

**5th IWHA Conference. Tampere Finland 2007. Pasts and Futures of Water. University of Tampere 13-17 June 2007**  
Hautamäki, I. (ed.), Juuti, P. (ed.), Katko, T. (ed.), Rajala, R. (ed.) & Vinnari, E. (ed.), 2007, Unknown Publisher.  
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, M., Kärkkäinen, M., Kolli, T., Heikkinen, O., Viitanen, V., Zeng, L., Jiang, H., Kallinen, K., Huuhtanen, M., Keiski, R. L., Lahtinen, J., Olsson, E. & Vippola, M., 2016, In : Applied Catalysis B-Environmental. p. 439-448 10 p.  
Research output: Contribution to journal > Article > Scientific > peer-review

**Acceptability of contaminated soils and waste materials in landfill structures**

Leppänen, M. M. & Kuula, P., 2016.

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, S-L., 18 Mar 2016, Tampere University of Technology. 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, L. & Pääkkönen, R., 2012, In : Accident Analysis and Prevention. 45, 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, S., Rinta-Kanto, J., Kettunen, R., Lens, P., Collins, G., Kokko, M. & Rintala, J., 2019, In : ARCHAEA. 2019, 1751783.

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

**Acid Leaching of Cu and Zn from a Smelter Slag with a Bacterial Consortium**

Tuovinen, O. H., Särkijärvi, S., Peuraniemi, E., Junnikkala, S., Puhakka, J. A. & Kaksonen, A. H., 2015, In : Advanced Materials Research. 1130, p. 660-663 4 p.

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, L., Kuisti, H., Pääkkönen, R. & Gobba, F., 2012, *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, (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, P., Korpinen, L. & Pääkkönen, R., 2010, In : Journal of Usability Studies. 5, 3, p. 111-123 13 p.

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

**Adaptation of Black Carbon Footprint concept would accelerate mitigation of global warming**

Timonen, H., Karjalainen, P., Aalto, P., Saarikoski, S., Mylläri, F., Karvosenoja, N., Jalava, P., Asmi, E., Aakko-Saksa, P., Saukkonen, N., Laine, T., Saarnio, K., Niemelä, N., Enroth, J., Väkevä, M., Oyola, P., Pagels, J., Ntzachristos, L., Cordero, R., Kuittinen, N., Niemi, J. V. & Rönkkö, T., 2019, In : Environmental Science and Technology. 53, 21, p. 12153-12155

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

**A decade of Finnish engineering education for sustainable development**

Takala, A. & Korhonen-Yrjänheikki, K., 2019, In : INTERNATIONAL JOURNAL OF SUSTAINABILITY IN HIGHER EDUCATION. 20, 1, p. 170-186

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

#### **Adjoint-based optimization in the development of low-emission industrial boilers**

Kanellis, G., Oksanen, A. & Konttinen, J., 2020, In : *Engineering Optimization*. 21 p.  
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, H., Tuominen, M., Aromaa, M., Kuusipalo, J., Mäkelä, J. & Toivakka, M., 2010, *2010 TAPPI Advanced Coating Fundamentals Symposium, October 11-13, 2010, Munich, Germany*. 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, M., Saarinen, J. J., Teisala, H., Tuominen, M., Aromaa, M., Kuusipalo, J., Mäkelä, J. M. & Toivakka, M., 2011, In : *Applied Surface Science*. 257, 6, 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, B., 10 Dec 2019, Tampere University. 73 p.  
Research output: Book/Report › Doctoral thesis › Collection of Articles

#### **Airtightness of residential buildings in Finland**

Vinha, J., Manelius, E., Korpi, M., Salminen, K., Kurnitski, J., Kiviste, M. & Laukkarinen, A., 1 Nov 2015, In : *Building and Environment*. 93, P2, p. 128-140 13 p.  
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, M., Hongisto, V., Oliva, D. & Rekola, L., Aug 2016, *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), p. 894-902 9 p. 193  
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

