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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

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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

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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

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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

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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.
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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

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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

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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

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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

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

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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: 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?

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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

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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

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

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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

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

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

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

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

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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

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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

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

Ballast bed

Luomala, H., 24 Nov 2016

Research output: Other contribution › Scientific

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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

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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 > Chapter > Scientific > peer-review

Biogenic hydrogen and methane production from *Chlorella vulgaris* and *Dunaliella tertiolecta* biomass

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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

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

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

Birth and expansion of public water supply and sanitation in Finland until World War II

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

Book Review: Graham, S. (Ed.), Disrupted Cities: When Infrastructure Fails

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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

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Research output: Contribution to journal > Article > Scientific

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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

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

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

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

Career paths of experts on water supply and sanitation services

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

Catalytic effect of Ca and K on CO2 gasification of spruce wood char

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

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

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CFD-modeling of fume formation in kraft recovery boilers

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

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

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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

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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

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

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

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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

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Coal char combustion in O2/N2 and O2/CO2 conditions in a drop tube reactor: an optical study

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

Combining mineral fractions of recovered MSWI bottom ash: improvement for utilization in civil engineering structures

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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

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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

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

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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

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

Comparison of community managed projects and conventional approaches in rural water supply of Ethiopia

Behailu, B. M., Suominen, A., Katko, T. S., Mattila, H. & Yayehyirad, G., 30 Sep 2016, In : *African Journal of Environmental Science and Technology*. 10, 9, p. 292-306 15 p., 04AF23059936.

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, J. O., Karp, M. T., Juvonen, R., Virta, M. P. J. & Nurmi, J., Dec 2000, In : *Environmental Toxicology*. 15, 5, p. 443-448 6 p.

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

Comparison the portable service platforms influence to electric field exposure at 110 kV substations

Pääkkönen, R., Kuisti, H., Gonzalez, J. A., Tarao, H., Gobba, F. & Korpinen, L., 2012, *The Bioelectromagnetics Society 34th Annual Meeting, June 17, 2012 - June 22, 2012, Brisbane, Australia*. The Bioelectromagnetics Society, p. 215-217 (The Bioelectromagnetics Society Annual Meeting).

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

Conclusions

Juuti, P. S., Katko, T. S. & Vuorinen, H. S., 2007, *2007. Environmental History of Water - Global views on community water supply and sanitation*. IWA Publishing. Juuti P.S., K. T. S. & Vuorinen, H. S. (eds.). p. 259-262

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

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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

Juuti, P. S., Katko, T. S. & Vuorinen, H. S., 2007, *2007. Environmental History of Water - Global views on community water supply and sanitation*. IWA Publishing. Juuti P.S., K. T. S. & Vuorinen, H. S. (eds.). 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, J., Nancharaiah, Y. V., Maheshwari, N., van Hullebusch, E. D. & Lens, P. N. L., Apr 2017, In : Journal of Hazardous Materials. 327, p. 79-88 9 p.

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

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Gogoi, M., Layek, R., Vuorinen, J. & Mahato, M., 1 Mar 2017, In : Energy and Environment Focus. 6, 1, 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

Hietanen, S., Vesa, J. & Korpinen, L., 2010, In : Elektronika ir Elektrotechnika. 10, 106, 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, R., Efimova, E., Konttinen, J. & Santala, V., 11 Jul 2019, In : New Biotechnology. 53, p. 81-89 9 p.

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

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Kuusela, M., Asp, O. & Laaksonen, A., 28 Aug 2019, In : Nordic Concrete Research. 60, 1, p. 89-104 15 p., 6.

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

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Research output: Contribution to journal > Article > Professional

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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, A., Ruoko, T.-P., Iivonen, T., Lahtonen, K., Ali-Löytty, H., Sarlin, E., Valden, M., Leskelä, M. & Tkachenko, N., 31 Jul 2018, In : Sustainable Energy & Fuels. 2, 9, p. 2124-2130

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

Deterioration mechanisms and life cycle of concrete monoblock railway sleepers in Finnish conditions

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

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

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Katko, T. S. & Rautavaara, A., 2013, *Free Flow - Researching Water Security Through Cooperation*. Griffiths, J. & Lambert, R. (eds.). United Nations Educational, Scientific and Cultural Organization; Unesco Publishing; Tudor Rose, p. 240-244 5 p.

