

5th IWHA Conference. Tampere Finland 2007. Pasts and Futures of Water. University of Tampere 13-17 June 2007. / Hautamäki, I. (Editor); Juuti, P. (Editor); Katko, T. (Editor); Rajala, R. (Editor); Vinnari, E. (Editor).
Unknown Publisher, 2007.

Research output: Book/Report > Anthology > Scientific > peer-review

Accelerated deactivation studies of the natural-gas oxidation catalyst-Verifying the role of sulfur and elevated temperature in catalyst aging. / Honkanen, Mari; Kärkkäinen, Marja; Kolli, Tanja; Heikkinen, Olli; Viitanen, Ville; Zeng, Lunjie; Jiang, Hua; Kallinen, Kauko; Huuhtanen, Mika; Keiski, Riitta L.; Lahtinen, Jouko; Olsson, Eva; Vippola, Minnamari.
In: Applied Catalysis B-Environmental, 2016, p. 439-448.

Research output: Contribution to journal > Article > Scientific > peer-review

Acceptability of contaminated soils and waste materials in landfill structures. / Leppänen, Minna M.; Kuula, Pirjo .
2016. Paper presented at Nordrocs, .

Research output: Other conference contribution > Paper, poster or abstract > Professional

Access to Water? Dynamic Capacity Change for Sustainable Rural Water and Sanitation Services for All. / Rautanen, Sanna-Leena.

Tampere University of Technology, 2016. 112 p. (Tampere University of Technology. Publication; Vol. 1373).

Research output: Book/Report > Doctoral thesis > Collection of Articles

Accidents and close call situations connected to the use of mobile phones. / Korpinen, Leena; Pääkkönen, Rauno.
In: Accident Analysis and Prevention, Vol. 45, 2012, p. 75-82.

Research output: Contribution to journal > Article > Scientific > peer-review

Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures : Screening from Mesophilic Inocula. / Singh, Suniti; Rinta-Kanto, Johanna; Kettunen, Riitta; Lens, Piet; Collins, Gavin; Kokko, Marika; Rintala, Jukka.

In: ARCHAEA, Vol. 2019, 1751783, 2019.

Research output: Contribution to journal > Article > Scientific > peer-review

Acid Leaching of Cu and Zn from a Smelter Slag with a Bacterial Consortium. / Tuovinen, Olli H.; Särkijärvi, Silja; Peuraniemi, Esa; Junnikkala, Saku; Puhakka, Jaakko A.; Kaksonen, Anna H.

In: Advanced Materials Research, Vol. 1130, 2015, p. 660-663.

Research output: Contribution to journal > Article > Scientific > peer-review

A comparison of occupational electric field exposures during working tasks at 400 kV and 110 kV substations. / Korpinen, Leena; Kuisti, Harri; Pääkkönen, Rauno; Gobba, Fabriziomaria.

Proceedings - 7th International Workshop on Biological Effects of Electromagnetic Fields, 7th IWSBEEMF, 8 - 12 October 2012, Valletta, Malta. Electromagnetic Research Group - EMRG (Malta); Department of Physics, University of Malta, 2012. (International Workshop on Biological Effects of Electromagnetic Fields).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

A comparison of the usability of a laptop, communicator, and handheld computer. / Suomalainen, Piia; Korpinen, Leena; Pääkkönen, Rauno.

In: Journal of Usability Studies, Vol. 5, No. 3, 2010, p. 111-123.

Research output: Contribution to journal > Article > Scientific > peer-review

Adaptation of Black Carbon Footprint concept would accelerate mitigation of global warming. / Timonen, Hilikka; Karjalainen, Panu; Aalto, Pami; Saarikoski, Sanna; Mylläri, Fanni; Karvosenoja, Niko; Jalava, Pasi; Asmi, Eija; Aakko-Saksa, Päivi; Saukkonen, Natalia; Laine, Teemu; Saarnio, Karri; Niemelä, Niko; Enroth, Joonas; Väkevä, Minna; Oyola, Pedro; Pagels, Joakim; Ntzachristos, Leonidas; Cordero, Raul; Kuittinen, Niina; Niemi, Jarkko V.; Rönkkö, Topi.

In: Environmental Science and Technology, Vol. 53, No. 21, 2019, p. 12153-12155.

Research output: Contribution to journal > Article > Scientific > peer-review

A decade of Finnish engineering education for sustainable development. / Takala, Annina; Korhonen-Yrjänheikki, Kati.

In: INTERNATIONAL JOURNAL OF SUSTAINABILITY IN HIGHER EDUCATION, Vol. 20, No. 1, 2019, p. 170-186.

Research output: Contribution to journal > Article > Scientific > peer-review

Adjoint-based optimization in the development of low-emission industrial boilers. / Kanellis, Georgios; Oksanen, Antti; Kontinen, Jukka.

In: Engineering Optimization, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Adjustable hydrophilicity and hydrophobicity on paperboard by liquid flame spray process. / Stepien, M.; Saarinen, J. J.; Teisala, Hannu; Tuominen, Mikko; Aromaa, Mikko; Kuusipalo, Jurkka; Mäkelä, Jyrki; Toivakka, M.

2010 TAPPI Advanced Coating Fundamentals Symposium, October 11-13, 2010, Munich, Germany. 2010. p. 6 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Adjustable wettability of paperboard by liquid flame spray nanoparticle deposition. / Stepien, Milena; Saarinen, Jarkko J.; Teisala, Hannu; Tuominen, Mikko; Aromaa, Mikko; Kuusipalo, Jurkka; Mäkelä, Jyrki M.; Toivakka, Martti.

In: Applied Surface Science, Vol. 257, No. 6, 2011, p. 1911-1917.

Research output: Contribution to journal › Article › Scientific › peer-review

ADM1 Based Mathematical Models For Assessing The Effect Of Trace Elements Dynamics On Solid Waste Anaerobic Digestion. / Maharaj, Bikash.

Tampere University, 2019. 73 p.

Research output: Book/Report › Doctoral thesis › Collection of Articles

Airtightness of residential buildings in Finland. / Vinha, Juha; Manelius, Elina; Korpi, Minna; Salminen, Kati; Kurnitski, Jarek; Kiviste, Mihkel; Laukkarinen, Anssi.

In: Building and Environment, Vol. 93, No. P2, 01.11.2015, p. 128-140.

Research output: Contribution to journal › Article › Scientific › peer-review

A laboratory listening experiment on subjective and objective rating of impact sound insulation of concrete floors. /

Kylliäinen, Mikko ; Hongisto, Valtteri; Oliva, David; Rekola, Laura.

Proceedings of the INTER-NOISE 2016, 45th International Congress on Noise Control Engineering : Towards a Quieter Future, August 21-24, 2016, Hamburg, Germany. Hamburg : German Acoustical Society (DEGA), 2016. p. 894-902 193.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Älypölkky, radan monitorointi, kreosoottipölkyn korvaavat vaihtoehdot. / Luomala, Heikki .

2016, Esitelmä.

Research output: Other contribution › Scientific

A method for design of sound insulation of glazed balconies against traffic noise. / Kovalainen, Ville; Kylliäinen, Mikko; Huhtala, Timo.

Proceedings of the INTER-NOISE 2016, 45th International Congress and Exposition on Noise Control Engineering : Towards a Quieter Future, August 21-24, 2016, Hamburg, Germany. Hamburg : German Acoustical Society (DEGA), 2016. p. 3834-3841 503.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

A method for finding suitable particle sizes for thermal conversion processes by using a simulation tool focusing on wood particle heat transfer and chemical kinetics. / Kokko, Lauri.

Tampere : Tampere University of Technology, 2014. 124 p. (Tampere University of Technology. Publication; Vol. 1260).

Research output: Book/Report › Doctoral thesis › Monograph

Anaerobic digestion of autoclaved and untreated food waste. / Tampio, Elina; Ervasti, Satu; Paavola, Teija; Heaven, Sonia; Banks, Charles; Rintala, Jukka.

In: Waste Management, Vol. 34, No. 2, 2014, p. 370-377.

Research output: Contribution to journal › Article › Scientific › peer-review

A national collaboration process: Finnish engineering education for the benefit of people and environment. / Takala, Annina; Korhonen-Yrjänheikki, K.

In: Science and Engineering Ethics, Vol. 19, No. 4, 2013, p. 1557-1569.

Research output: Contribution to journal › Article › Scientific › peer-review

An example of exposure to magnetic fields in the home. / Österholm, Lari; Pääkkönen, Rauno; Lehtelä, Riitta; Holm, Anna; Korpinen, Leena.

Bioelectromagnetics Society 32nd Annual Meeting (BEMS), June 14-18, 2010, Seoul, Korea. 2010. p. 1-2.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

An experimental study and numerical modeling of combusting two coal chars in a drop-tube reactor: A comparison between N₂/O₂, CO₂/O₂, and N₂/CO₂/O₂ atmospheres. / Tolvanen, Henrik; Raiko, Risto.

In: Fuel, Vol. 124, 2014, p. 190-201.

Research output: Contribution to journal › Article › Scientific › peer-review

Anxiety vs reality – Sufficiency of battery electric vehicle range in Switzerland and Finland. / Melliger, Marc; van Vliet, Oscar P.R.; Liimatainen, Heikki.

In: TRANSPORTATION RESEARCH PART D: TRANSPORT AND ENVIRONMENT, Vol. 65, 23.08.2018, p. 101-115.

Research output: Contribution to journal › Article › Scientific › peer-review

Application oriented wear testing of wear resistant steels in mining industry. / Ojala, Niko.

2016. Paper presented at DIMECC 9th Annual Seminar, Helsinki, Finland.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Appropriate pricing policy needed worldwide for improving water services infrastructure. / Hukka, Jarmo J.; Katko, Tapio S.

In: Journal American Water Works Association, Vol. 107, No. 1, 01.01.2015, p. E37-E46.

Research output: Contribution to journal › Article › Scientific › peer-review

A recombinant Escherichia coli sensor strain for the detection of tetracyclines. / Korpela, Matti T.; Kurittu, Jussi S.; Karvinen, Jarkko T.; Karp, Matti T.

In: Analytical Chemistry, Vol. 70, No. 21, 01.11.1998, p. 4457-4462.

Research output: Contribution to journal › Article › Scientific › peer-review

Are Finns walking the talk? : Examining the national collaboration process on engineering education for sustainable development five years later. / Takala, Annina; Korhonen-Yrjänheikki, Kati.

Conference on Engineering Education for Sustainable Development (7th : 2015 : Vancouver, B.C.). 2015.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil? / Soinne, Helena; Keskinen, Riikka; Heikkinen, Jaakko; Hyväluoma, Jari; Uusitalo, Risto; Peltoniemi, Krista; Velmala, Sannakajsa; Pennanen, Taina; Fritze, Hannu; Kaseva, Janne; Hannula, Markus; Rasa, Kimmo.

In: Science of the Total Environment, Vol. 731, 138955, 20.08.2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Arsenic in bedrock, soil and groundwater - The first arsenic guidelines for aggregate production established in Finland. /

Parviainen, Annika; Loukola-Ruskeeniemi, Kirsti; Tarvainen, Timo; Hatakka, Tarja; Härmä, Paavo; Backman, Birgitta; Ketola, Terhi; Kuula, Pirjo; Lehtinen, Heli; Sorvari, Jaana; Pyy, Outi; Ruskeeniemi, Timo; Luoma, Samrit.

In: Earth-Science Reviews, Vol. 150, 01.11.2015, p. 709-723.

Research output: Contribution to journal › Article › Scientific › peer-review

Asiakkaat, verkostot ja henkilöstö. / Rajala, Riikka .

Näkymätönt Porrii: Porin Veden historia. ed. / Petri Juuti; Tapio Katko; Sami Louekari; Riikka Rajala. TamPub, 2010. p. 370-491.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

ASROCKS-Hankkeen heikkouuttomenetelmien vertailu. / Tarvainen, Timo; Hatakka, Tarja; Backman, Birgitta; Ketola, Terhi; Härmä, Paavo.

GEOLOGIAN TUTKIMUSKESKUS, 2014. 13 p.

Research output: Book/Report › Commissioned report › Professional

Assessment of metabolic flux distribution in the thermophilic hydrogen producer *Caloramator celer* as affected by external pH and hydrogen partial pressure. / Ciranna, Alessandro; Pawar, Sudhanshu S.; Santala, Ville; Karp, Matti; van Niel, Ed W J.

In: *Microbial Cell Factories*, Vol. 13, No. 1, 48, 28.03.2014.

Research output: Contribution to journal › Article › Scientific › peer-review

Assessment of the Analytical Potential of HPLC-SEC for the Characterization of DOM and Nutrients in Various Types of Water. / Szabó, Hilda Márta.

Tampere University, 2020. (Tampere University Dissertations; Vol. 224).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Asset Life Cycle Management in Finnish Water Utilities. / Rajala, Riikka; Hukka, Jarmo.

In: *JOURNAL OF WATER RESOURCE AND PROTECTION*, Vol. 10, No. 6, 2018, p. 587-595.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Asteittain kohti keskitettyä jätevedenpuhdistusta. / Katko, Tapio.

Näkymätönt Porrii. Porin Veden historia. ed. / Petri Juuti; Tapio Katko; Sami Louekari; Riikka Rajala. 2010. p. 312-369.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

A study of a condensing heat exchanger and electrostatic precipitator combination for small-scale wood combustion. /

Grigonyte, J.; Sippula, O.; Tissari, J.; Laitinen, Ari; Keskinen, Jorma; Kortelainen, M.; Lamberg, H.; Jokiniemi, J.

European Aerosol Conference 2015: EAC 2015, Milan, Italy. 2015. 2COA_P021.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

A study on raw, torrefied, and steam-exploded wood: Fine grinding, drop-tube reactor combustion tests in N₂/O₂ and CO₂/O₂ atmospheres, particle geometry analysis, and numerical kinetics modeling. / Tolvanen, Henrik; Keipi, Tiina; Raiko, Riisto.

In: *Fuel*, Vol. 176, 2016, p. 153-164.

Research output: Contribution to journal › Article › Scientific › peer-review

Atmospheric plasma enhanced hybrid barrier films through reel-to-reel process. / Nikkola, Juha; Mannila, Juha; Vartiainen, Jari; Tuominen, Mikko; Nättinen, Kalle.

ICNP-2010, Second International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Blends, IPNs and Gels Polyelectrolytes and Gels: Macro to Nano Scales, September 24-26, 2010, Espoo, Finland. 2010. p. 1-11.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Autolaskurin käyttöopas ja laskennan perusteet. / Seppälä, Jyri; Munther, Joonas; Viri, Riku; Liimatainen, Heikki; Weaver, Sally; Ollikainen, Markku.

2019 ed. Suomen ilmastopaneeli, 2019.

Research output: Book/Report › Commissioned report › Professional

Bacterial community transcription patterns during a marine phytoplankton bloom. / Rinta-Kanto, Johanna M.; Sun, Shulei; Sharma, Shalabh; Kiene, Ronald P.; Moran, Mary Ann.

In: *Environmental Microbiology*, Vol. 14, No. 1, 01.2012, p. 228-239.

Research output: Contribution to journal › Article › Scientific › peer-review

Bacterial diversity and active biomass in full-scale granular activated carbon filters operated at low water temperatures. /

Kaarela, Outi E.; Härkki, Heli A.; Palmroth, Marja R.T.; Tuhkanen, Tuula A.

In: *Environmental Technology*, 2014, p. 681-692.

Research output: Contribution to journal › Article › Scientific › peer-review

Ballast bed. / Luomala, Heikki .

2016, Speaker.

Research output: Other contribution › Scientific

Betonielementtien uudelleenkäyttömahdollisuudet. / Lahdensivu, Jukka; Huuhka, Satu; Annila, Petri; Pikkuvirta, Jussa; Köliö, Arto; Pakkala, Toni.

Tampere : Tampereen teknillinen yliopisto. Rakennustekniikan laitos, 2015. 78 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennetekniikka. Tutkimusraportti; Vol. 162).

Research output: Book/Report › Commissioned report › Professional

Betonirakenteiden korjausohjeet 2016, by 41. / Köliö, Arto ; Pakkala, Toni ; Lahdensivu, Jukka; Pentti, Matti .

Suomen Betoniyhdistys r.y., 2016. 115 p.

Research output: Book/Report › Book › Professional

Bilateral collaboration in municipal water and wastewater services in Finland. / Kurki, Vuokko O.; Katko, Tapio S.; Pietilä, Pekka E.

In: *Water*, Vol. 2, No. 4, 2010, p. 815-825.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Biochars from solid digestates as sorbing materials for metal(loid)s removal from water. / Wongrod, Suchanya.

Tampere University, 2019. 79 p. (Tampere University Dissertations).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Bioenergy consumption and biogas potential in Cambodian households. / Mustonen, Suvisanna; Raiko, Risto; Luukkanen, Jyrki.

In: *Sustainability*, Vol. 5, No. 5, 2013, p. 1875-1892.

Research output: Contribution to journal › Article › Scientific › peer-review

Biofiltration of odours in dry toilet air. / Palmroth, Marja R.T.; Kolha, Vesa; Ramos Garcia, Adela; Richter, Christian; Crosnier, Florie; Perrier, Loic; Tuhkanen, Tuula.

Biotechniques for air pollution control and bioenergy. ed. / Luc Malhautier. Paris : Presses des MINES, 2013. p. 291-297.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Biogenic hydrogen and methane production from *Chlorella vulgaris* and *Dunaliella tertiolecta* biomass. / Lakaniemi, Aino-Maija; Hulatt, Christopher J.; Thomas, David N.; Tuovinen, Olli H.; Puhakka, Jaakko A.

In: *Biotechnology for Biofuels*, Vol. 4, No. 1, 34, 2011, p. 1-12.

Research output: Contribution to journal › Article › Scientific › peer-review

Biogenic hydrogen and methane production from reed canary grass. / Lakaniemi, Aino-Maija; Koskinen, Perttu E.P.; Nevatalo, Laura M.; Kaksonen, Anna H.; Puhakka, Jaakko A.

In: *Biomass & Bioenergy*, Vol. 35, No. 2, 2011, p. 773-780.

Research output: Contribution to journal › Article › Scientific › peer-review

Biological methane oxidation in landfill cover soil - constrained by concurrent decomposition processes and sulphide oxidation? / Maanoja, Susanna; Palmroth, Marja; Rintala, Jukka.

Biotechniques for air pollution control and bioenergy. ed. / Malhautier Luc. Paris : Presses des MINES, 2013. p. 65-72.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Biological Nitrogen Removal from Acidic, Heavy-metal Containing Waters. / Zou, Gang.

Tampere : Tampere University of Technology, 2015. 92 p. (Tampere University of Technology. Publication; Vol. 1314).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose. / Raghuwanshi, Sanjeev; Deswal, Deepa; Karp, Matti; Kuhad, Ramesh Chander.

In: *Fuel*, Vol. 124, 15.05.2014, p. 183-189.