#### **Älypölkky, radan monitorointi, kreosoottipölkyn korvaavat vaihtoehdot**

Luomala, H., 29 Nov 2016  
Research output: Other contribution › Scientific

#### **A method for design of sound insulation of glazed balconies against traffic noise**

Kovalainen, V., Kylliäinen, M. & Huhtala, T., Aug 2016, *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), p. 3834-3841 8 p. 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, L., 2014, Tampere: Tampere University of Technology. 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, E., Ervasti, S., Paavola, T., Heaven, S., Banks, C. & Rintala, J., 2014, In : *Waste Management*. 34, 2, p. 370-377 8 p.  
Research output: Contribution to journal › Article › Scientific › peer-review

#### **A national collaboration process: Finnish engineering education for the benefit of people and environment**

Takala, A. & Korhonen-Yrjänheikki, K., 2013, In : *Science and Engineering Ethics*. 19, 4, p. 1557-1569  
Research output: Contribution to journal › Article › Scientific › peer-review

#### **An example of exposure to magnetic fields in the home**

Österholm, L., Pääkkönen, R., Lehtelä, R., Holm, A. & Korpinen, L., 2010, *Bioelectromagnetics Society 32nd Annual Meeting (BEMS), June 14-18, 2010, Seoul, Korea*. p. 1-2 2 p.

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 N<sub>2</sub>/O<sub>2</sub>, CO<sub>2</sub>/O<sub>2</sub>, and N<sub>2</sub>/CO<sub>2</sub>/O<sub>2</sub> atmospheres**

Tolvanen, H. & Raiko, R., 2014, In : *Fuel*. 124, p. 190-201 12 p.

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

#### **Anxiety vs reality – Sufficiency of battery electric vehicle range in Switzerland and Finland**

Melliger, M., van Vliet, O. P. R. & Liimatainen, H., 23 Aug 2018, In : *TRANSPORTATION RESEARCH PART D: TRANSPORT AND ENVIRONMENT*. 65, p. 101-115 15 p.

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

#### **Application oriented wear testing of wear resistant steels in mining industry**

Ojala, N., Nov 2016.

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

#### **Appropriate pricing policy needed worldwide for improving water services infrastructure**

Hukka, J. J. & Katko, T. S., 1 Jan 2015, In : *Journal American Water Works Association*. 107, 1, p. E37-E46

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

#### **A recombinant Escherichia coli sensor strain for the detection of tetracyclines**

Korpela, M. T., Kurittu, J. S., Karvinen, J. T. & Karp, M. T., 1 Nov 1998, In : *Analytical Chemistry*. 70, 21, p. 4457-4462 6 p.

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, A. & Korhonen-Yrjänheikki, K., 1 Jun 2015, *Conference on Engineering Education for Sustainable Development (7th : 2015 : Vancouver, B.C.)*.

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, H., Keskinen, R., Heikkinen, J., Hyväluoma, J., Uusitalo, R., Peltoniemi, K., Velmala, S., Pennanen, T., Fritze, H., Kaseva, J., Hannula, M. & Rasa, K., 20 Aug 2020, In : *Science of the Total Environment*. 731, 138955.

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, A., Loukola-Ruskeeniemi, K., Tarvainen, T., Hatakka, T., Härmä, P., Backman, B., Ketola, T., Kuula, P., Lehtinen, H., Sorvari, J., Pyy, O., Ruskeeniemi, T. & Luoma, S., 1 Nov 2015, In : *Earth-Science Reviews*. 150, p. 709-723 15 p.

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

#### **Asiakkaat, verkostot ja henkilöstö**

Rajala, R., 2010, *Näkymätöntä Porii: Porin Veden historia*. Juuti, P., Katko, T., Louekari, S. & Rajala, R. (eds.). TamPub, p. 370-491

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

#### **ASROCKS-Hankkeen heikkouuttomenetelmien vertailu**

Tarvainen, T., Hatakka, T., Backman, B., Ketola, T. & Härmä, P., 2014, *GEOLOGIAN TUTKIMUSKESKUS*. 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, A., Pawar, S. S., Santala, V., Karp, M. & van Niel, E. W. J., 28 Mar 2014, In : *Microbial Cell Factories*. 13, 1, 48.