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, L., Leivo, V., Kiviste, M., Martuzevicius, D., Turunen, M., Prasauskas, T. & Haverinen-Shaughnessy, U., May 2015, *Healthy Buildings 2015 Europe (HB 2015)*. International Society for Indoor Air Quality and Climate

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

Digestate valorization for bioremediation of petroleum hydrocarbons contaminated soils

Gielnik, A., 11 Dec 2019, Tampere University. 95 p. (Tampere University Dissertations)

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

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Rinta-Kanto, J. M. & Wilhelm, S. W., Jul 2006, In : *Applied and Environmental Microbiology*. 72, 7, p. 5083-5085 3 p.

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

Diversity of the water supply and sanitation sector: roles of municipalities in Europe

Pietilä, P., 2013, *Water Services Management and Governance : Lessons for a Sustainable Future*. Katko, T. S., Juuti, P. S., Schwartz, K. & Rajala, R. P. (eds.). IWA Publishing, p. 99-111 13 p.

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Behailu, B. M., Aug 2015, *Dry Toilet 2015: 5th International Dry Toilet Conference*. 7 p.

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Research output: Contribution to journal › Editorial › Scientific

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Katko, T., 2011, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 1, 2, p. 8-11

Research output: Contribution to journal › Article › Scientific

Editorial Note: "Pasts and Futures of Water"

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Research output: Contribution to journal › Article › Scientific

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Research output: Contribution to journal › Editorial › Scientific

Education, Research and Capacity Building for Water Services

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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, H. & Saarenrinne, P., 2009, In : Journal of Fluids Engineering: Transactions of the ASME. 131, 3, 031203, p. 1-9 9 p.

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

Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge

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

Effect of Temperature on Fume Formation and Deposition in Kraft Recovery Boilers - a Modeling Approach

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Effect of Tissue Conductivity on Internal Body Resistances of Numerical Human Model at Power Frequency

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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, H., Kuisti, H., Korpinen, L., Hayashi, N. & Isaka, K., 2012, In : Physics in Medicine and Biology. 57, 10

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Electricity generation from tetrathionate in microbial fuel cells by acidophiles

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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

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

Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood

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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

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Research output: Book/Report > Commissioned report > Professional

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

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

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Research output: Book/Report > Anthology > 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: Contribution to journal > Article > Scientific > peer-review

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Experimental study of oxy-fuel combustion in a drop tube reactor

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Fate of dissolved organic matter in softwood element-chlorine-free bleached kraft mill fiberline

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Fluidized bed bioreactor for multiple environmental engineering solutions

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

Fluidized-bed denitrification of mining water tolerates high nickel concentrations

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Focus and Change of Water Management in Finland – Analysis of Vesitalous Journal, 1960-2009

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Research output: Contribution to journal › Article › Professional

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Hukka, J. J., Katko, T. S., Pietilä, P. E., Seppälä, O. T. & Vinnari, E. M., 2010, *Proceedings of the Conference on Security in Futures - Security in Change, 3-4 June 2010, Turku, Finland. FFRC eBook*. Auffermann, B. & Kaskinen, J. (eds.). p. 318-325

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

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Research output: Book/Report › Anthology › 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

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

Heikot signaalit vesihuollossa

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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

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

Historian hajusta tuoksujen tulevaisuuteen: pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta

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

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Research output: Other contribution › Scientific

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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

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HPLC-SEC: a new approach to characterise complex wastewater effluents

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

Hyvän veden ja hyvien yhteyksien kaupunki - Riihimäen Veden historia

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

Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia

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Ikääntyvä infra - vesihuollon keskeisin haaste

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

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Impact of heavy metals on denitrification of simulated mining wastewaters

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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

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

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Improved bioconversion of crude glycerol to hydrogen by statistical optimization of media components

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

Improved water services cooperation through clarification of rules and roles

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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

Indigenous practices of water management for sustainable services: Case of Borana and Konso, Ethiopia

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Influence of temperature and pretreatments on the anaerobic digestion of wastewater grown microalgae in a laboratory-scale accumulating-volume reactor

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

Influence of TiO₂ compact layer precursor on the performance of perovskite solar cells

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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

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Innovative use of recovered municipal solid waste incineration bottom ash as a component in growing media

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

Insentiivit julkisen sektorin innovaatio toiminnan edistämisen välineinä. Esimerkinä Georgian osavaltion palvelu-uudistus

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Institutional development is the key for sustainable water services in the built environment