Research output: Contribution to journal › Article › Scientific › peer-review

Biovalorisation of liquid and gaseous effluents of oil refinery and petrochemical industry. / Chakraborty, Samayita.
Tampere University, 2019. 211 p. (Tampere University Dissertations).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Birth and expansion of public water supply and sanitation in Finland until World War II. / Juuti, P.S.; Katko, T.S.
Environmental History of Water - Global views on community water supply and sanitation. ed. / P.S. Juuti; T.S. Katko;
H.S. Vuorinen. 2007. p. 117-130.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Book Review: Graham, S. (Ed.), Disrupted Cities: When Infrastructure Fails. / Katko, T. (Reviewer).
In: Public Works Management & Policy, Vol. 14, Nr 4, April 2010, 2010.
Research output: Contribution to journal › Article › Scientific

Book review : Oestigaard, T. 2013. Water, Christianity and the rise of capitalism. London, New York: I.B. Tauris. ISBN
978-1-78076-066-7, 209 pages. / Katko, Tapio S. (Reviewer).
In: Water Alternatives, Vol. 7, No. 1, 2014, p. 273-274.
Research output: Contribution to journal › Article › Scientific

**Book Review: Time for Customer Orientation in Water Utilities Customer experience management for water utilities.
Marketing urban water supply.** / Katko, Tapio S.; Rajala, Riikka P.
In: Public Works Management & Policy, Vol. 24, No. 2, 2019, p. 228-230.
Research output: Contribution to journal › Literature review › Scientific

Calculation of Induced Electric Fields in Human Models Exposed to ELF Magnetic and Electric Fields. / Tarao, H.;
Hayashi, N.; Korpinen, Leena; Matsumoto, T.; Isaka, K.
ISH 2011, 17th International Symposium on High Voltage Engineering, August 22-26, 2011, Hannover, Germany. ed. /
Ernst Gockenbach; Christian Eichler; Farahani Mohsen; Markus Fischer; Olaf Gratz; Khoi Pham; Xiang Zhang. Hannover :
Leibnitz Universität Hannover, 2011. p. 44-44 (International Symposium on High Voltage Engineering ISH).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Carbazole-based small molecule electron donors : Syntheses, characterization, and material properties. / Sippola, Roosa
J.; Hadipour, Afshin; Kastinen, Tuuva; Vivo, Paola; Hukka, Terttu I.; Aernouts, Tom; Heiskanen, Juha P.
In: Dyes and Pigments, Vol. 150, j.dyepig.2017.11.014, 08.11.2017, p. 79-88.
Research output: Contribution to journal › Article › Scientific › peer-review

Cardiac Pacemakers in Electric and Magnetic Fields of 400-kV Power Lines. / Korpinen, Leena; Kuisti, Harri; Elovaara,
Jarmo; Virtanen, Vesa.
In: PACE: Pacing and Clinical Electrophysiology, Vol. 35, No. 4, 2012, p. 422-430.
Research output: Contribution to journal › Article › Scientific › peer-review

Career paths of experts on water supply and sanitation services. / Takala, Annina J.
YWPC2012, 6th IWA International Conference for Young Water Professionals, (IWA YWPC 2012), 10-13 July 2012,
Budapest, Hungary. Conference Proceedings. IWA, International Water Association; Hungarian Water Utility Association,
2012. p. 1-6 IWA-9929 (International YWP Conference).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Catalytic effect of Ca and K on CO₂ gasification of spruce wood char. / Perander, M.; DeMartini, N.; Brink, A.; Kramb, J.;
Karlström, O.; Hemming, J.; Moilanen, A.; Konttinen, J.; Hupa, M.
In: Fuel, Vol. 150, 15.06.2015, p. 464-472.
Research output: Contribution to journal › Article › Scientific › peer-review

CFD Based Modelling for Predicting Fouling and Corrosion in Kraft Recovery Boilers. / Leppänen, Aino; Välimäki, Erkki;
Oksanen, Antti.
19th European Biomass Conference and Exhibition, 6-10 June 2011, Berlin Germany. Berlin : European Biomass
Conference and Exhibition, 2011. p. 1033-1040 (European Biomass Conference and Exhibition).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

CFD-modeling of fume formation in kraft recovery boilers. / Leppänen, Aino; Välimäki, Erkki; Oksanen, Antti; Tran, Honghi.
In: TAPPI Journal, Vol. 12, No. 3, 2013, p. 25-32.

Research output: Contribution to journal > Article > Scientific > peer-review

CFD-Modeling of Fume Formation in Kraft Recovery Boilers. / Leppänen, Aino; Välimäki, Erkki; Oksanen, Antti; Tran, Honghi.

TAPPI PEERS Conference Proceedings 14.-18.10.2012, Savannah, USA. TAPPI, 2012. (TAPPI PEERS Conference).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Challenges to Finnish water and wastewater services in the next 20-30 years. / Heino, Ossi A.; Takala, Annina J.; Katko, Tapio S.

In: E-Water, 2011, p. 1-20.

Research output: Contribution to journal > Article > Scientific > peer-review

Changing energy production structures and CO2 emissions in the ASEAN countries: Decomposition analysis of drivers behind the changes. / Vehmas, J.; Luukkanen, J.; Mustonen, S.; Kaivo-oja, J.; Snäkin, J-P.; Jusi, S.

International Conference on Energy Security and Climate Change: Issues, Strategies, and Options (ESCC 2008). 6-8 August 2008, Bangkok, Thailand. 2008. p. 5 p.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Characteristics and agronomic usability of digestates from laboratory digesters treating food waste and autoclaved food waste. / Tampio, Elina; Ervasti, Satu; Rintala, Jukka.

In: Journal of Cleaner Production, Vol. 94, 01.05.2015, p. 86-92.

Research output: Contribution to journal > Article > Scientific > peer-review

Characterization and biological stabilization of fine fraction from landfill mining. / Mönkäre, Tiina.

Tampere University of Technology, 2018. 68 p. (Tampere University of Technology. Publication; Vol. 1522).

Research output: Book/Report > Doctoral thesis > Collection of Articles

Characterization of fine fraction from landfill mining for evaluating methane potential. / Mönkäre, T.; Palmroth, M.; Rintala, J.

Fifth International Symposium on Energy from Biomass and Waste, Venice 2014 Proceedings, Island of San Servolo, Venice, Italy, 17-20 November 2014. Italy : CISA Publisher, 2014.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Characterization of fine fraction mined from two Finnish landfills. / Mönkäre, Tiina J.; Palmroth, Marja R. T.; Rintala, Jukka A.

In: Waste Management, Vol. 47A, 2016, p. 34-39.

Research output: Contribution to journal > Article > Scientific > peer-review

Chasing measurements for real-world emissions of city buses. / Järvinen, Anssi; Karjalainen, Panu; Bloss, Matthew; Potila, Outi; Simonen, Pauli; Kuuluvainen, Heino; Timonen, Hilikka; Saarikoski, Sanna; Niemi, Jarkko V.; Keskinen, Jorma; Rönkkö, Topi.

2017. Paper presented at European Aerosol Conference 2017, Zürich, Switzerland.

Research output: Other conference contribution > Paper, poster or abstract > Scientific

CO2 reduction costs and benefits in transport: socio-technical scenarios. / Liimatainen, Heikki; Pöllänen, Markus; Viri, Riku

In: European Journal of Futures Research, Vol. 2018, No. 6:22, 21.12.2018.

Research output: Contribution to journal > Article > Scientific > peer-review

Coal char combustion in O2/N2 and O2/CO2 conditions in a drop tube reactor: an optical study. / Rodriguez Avila, Milena; Honkanen, Markus; Raiko, Risto; Oksanen, Antti.

In: Industrial Combustion, 2012, p. 1-22.

Research output: Contribution to journal > Article > Scientific > peer-review

Combining mineral fractions of recovered MSWI bottom ash: improvement for utilization in civil engineering structures. / Sormunen, Laura Annika; Kalliainen, Antti ; Kolisoja, Pauli ; Rantsi, Riina.

In: Waste and Biomass Valorization, 22.08.2016.

Research output: Contribution to journal › Article › Scientific › peer-review

Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice. / Koivisto, K.; Forsman, J.; Ronkainen, M.; Lahtinen, P.; Kolisoja, P.; Kuula, P.

Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May. Reykjavik : Icelandic Geotechnical Society, 2016.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Comparative analysis and discussion. / Juuti, Petri S.; Katko, Tapio S.

Water, Time and European Cities. History matters for the Futures. ed. / Petri S. Juuti; Tapio S. Katko. Tampere : Tampere University Press, 2005. p. 219-240.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Comparing the energy required for fine grinding torrefied and fast heat treated pine. / Kokko, Lauri; Tolvanen, Henrik; Hämäläinen, Kai; Raiko, Risto.

In: Biomass & Bioenergy, Vol. 42, No. Jul, 2012, p. 219-223.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison between the Occupational ELF magnetic field exposure in Finland and in Italy. / Korpinen, Leena; Lahtinen, Sirke; Gobba, Fabriziomaria.

10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy. Rome : European Bioelectromagnetics Association, 2011. p. 2 p (International Conference European Bioelectromagnetics Association).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Comparison of air pressure difference, air change rates, and CO2 concentrations in apartment buildings before and after energy retrofits. / Leivo, Virpi; Prasauskas, Tadas; Turunen, Mari; Kiviste, Mihkel; Aaltonen, Anu; Martuzevicius, Dainius; Haverinen-Shaughnessy, Ulla.

In: Building and Environment, Vol. 120, 2017, p. 85-92.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of community managed projects and conventional approaches in rural water supply of Ethiopia. / Behailu, Beshah M.; Suominen, Arto; Katko, Tapio S.; Mattila, Harri; Yayehiyad, Gashaw .

In: African Journal of Environmental Science and Technology, Vol. 10, No. 9, 04AF23059936, 30.09.2016, p. 292-306.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison of the total mercury content in sediment samples with a mercury sensor bacteria test and Vibrio fischeri toxicity test. / Lappalainen, Juha O.; Karp, Matti T.; Juvonen, Risto; Virta, Marko P. J.; Nurmi, Johanna.

In: Environmental Toxicology, Vol. 15, No. 5, 12.2000, p. 443-448.

Research output: Contribution to journal › Article › Scientific › peer-review

Comparison the portable service platforms influence to electric field exposure at 110 kV substations. / Pääkkönen, Rauno; Kuisti, Harri; Gonzalez, Jarold A.; Tarao, Hiroo; Gobba, Fabriziomaria; Korpinen, Leena.

The Bioelectromagnetics Society 34th Annual Meeting, June 17, 2012 - June 22, 2012, Brisbane, Australia. The Bioelectromagnetics Society, 2012. p. 215-217 (The Bioelectromagnetics Society Annual Meeting).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Conclusions. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.

2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. / Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 259-262.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Conclusions. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 501-506.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Conclusions. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 93-96.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Conclusions: Does History Matter? Present Water Governance Challenges and Future Implications. / Juuti, Petri S.;
Katko, Tapio S.; Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 589-592.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor. / Mal, Joyabrata;
Nancharaiyah, Yarlagadda V.; Maheshwari, Neeraj; van Hullebusch, Eric D.; Lens, Piet N.L.
In: Journal of Hazardous Materials, Vol. 327, 04.2017, p. 79-88.
Research output: Contribution to journal > Article > Scientific > peer-review

Conversion of Solid Waste into Functional Carbon Materials: A Review. / Gogoi, Manashjit; Layek, Rama; Vuorinen, Jyrki;
Mahato, Mrityunjoy.
In: Energy and Environment Focus, Vol. 6, No. 1, 01.03.2017, p. 52-68.
Research output: Contribution to journal > Review Article > Scientific > peer-review

Co-operation between technical education of university and electro-technical standardization association. / Hieta-Wilkman,
S.; Vesa, J.; Korpinen, Leena.
In: Elektronika ir Elektrotechnika, Vol. 10, No. 106, 2010, p. 165-168.
Research output: Contribution to journal > Article > Scientific > peer-review

Co-production of 1,3 propanediol and long-chain alkyl esters from crude glycerol. / Mangayil, Rahul; Efimova, Elena;
Konttinen, Jukka; Santala, Ville.
In: New Biotechnology, Vol. 53, 11.07.2019, p. 81-89.
Research output: Contribution to journal > Article > Scientific > peer-review

Cracking of the End Diaphragm of a Post-tensioned Beam Bridge. / Kuusela, Mikko; Asp, Olli; Laaksonen, Anssi.
In: Nordic Concrete Research, Vol. 60, No. 1, 6, 28.08.2019, p. 89-104.
Research output: Contribution to journal > Article > Scientific > peer-review

Dags att syna utmaningarna inom vattenförsörjningen. / Katko, T. S.
In: Finlands Kommuntidning, Vol. 19, No. 8, 2013, p. 30-31.
Research output: Contribution to journal > Article > Professional

Denitrifying microbial communities along a boreal stream with varying land-use. / Aalto, Sanni L.; Saarenheimo, Jatta;
Arvola, Lauri; Tirola, Marja; Huotari, Jussi; Rissanen, Antti J.
In: Aquatic Sciences, Vol. 81, No. 59, 24.07.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Design aspects of all atomic layer deposited TiO₂-Fe₂O₃ scaffold-absorber photoanodes for water splitting. / Hiltunen,
Arto; Ruoko, Tero-Petri; Iivonen, Tomi; Lahtonen, Kimmo; Ali-Löytty, Harri; Sarlin, Essi; Valden, Mika; Leskelä, Markku;
Tkachenko, Nikolai.
In: Sustainable Energy & Fuels, Vol. 2, No. 9, 31.07.2018, p. 2124-2130.
Research output: Contribution to journal > Article > Scientific > peer-review

Detecting bioavailable toxic metals and metalloids from natural water samples using luminescent sensor bacteria. /

Tauriainen, S. M.; Virta, M. P. J.; Karp, M. T.

In: *Water Research*, Vol. 34, No. 10, 07.2000, p. 2661-2666.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Deterioration mechanisms and life cycle of concrete monoblock railway sleepers in Finnish conditions. / Kerokoski, Olli ; Rantala, Tommi ; Nurmikolu, Antti .

WCRR 2016 Proceedings: 11th World congress on railway research, 29.5-2.6.2016, Milano. 2016.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Professional](#)

Developing and testing characterization methods for droplet combustion - Part I. / Pääkkönen, Anna; Peltola, Arto; Pitkänen, Anna; Mäkiranta, Reima; Saario, Ari; Oksanen, Antti.

In: *Archivum Combustionis*, Vol. 30, No. 4, 2010, p. 1-6.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Developing and testing characterization methods for droplet combustion - part II. / Pääkkönen, Anna; Pitkänen, Anna; Mäkiranta, Reima; Saario, Ari; Oksanen, Antti.

9th European Conference on Industrial Furnaces and Boilers, Estoril, Portugal, 26-29 April, 2011. Estoril : INFUB, 2011. p. 1-10 (European Conference on Industrial Furnaces and Boilers).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Developing community water services and cooperation in Finland and the South. / Katko, Tapio S.; Rautavaara, Antti.

Free Flow - Researching Water Security Through Cooperation. ed. / Jacqui Griffiths; Rebecca Lambert. United Nations Educational, Scientific and Cultural Organization; Unesco Publishing; Tudor Rose, 2013. p. 240-244.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Chapter](#) › [Scientific](#) › [peer-review](#)

Development of an assessment protocol: the impact of energy retrofits on indoor environmental quality and public health in the existing building stock. / Du, Liuliu; Leivo, Virpi ; Kiviste, Mihkel; Martuzevicius, Dainius; Turunen, Mari; Prasauskas, Tadas; Haverinen-Shaughnessy, Ulla.

Healthy Buildings 2015 Europe (HB 2015) . International Society for Indoor Air Quality and Climate , 2015.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Development of superhydrophobic coating on paperboard surface using the Liquid Flame Spray. / Teisala, Hannu; Tuominen, Mikko; Aromaa, Mikko; Mäkelä, Jyrki Mikael; Stepien, M.; Saarinen, J.J.; Toivakka, M.; Kuusipalo, Jurkka.

In: *Surface and Coatings Technology*, Vol. 205, No. 2, 2010, p. 436-445.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Digestate valorization for bioremediation of petroleum hydrocarbons contaminated soils. / Gielnik, Anna.

Tampere University, 2019. 95 p. (Tampere University Dissertations).

Research output: [Book/Report](#) › [Doctoral thesis](#) › [Collection of Articles](#)

Diversity of microcystin-producing cyanobacteria in spatially isolated regions of Lake Erie. / Rinta-Kanto, Johanna M.; Wilhelm, Steven W.

In: *Applied and Environmental Microbiology*, Vol. 72, No. 7, 07.2006, p. 5083-5085.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Diversity of the water supply and sanitation sector: roles of municipalities in Europe. / Pietilä, Pekka.

Water Services Management and Governance : Lessons for a Sustainable Future. ed. / Tapio S. Katko; Petri S. Juuti; Klaas Schwartz; Riikka P. Rajala. IWA Publishing, 2013. p. 99-111.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Chapter](#) › [Scientific](#) › [peer-review](#)

Dry Toilet Sanitation as an Alternative Solution to the Rural Ethiopia. / Behailu, Beshah M.

Dry Toilet 2015: 5th International Dry Toilet Conference. 2015.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Professional](#)

Dynamics of microbial communities in untreated and autoclaved food waste anaerobic digesters. / Blasco, Lucia; Kahala, Minna; Tampio, Elina; Ervasti, Satu; Paavola, Teija; Rintala, Jukka; Joutsjoki, Vesa.
In: *Anaerobe*, Vol. 29, 2014, p. 3-9.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Ecological Sanitation - A Logical Choice? The Development of the Sanitation Institution in a World Society. / O'Neill, Mia.
Tampere University of Technology, 2015. 236 p. (Tampere University of Technology. Publication; Vol. 1284).

Research output: [Book/Report](#) › [Doctoral thesis](#) › [Monograph](#)

Economic analysis of hydrogen production by methane thermal decomposition : Comparison to competing technologies. / Keipi, Tiina; Tolvanen, Henrik; Kontinen, Jukka.

In: *Energy Conversion and Management*, Vol. 159, 01.03.2018, p. 264-273.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Editorial. / Lämsivaara, Tim.

In: *Environmental Geotechnics*, Vol. 5, No. 6, 17.12.2018.

Research output: [Contribution to journal](#) › [Editorial](#) › [Scientific](#)

Editorial. Central role of water in society and community. / Katko, Tapio.

In: *Ympäristöhistoria: Finnish Journal of Environmental History*, Vol. 1, No. 2, 2011, p. 8-11.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#)

Editorial Note: "Pasts and Futures of Water". / Juuti, Petri S.; Katko, Tapio S.; Vinnari, Eija M.

In: *Environment and History*, Vol. 16, No. a, 2010, p. 167-171.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#)

Editorial to "The best papers from the 32nd International Symposium on Automation and Robotics in Construction and Mining (ISARC 2015)". / Malaska, Mikko; Heikkilä, Rauno.

In: *Automation in Construction*, Vol. 71, 01.11.2016, p. 1.

Research output: [Contribution to journal](#) › [Editorial](#) › [Scientific](#)

Education, Research and Capacity Building for Water Services. / Katko, Tapio.

2012. Paper presented at UNESCO Chair in Sustainable Water Services (UNECWAS) seminar 2012, 20.9.2012, Tampere, Finland, .

Research output: [Other conference contribution](#) › [Paper, poster or abstract](#) › [Scientific](#)

Effect of geometrical parameters on vortex-induced vibration of a splitter plate. / Pärssinen, T.; Eloranta, Hannu; Saarenrinne, Pentti.

In: *Journal of Fluids Engineering: Transactions of the ASME*, Vol. 131, No. 3, 031203, 2009, p. 1-9.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge. / Mal, J.; Nancharaiah, Y. V.; van Hullebusch, E. D.; Lens, P. N L.

In: *Bioresource Technology*, Vol. 206, 01.04.2016, p. 1-8.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Effect of HRT on nitrogen recovery from real reject water in a 3-chamber bioelectroconcentration cell. / Koskue, Veera; Rinta-Kanto, Johanna; Ledezma, Pablo; Freguia, Stefano; Kokko, Marika.

2019. Paper presented at ISMET 7, Okinawa, Japan.

Research output: [Other conference contribution](#) › [Paper, poster or abstract](#) › [Scientific](#)

Effect of N/S ratio on anoxic sulfide oxidizing bioreactors. / Khanongnuch, Ramita; Di Capua, Francesco; Lakaniemi, Aino-Maija; R. Rene, Eldon; Lens, Piet N. L.

2017. Paper presented at Biotechniques 2017, La Coruña, Spain.

Research output: [Other conference contribution](#) › [Paper, poster or abstract](#) › [Scientific](#)

Effect of particle size and dispersion status on cytotoxicity and genotoxicity of zinc oxide in human bronchial epithelial cells. / Roszak, Joanna; Catalán, Julia; Järventausta, Hilkkä; Lindberg, Hanna K.; Suhonen, Satu; Vippola, Minnamari; Stepnik, Maciej; Norppa, Hannu.