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, H. M., 6 Mar 2020, Tampere University. (Tampere University Dissertations; vol. 224)

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

### **Asset Life Cycle Management in Finnish Water Utilities**

Rajala, R. & Hukka, J., 2018, In : JOURNAL OF WATER RESOURCE AND PROTECTION. 10, 6, p. 587-595 9 p.

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

### **Asteittain kohti keskitettyä jätevedenpuhdistusta**

Katko, T., 2010, *Näkymätönt Porrii. Porin Veden historia*. Juuti, P., Katko, T., Louekari, S. & Rajala, R. (eds.). 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, A., Keskinen, J., Kortelainen, M., Lamberg, H. & Jokiniemi, J., 2015, *European Aerosol Conference 2015: EAC 2015, Milan, Italy*. 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 N<sub>2</sub>/O<sub>2</sub> and CO<sub>2</sub>/O<sub>2</sub> atmospheres, particle geometry analysis, and numerical kinetics modeling**

Toivanen, H., Keipi, T. & Raiko, R., 2016, In : Fuel. 176, p. 153-164

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

### **Atmospheric plasma enhanced hybrid barrier films through reel-to-reel process**

Nikkola, J., Mannila, J., Vartiainen, J., Tuominen, M. & Nättinen, K., 2010, *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*. p. 1-11 11 p.

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

### **Autolaskurin käyttöopas ja laskennan perusteet**

Seppälä, J., Munther, J., Viri, R., Liimatainen, H., Weaver, S. & Ollikainen, M., 13 Dec 2019, 2019 ed. Suomen ilmastopaneeli.

Research output: Book/Report › Commissioned report › Professional

### **Bacterial community transcription patterns during a marine phytoplankton bloom**

Rinta-Kanto, J. M., Sun, S., Sharma, S., Kiene, R. P. & Moran, M. A., Jan 2012, In : Environmental Microbiology. 14, 1, p. 228-239 12 p.

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, O. E., Härkki, H. A., Palmroth, M. R. T. & Tuhkanen, T. A., 2014, In : Environmental Technology. p. 681-692 12 p.

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

### **Ballast bed**

Luomala, H., 24 Nov 2016

Research output: Other contribution › Scientific

### **Betonielementtien uudelleenkäyttömahdollisuudet**

Lahdensivu, J., Huuhka, S., Annala, P., Pikkuvirta, J., Köliö, A. & Pakkala, T., 2015, Tampere: Tampereen teknillinen yliopisto. Rakennustekniikan laitos. 78 p. (Tampereen teknillinen yliopisto. Rakennustekniikan laitos. Rakennetekniikka. Tutkimusraportti; vol. 162)

Research output: Book/Report › Commissioned report › Professional

### **Betonirakenteiden korjaushjeet 2016, by 41**

Köliö, A., Pakkala, T., Lahdensivu, J. & Pentti, M., May 2016, Suomen Betoniyhdistys r.y. 115 p.  
Research output: Book/Report > Book > Professional

### **Bilateral collaboration in municipal water and wastewater services in Finland**

Kurki, V. O., Katko, T. S. & Pietilä, P. E., 2010, In : *Water*. 2, 4, 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, S., 23 May 2019, Tampere University. 79 p. (Tampere University Dissertations)  
Research output: Book/Report > Doctoral thesis > Collection of Articles

### **Bioenergy consumption and biogas potential in Cambodian households**

Mustonen, S., Raiko, R. & Luukkanen, J., 2013, In : *Sustainability*. 5, 5, p. 1875-1892 17 p.  
Research output: Contribution to journal > Article > Scientific > peer-review

