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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.
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Acceptability of contaminated soils and waste materials in landfill structures

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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

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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).

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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

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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

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

Älypölkky, radan monitorointi, kreosoottipölkyn korvaavat vaihtoehdot

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Research output: Other contribution › Scientific

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

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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

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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

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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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Application oriented wear testing of wear resistant steels in mining industry

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

Appropriate pricing policy needed worldwide for improving water services infrastructure

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

A recombinant Escherichia coli sensor strain for the detection of tetracyclines

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Are Finns walking the talk?: Examining the national collaboration process on engineering education for sustainable development five years later

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

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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

ASROCKS-Hankkeen heikkouuttomenetelmien vertailu

Translated title of the contribution: : ASROCKS-Hankkeen heikkouuttomenetelmien vertailu

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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

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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

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

Asteittain kohti keskitettyä jätevedenpuhdistusta

Translated title of the contribution : 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

A study on raw, torrefied, and steam-exploded wood: Fine grinding, drop-tube reactor combustion tests in N₂/O₂ and CO₂/O₂ atmospheres, particle geometry analysis, and numerical kinetics modeling

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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

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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

Betonielementtien uudelleenkäyttömahdollisuudet

Translated title of the contribution : Betonielementtien uudelleenkäyttömahdollisuudet
Lahdensivu, J., Huuhka, S., Annala, P., Pikkuvirta, J., Kölliö, 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 korjausohjeet 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

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

Biochars from solid digestates as sorbing materials for metal(loid)s removal from water

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

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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

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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

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

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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?

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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

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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: Contribution to journal › Article › Scientific

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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

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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

Translated title of the contribution: : 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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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: 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: Contribution to journal > Article > Scientific > peer-review

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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

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

Characterization of fine fraction mined from two Finnish landfills

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

Chasing measurements for real-world emissions of city buses

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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

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 › 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

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

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Translated title of the contribution: : Dags att syna utmaningarna inom vattenförsörjningen
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Research output: Contribution to journal > Article > Scientific > peer-review

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

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

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Translated title of the contribution: : Vesihuoltopalveluiden synty Suomessa: Editorial

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Geo + Ympäristö = Ympäristögeotekniikka?

Translated title of the contribution: : Geo + Environment = Environmental Geotechnics?

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Gestao e organizacao dos servicos de saneamento : Abordagens europeias.

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Global challenges and role of institutions in water services

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Research output: Contribution to journal › Article › Professional

Governance in water sector - comparing development in Kenya, Nepal, South Africa and Finland

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Halpaa eli hyvää - minkälaisia merkityksiä vesihuoltoala rakentaa itsestään

Translated title of the contribution: : Halpaa eli hyvää - minkälaisia merkityksiä vesihuoltoala rakentaa itsestään

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

Hanaa! Suomen vesihuolto - kehitys ja yhteiskunnallinen merkitys

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Hätä ei häviä käymälöitä poistamalla

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

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Research output: Contribution to journal › Article › Professional

Helsinki sai ensimmäisen puhdistamonsa 1910; Helsinki gained its first wastewater treatment plant 1910

Translated title of the contribution: : Helsinki sai ensimmäisen puhdistamonsa 1910; Helsinki gained its first wastewater treatment plant 1910

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Research output: Contribution to journal › Article › Professional

Highly compact TiO₂ films by spray pyrolysis and application in perovskite solar cells

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

High rate anaerobic treatment of LCFA-containing wastewater at low temperature

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

High rate autotrophic denitrification in fluidized-bed biofilm reactors

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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

Historian hajusta tuoksujen tulevaisuuteen: pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta

Translated title of the contribution: : From Stinky History to Fragrant Future: Waste water treatment of the metropolitan area - central decisions on the point of view of Espoo

Juuti, P., 2017, Tampere University Press. 280 p.

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

Historian hajusta tuoksujen tulevaisuuteen: Pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta

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Research output: Other contribution › Scientific

Historical development of water and sanitation services

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

Hydrogen sulfide removal from synthetic biogas using anoxic biofilm reactors

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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

Hyvän veden ja hyvien yhteyksien kaupunki - Riihimäen Veden historia

Translated title of the contribution: : 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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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

Ikääntyvä infra - vesihuollon keskeisin haaste

Translated title of the contribution: : Ikääntyvä infra - vesihuollon keskeisin haaste

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

Ilmasto muuttuu, riittääkö vesi?

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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

Impacts of short-term temperature fluctuations on biohydrogen production and resilience of thermophilic microbial communities

Okonkwo, O., Escudíe, R., Bernet, N., Mangayil, R., Lakaniemi, A-M. & Trably, E., 29 Mar 2019, In : International Journal of Hydrogen Energy. 44, 16, p. 8028-8037

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

Importance and challenges of sharing experiences among an international and interdisciplinary group of doctoral students

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

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

Increasing oxygen deficiency changes rare and moderately abundant bacterial communities in coastal soft sediments

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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

Behailu, B. M., Pietilä, P. E. & Katko, T. S., 6 Dec 2016, In : SAGE OPEN. 6, 4, p. 1-11 11 p.