In: Mutation Research: Genetic Toxicology and Environmental Mutagenesis, Vol. 805, 01.07.2016, p. 7-18.

Research output: Contribution to journal › Article › Scientific › peer-review

Effect of Temperature on Fume Formation and Deposition in Kraft Recovery Boilers - a Modeling Approach. / Leppänen, Aino; Tran, Honghi; Välimäki, Erkki; Oksanen, Antti.

2014 International Chemical Recovery Conference, Proceedings - Volume 2. ed. / Markus Nieminen; Päivi Lampinen. Suomen Soodakattilayhdistys, The Finnish Recovery Boiler Committee; TAPPI, 2014. p. 38-47.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Effect of Tissue Conductivity on Internal Body Resistances of Numerical Human Model at Power Frequency. / Tarao, Hiroo; Hayashi, Noriyuki; Korpinen, Leena; Gonzalez, Jarold A.; Matsumoto, Takashi; Isaka, Katsuo.

The Bioelectromagnetics Society 34th Annual Meeting, June 17, 2012 - June 22, 2012, Brisbane, Australia. The Bioelectromagnetics Society, 2012. p. 197-199 (The Bioelectromagnetics Society Annual Meeting).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Effects of tissue conductivity and electrode area on internal electric fields in a numerical human model for ELF contact current exposures. / Tarao, Hiroo; Kuisti, Harri; Korpinen, Leena; Hayashi, Noriyuki; Isaka, Katsuo.

In: Physics in Medicine and Biology, Vol. 57, No. 10, 2012.

Research output: Contribution to journal › Article › Scientific › peer-review

Electricity generation from tetrathionate in microbial fuel cells by acidophiles. / Sulonen, Mira L.K.; Kokko, Marika E.; Lakaniemi, Aino-Maija; Puhakka, Jaakko A.

In: Journal of Hazardous Materials, Vol. 284, 2015, p. 182-189.

Research output: Contribution to journal › Article › Scientific › peer-review

Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration. / Çetinkaya, Afşin Y.; Köroğlu, Emre Oğuz; Demir, Neslihan Manav; Baysoy, Derya Yılmaz; Özkaya, Bestamin; Çakmakçı, Mehmet.

In: Chinese Journal of Catalysis, Vol. 36, No. 7, 20.07.2015, p. 1068-1076.

Research output: Contribution to journal › Article › Scientific › peer-review

Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood. / Kramb, Jason; Kontinen, Jukka; Backman, Rainer; Salo, Kari; Roberts, Michael.

In: Fuel, Vol. 181, 01.10.2016, p. 319-324.

Research output: Contribution to journal › Article › Scientific › peer-review

Enabling and Integrative Infrastructure Policy: The Role of Inverse Infrastructures in Local Infrastructure Provision with Special Reference to Finnish Water Cooperatives. / Heino, Ossi; Anttiroiko, Ari-Veikko.

MPRA, 2014. (MPRA Paper; No. 60276).

Research output: Book/Report › Commissioned report › Professional

Energistä utopiaa? / Sorri, Jaakko.

In: Futura, Vol. 36, No. 1, 2017, p. 38-39.

Research output: Contribution to journal › Book/Film/Article review › Scientific

Engineering and kinetic aspects of bacterial uranium reduction for the remediation of uranium contaminated environments. / Lakaniemi, Aino-Maija; Douglas, Grant B.; Kaksonen, Anna H.

In: Journal of Hazardous Materials, Vol. 371, 05.06.2019, p. 198 - 212.

Research output: Contribution to journal › Article › Scientific › peer-review

Enhancement in Lifespan of Halide Perovskite Solar Cells. / Wang, Qiong; Phung, Nga; Di Girolamo, Diego; Vivo, Paola; Abate, Antonio.

In: Energy & Environmental Science, Vol. 12, No. 3, 03.2019, p. 865-886.
Research output: Contribution to journal > Review Article > Scientific > peer-review

Ensimmäiset fuusiosuunnitelmat. / Juuti, Petri ; Rajala, Riikka .

Vesihuoltoyhteistyötä yli rajojen: PK-seudun yhteistyöhankkeet ja yhdistämissuunnitelmat ennen ja nyt Espoon näkökulmasta. ed. / Petri Juuti; Riikka Rajala. University of Tampere, 2009. p. 39-76.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Environmental history of water: Global view of community water supply and sanitation. / Juuti, P.S.; Katko, T.S.; Vuorinen, H.S.

Symposium Preprint Book: 1st IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations, Iraklio, Greece, 27.10.2006. 2006. p. 631-636.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Environmental history of water : global views on community water supply and sanitation. / Juuti, Petri S. (Editor); Katko, Tapio S. (Editor); Vuorinen, Heikki S. (Editor).

London : IWA Publishing, 2007.

Research output: Book/Report > Anthology > Scientific > peer-review

Environmental impact of micropollutants present in urine. / Pynnönen, Sanna; Tuhkanen, Tuula.

Dry Toilet Conference 2012, 4th International Dry Toilet Conference, Full Papers, 22-24 August 2012, Tampere, Finland. Helsinki : Global Dry Toilet Association of Finland, 2012. p. 1-8 (International Dry Toilet Conference).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Epilogue. / Juuti, Petri S. (Editor); Katko, Tapio S. (Editor); Schwartz, Klaas (Editor).

IWA Publishing, 2013. 5 p.

Research output: Book/Report > Anthology > Scientific > peer-review

Epilogue: Local Solutions Based on Local Conditions. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.

2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. / Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 593-598.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Erosion testing of filled and/or reinforced vinyl ester composites in water medium at elevated temperature. / Siljander, Sanna; Kiviniemi, Meri; Sarlin, Essi; Lindgren, Mari; Suihkonen, Reija; Vuorinen, Jyrki.

Proceedings of the 20th International Conference on Composite Materials. 2015.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

E-sail test payload of the ESTCube-1 nanosatellite. / Envall, Jouni; Janhunen, Pekka; Toivanen, Petri; Pajusalu, Mihkel; Ilbis, Erik; Kalde, Jaanus; Averin, Matis; Kuuste, Henri; Laizans, Kaspars; Allik, Viljo; Rauhala, Timo; Seppänen, Henri; Kiprich, Sergiy; Ukkonen, Jukka; Haeggström, Edward; Kalvas, Tanel; Tarvainen, Olli; Kauppinen, Janne; Nuottajärvi, Antti; Koivisto, Hannu.

In: Proceedings of the Estonian Academy of Sciences, Vol. 63, No. 2S, 2014, p. 210-221.

Research output: Contribution to journal > Article > Scientific > peer-review

Espoo päättää siirtyä kärkipaikalle. / Juuti, Petri ; Rajala, Riikka .

Ei jätevedenpuhdistamo minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa. ed. / Petri Juuti; Riikka Rajala. TamPub, 2008. p. 73-76.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Evaluation of methods for enhancing methane oxidation via increased soil air capacity and nutrient content in simulated landfill soil cover. / Maanoja, Susanna; Rintala, Jukka.

In: Waste Management, Vol. 82, 2018, p. 82-92.

Research output: Contribution to journal > Article > Scientific > peer-review

Evolution of Community-Managed Water Supply Projects From 1994 to the 2010s in Ethiopia. / Behailu, Beshah M.; Suominen, Arto; Katko, Tapio S.

In: Public Works Management and Policy, Vol. 20, No. 4, 22.10.2015, p. 379-400.

Research output: Contribution to journal › Article › Scientific › peer-review

Examples of occupational ELF electric and magnetic field exposure in Finland. / Alanko, Tommi; Pääkkönen, Rauno; Lahtinen, Sirke; Korpinen, Leena.

10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy. Rome : European Bioelectromagnetics Association, 2011. p. 1-2 (International Conference European Bioelectromagnetics Association).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Examples of using the moodle virtual learning environment for teaching technical university students. / Korpinen, Leena; Gonzalez-Sosa, Jarold; Tepsa, Kirsi.

EDULEARN12 Proceedings, 4th International Conference on Education and New Learning Technologies, 2-4 July, 2012, Barcelona, Spain. ed. / L. Gomez Chova; I. Candel Torres; A. Lopez Martinez. Barcelona : International Association of Technology, Education and Development IATED, 2012. p. 981-990 (International Conference on Education and New Learning Technologies).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Examples to Reduce the EMF Generated by HV Power Transmission Lines of Different Design. / Okun, Alexandr; Korpinen, Leena.

Proceedings - 7th International Workshop on Biological Effects of Electromagnetic Fields, 7th IWSBEEMF, 8 - 12 October 2012, Valletta, Malta. Electromagnetic Research Group - EMRG (Malta); Department of Physics, University of Malta, 2012. (International Workshop on Biological Effects of Electromagnetic Fields).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Expanding rural water supplies in historical perspective: Six cases from Finland and South Africa. / Juuti, P.S.; Katko, T.S.; Mäki, H.R.; Toivio, H.K.

Environmental History of Water - Global views on community water supply and sanitation. ed. / P.S. Juuti; T.S. Katko; H.S. Vuorinen. 2007. p. 355-380.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Experiences of integrating MSc student research projects in the "electromagnetic fields and health" area. / Korpinen, Leena; Pääkkönen, Rauno; Gonzalez-Sosa, Jarold; Gobba, Fabrizio.

EDULEARN12 Proceedings, 4th International Conference on Education and New Learning Technologies, 2-4 July, 2012, Barcelona, Spain. ed. / L. Gomez Chova; I. Candel Torres; A. Lopez Martinez. Barcelona : International Association of Technology, Education and Development IATED, 2012. p. 1007-1010 (International Conference on Education and New Learning Technologies).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Experimental study of oxy-fuel combustion in a drop tube reactor. / Rodriguez, Avila Milena; Raiko, Risto.

AFRC 2010 Pacific Rim Combustion Symposium, September 26-29, 2010 Sheraton Maui, Hawaii. 2010. p. 1-11.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Exposure to electric and magnetic fields at 110 kV substation while performing the task 'Changing a bulb from a man hoist' in the Tampere region. / Pääkkönen, Rauno; Holm, Anna; Korpinen, Leena.

Bioelectromagnetics Society 32nd Annual Meeting (BEMS), June 14-18, 2010, Seoul, Korea. 2010. p. 1-2.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Exposure to Extremely Low Frequency Magnetic Fields: a Personal Monitoring Study in a Large Group of Workers. / Gobba, Fabriziomaria; Rossi, Paolo; Contessa, Gian Marco; Korpinen, Leena.

II National Conference ICeMB 27.-29.6.2012, Bologna, Italy. Genova : The Inter-university research Centre into Interactions between Electromagnetic fields and Biosystems ICeMB, 2012. p. 63-64 (National Conference ICeMB).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Exposure to indoor air pollution across socio-economic groups in high-income countries: A scoping review of the literature and a modelling methodology. / Ferguson, Lauren; Taylor, Jonathon; Davies, Mike; Shrubsole, Clive; Symonds, Phil; Dimitroulopoulou, Chrysanthi.

In: Environment International, Vol. 143, 105748, 10.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Factors affecting the elimination capacity of a passive methane biofilter. / Maanoja, Susanna; Rintala, Jukka.
BioTechniques Ghent 2015 The 6th international conference on biotechniques for air pollution control: Conference Proceedings. 2015. p. 83-88.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Fast pyrolysis of coal, peat, and torrefied wood: Mass loss study with a drop-tube reactor, particle geometry analysis, and kinetics modeling. / Tolvanen, Henrik; Kokko, Lauri; Raiko, Risto.
In: Fuel, Vol. 111, No. September, 2013, p. 148-156.
Research output: Contribution to journal › Article › Scientific › peer-review

Fate of dissolved organic matter in softwood element-chlorine-free bleached kraft mill fiberline. / Luonsi, Antero.
Tampere : Tampere University of Technology, 2010. (Tampereen teknillinen yliopisto. Julkaisu; Vol. 878).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Fate of trace elements during and after anaerobic digestion: a sequential extraction method and DGT technique to assess bio-accessible trace elements in digestate. / Laera, Andreina.
Tampere University, 2019. (Tampere University Dissertations).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Feasibility of Flexible Biomass Utilization in Energy Systems. / Pääkkönen, Anna.
Tampere University, 2019. 80 p. (Tampere University Dissertations; Vol. 166).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples. / Carver, Sarah M.; Nelson, Michael C.; Yu, Zhongtang; Tuovinen, Olli H.
In: Biomass & Bioenergy, Vol. 75, 01.04.2015, p. 11-22.
Research output: Contribution to journal › Article › Scientific › peer-review

Fe₂O₃-TiO₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. / Barreca, Davide; Carraro, Giorgio; Gasparotto, Alberto; Maccato, Chiara; Warwick, Michael E A; Kaunisto, Kimmo; Sada, Cinzia; Turner, Stuart; Gönüllü, Yakup; Ruoko, Tero-Petri; Borgese, Laura; Bontempi, Elza; Van Tendeloo, Gustaaf; Lemmetyinen, Helge; Mathur, Sanjay.
In: Advanced Materials Interfaces, Vol. 2, No. 17, 2015.
Research output: Contribution to journal › Article › Scientific › peer-review

Finland's Water Services: Looking to its Past to Figure Out its Future. / Katko, Tapio S.
In: Water and Wastewater International, 03.2018.
Research output: Contribution to journal › Article › Scientific

Finnish engineering education for the benefit of people and environment. / Takala, Annina; Korhonen-Yrjänheikki, Kati.
International Conference Engineering Education in Sustainable Development, EESD'10, 19-22 September 2010, Gothenburg, Sweden. 2010. p. 1-10.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Finnish water services : Experiences in global perspective. / Katko, Tapio S.
Helsinki : Finnish Water Utilities Association, 2016. 288 p.
Research output: Book/Report › Book › Scientific › peer-review

Finnish water services : Experiences in global perspective . / Katko, Tapio S.
London : IWA Publishing, 2017. 288 p.
Research output: Book/Report › Book › Scientific › peer-review

Fire, Thirst, Health and Hygiene : Root Causes for the Introduction of Water Supply and Sanitation in Kajaani. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.
Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 275-286.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Flotaatiokennon injektorin diffusori. / Nieminen, E. (Inventor); Virtanen, J. (Inventor).
Patent No.: WO 2007/042619 A1.
Research output: Patent > Scientific

Fluidized bed bioreactor for multiple environmental engineering solutions. / Özkaya, Bestami; Kaksonen, Anna H.; Sahinkaya, Erkan; Puhakka, Jaakko A.
In: Water Research, Vol. 150, 01.03.2019, p. 452 - 465.
Research output: Contribution to journal > Article > Scientific > peer-review

Fluidized-bed denitrification of mining water tolerates high nickel concentrations. / Zou, G.; Papirio, S.; van Hullebusch, E. D.; Puhakka, J. A.
In: Bioresource Technology, Vol. 179, 01.03.2015, p. 284-290.
Research output: Contribution to journal > Article > Scientific > peer-review

Focus and Change of Water Management in Finland – Analysis of Vesitalous Journal, 1960-2009. / Jaatinen, Toni T. O.; Katko, Tapio S.; Pynnönen, Sanna T.; Vihanta, Joni S.
In: Ympäristöhistoria: Finnish Journal of Environmental History, No. 3, 14.09.2012, p. 10-32.
Research output: Contribution to journal > Article > Professional

Foreword Towards More Resilient Water Services. / Katko, Tapio S.
Resilient water services and systems: the foundation of well-being. ed. / Petri Juuti; Harri Mattila; Riikka Rajala; Klaas Schwartz; Chad Staddon. IWA Publishing, 2019. p. 9-13.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific

Forgotten infrastructure - In the quest for development, sustainability and security. / Hukka, J.J.; Katko, Tapio S.; Pietilä, Pekka E.; Seppälä, O.T.; Vinnari, Eija M.
Proceedings of the Conference on Security in Futures - Security in Change, 3-4 June 2010, Turku, Finland. FFRC eBook. ed. / B. Auffermann; J. Kaskinen. 2010. p. 318-325.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

FSES 2013, Finnish Conference of Environmental Sciences, 2-3 May 2013, Tampere, Finland. Proceedings. / Pynnönen, Sanna (Editor); Tuhkanen, Tuula (Editor).
Tampere : Tampere University of Technology, 2013. 156 p.
Research output: Book/Report > Anthology > Scientific > peer-review

Full scale landfill bottom liner test structures at Ämmässuo landfill, Espoo, Finland. / Leppänen, Minna ; Kaartokallio, Antti; Loukola, Erkki.
Sardinia 99, Seventh International Waste Management and Landfill Symposium, 4-8 October, S. Margherita di Pula, Cagliari, Sardinia, Italy. Proceedings, Vol. I-V. . ed. / Thomas H. Christensen; Raffaello Cossu; Rainer Stegmann. Vol. III 1999. p. 173-180.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential. / Palmroth, Marja Riitta Tuulikki; Mönkäre, Tiina Johanna; Steffen, Kari T.
Book of abstracts of the 6th European Bioremediation Conference. ed. / Nicolas Kalogerakis; Fabio Fava; Elena Manousaki. 2015. p. 47 169.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Gender comparison - The university students' exam results in the environmental and energy area. / Pitkänen, Anna; Raiko, Risto; Korpinen, Leena.
INTED 2012 Proceedings, 6th International Technology, Education and Development Conference, March 5th-7th, 2012, Valencia, Spain. ed. / L. Gomez Chova; A. Lopez Martinez; I. Candel Torres. Spain : International Association of Technology, Education and Development IATED, 2012. p. 3299-3308 (International Technology, Education and

Development Conference).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Genesis of Water supply and sanitation services in Finland. / Rajala, Riikka P.; Juuti, Petri S.; Katko, Tapio S.

In: *Ympäristöhistoria: Finnish Journal of Environmental History*, Vol. 8, No. 1, 04.2019, p. 18-28.

Research output: Contribution to journal › Article › Scientific › peer-review

Geometry of plate fins for maximizing heat transfer. / Karvinen, Reijo; Karvinen, Timo.

14th International Heat Transfer Conference IHTC-14, August 8-13, 2010, Washington DC, USA. ASME, 2010. p. 1-10.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Geo + Ympäristö = Ympäristögeotekniikka? / Leppänen, Minna .

In: *Geofoor*, No. 39, 03.2013, p. 6-7.

Research output: Contribution to journal › Article › Professional

Gestao e organizacao dos servicos de saneamento : Abordagens europeias. / Seppälä, Osmo; Katko, Tapio S.

Política pública e gestao de servicos de saneamento. ed. / Leo Heller; Jose Esteban Castro. Belo Horizonte; Rio de Janeiro : Editora da Universidade Federal de Minas Gerais (UFMG); Editora Fiocruz, 2013. p. 135-155.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Glazed spaces : A simplified calculation method for the evaluation of energy savings and interior temperatures. / Hilliaho,

Kimmo; Kovalainen, Ville; Huuhka, Satu ; Lahdensivu, Jukka .

In: *Energy and Buildings*, Vol. 125, 01.08.2016, p. 27-44.

Research output: Contribution to journal › Article › Scientific › peer-review

Global challenges and role of institutions in water services. / Katko, Tapio S.

In: *Econetin asakaslehti AQ*, No. 1, 09.05.2017, p. 15.

Research output: Contribution to journal › Article › Professional

Governance in water sector - comparing development in Kenya, Nepal, South Africa and Finland. / Juuti, P.S. (Editor);

Katko, T.S. (Editor); Mäki, H.R. (Editor); Nyanchaga, E.N. (Editor); Rautanen, S.-L. (Editor); Vuorinen, H.S. (Editor).

Unknown Publisher, 2007.

Research output: Book/Report › Anthology › Scientific › peer-review

Groundwater as a source of conflict and cooperation : Towards creating mutual gains in a finnish water supply project. /

Kurki, Vuokko; Katko, Tapio S.

In: *Water Alternatives*, Vol. 8, No. 3, 2015, p. 337-351.