### **Biofiltration of odours in dry toilet air**

Palmroth, M. R. T., Kolha, V., Ramos Garcia, A., Richter, C., Crosnier, F., Perrier, L. & Tuhkanen, T., 2013, *Biotechniques for air pollution control and bioenergy*. Malhautier, L. (ed.). Paris: Presses des MINES, p. 291-297 7 p.  
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, A-M., Hulatt, C. J., Thomas, D. N., Tuovinen, O. H. & Puhakka, J. A., 2011, In : *Biotechnology for Biofuels*. 4, 1, p. 1-12 12 p., 34.  
Research output: Contribution to journal > Article > Scientific > peer-review

### **Biogenic hydrogen and methane production from reed canary grass**

Lakaniemi, A-M., Koskinen, P. E. P., Nevatalo, L. M., Kaksonen, A. H. & Puhakka, J. A., 2011, In : *Biomass & Bioenergy*. 35, 2, 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, S., Palmroth, M. & Rintala, J., 2013, *Biotechniques for air pollution control and bioenergy*. Luc, M. (ed.). Paris: Presses des MINES, p. 65-72 8 p.  
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

### **Biological Nitrogen Removal from Acidic, Heavy-metal Containing Waters**

Zou, G., 2015, Tampere: Tampere University of Technology. 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, S., Deswal, D., Karp, M. & Kuhad, R. C., 15 May 2014, In : *Fuel*. 124, p. 183-189 7 p.  
Research output: Contribution to journal > Article > Scientific > peer-review

### **Biovalorisation of liquid and gaseous effluents of oil refinery and petrochemical industry**

Chakraborty, S., 12 Dec 2019, Tampere University. 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., 2007, *Environmental History of Water - Global views on community water supply and sanitation*. Juuti, P. S., Katko, T. S. & Vuorinen, H. S. (eds.). 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., 2010, In : Public Works Management & Policy, Vol. 14, Nr 4, April 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, T. S., 2014, In : Water Alternatives. 7, 1, p. 273-274 2 p.

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, T. S. & Rajala, R. P., 2019, In : Public Works Management & Policy. 24, 2, 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, L., Matsumoto, T. & Isaka, K., 2011, *ISH 2011, 17th International Symposium on High Voltage Engineering, August 22-26, 2011, Hannover, Germany*. Gockenbach, E., Eichler, C., Mohsen, F., Fischer, M., Gratz, O., Pham, K. & Zhang, X. (eds.). Hannover: Leibnitz Universität Hannover, 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, R. J., Hadipour, A., Kastinen, T., Vivo, P., Hukka, T. I., Aernouts, T. & Heiskanen, J. P., 8 Nov 2017, In : Dyes and Pigments. 150, p. 79-88 10 p., j.dyepig.2017.11.014.

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

**Cardiac Pacemakers in Electric and Magnetic Fields of 400-kV Power Lines**

Korpinen, L., Kuisti, H., Elovaara, J. & Virtanen, V., 2012, In : PACE: Pacing and Clinical Electrophysiology. 35, 4, p. 422-430

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

**Career paths of experts on water supply and sanitation services**

Takala, A. J., 2012, *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, p. 1-6 6 p. 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., 15 Jun 2015, In : Fuel. 150, p. 464-472 9 p.

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

**CFD Based Modelling for Predicting Fouling and Corrosion in Kraft Recovery Boilers**

Leppänen, A., Välimäki, E. & Oksanen, A., 2011, *19th European Biomass Conference and Exhibition, 6-10 June 2011, Berlin Germany*. Berlin: European Biomass Conference and Exhibition, 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, A., Välimäki, E., Oksanen, A. & Tran, H., 2013, In : TAPPI Journal. 12, 3, p. 25-32 8 p.