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

Influence of atmospheric plasma treatment on surface properties and inkjet printability of plastic packaging film

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

Influence of Diffusion Barriers on Thermal Ageing Behaviour of Solar Absorber Coatings on Copper

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

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

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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

Vivo, P., Ojanperä, A., Smått, J-H., Sánden, S., Hashmi, S. G., Kaunisto, K., Ihalainen, P., Masood, M. T., Österbacka, R., Lund, P. D. & Lemmetyinen, H., 2017, In : Organic Electronics. 41, p. 287-293

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

Inhibitory effects of substrate and soluble end products on biohydrogen production of the alkalithermophile *Caloramator celer*: Kinetic, metabolic and transcription analyses

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

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

Sormunen, A., Kanninen, T., Salo, T. & Rantsi, R., 1 Jul 2016, In : Waste Management and Research. 34, 7, p. 595-604

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

Insentiivit julkisen sektorin innovaatiotoiminnan edistämisen välineinä. Esimerkkinä Georgian osavaltion palvelu-uudistus

Translated title of the contribution: : Insentiivit julkisen sektorin innovaatiotoiminnan edistämisen välineinä. Esimerkkinä Georgian osavaltion palvelu-uudistus

Anttiroiko, A-V. & Heino, O., 2012, In : Työelämän tutkimus. 10, 3, p. 298-305 8 p.

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

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

Integration of water and wastewater utilities

Katko, T. S., Kurki, V. O., Juuti, P. S., Rajala, R. P. & Seppälä, O. T., 2010, In : Journal American Water Works Association. 102, 9, p. 62-70

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

Integration of water and wastewater utilities

Katko, T. S., Kurki, V. O., Juuti, P. S., Rajala, R. P. & Seppälä, O. T., 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. 29-40 12 p.

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

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

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

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

Inverse infrastructures: self-organization in the water services

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

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

Translated title of the contribution: : Jätehuollon jakautuminen osamarkkinoihin ja yritystoiminta

Kallio, O., Valkama, P., Siitonen, P. & Heino, O., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa*. Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 99-113 15 p.

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

Jätehuollon, -politiikan ja -lainsäädännön institutionaalinen kuvaus

Translated title of the contribution: : Jätehuollon, -politiikan ja -lainsäädännön institutionaalinen kuvaus

Heino, O., Kallio, O., Valkama, P. & Siitonen, P., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa*. Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 33-50 18 p.

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

Jätehuollon tekniset vaihtoehdot

Translated title of the contribution: : Jätehuollon tekniset vaihtoehdot

Heino, O., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa*. Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 51-74 24 p.

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

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

Translated title of the contribution: : Johtoja ja joukkuehenkeä

Heino, O., 2013, In : *Vesitalous*. 3, p. 11-13 3 p.

Research output: Contribution to journal › Article › Professional

Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä

Mäkinen, J. & Mela, H., 28 Nov 2019, Helsinki: Suomen ympäristökeskus (SYKE). 4 p.

Research output: Book/Report › Commissioned report › Professional

Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka

Translated title of the contribution: : Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka

Anttiroiko, A-V. & Heino, O., 2013, In : *Yhdyskuntasuunnittelu*. 51, 3, p. 30-43 14 p.

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

Käänteiset perusrakenteet : Suuntana hajautettu infrastruktuuripolitiikka?

Translated title of the contribution: : Käänteiset perusrakenteet : Suuntana hajautettu infrastruktuuripolitiikka?

Heino, O. & Anttiroiko, A-V., 2013, In : *Kuntatekniikka*. 1, p. 40-42 3 p.

Research output: Contribution to journal › Article › Professional

Kaivoista ja käymälöistä kohti kunnallista vesihuoltoa

Juuti, P., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 34-63

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

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

Juuti, P. & Rajala, R., 2018, In : *Vesitalous*. 5, p. 39-42 4 p.

Research output: Contribution to journal › Article › Professional

Kasvun ja veden kausi – I vesilaitoksesta II maailmansotaan

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 51-74

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

Kinetics of biomass pyrolysis

Kokko, L., Tolvanen, H., Hankalin, V. & Raiko, R., 2010, *BioRefine Yearbook 2010. Tekes Review*. Mäkinen, T., Alakangas, E. & Kauppi, M. (eds.). p. 39-45

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

Kirja-arviointi: Kuinka vesiensuojelu saatiin pääosin kuntoon?