Research output: Contribution to journal › Article › Scientific › peer-review

Halogen-Bond-Assisted Photoluminescence Modulation in Carbazole-Based Emitter. / Salunke, Jagadish; Durandin, Nikita

; Ruoko, Tero-Petri; Rafael Candeias, Nuno; Vivo, Paola; Vuorimaa-Laukkanen, Elina; Laaksonen, Timo; Priimägi, Arri.

In: *Scientific Reports*, Vol. 8, 14431 , 26.09.2018.

Research output: Contribution to journal › Article › Scientific › peer-review

Halpaa eli hyvää - minkälaisia merkityksiä vesihuoltoala rakentaa itsestään. / Heino, Ossi; Takala, Annina.

In: *Kunnallistieteellinen Aikakauskirja*, Vol. 41, No. 3, 2013, p. 226-245.

Research output: Contribution to journal › Article › Scientific › peer-review

Hanaa! Suomen vesihuolto - kehitys ja yhteiskunnallinen merkitys. / Katko, Tapio S.

Helsinki : Suomen Vesilaitosyhdistys ry, 2013. 501 p.

Research output: Book/Report › Book › Scientific › peer-review

Hätä ei häviä käymälöitä poistamalla. / Juuti, P.S.; Katko, T.S.

In: *www.huussi.net*, 2005, p. 7 s.

Research output: Contribution to journal › Article › Professional

Heap Bioleaching of Low-grade Multimetal Sulphidic Ore in Boreal Conditions. / Halinen, Anna-Kaisa.
Tampere University of Technology, 2015. 71 p. (Tampere University of Technology. Publication; Vol. 1347).
Research output: Book/Report > Doctoral thesis > Collection of Articles

Heikot signaalit vesihuollossa. / Heino, Ossi; Takala, Annina.
In: Vesitalous, No. 4, 2013, p. 29-31.
Research output: Contribution to journal > Article > Professional

Helsinki sai ensimmäisen puhdistamonsa 1910; Helsinki gained its first wastewater treatment plant 1910. / Juuti, Petri; Katko, Tapio; Rajala, Riikka.
In: Kuntatekniikka, Vol. 66, No. 1, 2011, p. 49-50.
Research output: Contribution to journal > Article > Professional

Highly compact TiO₂ films by spray pyrolysis and application in perovskite solar cells. / Möllmann, Alexander; Gedamu, Dawit; Vivo, Paola; Frohnhoven, Robert; Stadler, Daniel; Fischer, Thomas; Ka, Ibrahim; Steinhorst, Maximilian; Nechache, Riad; Rosei, Federico; Cloutier, Sylvain G.; Kirchartz, Thomas; Mathur, Sanjay.
In: Advanced Engineering Materials, Vol. 21, No. 4, 1801196, 01.2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Highly ductile amorphous oxide at room temperature and high strain rate. / Frankberg, Erkki J.; Kalikka, Janne; Ferré, Francisco García; Joly-Pottuz, Lucile; Salminen, Turkka; Hintikka, Jouko; Hokka, Mikko; Koneti, Siddardha; Douillard, Thierry; Le Saint, Bérangère; Kreiml, Patrice; Cordill, Megan J.; Epicier, Thierry; Stauffer, Douglas; Vanazzi, Matteo; Roiban, Lucian; Akola, Jaakko; Fonzo, Fabio Di; Levänen, Erkki; Masenelli-Varlot, Karine.
In: Science, Vol. 366, No. 6467, 15.11.2019, p. 864-869.
Research output: Contribution to journal > Article > Scientific > peer-review

High rate anaerobic treatment of LCFA-containing wastewater at low temperature. / Singh, Suniti.
Tampere University, 2019. 139 p. (Tampere University Dissertations).
Research output: Book/Report > Doctoral thesis > Collection of Articles

High rate autotrophic denitrification in fluidized-bed biofilm reactors. / Zou, G.; Papirio, S.; Lakaniemi, A.-M.; Ahoranta, S.H.; Puhakka, J.A.
In: Chemical Engineering Journal, Vol. 284, 2016, p. 1287-1294.
Research output: Contribution to journal > Article > Scientific > peer-review

High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition. / Pastor-Poquet, V.; Papirio, S.; Trably, E.; Rintala, J.; Escudie, R.; Esposito, G.
In: INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Historian hajuista tuoksujen tulevaisuuteen : pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta. / Juuti, Petri.
Tampere University Press, 2017. 280 p.
Research output: Book/Report > Book > Scientific > peer-review

Historian hajuista tuoksujen tulevaisuuteen : Pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta. / Katko, Tapio S.
1 p. Tampere : TamPub. 2017, Teoksen takakansiteksti.
Research output: Other contribution > Scientific

Historical development of water and sanitation services. / Juuti, Petri S.; Katko, Tapio S.
Water, Time and European Cities. History matters for the Futures. ed. / Petri S. Juuti; Tapio S. Katko. Tampere : Tampere University Press, 2005. p. 25-38.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Historical development paths and means for winning the challenge of aging water services infrastructure. / Rajala, Riikka; Juuti, Petri; Hukka, Jarmo; Katko, Tapio S.
Resilient Water Services and Systems: The Foundation of Well-Being. IWA Publishing, 2019. p. 15-30.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

History of water and sanitation services in Finland in the urban-rural mixture : The Case of the City of Tampere, Finland. / Katko, Tapio S.; Juuti, Petri S.
A History of Water: Water and Urbanization: Series III, Volume 1. ed. / T. Tvedt; T. Oestigaard. London : I. B. Tauris, 2014. p. 498-519.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

HPLC-SEC : a new approach to characterise complex wastewater effluents. / Szabo, Hilda Marta; Lepistö, Raghida; Tuhkanen, Tuula.
In: International Journal of Environmental Analytical Chemistry, Vol. 96, No. 3, 19.02.2016, p. 257-270.
Research output: Contribution to journal › Article › Scientific › peer-review

Hybrid barrier films by atmospheric inline plasma deposition on sol-gel coated PE-cardboard. / Nättinen, K.; Nikkola, J.; Mannila, J.; Vartiainen, J.; Tuominen, M.; Lavonen, J.
Coatings for Plastics at NPE 2009, June 23-24, 2009, McCormick Place, Chicago, IL. 2009. p. 8 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Hydrodynamic drag and velocity of micro-bubbles in dilute paper machine suspensions. / Haapala, A.; Honkanen, Markus; Liimatainen, H.; Stoor, T.; Niinimäki, J.
In: Chemical Engineering Journal, Vol. 162, 2010, p. 956-964.
Research output: Contribution to journal › Article › Scientific › peer-review

Hydrogen sulfide removal from synthetic biogas using anoxic biofilm reactors. / Khanongnuch, Ramita.
Tampere University, 2019. 187 p. (Tampere University Dissertations).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Hydrolysed cellulose material as sulfate reduction electron donor to treat metal- and sulfate containing waste water. / Lakaniemi, A.-M.; Nevatalo, L.M.; Kaksonen, A.H.; Puhakka, J.A.
In: Advanced Materials Research, Vol. 20-21, 2007, p. 326-326.
Research output: Contribution to journal › Article › Scientific › peer-review

Hydrothermal carbonization of pulp mill streams. / Wikberg, Hanne; Ohra-aho, Taina; Honkanen, Mari; Kanerva, Heimo; Harlin, Ali; Vippola, Minnamari; Laine, Christiane.
In: Bioresource Technology, Vol. 212, 01.07.2016, p. 236-244.
Research output: Contribution to journal › Article › Scientific › peer-review

Hyvän veden ja hyvien yhteyksien kaupunki - Riihimäen Veden historia. / Juuti, Petri; Rajala, Riikka; Pietilä, Pekka; Katko, Tapio.
In: Vesitalous, Vol. 52, No. 5, 2011, p. 36-40.
Research output: Contribution to journal › Article › Scientific › peer-review

Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. / Juuti, Petri; Rajala, Riikka P.; Pietilä, Pekka E.; Katko, Tapio S.
Riihimäen Vesi, 2010. 336 p.
Research output: Book/Report › Book › Scientific › peer-review

Hyvien yhteyksien ja hyvän veden kaupunki. / Juuti, Petri ; Rajala, Riikka ; Pietilä, Pekka .
Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. ed. / Petri Juuti; Riikka Rajala; Pekka Pietilä; Tapio Katko. TamPub, 2010. p. 314-333.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Identification of Wastewater Leaching into the Wells by HPLC-SEC Using UV and Fluorescence Detection. / Szabo, Hilda Marta; Tuhkanen, Tuula.

Survival and Sustainability : Environmental concerns in the 21st Century. ed. / Gökcekus Huseyin; Turker Umut; W. LaMoreaux James. Springer Berlin Heidelberg, 2011. p. 893-897 (Environmental Earth Sciences).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Ikääntyvä infra - vesihuollon keskeisin haaste. / Heino, Ossi; Katko, Tapio; Takala, Annina.

In: Vesitalous, No. 6, 2010, p. 22-24.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Ilmasto muuttuu, riittääkö vesi? / Juuti, P.; Katko, T.

In: Aamulehti, 2007.

Research output: Contribution to journal › Article › General public

Impact of heavy metals on denitrification of simulated mining wastewaters. / Zou, Gang; Ylinen, Anna; Di Capua, Francesco; Papirio, Stefano; Lakaniemi, Aino-Maija; Puhakka, Jaakko.

In: Advanced Materials Research, Vol. 825, 2013, p. 500-503.

Research output: Contribution to journal › Article › Scientific › peer-review

Impacts of changing operational parameters of in situ chemical oxidation (ISCO) on removal of aged PAHs from soil. /

Cajal-Marinosa, Paula; de la Calle, Ruth; Rivas, F. Javier; Tuhkanen, Tuula.

In: Journal of Advanced Oxidation Technologies, Vol. 15, No. 2, 2012, p. 429-436.

Research output: Contribution to journal › Article › Scientific › peer-review

Impacts of short-term temperature fluctuations on biohydrogen production and resilience of thermophilic microbial communities. / Okonkwo, Onyinye; Escudié, Renaud; Bernet, Nicolas; Mangayil, Rahul; Lakaniemi, Aino-Maija; Trably, Eric.

In: International Journal of Hydrogen Energy, Vol. 44, No. 16, 29.03.2019, p. 8028-8037.

Research output: Contribution to journal › Article › Scientific › peer-review

Importance and challenges of sharing experiences among an international and interdisciplinary group of doctoral students. / Kurki, Vuokko ; Sidaraviciute, Ruta; Sörensen, Johanna ; Kibocha, Samuel Ngari; Retike, Inga ; Ikobe, Geoffrey ; Tichonovas, Martynas; Elijosiute, Erika ; Rajala, Riikka .

In: Ympäristöhistoria: Finnish Journal of Environmental History, No. 1/2015, 2015, p. 45-51.

Research output: Contribution to journal › Article › Scientific › peer-review

Improved bioconversion of crude glycerol to hydrogen by statistical optimization of media components. / Mangayil, Rahul; Aho, Tommi; Karp, Matti; Santala, Ville.

In: Renewable Energy, Vol. 75, 01.03.2015, p. 583-589.

Research output: Contribution to journal › Article › Scientific › peer-review

Improved water services cooperation through clarification of rules and roles. / Inha, Laura M.; Katko, Tapio S.; Rajala, Riikka P.

In: Water (Switzerland), Vol. 11, No. 10, 2172, 19.10.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Increasing oxygen deficiency changes rare and moderately abundant bacterial communities in coastal soft sediments. / Sinkko, Hanna; Hepolehto, Iina; Lyra, Christina; Rinta-Kanto, Johanna M.; Villnäs, Anna; Norkko, Alf; Timonen, Sari.

In: Scientific Reports, Vol. 9, 16341, 08.11.2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Indigenous practices of water management for sustainable services : Case of Borana and Konso, Ethiopia. / Behailu, Beshah M.; Pietilä, Pekka E.; Katko, Tapio S.

In: SAGE OPEN, Vol. 6, No. 4, 06.12.2016, p. 1-11.

Research output: Contribution to journal › Article › Scientific › peer-review

Influence of atmospheric plasma treatment on surface properties and inkjet printability of plastic packaging film. / Lahti, Johanna; Eiroma, K.; Tenhunen, Tiiia-Maria; Pykönen, M.; Toivakka, M.
Iarigai 2010 Montreal, Advances in Printing and Media Technology, Montreal, Canada, September 12-15, 2010. 2010. p. 1-7.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Influence of Diffusion Barriers on Thermal Ageing Behaviour of Solar Absorber Coatings on Copper. / Kotilainen, Minna; Vuoristo, Petri.
Surface Modification Technologies XXVIII: Tampere University of Technology Tampere, Finland June 16-18, 2014 . 2015. p. 481-491.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Influence of temperature and pretreatments on the anaerobic digestion of wastewater grown microalgae in a laboratory-scale accumulating-volume reactor. / Kinnunen, Viljami; Craggs, Rupert; Rintala, Jukka.
In: Water Research, Vol. 57, 2014, p. 247-257.

Research output: Contribution to journal > Article > Scientific > peer-review

Influence of TiO₂ compact layer precursor on the performance of perovskite solar cells. / Vivo, Paola; Ojanperä, Anniina; Smått, Jan-Henrik; Sänden, Simon; Hashmi, Syed Ghufan; Kaunisto, Kimmo; Ihalainen, Petri; Masood, Muhammad Talha; Österbacka, Ronald; Lund, Peter D. ; Lemmetyinen, Helge.
In: Organic Electronics, Vol. 41, 2017, p. 287-293.

Research output: Contribution to journal > Article > Scientific > peer-review

Inhibitory effects of substrate and soluble end products on biohydrogen production of the alkalithermophile *Caloramator celer* : Kinetic, metabolic and transcription analyses. / Ciranna, Alessandro; Ferrari, Roberto; Santala, Ville; Karp, Matti.
In: International Journal of Hydrogen Energy, Vol. 39, No. 12, 15.04.2014, p. 6391-6401.

Research output: Contribution to journal > Article > Scientific > peer-review

Innovative use of recovered municipal solid waste incineration bottom ash as a component in growing media. / Sormunen, Annika; Kanniainen, Teo; Salo, Tapio; Rantsi, Riina.

In: Waste Management and Research, Vol. 34, No. 7, 01.07.2016, p. 595-604.

Research output: Contribution to journal > Article > Scientific > peer-review

Insentiivit julkisen sektorin innovaatiotoiminnan edistämisen välineinä. Esimerkkinä Georgian osavaltion palvelu-uudistus. / Anttiroiko, Ari-Veikko; Heino, Ossi.

In: Työelämän tutkimus, Vol. 10, No. 3, 2012, p. 298-305.

Research output: Contribution to journal > Article > Scientific > peer-review

Institutional development is the key for sustainable water services in the built environment. / Katko, Tapio S.; Hukka, Jarmo J.

Proceedings of the CIB World Building Congress 2016: Volume IV - Understanding impacts and functioning of different solutions. ed. / S. Nenonen; J-M. Junnonen. Tampere : Tampere University of Technology. Department of Civil Engineering, 2016. p. 419-430.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Integration of water and wastewater utilities. / Katko, Tapio S.; Kurki, Vuokko O.; Juuti, Petri S.; Rajala, Riikka P.; Seppälä, Osmo T.

In: Journal American Water Works Association, Vol. 102, No. 9, 2010, p. 62-70.

Research output: Contribution to journal > Article > Scientific > peer-review

Integration of water and wastewater utilities. / Katko, Tapio S.; Kurki, Vuokko O.; Juuti, Petri S.; Rajala, Riikka P.; Seppälä, Osmo T.

Water Services Management and Governance : Lessons for a Sustainable Future. ed. / Tapio S. Katko; Petri S. Juuti; Klaas Schwartz; Riikka P. Rajala. IWA Publishing, 2013. p. 29-40.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Introduction: Evolution and futures of water management: strategic decisions, challenges and effectiveness. / Juuti, Petri S.; Katko, Tapio S.; Rajala, Riikka P.

Water: a Matter of Life - Long-term strategic thinking in water services. 193 p. KehraMedia Inc. ed. / Katko T. S. Juuti P.S.; R.P. Rajala. 2008. p. 6-20.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Inverse infrastructures: self-organization in the water services. / Heino, Ossi; Anttiroiko, Ari-Veikko.

In: Water Policy, 2014, p. 299-315.

Research output: Contribution to journal › Article › Scientific › peer-review

Ja alussa oli vesi. / Juuti, Petri ; Rajala, Riikka .

Vinttikaivosta vesiyhtiöön. ed. / Petri Juuti; Riikka Rajala. Saarijärvi : TamPub, 2011. p. 15-18.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Jätehuollon jakautuminen osamarkkinoihin ja yritystoiminta. / Kallio, Olavi; Valkama, Pekka; Siitonen, Pentti; Heino, Ossi.

Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa. ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 99-113.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Jätehuollon, -politiikan ja -lainsäädännön institutionaalinen kuvaus. / Heino, Ossi; Kallio, Olavi; Valkama, Pekka; Siitonen, Pentti.

Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa. ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 33-50.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Jätehuollon tekniset vaihtoehdot. / Heino, Ossi.

Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa. ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 51-74.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Jätevedenpuhdistuksen ja viemäröinnin vaiheita Helsingissä. / Juuti, Petri ; Rajala, Riikka .

Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2010. p. 36-90.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Johdanto: vesirikas Riihimäki. / Juuti, Petri ; Pietilä, Pekka; Rajala, Riikka .

Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. ed. / Petri Juuti; Riikka Rajala; Pekka Pietilä; Tapio Katko. TamPub, 2010. p. 26-33.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Johtoja ja joukkuehenkeä. / Heino, Ossi.

In: Vesitalous, No. 3, 2013, p. 11-13.

Research output: Contribution to journal › Article › Professional

Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä. / Mäkinen, Johanna; Mela, Hanna.

Helsinki : Suomen ympäristökeskus (SYKE), 2019. 4 p.

Research output: Book/Report › Commissioned report › Professional

Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka. / Anttiroiko, Ari-Veikko; Heino, Ossi.

In: Yhdyskuntasuunnittelu, Vol. 51, No. 3, 2013, p. 30-43.

Research output: Contribution to journal › Article › Scientific › peer-review

Käänteiset perusrakenteet : Suuntana hajautettu infrastruktuuripolitiikka? / Heino, Ossi; Anttiroiko, Ari-Veikko.

In: Kuntatekniikka, No. 1, 2013, p. 40-42.

Research output: Contribution to journal › Article › Professional

Kaivoista ja käymälöistä kohti kunnallista vesihuoltoa. / Juuti, Petri .

Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. ed. / Petri Juuti; Riikka Rajala; Pekka Pietilä; Tapio Katko. TamPub, 2010. p. 34-63.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Kapkaupungin pysyvä vesikriisi – ratkeako vesipula, jos lisää vettä pumpataan vuotavaan verkostoon. / Juuti, Petri; Rajala, Riikka.

In: Vesitalous, No. 5, 2018, p. 39-42.

Research output: Contribution to journal › Article › Professional

Kasvun ja veden kausi – I vesilaitoksesta II maailmansotaan. / Juuti, Petri ; Rajala, Riikka .

Vinttikaivosta vesiyhtiöön. ed. / Petri Juuti; Riikka Rajala. Saarijärvi : TamPub, 2011. p. 51-74.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Kinetics of biomass pyrolysis. / Kokko, Lauri; Tolvanen, Henrik; Hankalin, Ville; Raiko, Risto.

BioRefine Yearbook 2010. Tekes Rewiew. ed. / Tuula Mäkinen; Eija Alakangas; Marjo Kauppi. 2010. p. 39-45.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Kirja-arviointi: Kuinka vesiensuojelu saatiin pääosin kuntoon? / Katko, Tapio S.

In: Vesitalous, Vol. 58, No. 4, 2017, p. 46-47.

Research output: Contribution to journal › Article › Scientific

Kirja-arviointi:Yliopistomme vaarassa hukkaa byrokratiaan. Pekka Kauppi. Kahlittu yliopistomme. Miten vapaudumme byrokratiasta ja opetuksen ylenkatsomisesta. Into Kustannus Oy. 2017. . / Katko, Tapio S.