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

**CFD-Modeling of Fume Formation in Kraft Recovery Boilers**

Leppänen, A., Välimäki, E., Oksanen, A. & Tran, H., 2012, *TAPPI PEERS Conference Proceedings 14.-18.10.2012, Savannah, USA*. TAPPI, (TAPPI PEERS Conference).

### **Challenges to Finnish water and wastewater services in the next 20-30 years**

Heino, O. A., Takala, A. J. & Katko, T. S., 2011, In : E-Water. p. 1-20 20 p., 2011/01.

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

### **Changing energy production structures and CO<sub>2</sub> 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., 2008, *International Conference on Energy Security and Climate Change: Issues, Strategies, and Options (ESCC 2008). 6-8 August 2008, Bangkok, Thailand.* 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, E., Ervasti, S. & Rintala, J., 1 May 2015, In : Journal of Cleaner Production. 94, p. 86-92 7 p.

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

### **Characterization and biological stabilization of fine fraction from landfill mining**

Mönkäre, T., 23 Feb 2018, Tampere University of Technology. 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., 2014, *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

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

### **Characterization of fine fraction mined from two Finnish landfills**

Mönkäre, T. J., Palmroth, M. R. T. & Rintala, J. A., 2016, In : Waste Management. 47A, p. 34-39 6 p.

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

### **Chasing measurements for real-world emissions of city buses**

Järvinen, A., Karjalainen, P., Bloss, M., Potila, O., Simonen, P., Kuuluvainen, H., Timonen, H., Saarikoski, S., Niemi, J. V., Keskinen, J. & Rönkkö, T., 2017.

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

### **CO<sub>2</sub> reduction costs and benefits in transport: socio-technical scenarios**

Liimatainen, H., Pöllänen, M. & Viri, R., 21 Dec 2018, In : European Journal of Futures Research. 2018, 6:22, 12 p.

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

### **Coal char combustion in O<sub>2</sub>/N<sub>2</sub> and O<sub>2</sub>/CO<sub>2</sub> conditions in a drop tube reactor: an optical study**

Rodriguez Avila, M., Honkanen, M., Raiko, R. & Oksanen, A., 2012, In : Industrial Combustion. p. 1-22 22 p., 201201.

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, L. A., Kalliainen, A., Kolisoja, P. & Rantsi, R., 22 Aug 2016, In : Waste and Biomass Valorization. 12 p.

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., 2016, *Proceedings of the 17th Nordic Geotechnical Meeting Reykjavik Iceland: Challenges in Nordic Geotechnic 25th - 28th of May.* Reykjavik: Icelandic Geotechnical Society, 10 p.

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

### **Comparative analysis and discussion**

Juuti, P. S. & Katko, T. S., 2005, *Water, Time and European Cities. History matters for the Futures*. Juuti, P. S. & Katko, T. S. (eds.). Tampere: Tampere University Press, 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, L., Tolvanen, H., Hämäläinen, K. & Raiko, R., 2012, In : *Biomass & Bioenergy*. 42, Jul, 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, L., Lahtinen, S. & Gobba, F., 2011, *10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy*. Rome: European Bioelectromagnetics Association, p. 2 p (International Conference European Bioelectromagnetics Association).

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### **Comparison of air pressure difference, air change rates, and CO2 concentrations in apartment buildings before and after energy retrofits**

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

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### **Comparison of the total mercury content in sediment samples with a mercury sensor bacteria test and *Vibrio fischeri* toxicity test**

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

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

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

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

### **Conclusions**

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

### **Conclusions: Does History Matter? Present Water Governance Challenges and Future Implications**

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

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

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

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

### **Fe<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation**

Barreca, D., Carraro, G., Gasparotto, A., Maccato, C., Warwick, M. E. A., Kaunisto, K., Sada, C., Turner, S., Gönüllü, Y., Ruoko, T-P., Borgese, L., Bontempi, E., Van Tendeloo, G., Lemmetyinen, H. & Mathur, S., 2015, In : *Advanced Materials Interfaces*. 2, 17

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### **Finland's Water Services: Looking to its Past to Figure Out its Future.**

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### **Finnish water services: Experiences in global perspective**

Katko, T. S., 4 Nov 2016, Helsinki: Finnish Water Utilities Association. 288 p.