Translated title of the contribution: : Book review: How modern water pollution control was achieved?: For the sake of waters. Phases of Finnish water pollution control

Katko, T. S., 2017, In : *Vesitalous*. 58, 4, p. 46-47 2 p.

Research output: Contribution to journal › Article › Scientific

Kirja-arviointi:Yliopistomme vaarassa hukkuu byrokraatiaan. Pekka Kauppi. Kahlittu yliopistomme. Miten vapaudumme byrokraatiasta ja opetuksen ylenkatsomisesta. Into Kustannus Oy. 2017.

Translated title of the contribution: : Book review: Universities to be buried under bureaucracy.

Katko, T. S., Jun 2018, In : Tiedepolitiikka. 43, 1, p. 58-60 3 p.

Research output: Contribution to journal › Article › Scientific

Kirjastolta uutta tiedonhankinnan opetusta tukemaan opetusta antavien yksiköiden toimintaa

Translated title of the contribution: : Kirjastolta uutta tiedonhankinnan opetusta tukemaan opetusta antavien yksiköiden toimintaa

Lepistö, K. & Korpinen, L., 2010, *ReflekTori 2010 Tekniikan opetuksen symposium 9.-10.2010, Espoo. Dipoli-raportit B*. Myller, E. (ed.). p. 136-138

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

Kohti hajautettua infrastruktuuripolitiikkaa? Paikalliset vesiosuuskunnat perusrakenteiden tuottajina

Translated title of the contribution: : Towards integrative infrastructure policy? Local water cooperatives as infrastructure producers.

Heino, O. & Anttiroiko, A-V., 2014, In : Maaseudun uusi aika. 22, 3, p. 38-50 13 p.

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

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Juuti, P. & Rajala, R., 2010, *Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 135-142

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

Kohti tasapuolisempaa tutkimuksen arviointia: Pääkirjoitus

Translated title of the contribution: : Towards better balanced research assessment: Editorial

Katko, T. S., 2015, In : Ympäristöhistoria: Finnish Journal of Environmental History. 5, 1, p. 4-5 2 p.

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

Kokeellinen tutkimus savupiipun läpivientieristeen orgaanisen aineen palamisen vaikutuksesta paloturvallisuuteen

Translated title of the contribution: : Experimental study on the effects of smouldering combustion of organic content in chimney penetration insulation on fire safety

Leppänen, P. & Malaska, M., 29 Aug 2017, *Pelastustieto: Palotutkimuksen päivät 2017, erikoisnumero*. Palo- ja pelastustieto ry, p. 15-20 6 p. (Pelastustieto).

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

Kokemus: Kajaanin vesihuollon ammattilaisten kokemukset ja näkemykset

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 175-228

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

Konvergenssi ja divergenssi ongelmatyyppien luonnehtijoina: Esimerkkinä vesihuoltoinfrastruktuurin ikääntyminen

Heino, O., 2015, In : Tiedepolitiikka. 40, 3, p. 39-46 8 p.

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

Koulutus ja tutkimus kehityksen moottorina

Translated title of the contribution: : Education and research driving development

Hukka, J., Katko, T. S. & Pietilä, P., Dec 2019, In : Econetin asiakaslehti AQ. 3, p. 13 1 p.

Research output: Contribution to journal › Article › Professional

Kuka päättää vesihuollon tulevaisuudesta? (Who decides on the future of the water supply?)

Translated title of the contribution: : Kuka päättää vesihuollon tulevaisuudesta? (Who decides on the future of the water supply?)

Rajala, R., Juuti, P. & Katko, T., 2014, In : Vesitalous. 51, 1, p. 33-34 2 p.

Research output: Contribution to journal › Article › Scientific

KUPERA-kaupunkien teknisen sektorin johto kaipaa toimintakulttuuriin muutosta : Haasteista innovatiivisiin mahdollisuuksiin

Translated title of the contribution: : KUPERA-kaupunkien teknisen sektorin johto kaipaa toimintakulttuuriin muutosta : Haasteista innovatiivisiin mahdollisuuksiin

Leponiemi, U. & Heino, O., 2011, In : Kuntatekniikka. 7, p. 51-52

Research output: Contribution to journal › Article › Professional

Kyläyhteisöt palvelukulutuksen alustana

Translated title of the contribution: : Kyläyhteisöt palvelukulutuksen alustana

Laukka, A., Heino, O., Valkama, P. & Salonen, A., 2013, Tampere: Maaseutupolitiikan yhteistyöryhmä, YTR. 16 p. (Maaseutupolitiikan yhteistyöryhmän julkaisuja; no. 6)

Research output: Book/Report › Commissioned report › Professional

Kylien palvelutuotantoedellytyksistä erityisesti julkisten palvelujen näkökulmasta tarkasteltuna