In: Tiedepolitiikka, Vol. 43, No. 1, 06.2018, p. 58-60.

Research output: Contribution to journal › Article › Scientific

Kirjastolta uutta tiedonhankinnan opetusta tukemaan opetusta antavien yksiköiden toimintaa. / Lepistö, Kirsi; Korpinen, Leena.

ReflekTori 2010 Tekniikan opetuksen symposium 9.-10.2010, Espoo. Dipoli-raportit B. ed. / Eeva Myller. 2010. p. 136-138.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Kohti hajautettua infrastruktuuripolitiikkaa? Paikalliset vesiosuuskunnat perusrakenteiden tuottajina. / Heino, Ossi; Anttiroiko, Ari-Veikko.

In: Maaseudun uusi aika, Vol. 22, No. 3, 2014, p. 38-50.

Research output: Contribution to journal › Article › Scientific › peer-review

Kohti puhtaampaa Itämerta. / Juuti, Petri ; Rajala, Riikka .

Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2010. p. 135-142.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Kohti tasapuolisempaa tutkimuksen arviointia : Pääkirjoitus. / Katko, Tapio S.

In: Ympäristöhistoria: Finnish Journal of Environmental History, Vol. 5, No. 1, 2015, p. 4-5.

Research output: Contribution to journal › Article › Scientific › peer-review

Kokeellinen tutkimus savupiipun läpivientieristeen orgaanisen aineen palamisen vaikutuksesta paloturvallisuuteen. / Leppänen, Perttu; Malaska, Mikko.

Pelastustieto: Palotutkimuksen päivät 2017, erikoisnumero. Palo- ja pelastustieto ry, 2017. p. 15-20 (Pelastustieto).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Kokemus : Kajaanin vesihuollon ammattilaisten kokemukset ja näkemykset. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.
Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 175-228.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Konvergenssi ja divergenssi ongelmatyyppien luonnehtijoina : Esimerkkinä vesihuoltoinfrastruktuurin ikääntyminen. / Heino, Ossi .
In: Tiedepolitiikka, Vol. 40, No. 3, 2015, p. 39-46.
Research output: Contribution to journal › Article › Scientific › peer-review

Koulutus ja tutkimus kehityksen moottorina. / Hukka, Jarmo; Katko, Tapio S.; Pietilä, Pekka.
In: Econetin asiakaslehti AQ, No. 3, 12.2019, p. 13.
Research output: Contribution to journal › Article › Professional

Kuka päättää vesihuollon tulevaisuudesta? (Who decides on the future of the water supply?). / Rajala, Riikka; Juuti, Petri; Katko, Tapio.
In: Vesitalous, Vol. 51, No. 1, 2014, p. 33-34.
Research output: Contribution to journal › Article › Scientific

KUPERA-kaupunkien teknisen sektorin johto kaipaa toimintakulttuuriin muutosta : Haasteista innovatiivisiin mahdollisuuksiin. / Leponiemi, Ulrika; Heino, Ossi.
In: Kuntatekniikka, No. 7, 2011, p. 51-52.
Research output: Contribution to journal › Article › Professional

Kyläyhteisöt palvelukulutuksen alustana. / Laukka, Anu; Heino, Ossi; Valkama, Pekka; Salonen, Annastiina.
Tampere : Maaseutupolitiikan yhteistyöryhmä, YTR, 2013. 16 p. (Maaseutupolitiikan yhteistyöryhmän julkaisuja; No. 6).
Research output: Book/Report › Commissioned report › Professional

Kylien palvelutuotantoedellytyksistä erityisesti julkisten palvelujen näkökulmasta tarkasteltuna. / Valkama, Pekka; Heino, Ossi; Salonen, Annastiina; Laukka, Anu.
Tampere : Maaseutupolitiikan yhteistyöryhmä, YTR, 2013. 9 p. (Maaseutupolitiikan yhteistyöryhmän julkaisuja; No. 6).
Research output: Book/Report › Commissioned report › Professional

Laajentumisen aika. / Juuti, Petri ; Rajala, Riikka .
Vinttikaivosta vesiyhtiöön. ed. / Petri Juuti; Riikka Rajala. Saarijärvi : TamPub, 2011. p. 75-118.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Lack of water engineers hampering development. North-South cooperation in higher education is a must. / Hukka, Jarmo J.; Katko, Tapio S.; Pietilä, Pekka P.
In: Rakennustekniikka, Vol. 66, No. 2, 2011, p. 58-61.
Research output: Contribution to journal › Article › Professional

Lähde : Pohjavedenottamot. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.
Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 93-136.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Lähteet Suomen vesihuollossa. / Katko, Tapio; Juuti, Petri S.
In: Vesitalous, No. 4, 2014, p. 15-18.
Research output: Contribution to journal › Article › Scientific › peer-review

Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands. / Laasasenaho, Kari; Lensu, Anssi; Rintala, Jukka; Lauhanen, Risto.
In: Land Use Policy, Vol. 69, 01.12.2017, p. 167-175.
Research output: Contribution to journal › Article › Scientific › peer-review

Learning for sustainable water and sanitation services. / Takala, Annina.

Proceedings of the 8th International Conference on Engineering Education for Sustainable Development (Bruges, 4-7 September 2016) : Building a circular economy together. ed. / B. Mazijn. Brugge : Instituut voor Duurzame Ontwikkeling vzw, 2016. p. 250-258 D.3.2.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Leveraging concepts for environmentally sustainable business management in construction - a focused review. /

Huovinen, Pekka .

CIB Proceedings 2015 : Going North for Sustainability: Leveraging Knowledge and Innovation for Sustainable Construction and Development. ed. / Charles Egbu . London, UK : IBEA Publications Ltd, 2015. p. 286-296.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu. / Liimatainen, Heikki; Viri, Riku.

Suomen ilmastopaneeli, 2017.

Research output: Book/Report › Commissioned report › Professional

Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta. / Leppänen, Minna ; Välisalo, Tero (Editor); Laasonen, Juha.

Kaivosten stressitesti 2013. Ympäristöministeriö, 2014. (Ympäristöministeriön raportteja).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Professional

Long-term measurement of free time exposure to low frequency magnetic fields in Finland. / Holm, Anna; Korpinen,

Leena.

Bioelectromagnetics Society 32nd Annual Meeting (BEMS), June 14-18, 2010, Seoul, Korea. 2010. p. 1-2.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Long-term performance evaluation of an anoxic sulfur oxidizing moving bed biofilm reactor under nitrate limited conditions.

/ Khanongnuch, Ramita; Di Capua, Francesco; Lakaniemi, Aino-Maija; Rene, Eldon R.; Lens, Piet.

In: Environmental Science: Water Research & Technology, Vol. 5, No. 6, 29.04.2019, p. 1072-1081.

Research output: Contribution to journal › Article › Scientific › peer-review

Long term stability of air processed inkjet infiltrated carbon-based printed perovskite solar cells under intense ultra-violet light soaking. / Hashmi, Syed Ghufan; Tiihonen, Armi; Martineau, David; Özkan, Merve; Vivo, Paola; Kaunisto, Kimmo; Vainio, Ulla; Zakeeruddin, Shaik Mohammed; Grätzel, Micheal.

In: Journal of Materials Chemistry A, Vol. 5, No. 10, 2017, p. 4797-4802.

Research output: Contribution to journal › Article › Scientific › peer-review

Long-term strategic decisions in 13 countries and 29 cities. / Juuti, Petri S.; Katko, Tapio S.

Water, Time and European Cities. History matters for the Futures. ed. / Petri S. Juuti; Tapio S. Katko. Tampere : Tampere University Press, 2005. p. 50-72.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Long-term thermophilic mono-digestion of rendering wastes and co-digestion with potato pulp. / Bayr, S.; Ojanperä, M.;

Kaparaju, P.; Rintala, J.

In: Waste Management, Vol. 34, No. 10, 2014, p. 1853-1859.

Research output: Contribution to journal › Article › Scientific › peer-review

Loppuluku – haasteita riittää tulevaisuuteen. / Juuti, Petri Sakari; Rajala, Riikka .

Vesihuoltoyhteistyötä yli rajojen: PK-seudun yhteistyöhankkeet ja yhdistämissuunnitelmat ennen ja nyt Espoon näkökulmasta. ed. / Petri Juuti; Riikka Rajala. University of Tampere, 2009. p. 131-144.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor. / Tao, Ran; Bair, Robert; Pickett, Melanie; Calabria, Jorge L.; Lakaniemi, Aino-Maija; van Hullebusch,

Eric D.; Rintala, Jukka A.; Yeh, Daniel H.

In: Environmental Technology, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

L'oxydation chimique pour la remediation des sols contamines par des composes recalcitrants. Cas de la chlordecone. / Tuhkanen, Tuula.

Remediation a la pollution par la chlordecone aux Antilles, No 9-10, Avril 2011. Le Lamentin, 2011. p. 8-11 (Les Cahiers du PRAM).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

Luminescent bacteria-based sensing method for methylmercury specific determination. / Rantala, Anne; Utriainen, Mikko; Kaushik, Nitesh; Virta, Marko; Välimaa, Anna-Liisa; Karp, Matti.

In: Analytical and Bioanalytical Chemistry, Vol. 400, No. 4, 2011, p. 1041-1049.

Research output: Contribution to journal › Article › Scientific › peer-review

Lyhyestä tiede kaunis? / Katko, Tapio.

In: Tiedepolitiikka, Vol. 36, No. 2, 2011, p. 55-55.

Research output: Contribution to journal › Article › Scientific

Managed aquifer recharge in community water supply: the Finnish experience and some international comparisons. / Kurki, V.; Lipponen, A.; Katko, T.

In: Water International, Vol. 38, No. 6, 2013, p. 774-789.

Research output: Contribution to journal › Article › Scientific › peer-review

Managing water and sewerage services in a cold, four-seasons climate. / Hukka, J.J.; Katko, T.S.; Pietilä, P.E.; Vinnari, E. Proceedings of the 8th ISCORD Symposium, Tampere, Finland, September 25-27, 2007. 2007. p. 17-18.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Managing water supply through joint regional municipal authorities in Finland: Two comparative cases. / Stenroos, Marko; Katko, Tapio S.

In: Water, Vol. 3, No. 2, 2011, p. 667-681.

Research output: Contribution to journal › Article › Scientific › peer-review

Measurers' Exposure to Extremely Low Frequency Magnetic Fields at 400 kV Substations. / Korpinen, Leena; Kuisti, Harri; Tarao, Hiroo; Pääkkönen, Rauno.

PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia. Electromagnetics Academy, 2012. p. 282-285 (Progress in Electromagnetics Research Symposium).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Measures for Energy Efficient and Low Emission Private Mobility. / Liimatainen, Heikki.

Affordable and Clean Energy. Encyclopedia of the UN Sustainable Development Goals.. Springer, 2020. (Encyclopedia of the UN Sustainable Development Goals).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content. / Sormunen, Laura Annika; Kolisoja, Pauli .

In: Road Materials and Pavement Design , Vol. 19, No. 2, 2018, p. 252-270.

Research output: Contribution to journal › Article › Scientific › peer-review

Mental symptoms and the use of new technical equipment. / Korpinen, Leena; Pääkkönen, Rauno.

In: International Journal of Occupational Safety and Ergonomics, Vol. 15, No. 4, 2009, p. 385-400.

Research output: Contribution to journal › Article › Scientific › peer-review

Merkittävimmät päästövähennystoimet ilmastonmuutoksen hillitsemiseksi. / Auvinen, Karoliina; Maanavilja, Liisa; Seppälä, Jyri; Sankelo, Paula; Mäkinen, Johanna; Sarkkola, Sakari; Helonheimo, Teemu; Saikku, Laura; Lounasheimo, Johannes; Riekkinen, Venla.

Suomen ympäristökeskus (SYKE), 2020. 4 p.

Research output: Book/Report › Commissioned report › Professional

Metabolic engineering of *Acinetobacter baylyi* ADP1 for improved growth on gluconate and glucose. / Kannisto, Matti; Aho, Tommi; Karp, Matti; Santala, Ville.

In: Applied and Environmental Microbiology, Vol. 80, No. 22, 2014, p. 7021-7027.

Research output: Contribution to journal › Article › Scientific › peer-review

Metals removal and recovery in bioelectrochemical systems : A review. / Nancharaiah, Y. V.; Venkata Mohan, S.; Lens, P.N.L.

In: Bioresource Technology, Vol. 195, 2015, p. 102-114.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Metering the quality of water supply and sewage network maintenance services. / Välisalo, Tero; Heino, Ossi; Luomanen, Tiia.

2012 IFME World Congress on Municipal Engineering. Sustainable Communities, June 4-10, Helsinki, Finland.

International Federation of Municipal Engineering IFME, 2012. p. 1-9 (International Federation of Municipal Engineering World Congress).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Methane oxidation potential of boreal landfill cover materials: The governing factors and enhancement by nutrient manipulation. / Maanoja, Susanna T.; Rintala, Jukka A.

In: Waste Management, Vol. 46, 2015, p. 399-407.

Research output: Contribution to journal › Article › Scientific › peer-review

Methylophaga and Hyphomicrobium can be used as target genera in monitoring saline water methanol-utilizing denitrification. / Rissanen, Antti J.; Ojala, Anne; Dernjatin, Markus; Jaakkola, Jouni; Tiirola, Marja.

In: Journal of Industrial Microbiology and Biotechnology, 01.10.2016, p. 1-11.

Research output: Contribution to journal › Article › Scientific › peer-review

Methylophilaceae and Hyphomicrobium as target taxonomic groups in monitoring the function of methanol-fed denitrification biofilters in municipal wastewater treatment plants. / Rissanen, Antti J.; Ojala, Anne; Fred, Tommi; Toivonen, Jyrki; Tiirola, Marja.

In: Journal of Industrial Microbiology and Biotechnology, 08.11.2016, p. 1-13.

Research output: Contribution to journal › Article › Scientific › peer-review

Metropoli ja meri. 100 vuotta jätevedenpuhdistusta Helsingissä. / Juuti, Petri; Rajala, Riikka; Katko, Tapio.

Helsinki : HSY Helsingin seudun ympäristöpalvelut, 2010. 158 p. (HSY:n julkaisuja; Vol. 6/2010).

Research output: Book/Report › Book › Scientific › peer-review

Microalgae grow on source separated human urine in Nordic climate : Outdoor pilot-scale cultivation. / Chatterjee, Pritha; Granatier, Marianna; Ramasamy, Praveen; Kokko, Marika; Lakaniemi, Aino-Maija; Rintala, Jukka.

In: Journal of Environmental Management, Vol. 237, 2019, p. 119 - 127.

Research output: Contribution to journal › Article › Scientific › peer-review

Microbial electrochemical technologies with the perspective of harnessing bioenergy : Maneuvering towards upscaling. / Butti, Sai Kishore; Velvizhi, G.; Sulonen, Mira L K; Haavisto, Johanna M.; Oguz Koroglu, Emre; Yusuf Cetinkaya, Afsin; Singh, Surya; Arya, Divyanshu; Annie Modestra, J.; Vamsi Krishna, K.; Verma, Anil; Ozkaya, Bestami; Lakaniemi, Aino-Maija; Puhakka, Jaakko A.; Venkata Mohan, S.

In: Renewable and Sustainable Energy Reviews, Vol. 53, 01.2016, p. 462-476.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Microstructure-property relationships of novel ultra-high strength press hardening steels. / Järvinen, Henri; Honkanen, Mari; Oja, Olli; Järvenpää, Martti; Peura, Pasi.

In: Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, Vol. 50, No. 2, 2019, p. 816-836.

Research output: Contribution to journal › Article › Scientific › peer-review

Mihin jätevedenpuhdistusta tarvitaan? / Juuti, Petri ; Rajala, Riikka .

Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2010. p. 13-35.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Mine wastewater treatment using Phalaris arundinacea plant material hydrolyzate as substrate for sulfate-reducing bioreactor. / Lakaniemi, Aino-Maija; Nevatalo, Laura M; Kaksonen, Anna H.; Puhakka, Jaakko A.

In: Bioresource Technology, Vol. 101, No. 11, 2010, p. 3931-3939.

Research output: Contribution to journal > Article > Scientific > peer-review

Ministry of the Environment announces a Guide on Renovation and Repair of Buildings with Moisture and Microbial Damage - From theory to practice. / Weijo, Inari; Turunen, Timo; Lahdensivu, Jukka; Sistonen, Esko; Annala, Petri.

In: E3S Web of Conferences, Vol. 172, 20007, 30.06.2020.

Research output: Contribution to journal > Conference article > Scientific > peer-review

Missä, missä se kaivo on? / Katko, T.

In: Vesimittari, HS-Veden asiakaslehti, No. 1, 2009, p. s. 8.

Research output: Contribution to journal > Article > Professional

Modeling fine particles and alkali metal compound behavior in a kraft recovery boiler. / Leppänen, Aino; Välimäki, Erkki; Oksanen, Antti.

In: TAPPI Journal, Vol. 11, No. 7, 2012, p. 9-14.

Research output: Contribution to journal > Article > Scientific > peer-review

Modeling of autonomous power systems - A mathematical model of a hybrid power system. / Mustonen, S.; Nanthavong, K.

Proceedings of the 2nd Joint International Conference on "Sustainable Energy and Environment (SEE 2006)" 21-23 November, 2006, Bangkok, Thailand. 2006. p. 6 p.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Modeling of Fine Particles and Alkali Metal Compounds in Kraft Recovery Boiler Furnace. / Leppänen, Aino; Välimäki, Erkki; Oksanen, Antti.

The 2011 TAPPI PEERS Conference, 2-5 October 2011, Oregon Convention Center in Portland, Oregon USA. Norcross, GA : TAPPI, 2011. p. 1-8 (TAPPI PEERS Conference).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Modeling of Finnish building sector energy consumption and greenhouse gas emission : specification of POLIREM policy scenario model. / Mattinen, Maija; Heljo, Juhani.

Suomen ympäristökeskus, 2016. 23 p. (Reports of the Finnish Environment Institute; No. 26/2016).

Research output: Book/Report > Commissioned report > Professional

Modelling fume deposit growth in recovery boilers: effect of flue gas and deposit temperature. / Leppänen, Aino; Tran, Honghi; Välimäki, Erkki; Oksanen, Antti.

In: Journal of Science and Technology for Forest Products and Processes, Vol. 4, No. 1, 2014, p. 50-57.

Research output: Contribution to journal > Article > Scientific > peer-review

Modelling of anisotropic fatigue. / Holopainen, Sami ; Kouhia, Reijo ; Ottosen, Nils Saabye; Matti, Ristinmaa; Saksala, Timo .

Contributions to the foundations of multidisciplinary research in mechanics: Papers presented during the 24th International Congress of Theoretical and Applied Mechanics ICTAM2016, Montreal, Canada, 21-26, Aug. 2016. ed. / J.M. Floryan. Vol. 3 IUTAM, 2016. p. 1822-1823.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Modelling of plastic culvert and road embankment interaction in 3D. / Kolisoja, Pauli ; Kalliainen, Antti .

In: Procedia Engineering, Vol. 143, 2016, p. 427-434.