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

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### **Fire, Thirst, Health and Hygiene: Root Causes for the Introduction of Water Supply and Sanitation in Kajaani**

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### **Flotaatiokennon injektorin diffuusori**

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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., 1 Mar 2015, In : *Bioresource Technology*. 179, p. 284-290 7 p.

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

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

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### **Gender comparison - The university students' exam results in the environmental and energy area**

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Research output: Contribution to journal › Article › Professional

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### **Saasta: Jätevesien puhdistus ja viemäröinti**

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Research output: Book/Report > Book > Professional

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

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Juuti, P. & Rajala, R., 2017, In : *Vesitalous*. 2017, 1, p. 12-14 3 p.

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

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Marjakangas, J. M., Chen, C-Y., Lakaniemi, A-M., Puhakka, J. A., Whang, L-M. & Chang, J-S., Sep 2015, In : *Bioresource Technology*. 191, p. 369-376 8 p.

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Korpinen, L. & Pääkkönen, R., 2010, In : *Applied Ergonomics*. 42, p. 85-90

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Behailu, B. M., Hukka, J. J. & Katko, T. S., 2017, In : *Public Works Management & Policy*. 22, 2, p. 179-196  
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Research output: Contribution to journal › Article › Scientific › peer-review

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### **Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater**

Marjakangas, J. M., Chen, C. Y., Lakaniemi, A. M., Puhakka, J. A., Whang, L. M. & Chang, J. S., 5 Nov 2015, In : *Biochemical Engineering Journal*. 103, p. 177-184 8 p.  
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Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

### **Tuotanto- ja operointi-innovaatiot - case vesihuolto**

Heino, O., 2013, *Huomispäivän infrastruktuuri. Kuntaliiton verkkojulkaisu. Acta 240*. Malinen, P., Anttiroiko, A-V., Haahtela, T. & Siitonen, P. (eds.). Suomen Kuntaliitto, p. 120-138 19 p.

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

### **Turning up the heat on printability**

Lahti, J. & Tuominen, M., 2010, In : Packaging Professional (The Magazine of the Packaging Society). 33, 5, p. 7-7

Research output: Contribution to journal › Article › Scientific

### **Turning up the heat on printability**

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### **Tutkimuksen teoreettinen viitekehys**

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

### **Tutkimusohjelma Elinkaaritehokas RAta (TERA): Kokonaisvaltainen ote ratarakennetutkimukseen**

Luomala, H., 15 Nov 2016

Research output: Other contribution › Scientific

### **Tutkimustoiminnalla turvallisuutta ja toimintavarmuutta: päätös panostaa omaan jätevesilaboratorioon**

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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**

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### **Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä**

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Research output: Book/Report › Commissioned report › Professional

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Research output: Contribution to journal › Article › Professional

### **Understanding sustainable development in Finnish water supply and sanitation services**

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

### **Unipoli Green - Four Universities Working Together for Sustainability**

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

### **Unsteady computational methods to study jet behaviour in large fluidized bed boiler**

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

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

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Research output: Book/Report › Commissioned report › Professional

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

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Research output: Book/Report > Commissioned report > Professional

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### **Valorization of Finnish mining tailings for use in the ceramics industry**

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### **Values and Attitudes in Engineering Education**

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### **Vapor phase processing of $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> photoelectrodes for water splitting: An insight into the structure/property interplay**

Warwick, M. E. A., Kaunisto, K., Barreca, D., Carraro, G., Gasparotto, A., Maccato, C., Bontempi, E., Sada, C., Ruoko, T-P., Turner, S. & Van Tendeloo, G., 2015, In : *ACS Applied Materials and Interfaces*. 7, 16, p. 8667-8676 10 p.

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