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Integration of water and wastewater utilities

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Introduction: Evolution and futures of water management: strategic decisions, challenges and effectiveness

Juuti, P. S., Katko, T. S. & Rajala, R. P., 2008, *Water: a Matter of Life - Long-term strategic thinking in water services*. 193 p. *KehräMedia Inc.* Juuti P.S., K. T. S. & Rajala, R. P. (eds.). p. 6-20

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Inverse infrastructures: self-organization in the water services

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Ja alussa oli vesi

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

Jätehuollon jakautuminen osamarkkinoihin ja yritystoiminta

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Jätevedenpuhdistuksen ja viemäröinnin vaiheita Helsingissä

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

Johdanto: vesirikas Riihimäki

Juuti, P., Pietilä, P. & Rajala, R., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 26-33

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

Johtoja ja joukkuehenkeä

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Research output: Contribution to journal › Article › Professional

Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä

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Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka

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

Kapkaupungin pysyvä vesikriisi – ratkeako vesipula, jos lisää vettä pumpataan vuotavaan verkostoon

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Kinetics of biomass pyrolysis

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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

Sisäympäristön laadun ja terveellisuuden arviointi energiaparannuskohteissa

Mari, T., Leivo, V., Pekkonen, M., Aaltonen, A., Kiviste, M. & Haverinen-Shaughnessy, U., 16 Mar 2016, *Sisäilmastoseminaari 2016, Sisäilmayhdistys raportti 34*. SIY SISÄILMATIETO OY, p. 13-18 6 p.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Sleepers

Luomala, H., 24 Nov 2016
Research output: Other contribution › Scientific

Social Norms in Water Services: Exploring the Fair Price of Water

Heino, O. & Takala, A., 2015, In : *Water Alternatives*. 8, 1, p. 844-858 15 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets

Espinosa-Ortiz, E. J., Shakya, M., Jain, R., Rene, E. R., van Hullebusch, E. D. & Lens, P. N. L., 2016, In : *Environmental Science and Pollution Research*. 23, 21, p. 21619-21630 12 p.
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, J. M. & Timonen, S., 2020, In : EUROPEAN JOURNAL OF SOIL BIOLOGY. 97, 7 p., 103168.
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., 2015, In : Waste Management. 45, p. 468-475 8 p.
Research output: Contribution to journal > Article > Scientific > peer-review

Stabilization of fine fraction from landfill mining in leach bed reactor

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Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors

Taddeo, R. & Lepistö, R., 2015, In : Water Science and Technology. 71, 6, p. 892-897 6 p.
Research output: Contribution to journal > Article > Scientific > peer-review

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

Study of Aerosols of Black Liquor Combustion

Leppänen, A., Välimäki, E. & Oksanen, A., 2011, *11th International Conference on Energy for Clean Environment, 5-8 July 2011, Lisbon Portugal*. Lisbon: Clean Air conference series, p. 1-11 11 p. (International Conference on Energy for Clean Environment).

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Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematite-Titania Nanocomposite Photoanodes

Ruoko, T. P., Kaunisto, K., Bärttsch, M., Pohjola, J., Hiltunen, A., Niederberger, M., Tkachenko, N. V. & Lemmetyinen, H., 8 Jul 2015, In : Journal of Physical Chemistry Letters. 6, 15, p. 2859-2864 6 p.

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

Suomen vesihuollon kehitys kansainvälisessä kontekstissa

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Sustainability competencies of engineers in the field of water supply and sanitation

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

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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 > Chapter > Scientific > peer-review

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Research output: Contribution to journal > Article > Professional

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Research output: Contribution to journal › Comment/debate › Scientific › peer-review

Tammikuun tehopiikki – mitä tapahtui 7.1.2016? Miten tehoa hallitaan paremmin jatkossa?

Heljo, J., Harsia, P., Holttinen, H., Aalto, P., Björkqvist, T., Järventausta, P., Kaivo-oja, J., Kojo, M., Korpela, T., Rautiainen, A., Repo, S., Ruostetsaari, I. & Sorri, J., 2016, p. 1-15, (EL-TRAN analyysi; vol. 7/2016).