Research output: Contribution to journal > Article > Scientific > peer-review

Modelling of seep through of humidity to electric connector with stochastic processes. / Ojala, Petteri; Hietala, Jukka-Pekka; Miettinen, Juha; Julkunen, Pasi; Nieminen, Ilpo.
ESREL 2017. Safety and Reliability. Theory and Applications. ed. / Marko Cepin; Radim Bris. CRC Press, 2017.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Municipal challenges in managing a building with noted health symptoms. / Uotila, Ulrika; Saari, Arto; Junnonen, Juha-Matti.
In: Facilities, 11.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan. / Saari, Arto .
Sanoma Talotekniikkajulkaisut Oy. 2016, . (Rakennuslehti).
Research output: Other contribution › Scientific

Näkökulma: Maltti on valttia Suomellekin nollaenergiatavoitteita asetettaessa. / Vinha, Juha .
In: Rakennuslehti, No. 6, 13.02.2015.
Research output: Contribution to journal › Article › General public

Näkymätönt Porri. Porin veden historia. / Juuti, Petri S.; Katko, Tapio S.; Louekari, Sami M.; Rajala, Riikka P.
Pori : Porin Vesi, 2010.
Research output: Book/Report › Book › Scientific › peer-review

Nanoscale Surface Processing of Extrusion Coated Substrates with Atmospheric Plasma Technology. / Lahti, Johanna.
2013. Paper presented at 14th TAPPI. European Place Conference 6-8 May 2013 Swisshotel Dresden, Germa, .
Research output: Other conference contribution › Paper, poster or abstract › Scientific

Nature and extent of potable water consumption in Tampere (Finland) and Carletonville (South Africa). / Rajala, Riikka; Juuti, Petri; Nealer, Eric.
Resilient Water Services and Systems: The Foundation of Well-Being. IWA Publishing, 2019. p. 149-162.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia. / Behailu, Beshah M.; Mattila, Harri.
Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions. ed. / Suvi Nenonen; Juha-Matti Junnonen. Tampere University of Technology, 2016. p. 431-440.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Negotiating Groundwater Governance : Lessons from Contentious Aquifer Recharge Projects. / Kurki, Vuokko.
Tampere University of Technology, 2016. 76 p. (Tampere University of Technology. Publication; Vol. 1387).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Negotiating water governance: towards cooperation in contentious groundwater recharge projects. / Kurki, Vuokko.
Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities. Tampere University of Technology. Department of Civil Engineering, 2016. p. 91-102.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Nitrogen recovery from reject water in a 3-chamber bioelectroconcentration cell. / Koskue, Veera; Ledezma, Pablo; Freguia, Stefano; Kokko, Marika.
2018. Paper presented at EU-ISMET 2018, Newcastle upon Tyne, United Kingdom.
Research output: Other conference contribution › Paper, poster or abstract › Scientific

Numerical modeling of fine particle and deposit formation in a recovery boiler. / Leppänen, A.; Tran, Honghi; Taipale, Raili; Välimäki, Erkki; Oksanen, A.
In: Fuel, Vol. 129, 01.08.2014, p. 45-53.
Research output: Contribution to journal › Article › Scientific › peer-review

Nutrient and organic matter removal from wastewaters with microalgae. / Tao, Ran.
Tampere University, 2019. 153 p. (Tampere University Dissertations).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Occupational exposure to electric and magnetic fields during work tasks at 110 kV substations in the Tampere region. / Korpinen, Leena; Pääkkönen, Rauno.
In: *Bioelectromagnetics*, Vol. 31, No. 3, 2010, p. 252-254.
Research output: Contribution to journal › Article › Scientific › peer-review

Occupational Exposure to Electric and Magnetic Fields While Working at Switching and Transforming Stations of 110 kV. / Korpinen, Leena; Kuisti, Harri; Pääkkönen, Rauno; Vanhala, Pauli; Elovaara, Jarmo.
In: *Annals of Occupational Hygiene*, Vol. 55, No. 5, 2011, p. 526-536.
Research output: Contribution to journal › Article › Scientific › peer-review

Occupational Exposure to Electric Fields and Currents Associated With 110 kv Substation Tasks. / Korpinen, Leena; Kuisti, Harri A.; Tarao, Hiroo; Elovaara, Jarmo A.
In: *Bioelectromagnetics*, Vol. 33, No. 5, 2012, p. 438-442.
Research output: Contribution to journal › Article › Scientific › peer-review

Occupational exposure to electric fields and induced currents associated with 400 kV substation tasks from different service platforms. / Korpinen, Leena; Elovaara, Jarmo A.; Kuisti, Harri A.
In: *Bioelectromagnetics*, 2011, p. 79-83.
Research output: Contribution to journal › Article › Scientific › peer-review

Occupational Exposure to Extremely Low Frequency Electric Fields in Office Work. / Pääkkönen, Rauno; Tarao, Hiroo; Gobba, Fabriziomaria; Korpinen, Leena.
PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia. Electromagnetics Academy, 2012. p. 823-825 (Progress in Electromagnetics Research Symposium).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Opening of the seminar. / Katko, Tapio S.
2013. Paper presented at 2nd UNECWAS SEMINAR, Tampere, Finland.
Research output: Other conference contribution › Paper, poster or abstract › Scientific

Operationalising the right to water and sanitation and gender equality via appropriate technology in rural Nepal. / White, Pamela; Rautanen, Sanna-Leena; Nepal, Pallab Raj.
Human Rights and Technology. ed. / Mariateresa Garrido Villareal. Costa Rica : University of Peace, Costa Rica, 2017. p. 217-239.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Osuuskunnat mukaan infrastruktuuripolitiikkaan. / Heino, Ossi; Anttiroiko, Ari-Veikko.
In: *Osuustoiminta*, Vol. 105, No. 5, 2014, p. 54-54.
Research output: Contribution to journal › Article › Professional

Pääkaupunkiseudun moderni jätevedenpuhdistus ja Viikinmäen puhdistamo. / Juuti, Petri ; Rajala, Riikka .
Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2010. p. 91-113.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Pääkirjoitus. Veden keskeinen merkitys yhteiskunnassa ja yhdyskunnissa. / Katko, Tapio.
In: *Ympäristöhistoria: Finnish Journal of Environmental History*, Vol. 1, No. 2, 2011, p. 4-7.
Research output: Contribution to journal › Article › Scientific

Pääkirjoitus : Vesihuoltolaitosten tarinat imagon nostajana / Editorial : Relevance of history for current water services management and governance. / Katko, Tapio S.

In: Ympäristöhistoria: Finnish Journal of Environmental History, No. 2, 2013.

Research output: Contribution to journal › Article › Scientific

Päätelmät yhdyskuntajätehuollon markkinainnovaatioista - taustat, kiistat ja sovellukset. / Valkama, Pekka; Heino, Ossi; Kallio, Olavi.

Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa. ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 159-170.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Päijänne-tunneli ja kolmisopimus. / Juuti, Petri ; Rajala, Riikka .

Vesihuoltoyhteistyötä yli rajojen: PK-seudun yhteistyöhankkeet ja yhdistämissuunnitelmat ennen ja nyt Espoon näkökulmasta. ed. / Petri Juuti; Riikka Rajala. University of Tampere, 2009. p. 27-38.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Palo, jano, terveys, hygienia. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.

Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 13-20.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Paperinjalostus- ja pakkaustekniikan tutkimusyksikkö uudistaa kurssitarjontaa. / Lahti, Johanna; Kuusipalo, Jurkka.

In: Anturi, No. 5, 2010, p. 1-1.

Research output: Contribution to journal › Article › General public

Paradigma alternativo : O papel das cooperativas e das autoridades locais. / Hukka, Jarmo J.; Katko, Tapio S.

Politica publica e gestao de servicos de saneamento. ed. / Leo Heller; Jose Esteban Castro. Belo Horizonte; Rio de Janeiro : Editora da Universidade Federal de Minas Gerais (UFMG); Editora Fiocruz, 2013. p. 214-237.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Paradigman jäljillä : Tutkimus vesihuollon ajattelumalleista. / Heino, Ossi.

Tampere : Tampere University of Technology, 2016. 111 p. (Tampere University of Technology. Publication; Vol. 1374).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles. / Vats, Shameek; Rissanen, Marja.

In: Recycling, Vol. 1, No. 1, 30.05.2016, p. 166-177.

Research output: Contribution to journal › Article › Scientific › peer-review

Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China. / Chu, Biwu; Dada, Lubna; Liu, Yongchun; Yao, Lei; Wang, Yonghong; Du, Wei; Cai, Jing; Dällenbach, K. R.; Chen, Xuemeng; Simonen, Pauli; Zhou, Ying; Deng, Chenjuan; Fu, Yueyun; Yin, Rujing; Li, Haiyan; He, Xu Cheng; Feng, Zeming; Yan, Chao; Kangasluoma, Juha; Bianchi, Federico; Jiang, Jingkun; Kujansuu, Joni; Kerminen, Veli Matti; Petäjä, Tuukka; He, Hong; Kulmala, Markku.

In: Science of the Total Environment, Vol. 753, 142207, 2020.

Research output: Contribution to journal › Article › Scientific › peer-review

Particulate Mass and Nonvolatile Particle Number Emissions from Marine Engines Using Low-Sulfur Fuels, Natural Gas, or Scrubbers. / Lehtoranta, Kati; Aakko-Saksa, Päivi; Murtonen, Timo; Vesala, Hannu; Ntziachristos, Leonidas; Rönkkö, Topi; Karjalainen, Panu; Kuittinen, Niina; Timonen, Hilikka.

In: Environmental Science and Technology, Vol. 53, No. 6, 19.02.2019, p. 3315-3322.

Research output: Contribution to journal › Article › Scientific › peer-review

Part I: Early systems and innovations. Ch 3 Introduction: Early cultures and water. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.

2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. / Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 11-16.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Part III: Modern Urban Infrastructure. Ch 20 Introduction. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 509-510.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Part III: Modern Urban Infrastructure. Ch 20 Introduction. / Juuti, Petri S.; Katko, Tapio S.; Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 265-270.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Part III: Modern urban infrastructure. Introduction. / Juuti, P.S.; Katko, T.S.; Vuorinen, H.S.
Environmental History of Water - Global views on community water supply and sanitation. ed. / P.S. Juuti; T.S. Katko;
H.S. Vuorinen. 2007. p. 265-269.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Part II: Period of Slow Development. Ch 8. Introduction: pp. 99-102. Conclusions. / Juuti, Petri S.; Katko, Tapio S.;
Vuorinen, Heikki S.
2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. ed. /
Katko T.S. Juuti P.S.; H.S. Vuorinen. 2007. p. 99-102.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Part V: Comparative Analysis of the Omnipresent Water Fountains. / Hynynen, Ari J.; Juuti, Petri S.; Katko, Tapio S.
Water Fountains in the Worldscape. ed. / J. Hynynen Ari; S. Juuti Petri; S. Katko Tapio. Kangasala : International Water
History Association and Kehrämedia Inc., 2012. p. 137-212.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific

Perfusion characterization using flow simulations and μ PIV measurements. / Kreutzer, Joose; Honkanen, Markus;
Laaksonen, Jaakko; Kallio, Pasi.
Proceedings of the 2nd European Conference on Microfluidics - Microfluidics 2010, Toulouse, December 8-10, 2010.
2010. p. 1-9.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Physical symptoms in young adults and their use of different computers and mobile phones. / Korpinen, Leena;
Pääkkönen, Rauno.
In: International Journal of Occupational Safety and Ergonomics, Vol. 17, No. 4, 2011, p. 361-371.
Research output: Contribution to journal > Article > Scientific > peer-review

Pintavedestä pohjaveteen ja tekopohjaveteen. / Katko, Tapio.
Näkymätönt Porrii. Porin Veden historia. ed. / Petri Juuti; Tapio Katko; Sami Louekari; Riikka Rajala. 2010. p. 236-311.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Planning land use for biogas energy crop production : The potential of cutaway peat production lands. / Laasasenaho,
Kari; Lensu, Anssi; Rintala, Jukka.
In: Biomass & Bioenergy, Vol. 85, 01.02.2016, p. 355-362.
Research output: Contribution to journal > Article > Scientific > peer-review

Plasma-Assisted Fabrication of Fe₂O₃ - Co₃O₄ Nanomaterials as Anodes for Photoelectrochemical Water Splitting. /
Carraro, Giorgio; Maccato, Chiara; Gasparotto, Alberto; Kaunisto, Kimmo; Sada, Cinzia; Barreca, Davide.
In: Plasma Processes and Polymers, Vol. 13, No. 1, 01.01.2016, p. 191-200.
Research output: Contribution to journal > Article > Scientific > peer-review

Pohjavesi, meidän vesi. / Rajala, Riikka .
Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. ed. / Petri Juuti; Riikka Rajala; Pekka Pietilä;
Tapio Katko. TamPub, 2010. p. 110-147.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Pohjoismaiden energiapolitiikka 2030 : Hiilineutraalimpaan energijärjestelmään osin yhdessä, osin eri polkuja pitkin . / Aalto, Pami; Harsia, Pirkko; Heljo, Veli; Holttinen, Hannele; Jaakkola, Iida; Järventausta, Pertti; Kirkinen, Johanna; Kojo, Matti; Konttinen, Jukka; Oksa, Anna M. ; Rönkkö, Topi; Sorri, Jaakko; Toivanen, Pasi.
2016. (EL-TRAN analyysi; Vol. 4/2016).

Research output: Working paper > Discussion paper > Professional

"Poika, nyt lähdettiin hommiin" - vesilaitos syntyy. / Juuti, Petri .

Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia. ed. / Petri Juuti; Riikka Rajala; Pekka Pietilä; Tapio Katko. TamPub, 2010. p. 64-109.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Pollutants source control and health effects. / Kelishadi, Roya; Amin, Mohammad Mehdi; Haghdoost, Ali Akbar; Gupta, Ajay K.; Tuhkanen, Tuula A.

In: Journal of Environmental and Public Health, Vol. 2013, 209739, 2013, p. 1-2.

Research output: Contribution to journal > Article > Scientific > peer-review

Possible Impact of Long and Heavy Vehicles in the United Kingdom—A Commodity Level Approach. / Liimatainen, Heikki ; Greening, Phil; Dadhich, Pratyush; Keyes, Anna.

In: Sustainability, Vol. 10, No. 8, 04.08.2018.

Research output: Contribution to journal > Article > Scientific > peer-review

Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater. / Lay, Chyi-How; Kokko, Marika E.; Puhakka, Jaakko A.

In: Energy, Vol. 91, 01.11.2015, p. 235-241.

Research output: Contribution to journal > Article > Scientific > peer-review

Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles. / Jain, Rohan; Dominic, Domician; Jordan, Norbert; Rene, Eldon R.; Weiss, Stephan; van Hullebusch, Eric D.; Hübner, René; Lens, Piet N L.

In: Chemical Engineering Journal, Vol. 284, 2016, p. 917–925.

Research output: Contribution to journal > Article > Scientific > peer-review

Privatisation of water services in historical context, Mid-1800s to 2004. / Juuti, P.S.; Katko, T.S.; Hukka, J.J.

Environmental History of Water - Global views on community water supply and sanitation. ed. / P.S. Juuti; T.S. Katko; H.S. Vuorinen. 2007. p. 235-257.

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Production of Electricity and Butanol from Microalgal Biomass in Microbial Fuel Cells. / Lakaniemi, Aino-Maija; Tuovinen, Olli H.; Puhakka, Jaakko A.

In: BioEnergy Research, Vol. 5, No. 2, 2012, p. 481-491.

Research output: Contribution to journal > Article > Scientific > peer-review

Production of Oleaginous Microbial Biomass by Reusing Wastewaters. / Marjakangas, Jatta.

Tampere University of Technology, 2015. 58 p. (Tampere University of Technology. Publication; Vol. 1348).

Research output: Book/Report > Doctoral thesis > Collection of Articles

Prologue. / Juuti, Petri S. (Editor); Katko, Tapio S. (Editor); Schwartz, Klaas (Editor).

IWA Publishing, 2013. 3 p.

Research output: Book/Report > Anthology > Scientific > peer-review

Pt-functionalized Fe₂O₃ photoanodes for solar water splitting : the role of hematite nano-organization and the platinum redox state. / Warwick, M. E. A.; Barreca, D.; Bontempi, E.; Carraro, G.; Gasparotto, A.; Maccato, C.; Kaunisto, K.; Ruoko, T. -P.; Lemmetyinen, H.; Sada, C.; Goenuellue, Y.; Mathur, S.

In: Physical Chemistry Chemical Physics, Vol. 17, No. 19, 2015, p. 12899-12907.

Research output: Contribution to journal > Article > Scientific > peer-review

Puurakenteiden uudelleenkäyttömahdollisuudet. / Huuhka, Satu; Köliö, Arto; Annala, Petri; Poti, Antti.
Tampere : Tampere University of Technology, 2018. 63 p. (Muuttuva rakennettu ympäristö; No. 4), (Rakennetekniikka. Tutkimusraportti.; No. 165).
Research output: Book/Report › Commissioned report › Professional

Radon, fungal spores and MVOCs reduction in crawl space house : A case study and crawl space development by hygrothermal modelling. / Kesikuru, T.; Salo, J.; Huttunen, P.; Kokotti, H.; Hyttinen, M.; Halonen, R.; Vinha, J.
In: Building and Environment, Vol. 138, 15.06.2018, p. 1-10.
Research output: Contribution to journal › Article › Scientific › peer-review

Rakennusten energiankulutuksen perusskenaario Suomessa 2015-2050. / Mattinen, Maija; Heljo, Juhani; Savolahti, Mikko.
Helsinki : Suomen ympäristökeskus, 2016. 66 p. (Suomen ympäristökeskuksen raportteja; No. 35/2016).
Research output: Book/Report › Commissioned report › Professional

Rating the impact sound insulation of concrete floors with single-number quantities based on a psychoacoustic experiment. / Kylliäinen, Mikko.
Tampere University, 2019. 80 p. (Tampere University Dissertations; Vol. 93).
Research output: Book/Report › Doctoral thesis › Collection of Articles

Ravinnevisio : Selvitys Pirkanmaan puhdistamolietteiden ja biojätteiden ravinteista ja niiden potentiaalisesta käytöstä. / Mönkäre, Tiina; Kinnunen, Viljami; Tampio, Elina; Ervasti, Satu; Lehtonen, Eeva; Kettunen, Riitta; Rasi, Saija; Rintala, Jukka.
Pirkanmaan ELY-keskus, 2016. 56 p. (Raportteja; No. 74).
Research output: Book/Report › Commissioned report › Professional

Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems. / Nancharaiah, Y. V.; Venkata Mohan, S.; Lens, P. N L.
In: Bioresource Technology, Vol. 215, 09.2016, p. 173–185.
Research output: Contribution to journal › Review Article › Scientific › peer-review

Recycling mine tailings in chemically bonded ceramics - A review. / Kinnunen, Päivö; Ismailov, Arnold; Solismaa, Soili; Sreenivasan, Harisankar; Räisänen, Marja-Liisa; Levänen, Erkki; Illikainen, Mirja.
In: Journal of Cleaner Production, Vol. 174, 2018, p. 634-649.
Research output: Contribution to journal › Review Article › Scientific › peer-review

Recycling potential of post-consumer plastic packaging waste in Finland. / Dahlbo, Helena; Poliakova, Valeria; Mylläri, Ville; Sahimaa, Olli; Anderson, Reetta.
In: Waste Management, Vol. 71, 2018, p. 52-61.
Research output: Contribution to journal › Article › Scientific › peer-review

Reducing CO2 emissions from freight : Recent developments in freight transport in the Nordic countries and instruments for CO2 reductions. / Pinchasik, Daniel; Hovi, Inger Beate; Vierth, Inge; Mellin, Anna; Liimatainen, Heikki; Kristensen, Niels.
NORDIC COUNCIL OF MINISTERS, 2018. 129 p. (Temanord).
Research output: Book/Report › Commissioned report › Professional

Reduction of combustion-generated emissions by means of multiobjective optimization and computational fluid dynamics. / Oksanen, Antti; Saario, Ari J.
CFD & Optimization 2011, Methods and Applications, ECCOMAS Thematic Conference, 23-25 May 2011, Antalya, Turkey. Antalya : ECCOMAS, 2011. p. 1-17 (ECCOMAS Thematic Conference on CFD & Optimization, Methods and Applications).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Relevance of the resilience concept and long-term thinking for WSS providers. / Juuti, Petri; Mattila, Harri; Rajala, Riikka; Schwartz, Klaas; Staddon.
Resilient Water Services and Systems: The Foundation of Well-Being. IWA Publishing. IWA Publishing, 2019. p. 227-236.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Removal of odours in dry toilets by biofiltration. / Palmroth, M.R.T.; Kolha, V.A.; Ramos Garcia, A.; Perrier, L.; Richter, C.; Tuhkanen, T.A.
ECO STP, EcoTechnologies for Wasterwater Treatment, Technical, Environmental & Economic Challenges, Santiago de Compostela, Spain, 25-27 June 2012. International Water Association IWA, 2012. p. 1-4 (EcoTechnologies for Wasterwater Treatment, IWA International Conference).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Replacing centralised waste and sanitation infrastructure with local treatment and nutrient recycling : Expert opinions in the context of urban planning. / Särkilähti, Maarit; Kinnunen, Viljami; Kettunen, Riitta; Jokinen, Ari; Rintala, Jukka.
In: Technological Forecasting and Social Change, Vol. 118, 2017, p. 195-204.
Research output: Contribution to journal > Article > Scientific > peer-review

Requirements for rainfall retention and storage in cold climate. / Inha, Laura; Paavilainen, Päivi; Pietilä, Pekka; Katko, Tapio.
Conference Proceedings. IWRM Integrated Water Resources Management, 24-25 November 2010, Karlsruhe. ed. / Hartwig Steusloff. 2010. p. 343-349.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Resiliency is the key for sustainable water services. / Juuti, Petri; Mattila, Harri; Rajala, Riikka; Schwartz, Klaas; Staddon, Chad.
Resilient Water Services and Systems: The Foundation of Well-Being. IWA Publishing. IWA Publishing, 2019. p. 1-8.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Resilient Asset Management and Governance Fordeteriorating Water Services Infrastructure. / Hukka, Jarmo J.; Katko, Tapio S.
In: Procedia Economics and Finance, Vol. 21, 2015, p. 112-119.
Research output: Contribution to journal > Article > Scientific > peer-review

Resilient Water Services and Systems: The Foundation of Well-Being. / Juuti, Petri (Editor); Mattila, Harri (Editor); Rajala, Riikka (Editor); Schwartz, Klaas (Editor); Staddon, Chad (Editor).
IWA Publishing, 2019.
Research output: Book/Report > Anthology > Scientific > peer-review

Revisiting cellulase production and redefining current strategies based on major challenges Article reference: RSER5103. / Kuhad, Ramesh Chander; Deswal, Deepa; Sharma, Sonia; Bhattacharya, Abhishek; Kumar Jain, Kavish; Kaur, Amandeep; Pletschke, Brett I.; Singh, Ajay; Karp, Matti.
In: Renewable and Sustainable Energy Reviews, Vol. 55, 2016, p. 249-272.
Research output: Contribution to journal > Article > Scientific > peer-review

Revisiting the feasibility of biomass-fueled CHP in future energy systems – Case study of the Åland Islands. / Pääkkönen, Anna; Joronen, Tero.
In: Energy Conversion and Management, Vol. 188, 15.05.2019, p. 66 - 75.
Research output: Contribution to journal > Article > Scientific > peer-review

Rewiring the wax ester production pathway of acinetobacter baylyi ADP1. / Santala, Suvi; Efimova, Elena; Koskinen, Perttu; Karp, Matti Tapani; Santala, Ville.
In: ACS Synthetic Biology, Vol. 3, No. 3, 21.03.2014, p. 145-151.
Research output: Contribution to journal > Article > Scientific > peer-review

"Rocky Fountains" of Keciören, Turkey. / Katko, Tapio S.
Water Fountains in the Worldscape. ed. / J. Hynynen Ari; S. Juuti Petri; S. Katko Tapio. Kangasala : International Water History Association and KehräMedia, 2012. p. 128-131.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

Rural electrification of remote areas - Case studies of two renewable energy projects in Laos and The Philippines. / Mustonen, S.

International Conference on Environment 2008 (ICENV 2008), 15-17 December, 2008, Penang, Malaysia. 2008. p. 8 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Rural energy survey and scenario analysis of village energy consumption: A case study in Lao People's Democratic Republic. / Mustonen, Suvisanna Mariina.

In: Energy Policy, Vol. 38, No. 2, 2010, p. 1040-1048.

Research output: Contribution to journal › Article › Scientific › peer-review

Rural household electricity load profiles with a load simulation tool. / Poudyal, Aditya; Mustonen, Suvisanna; Paatero, Jukka.

International Conference on Applied Energy (ICAE 2010), Energy Solutions for a Sustainable World, 21-23 April 2010, Singapore. 2010. p. 1358-1366.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Rural Water and Sanitation : Community Managed Project Approach for Sustainability in Ethiopia. / Behailu, Beshah Mogesse.

Tampere University of Technology, 2016. 77 p. (Tampere University of Technology. Publication; Vol. 1435).

Research output: Book/Report › Doctoral thesis › Collection of Articles

Saasta : Jätevesien puhdistus ja viemärointi. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.

Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 137-174.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Safety of lead water pipes: history and present. / Vuorinen, Heikki S.; Juuti, Petri S.; Katko, Tapio S.

Water Services Management and Governance : Lessons for a Sustainable Future. ed. / Tapio S. Katko; Petri S. Juuti; Klaas Schwartz; Riikka P. Rajala. IWA Publishing, 2013. p. 89-96.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Sähköautoilla suuri vähennys päästöihin - pian myös kilpailukykyiseen hintaan. / Seppälä, Jyri; Munther, Joonas; Viri, Riku ; Liimatainen, Heikki; Weaver, Sally; Ollikainen, Markku.

Suomen ilmastopaneeli, 2019.

Research output: Book/Report › Commissioned report › Professional

Sähköautoilun edistäminen vaatii latausmahdollisuuksien kehittämistä. / Liimatainen, Heikki; Utriainen, Roni; Viri, Riku.

Suomen ilmastopaneeli, 2018. 7 p.

Research output: Book/Report › Commissioned report › Professional

Sähkö- ja elektroniikkateollisuuden ympäristökysymykset. / Korpinen, Leena; Alanko, Tommi.

Tampereen teknillinen yliopisto, 2011. 120 p. (Tampereen teknillinen yliopisto, Energia- ja prosessiteknikan laitos, Opintomoniste; Vol. 1).

Research output: Book/Report › Book › Professional

Sanitation, water and health. / Rautanen, Sanna-Leena; Luonsi, A.; Nygård, H.; Vuorinen, H.S.; Rajala, R.P.

In: Environment and History, Vol. 16, No. 2, 2010, p. 173-194.

Research output: Contribution to journal › Article › Scientific › peer-review

Sata vuotta Suomen suurimmasta lavantautiepidemiasta. / Juuti, Petri ; Rajala, Riikka.

In: Vesitalous, Vol. 2017, No. 1, 2017, p. 12-14.

Research output: Contribution to journal › Review Article › Scientific › peer-review

Sata vuotta vesihuoltoa Suomessa. / Juuti, Petri; Katko, Tapio S.; Rajala, Riikka.

In: *Vesitalous*, Vol. 58, No. 6, 12.2017, p. 13-15.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Scaling up the treatment of the fine fraction from landfill mining : Mass balance and cost structure. / Mönkäre, Tiina; Palmroth, Marja R.T.; Sormunen, Kai; Rintala, Jukka.

In: *Waste Management*, Vol. 87, 15.03.2019, p. 464-471.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Screening biological methods for laboratory scale stabilization of fine fraction from landfill mining. / Mönkäre, Tiina J.; Palmroth, Marja R. T.; Rintala, Jukka A.

In: *Waste Management*, Vol. 60, 2017, p. 739-747.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Selecting an indigenous microalgal strain for lipid production in anaerobically treated piggery wastewater. / Marjakangas, Jatta M.; Chen, Chun-Yen; Lakaniemi, Aino-Maija; Puhakka, Jaakko A.; Whang, Liang-Ming; Chang, Jo-Shu.

In: *Bioresource Technology*, Vol. 191, 09.2015, p. 369-376.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Self-reported use of ICT (Information and communication technology) uptake in 2002 and discomfort amongst Finns aged 45-66. / Korpinen, Leena; Pääkkönen, Rauno.

In: *Applied Ergonomics*, No. 42, 2010, p. 85-90.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Service Failures of Rural Water Supply Systems in Ethiopia and Their Policy Implications. / Behailu, Beshah M.; Hukka, Jarmo J.; Katko, Tapio S.

In: *Public Works Management & Policy*, Vol. 22, No. 2, 2017, p. 179-196.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Short Global History of Fountains. / Juuti, Petri S.; Antoniou, Georgios P.; Dragoni, Walter; El-Gohary, Fatma; De Feo, Giovanni; Katko, Tapio S.; Rajala, Riikka P.; Zheng, Xiao Yun; Drusiani, Renato; Angelakis, Andreas N.

In: *Water*, Vol. 7, No. 5, 05.2015, p. 2314-2348.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Sidosryhmien näkemykset jätehuollon markkinoistumisesta. / Kallio, Olavi; Heino, Ossi; Valkama, Pekka; Autero, Anniina. *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa.* ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 144-158.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Chapter](#) › [Scientific](#) › [peer-review](#)

Significance of Wild Cards and Weak Signals for Sustainability : Case of Water Services. / Heino, Ossi A.; Takala, Annina J.

Trends and Future of Sustainable Development, Proceedings of the Conference "Trends and Future of Sustainable Development", 9 - 10 June 2011, Tampere, Finland. ed. / Hanna Lakkala; Jarmo Vehmas. Finland Futures Research Centre, University of Turku, 2011. p. 410-422 15 (FFRC eBOOK).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#)

Simulointi nopeuttaa käyttöiän määrittystä. / Ojala, Petteri; Saarenrinne, Pentti; Miettinen, Juha; Multanen, Petteri; Kiilunen, Janne; Hietala, Jukka-Pekka; Kolu, Antti; Pippola, Juha; Mostofizadeh, Milad; Ylönen, Markku.

In: *Promaint*, Vol. 2, 2015, p. 24-27.

Research output: [Contribution to journal](#) › [Article](#) › [Professional](#)

Simultaneous detection of three antiviral and four antibiotic compounds in source-separated urine with liquid chromatography. / Pynnönen, S.T.; Tuhkanen, T. A.

In: *Journal of Separation Science*, Vol. 37, No. 3, 2014, p. 219-227.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater. / Marjakangas, Jatta M.; Chen, Chun Yen; Lakaniemi, Aino Maija; Puhakka, Jaakko A.; Whang, Liang Ming; Chang, Jo Shu.

In: *Biochemical Engineering Journal*, Vol. 103, 05.11.2015, p. 177-184.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa. / Mari, Turunen; Leivo, Virpi; Pekkonen, Maria; Aaltonen, Anu ; Kiviste, Mihkel; Haverinen-Shaughnessy, Ulla.

Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34. SIY SISÄILMATIETO OY, 2016. p. 13-18.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Sleepers. / Luomala, Heikki .

2016, Speaker.

Research output: [Other contribution](#) › [Scientific](#)

Social Norms in Water Services : Exploring the Fair Price of Water. / Heino, Ossi; Takala, Annina.

In: *Water Alternatives*, Vol. 8, No. 1, 2015, p. 844-858.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets. / Espinosa-Ortiz, Erika J.; Shakya, Manisha; Jain, Rohan; Rene, Eldon R.; van Hullebusch, Eric D.; Lens, Piet N. L.

In: *Environmental Science and Pollution Research*, Vol. 23, No. 21, 2016, p. 21619–21630.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Spatial variations in bacterial and archaeal abundance and community composition in boreal forest pine mycorrhizospheres. / Rinta-Kanto, Johanna M.; Timonen, Sari.

In: *EUROPEAN JOURNAL OF SOIL BIOLOGY*, Vol. 97, 103168, 2020.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Stabilization of fine fraction from landfill mining in anaerobic and aerobic laboratory leach bed reactors. / Mönkäre, T. J.; Palmroth, M. R. T.; Rintala, J. A.

In: *Waste Management*, Vol. 45, 2015, p. 468-475.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Stabilization of fine fraction from landfill mining in leach bed reactor. / Mönkäre, T.; Palmroth, M.R.T.; Rintala, J.

Proceedings SUM 2014, Second Symposium on Urban Mining, Bergamo, Italy, 19-21 May, 2014 : Organised by IWWG - International Waste Working Group. CISA Publishers, 2014. p. 1-11.

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#)

Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors. / Taddeo, Raffaele; Lepistö, Raghida.

In: *Water Science and Technology*, Vol. 71, No. 6, 2015, p. 892-897.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Students' Perceived Priorities on Water as a Human Right, Natural Resource, and Multiple Goods. / Rajala, Riikka P.; Katko, Tapio S.; Springe, Gunta.

In: *Sustainability*, Vol. 11, No. 22, 6354, 2019.

Research output: [Contribution to journal](#) › [Article](#) › [Scientific](#) › [peer-review](#)

Study of Aerosols of Black Liquor Combustion. / Leppänen, Aino; Välimäki, Erkki; Oksanen, Antti.

11th International Conference on Energy for Clean Environment, 5-8 July 2011, Lisbon Portugal. Lisbon : Clean Air conference series, 2011. p. 1-11 (International Conference on Energy for Clean Environment).

Research output: [Chapter in Book/Report/Conference proceeding](#) › [Conference contribution](#) › [Scientific](#) › [peer-review](#)

Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematite-Titania Nanocomposite Photoanodes. / Ruoko, Tero Petri; Kaunisto, Kimmo; Bärtsh, Mario; Pohjola, Juuso; Hiltunen, Arto; Niederberger, Markus; Tkachenko, Nikolai V.; Lemmetyinen, Helge.

In: Journal of Physical Chemistry Letters, Vol. 6, No. 15, 08.07.2015, p. 2859-2864.

Research output: Contribution to journal › Article › Scientific › peer-review

Suomen vesihuollon kehitys kansainvälisessä kontekstissa. / Katko, T. S.; Juuti, Petri.

In: Tekniikan Waiheita: Teknik I Tiden, Vol. 36, No. 2, 2018, p. 5-24.

Research output: Contribution to journal › Article › Scientific › peer-review

Sustainability competencies of engineers in the field of water supply and sanitation. / Takala, Annina.

World Sustainable Building Conference SB11, October 18-21, 2011, Helsinki, Finland. Helsinki : RIL - Finnish Association of Civil Engineers, 2011. p. 180-181 (World Sustainable Building Conference SB11; Vol. 2).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries. / Taddeo, Raffaele; Kolppo, Kari; Lepistö, Raghida.

In: Journal of Environmental Management, Vol. 180, 15.09.2016, p. 52-58.

Research output: Contribution to journal › Article › Scientific › peer-review

Syntymä ja kuolema : Laitoksen perustamiseen johtanut kehitys. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.

Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 37-46.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Syytä olla ylpeä. / Hukka, Jarmo J.; Katko, Tapio S.; Pietilä, Pekka P.

In: Kehitys, No. 2, 2011, p. 40-40.

Research output: Contribution to journal › Article › Professional

Taking Water Services to the Next Level : A Paradigm Shift? / Heino, Ossi.

In: Public Works Management & Policy, Vol. 22, No. 1, 2017, p. 12-17.

Research output: Contribution to journal › Comment/debate › Scientific › peer-review

Tammikuun tehopiikki – mitä tapahtui 7.1.2016? Miten tehoa hallitaan paremmin jatkossa? / Heljo, Juhani; Harsia, Pirkko; Holttinen, Hannele; Aalto, Pami; Björkqvist, Tomas; Järventausta, Pertti; Kaivo-oja, Jari; Kojo, Matti; Korpela, Timo; Rautiainen, Antti; Repo, Sami; Ruostetsaari, Ilkka; Sorri, Jaakko.

2016. p. 1-15 (EL-TRAN analyysi; Vol. 7/2016).

Research output: Working paper › Discussion paper › Professional

Tampereelta valmistuneiden vesihuoltoalan diplomi-insinöörin sijoittuminen ja odotukset yliopisto-opetukselle. / Katko, Tapio Sakari; Lukka, Anna; Rajala, Riikka.

In: Vesitalous, No. 2, 2015, p. 45-47.

Research output: Contribution to journal › Article › Professional

Tausta: Jätevedenpuhdistuksen alku, tehtävän määrittely ja keskeiset käsitteet. / Juuti, Petri ; Rajala, Riikka .

Ei jätevedenpuhdistamo minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa. ed. / Petri Juuti; Riikka Rajala. TamPub, 2008. p. 7-18.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Tavoitteena puhdas asuinympäristö. / Juuti, Petri ; Rajala, Riikka .

Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2010. p. 114-134.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner. /

Leppänen, Minna; Sarkkila, J.; Hämäläinen, H.; Rinkinen, J.

Proceedings of the 10th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials WASCON 2018: No Gradle, No Grave - Circular Economy into Practice. ed. / V. Raasakka; P.

Lahtinen. RIL - Finnish Association of Civil Engineers, 2018. p. 168-175.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Technology development theories and water services evolution. / Antila, Kimmo; Katko, Tapio S.; Mattila, Harri.
Water Services Management and Governance : Lessons for a Sustainable Future. ed. / Tapio S. Katko; Petri S. Juuti;
Klaas Schwartz; Riikka P. Rajala. IWA Publishing, 2013. p. 13-27.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Tempoilevasta tiede- ja koulutuspolitiikasta kohti laajempaa näkemystä. / Katko, Tapio S.; Hukka, Jarmo J.
Koulutuksen ja tutkimuksen murros yliopistoissa uuden vuosikymmenen kynnyksellä . ed. / Petri Juuti; Kirsti Uusi-Rasi.
Tampere : Tampereen dosenttiyhdistys, 2017. p. 32-39 (Tampereen dosenttiyhdistyksen julkaisuja).
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Professional

Teräsrumpujen uudet korjausmenetelmät : Halkaistu sisäputki, puolipohjaus ja pohjan betonointi. / Kalliainen, Antti ;
Haakana, Ville ; Korhonen, Matti; Mäkinen, Jari ; Kolisoja, Pauli .
Liikennevirasto, 2016. 70 p. (Liikenneviraston tutkimuksia ja selvityksiä).
Research output: Book/Report > Book > Professional

Testattua tahdistusta. / Korpinen, Leena.
In: Sähkö & Tele, Vol. 85, No. 3, 2012, p. 24-26.
Research output: Contribution to journal > Article > Professional

Testing activity-based costing to large-scale combined heat and power plant using bioenergy. / Korpunen, Heikki; Raiko,
Risto.
In: International Journal of Energy Research, 2013, p. 1-11.
Research output: Contribution to journal > Article > Scientific > peer-review

Test in scala reale su argille sensibili: l'esperienza finlandese. / D'Ignazio, Marco.
5 IAGIG, Incontro Annuale dei Giovani Ingegneri Geotecnici. Rome, 2015.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Professional

The application of HPLC-SEC for the simultaneous characterization of NOM and nitrate in well waters. / Szabo, Hilda;
Tuhkanen, Tuula.
In: Chemosphere, Vol. 80, No. 7, 2010, p. 779-786.
Research output: Contribution to journal > Article > Scientific > peer-review

The Challenge of Aging Infrastructure, Aging Staff and Reflections for Education and Research. / Katko, Tapio S.
2014. Paper presented at 3rd UNECWAS Seminar "Water Services in Development and Society", .
Research output: Other conference contribution > Paper, poster or abstract > Scientific

The designing and the implementation of WWW-course "Electricity, Electronics and Environment" / Korpinen,
Leena; Koskiranta, Minna; Lehtelä, Riitta; Vesapuisto, M.; Tepsa, K.; Puro, H.
In: Elektronika ir Elektrotehnika, Vol. 102, No. 6, 2010, p. 75-78.
Research output: Contribution to journal > Article > Scientific > peer-review

**The doors of operating devices mitigation influence to the electric field exposure at 110kV substation tasks on service
platforms.** / Pääkkönen, Rauno; Lahtinen, Sirke; Korpinen, Leena.
10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy. Rome :
European Bioelectromagnetics Association, 2011. p. 2 p (International Conference European Bioelectromagnetics
Association).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

The effect of anode potential on bioelectrochemical and electrochemical tetrathionate degradation. / L.K. Sulonen, Mira;
Lakaniemi, Aino-Maija; Kokko, Marika E.; Puhakka, Jaakko A.
In: Bioresource Technology, Vol. 226, 02.2017, p. 173-180.
Research output: Contribution to journal > Article > Scientific > peer-review

The effect of climate change on freeze-thaw durability of concrete structures in Finland. / Pakkala, Toni ; Lemberg, Antti-Matti; Lahdensivu, Jukka .