Research output: Working paper › Discussion paper › Professional

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Research output: Contribution to journal › Article › Professional

Tausta: Jätevedenpuhdistuksen alku, tehtävän määrittely ja keskeiset käsitteet

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoa minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 7-18

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Technical suitability of the fine fraction of municipal solid waste incineration bottom ash to the landfill capping liner

Leppänen, M., Sarkkila, J., Hämäläinen, H. & Rinkinen, J., 6 Jun 2018, *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*. Raasakka, V. & Lahtinen, P. (eds.). RIL - Finnish Association of Civil Engineers, p. 168-175

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Technology development theories and water services evolution

Antila, K., Katko, T. S. & Mattila, H., 2013, *Water Services Management and Governance : Lessons for a Sustainable Future*. Katko, T. S., Juuti, P. S., Schwartz, K. & Rajala, R. P. (eds.). IWA Publishing, p. 13-27 15 p.

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Research output: Contribution to journal › Article › Professional

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The Challenge of Aging Infrastructure, Aging Staff and Reflections for Education and Research

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

The designing and the implementation of WWW-course &Electricity, Electronics and Environment&

Korpinen, L., Koskiranta, M., Lehtelä, R., Vesapuisto, M., Tepsa, K. & Puro, H., 2010, In : *Elektronika ir Elektrotechnika*. 102, 6, 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

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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, M., Lakaniemi, A-M., Kokko, M. E. & Puhakka, J. A., Feb 2017, In : *Bioresource Technology*. 226, p. 173-180 8 p.

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

The effect of climate change on freeze-thaw durability of concrete structures in Finland

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The effect of lake bottom sediment layers on radionuclide transport from bedrock to biosphere and doses to humans

Pohjola, J., Turunen, J. & Lipping, T., 3 Sep 2017, p. 439-440. 2 p.

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

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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

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The effect of torrefaction on the chlorine content and heating value of eight woody biomass samples

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

The effects of improved energy efficiency on indoor environmental quality in multi-family buildings

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The evolving role of water co-operatives in Finland

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The experiences of technical university students on an "environmental health" course

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

The factors controlling combustion and gasification kinetics of solid fuels

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

The Fountain A Harbinger of a New Era in Case Tampere

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

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The most difficult at-fault fatal crashes to avoid with current active safety technology

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

The need for "champions" in rural water supply

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

The Possible Exposure of Children to Extremely Low Frequency Magnetic Fields in the Home

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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

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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

The role of inorganics in modelling of biomass gasification

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

The students' feedback on WWW-course "Electricity, Electronics and Environment"

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

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Tighter contracts or more trust? Outsourcing in Finnish water utilities

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

To fractionate municipal solid waste incineration bottom ash: Key for utilisation?

Sormunen, L. A. & Rantsi, R., 2015, In : *Waste Management and Research*.

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

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Research output: Contribution to journal › Article › Professional

Towards balanced public-private co-operation in urban water management

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

Towards bioproduction of poly- α -olefins from lignocellulose

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

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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

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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

TTY:ssä panostetaan pakkausalaan

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Research output: Contribution to journal › Article › Professional

Tulevaisuuden vesiosaajat

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Research output: Contribution to journal › Article › Scientific

Tuli: Pelko ja pelastus

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

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Turning up the heat on printability

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Research output: Contribution to journal › Article › Scientific

Turning up the heat on printability

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Tutkimusohjelma Elinkaaritehokas RAta (TERA): Kokonaisvaltainen ote ratarakennetutkimukseen

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Research output: Other contribution › Scientific

Tutkimustoiminnalla turvallisuutta ja toimintavarmuutta: päätös panostaa omaan jätevesilaboratorioon

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoja minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tuellaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 77-84
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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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Urban water conflicts in recent European history: Changing interactions between technology, environment and society

Barraque, B., Juuti, P. S. & Katko, T. S., 2012, *Urban water conflicts*. Barraque, B. (ed.). Taylor & Francis and UNESCO Publishing; A Balkema book, 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

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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

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Utilising alternative fuels and technologies in city buses

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Research output: Book/Report › Commissioned report › Professional

Utility–Customer Communication: The Case of Water Utilities

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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

Uuden vuosituhatennäyttäjän tiennäyttäjät – HS-Veden alkutaival

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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 > Chapter > Scientific > peer-review

Vaatus paremmasta puhdistustuloksesta ohjaa jätevedenpuhdistuksen päätöksentekoa

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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

Vanhuus uhkaa vesihuoltoa

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Vapor phase processing of α -Fe₂O₃ photoelectrodes for water splitting: An insight into the structure/property interplay

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