2016. 53 Paper presented at OCEANEXT : Interdisciplinary Conference, .
Research output: Other conference contribution > Paper, poster or abstract > Scientific

The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans. / Pohjola, Jari; Turunen, Jari; Lipping, Tarmo.

2017. 439-440 Paper presented at 4th International Conference on Radioecology & Environmental Radioactivity, Berlin, Germany.

Research output: Other conference contribution > Paper, poster or abstract > Scientific

The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part I : Activity Measurements, Elementary and Surface Analyses. / Kärkkäinen, Marja; Kolli, Tanja; Honkanen, Mari; Heikkinen, Olli; Huuhtanen, Mika; Kallinen, Kauko; Lepistö, Toivo; Lahtinen, Jouko; Vippola, Minnamari; Keiski, Riitta L.

In: Topics in Catalysis, Vol. 58, No. 14, 10.2015, p. 961-970.

Research output: Contribution to journal > Article > Scientific > peer-review

The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part II : Characterization of Structural Changes by Transmission Electron Microscopy. / Honkanen, Mari; Kärkkäinen, Marja; Heikkinen, Olli; Kallinen, Kauko; Kolli, Tanja; Huuhtanen, Mika; Lahtinen, Jouko; Keiski, Riitta L.; Lepistö, Toivo; Vippola, Minnamari.

In: Topics in Catalysis, Vol. 58, No. 14, 10.2015, p. 971-976.

Research output: Contribution to journal > Article > Scientific > peer-review

The effect of torrefaction on the chlorine content and heating value of eight woody biomass samples. / Keipi, Tiina; Tolvanen, Henrik; Kokko, Lauri; Raiko, Risto.

In: Biomass & Bioenergy, Vol. 66, 2014, p. 232-239.

Research output: Contribution to journal > Article > Scientific > peer-review

The effects of improved energy efficiency on indoor environmental quality in multi-family buildings. / Du, Liuliu; Prasauskas, Tadas; Leivo, Virpi ; Turunen, Mari; Kiviste, Mihkel; Martuzevicius, Dainius; Haverinen-Shaughnessy, Ulla. Indoor Air 2016: The 14th international conference of Indoor Air Quality and Climate Ghent, Belgium July 3-8 2016. 2016. 737.

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

The evolving role of water co-operatives in Finland. / Takala, Annina J.; Arvonen, Vesa; Katko, T. S.; Pietilä, Pekka E.; Åkerman, Maria W.

In: International Journal of Co-Operative Management, Vol. 5, No. 2, 2011, p. 11-19.

Research output: Contribution to journal > Article > Scientific > peer-review

The experiences of technical university students on an "environmental health" course. / Gonzalez-Sosa, Jarold; Korpinen, Leena.

EDULEARN12 Proceedings, 4th International Conference on Education and New Learning Technologies, 2-4 July, 2012, Barcelona, Spain. ed. / L. Gomez Chova; I. Candel Torres; A. Lopez Martinez. Barcelona : International Association of Technology, Education and Development IATED, 2012. p. 1586-1592 (International Conference on Education and New Learning Technologies).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

The factors controlling combustion and gasification kinetics of solid fuels. / Tolvanen, Henrik; Kokko, Lauri; Raiko, Risto.

Swedish-Finnish Flame Days, "Challenges in Combustion Technology today", January 26-27, 2011, Sweden. Piteå : IFRF and the Scandinavian-Nordic Section of the Combustion Institute, 2011. p. 1-14 (Swedish-Finnish Flame Days).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

The Fountain A Harbinger of a New Era in Case Tampere. / Hynynen, Ari; Juuti, Petri; Katko, Tapio.

Water Fountains in the Cityscape. Essays in Public Works History. ed. / Ari J. Hynynen; Petri S. Juuti; Tapio S. Katko. Kansas City,MO : Public Works Historical Society, 2011. p. 63-70 (Essays in Public Works History; Vol. 30).

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific

The Mermaid of Helsinki, Finland. / Hynynen, Ari J.; Juuti, Petri S.; Katko, Tapio S.
Water Fountains in the Worldscape. ed. / J. Hynynen Ari; S. Juuti Petri; S. Katko Tapio. Kangasala : International Water History Association and Kehrämedia Inc., 2012. p. 107-111.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

The most difficult at-fault fatal crashes to avoid with current active safety technology. / Koisaari, Tapio; Utriainen, Roni; Kari, Timo; Tervo, Timo.
In: Accident Analysis and Prevention, Vol. 135, No. 2020, 105396, 13.12.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

The need for "champions" in rural water supply. / Katko, Tapio S.
In: Waterlines, Vol. 12, No. 3, 1994, p. 19-22.
Research output: Contribution to journal › Article › Scientific › peer-review

The Possible Exposure of Children to Extremely Low Frequency Magnetic Fields in the Home. / Gobba, Fabriziomaria; Pääkkönen, Rauno; Tarao, Hiroo; Korpinen, Leena.
PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia. Electromagnetics Academy, 2012. p. 286-288 (Progress in Electromagnetics Research Symposium).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The potential of biomethane in replacing fossil fuels in heavy transport-a case study on Finland. / Pääkkönen, Anna; Aro, Kalle; Aalto, Pami; Kontinen, Jukka; Kojo, Matti.
In: Sustainability, Vol. 11, No. 17, 4750, 01.09.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

The potential of electric trucks – An international commodity-level analysis. / Liimatainen, Heikki; van Vliet, Oscar; Aplyn, David.
In: Applied Energy, Vol. 236, 15.02.2019, p. 804-814.
Research output: Contribution to journal › Article › Scientific › peer-review

The role of inorganics in modelling of biomass gasification. / Kontinen, Jukka; Kramb, Jason; DeMartini, Nikolai; Gomez-Barea, Alberto.
EUBCE 2017 Online Conference Proceedings. ed. / L. Ek; H. Ernrooth; N. Scarlat; A. Grassi; P. Helm. ETA-Florence Renewable Energies, 2017. p. 443-447 (European biomass conference and exhibition proceedings).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

The students' feedback on WWW-course "Electricity, Electronics and Environment". / Vesapuisto, M.; Vekara, T.; Korpinen, Leena; Koskiranta, Minna; Lehtelä, Riitta.
In: Elektronika ir Elektrotehnika, Vol. 102, No. 6, 2010, p. 99-102.
Research output: Contribution to journal › Article › Scientific › peer-review

The technical students' feedback from the course issues on environmental health. / Korpinen, Leena; Lehtelä, Riitta; Vesapuisto, Maarit; Vekara, Timo.
Proceedings of the 22nd EAEEIE Annual Conference - EAEEIE 2011, Maribor, Slovenia, June 13-15, 2011. Maribor : University of Maribor, Faculty of Electrical Engineering and Computer Science, 2011. p. 119-123 (EAEEIE Annual Conference).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Tighter contracts or more trust? Outsourcing in Finnish water utilities. / Heino, Ossi; Katko, Tapio S.; Pietilä, Pekka E.
In: Public Works Management and Policy, Vol. 20, No. 4, 2015, p. 360-378.
Research output: Contribution to journal › Article › Scientific › peer-review

To fractionate municipal solid waste incineration bottom ash: Key for utilisation? / Sormunen, Laura Annika; Rantsi, Riina.
In: Waste Management and Research, 2015.
Research output: Contribution to journal › Article › Scientific › peer-review

Toimiva vesihuolto ei ole itsestäänselvyys. / Katko, Tapio S.

In: Promaint, Vol. 29, No. 2, 04.2017, p. 17.

Research output: Contribution to journal › Article › Professional

Towards balanced public-private co-operation in urban water management. / Hukka, Jarmo J.; Katko, Tapio S.; Pietilä, Pekka E.; Seppälä, Osmo T.

In: Journal of Management & Public Policy, Vol. 2, No. 1, 2010, p. 71-81.

Research output: Contribution to journal › Article › Scientific › peer-review

Towards bioproduction of poly- α -olefins from lignocellulose. / Salmela, Milla; Lehtinen, Tapio; Efimova, Elena; Santala, Sui; Santala, Ville.

In: Green Chemistry, Vol. 22, No. 15, 2020, p. 5067-5076.

Research output: Contribution to journal › Article › Scientific › peer-review

Towards enhanced nutrient recovery, biogas production and upgrading through AD and BES integration. / Koskue, Veera; Ledezma, Pablo; Freguia, Stefano; Kokko, Marika.

2019. Paper presented at 16th IWA World Conference on Anaerobic Digestion, Delft, Netherlands.

Research output: Other conference contribution › Paper, poster or abstract › Scientific

Towards the EU emissions targets of 2050 : optimal energy renovation measures of Finnish apartment buildings. /

Hirvonen, Janne; Jokisalo, Juha; Heljo, Juhani; Kosonen, Risto.

In: International Journal of Sustainable Energy, Vol. 38, No. 7, 2019.

Research output: Contribution to journal › Article › Scientific › peer-review

Transient-state operation of an anoxic biotrickling filter for H₂S removal. / Khanongnuch, Ramita; Di Capua, Francesco; Lakaniemi, Aino-Maija; Rene, Eldon R.; Lens, Piet.

In: Journal of Hazardous Materials, Vol. 377, 05.09.2019, p. 42-51.

Research output: Contribution to journal › Article › Scientific › peer-review

Treatment of Composted Soils contaminated with Petroleum Hydrocarbons using Chemical Oxidation followed by Enhanced Aerobic Bioremediation. / Cajal-Marinosa, Paula; Reich, Olga; Mobes, Anja; Tuhkanen, Tuula.

In: Journal of Advanced Oxidation Technologies, Vol. 15, No. 1, 2012, p. 217-223.

Research output: Contribution to journal › Article › Scientific › peer-review

TTY:ssä panostetaan pakkausalaan. / Kuusipalo, Jurkka; Lahti, Johanna.

In: Pakkaus, No. 5, 2010, p. 35-35.

Research output: Contribution to journal › Article › Professional

Tulevaisuuden vesiosaajat. / Takala, Annina; Heinonen, Ulla; Innala, Tuulia; Lundgren, Kati; Mattila, Harri; Vahala, Riku; Vuola, Saija.

In: Vesitalous, Vol. 53, No. 3, 2012, p. 6-7.

Research output: Contribution to journal › Article › Scientific

Tuli : Pelko ja pelastus. / Juuti, Petri ; Rajala, Riikka ; Katko, Tapio S.

Elämän virta: Kajaanin veden historia. ed. / Petri Juuti; Riikka Rajala; Tapio Katko. TamPub, 2009. p. 47-64.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Tuotanto- ja operointi-innovaatiot - case vesihuolto. / Heino, Ossi.

Huomispäivän infrastruktuuri. Kuntaliiton verkkojulkaisu. Acta 240. ed. / Pekka Malinen; Ari-Veikko Anttiroiko; Tero Haahtela; Pentti Siitonen. Suomen Kuntaliitto, 2013. p. 120-138.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Turning up the heat on printability. / Lahti, Johanna; Tuominen, Mikko.

In: Packaging Professional (The Magazine of the Packaging Society), Vol. 33, No. 5, 2010, p. 7-7.

Research output: Contribution to journal › Article › Scientific

Turning up the heat on printability. / Lahti, Johanna; Tuominen, Mikko.

In: *Materials World*, Vol. 18, No. 10, 2010, p. 15-15.

Research output: Contribution to journal › Article › Scientific

Tutkimuksen teoreettinen viitekehys. / Valkama, Pekka; Kallio, Olavi; Heino, Ossi.

Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa. ed. / Pekka Valkama. Tampere : Tampereen yliopisto, Johtamiskorkeakoulu, 2013. p. 16-32.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Tutkimusohjelma Elinkaaritehokas RAta (TERA) : Kokonaisvaltainen ote ratarakennetutkimukseen. / Luomala, Heikki . 2016, Esitelmä.

Research output: Other contribution › Scientific

Tutkimustoiminnalla turvallisuutta ja toimintavarmuutta : päätös panostaa omaan jätevesilaboratorioon. / Juuti, Petri ; Rajala, Riikka .

Ei jätevedenpuhdistamo minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa. ed. / Petri Juuti; Riikka Rajala. TampPub, 2008. p. 77-84.

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Two Years after Donor Funding Ended: Success Factors for Schools to Keep their Urine-Diverting Dry Toilets (UDDTs) Clean and Well Maintained. / Pynnönen, Kirsikka; Tuhkanen, Tuula; Rieck, C.; von Munch, E.

Dry Toilet Conference 2012, 4th International Dry Toilet Conference, Full Papers, 22-24 August 2012, Tampere, Finland. Helsinki : Global Dry Toilet Association of Finland, 2012. p. 1-10 (International Dry Toilet Conference).

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä. / Korpinen, Leena.

Tampereen teknillinen yliopisto, 2011. 62 p. (Tampereen teknillinen yliopisto. Energia- ja prosessiteknikan laitos. Raportti; Vol. 192).

Research output: Book/Report › Commissioned report › Professional

Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon? / Heino, Ossi.

In: *Promaint*, Vol. 26, No. 5, 2012, p. 10-12.

Research output: Contribution to journal › Article › Professional

Understanding sustainable development in Finnish water supply and sanitation services. / Takala, Annina.

In: *International Journal of Sustainable Built Environment*, Vol. 6, No. 2, 12.2017, p. 501-512.

Research output: Contribution to journal › Article › Scientific › peer-review

Unipoli Green - Four Universities Working Together for Sustainability. / Asikainen, Eveliina; Hellman, Sannamari;

Parjanen, Lotta; Puputti, Marika; Raatikainen, Saana; Schroderus, Marjut.

Handbook of Theory and Practice of Sustainable Development in Higher Education: Volume 3. ed. / Walter Leal Filho; Mark Mifsud; Chris Shiel; Rudi Pretorius. Springer International Publishing, 2016. p. 257-273 (World Sustainability Series).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Unsteady computational methods to study jet behaviour in large fluidized bed boiler. / Tiitinen, Kalle; Ylitälo, Matti; Oksanen, Antti.

AFRC 2010 Pacific Rim Combustion Symposium, September 26-29, 2010 Sheraton Maui, Hawaii. 2010. p. 1-22.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Urban water conflicts in recent European history: Changing interactions between technology, environment and society. /

Barraque, Bernard; Juuti, Petri S.; Katko, Tapio S.

Urban water conflicts. ed. / Bernard Barraque. Taylor & Francis and UNESCO Publishing; A Balkema book, 2012. p. 15-32 (Urban water series, UNESCO IHP; Vol. 7).

Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Use of analytical expressions of convection in conjugated heat transfer problems. / Karvinen, Reijo.
Proceedings of the International Heat Transfer IHTC-14, August 8-13, 2010, Washington DC, USA. ASME, 2010. p. 1-13.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Use of diluted urine for cultivation of *Chlorella vulgaris*. / Jaatinen, Sanna; Lakaniemi, Aino-Maija; Rintala, Jukka.
In: Environmental Technology, Vol. 37, No. 9, 2016, p. 1159-1170.
Research output: Contribution to journal › Article › Scientific › peer-review

Use of factorial experimental design to study the effects of iron and sulfur on growth of *Scenedesmus acuminatus* with different nitrogen sources. / Tao, Ran; Bair, Robert; Lakaniemi, Aino Maija; van Hullebusch, Eric D.; Rintala, Jukka A.
In: Journal of Applied Phycology, 2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Utilising alternative fuels and technologies in city buses. / Judl, Jáchym; Mäkinen, Johanna.
Suomen ympäristökeskus (SYKE), 2019. 4 p.
Research output: Book/Report › Commissioned report › Professional

Utility–Customer Communication : The Case of Water Utilities. / Heino, Ossi; Anttiroiko, Ari-Veikko.
In: Public Works Management and Policy, Vol. 21, No. 3, 2015, p. 220-230.
Research output: Contribution to journal › Article › Scientific › peer-review

Utilizing Gelatinized Starchy Waste from Rice Noodle Factory as Substrate for L(+)-Lactic Acid Production by Amyolytic Lactic Acid Bacterium *Enterococcus faecium* K-1. / Unban, Kridsada; Khanongnuch, Ramita; Kanpiengjai, Apinun; Shetty, Kalidas; Khanongnuch, Chartchai.
In: Applied Biochemistry and Biotechnology, 05.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Uuden vuosituhatosen tiennäyttäjät – HS-Veden alkutaival. / Juuti, Petri ; Rajala, Riikka .
Vinttikaivosta vesiyhtiöön. ed. / Petri Juuti; Riikka Rajala. Saarijärvi : TamPub, 2011. p. 177-222.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol. / Kainulainen, Tuomo P.; Sirviö, Juho A.; Sethi, Jatin; Hukka, Terttu I.; Heiskanen, Juha P.
In: Macromolecules, Vol. 51, No. 5, 21.02.2018, p. 1822-1829.
Research output: Contribution to journal › Article › Scientific › peer-review

UV irradiation for Micropollutant removal from aqueous solution in the presence of H₂O₂. / Tuhkanen, Tuula A.; Cajal Marinosa, Paula.
Treatment of Micropollutants in Water and Wastewater. Integrated Environmental Technology Series. ed. / Jurate Virkutyte; Rajander Varma; Veeriah Jegatheesan. 2010. p. 295-320.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Vaatimus paremmasta puhdistustuloksesta ohjaa jätevedenpuhdistuksen päätöksentekoa. / Juuti, Petri ; Rajala, Riikka .
Ei jätevedenpuhdistamoa minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa. ed. / Petri Juuti; Riikka Rajala. TamPub, 2008. p. 65-72.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Vaihtoehtoisten käyttövoimien hyödyntäminen kaupunkiliikenteen linja-autoissa. / Judl, Jáchym; Mäkinen, Johanna.
Suomen ympäristökeskus (SYKE), 2019. 4 p.
Research output: Book/Report › Commissioned report › Professional

Valkea kaupunki, mustat vedet. / Juuti, Petri ; Rajala, Riikka.
In: Vesitalous, Vol. 2017, No. 1, 2017, p. 15-17.
Research output: Contribution to journal › Review Article › Scientific › peer-review

Valorization of Finnish mining tailings for use in the ceramics industry. / Solismaa, Soili; Ismailov, Arnold; Karhu, Marjaana; Sreenivasan, Harisankar; Lehtonen, Marja; Kinnunen, Päivö; Illikainen, Mirja; Räisänen, Marja-Liisa.
In: BULLETIN OF THE GEOLOGICAL SOCIETY OF FINLAND, Vol. 90, No. 1, 2018, p. 33-54.
Research output: Contribution to journal › Article › Scientific › peer-review

Values and Attitudes in Engineering Education. / Korhonen-Yrjänheikki, Kati; Takala, Annina; Mielityinen, Ida.
It's just People with People - Views of Corporate Social Responsibility. Aalto University Publication Series Crossover. ed.
/ Pia Lappalainen. 2011. p. 65-83.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific

Vanhuus uhkaa vesihuoltoa. / Katko, Tapio.
In: Aamulehti, 2013, p. B16-B16.
Research output: Contribution to journal › Article › General public

Vapor phase processing of α -Fe₂O₃ photoelectrodes for water splitting : An insight into the structure/property interplay. / Warwick, Michael E A; Kaunisto, Kimmo; Barreca, Davide; Carraro, Giorgio; Gasparotto, Alberto; Maccato, Chiara; Bontempi, Elza; Sada, Cinzia; Ruoko, Tero-Petri; Turner, Stuart; Van Tendeloo, Gustaaf.
In: ACS Applied Materials and Interfaces, Vol. 7, No. 16, 2015, p. 8667-8676.
Research output: Contribution to journal › Article › Scientific › peer-review