Translated title of the contribution: : Kylien palvelutuotantoedellytyksistä erityisesti julkisten palvelujen näkökulmasta tarkasteltuna

Valkama, P., Heino, O., Salonen, A. & Laukka, A., 2013, Tampere: Maaseutupolitiikan yhteistyöryhmä, YTR. 9 p. (Maaseutupolitiikan yhteistyöryhmän julkaisuja; no. 6)

Research output: Book/Report › Commissioned report › Professional

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Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 75-118

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

Lack of water engineers hampering development. North-South cooperation in higher education is a must

Hukka, J. J., Katko, T. S. & Pietilä, P. P., 2011, In : Rakennustekniikka. 66, 2, p. 58-61

Research output: Contribution to journal › Article › Professional

Lähde: Pohjavedenottamot

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 93-136

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

Lähteet Suomen vesihuollossa

Translated title of the contribution: : Lähteet Suomen vesihuollossa

Katko, T. & Juuti, P. S., 2014, In : Vesitalous. 4, p. 15-18 4 p.

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

Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands

Laasasenaho, K., Lensu, A., Rintala, J. & Lauhanen, R., 1 Dec 2017, In : Land Use Policy. 69, p. 167-175 9 p.

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

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

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

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

Huovinen, P., 2015, *CIB Proceedings 2015 : Going North for Sustainability: Leveraging Knowledge and Innovation for Sustainable Construction and Development*. Egbu, C. (ed.). London, UK: IBEA Publications Ltd, p. 286-296 11 p.

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

Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu

Liimatainen, H. & Viri, R., 30 May 2017, Suomen ilmastopaneeli.

Research output: Book/Report › Commissioned report › Professional

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

Long-term measurement of free time exposure to low frequency magnetic fields in Finland

Holm, 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

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

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

Long term stability of air processed inkjet infiltrated carbon-based printed perovskite solar cells under intense ultra-violet light soaking

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

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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. 50-72

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

Long-term thermophilic mono-digestion of rendering wastes and co-digestion with potato pulp

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

Loppuluku – haasteita riittää tulevaisuuteen

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

Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor

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

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

Translated title of the contribution: : L'oxydation chimique pour la remediation des sols contamines par des composes recalcitrants. Cas de la chlordecone

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

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

Luminescent bacteria-based sensing method for methylmercury specific determination

Rantala, A., Utriainen, M., Kaushik, N., Virta, M., Välimaa, A.-L. & Karp, M., 2011, In : *Analytical and Bioanalytical Chemistry*. 400, 4, p. 1041-1049

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

Lyhyestä tiede kaunis?

Translated title of the contribution: : Lyhyestä tiede kaunis?

Katko, T., 2011, In : Tiedepolitiikka. 36, 2, p. 55-55
Research output: Contribution to journal > Article > Scientific

Managed aquifer recharge in community water supply: the Finnish experience and some international comparisons
Kurki, V., Lipponen, A. & Katko, T., 2013, In : Water International. 38, 6, p. 774-789 16 p.
Research output: Contribution to journal > Article > Scientific > peer-review

Managing water and sewerage services in a cold, four-seasons climate
Hukka, J. J., Katko, T. S., Pietilä, P. E. & Vinnari, E., 2007, *Proceedings of the 8th ISCORD Symposium, Tampere, Finland, September 25-27, 2007*. p. 17-18
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Managing water supply through joint regional municipal authorities in Finland: Two comparative cases
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Research output: Contribution to journal > Article > Scientific > peer-review

Measurers' Exposure to Extremely Low Frequency Magnetic Fields at 400 kV Substations
Korpinen, L., Kuisti, H., Tarao, H. & Pääkkönen, R., 2012, *PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia*. Electromagnetics Academy, p. 282-285 (Progress in Electromagnetics Research Symposium).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Measures for Energy Efficient and Low Emission Private Mobility
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Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content
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Research output: Contribution to journal > Article > Scientific > peer-review

Mental symptoms and the use of new technical equipment
Korpinen, L. & Pääkkönen, R., 2009, In : International Journal of Occupational Safety and Ergonomics. 15, 4, p. 385-400
Research output: Contribution to journal > Article > Scientific > peer-review

Merkittävimmät päästövähennystoimet ilmastonmuutoksen hillitsemiseksi
Auvinen, K., Maanavilja, L., Seppälä, J., Sankelo, P., Mäkinen, J., Sarkkola, S., Helonheimo, T., Saikku, L., Lounasheimo, J. & Riekkinen, V., 15 May 2020, Suomen ympäristökeskus (SYKE). 4 p.
Research output: Book/Report > Commissioned report > Professional

Metabolic engineering of *Acinetobacter baylyi* ADP1 for improved growth on gluconate and glucose
Kannisto, M., Aho, T., Karp, M. & Santala, V., 2014, In : Applied and Environmental Microbiology. 80, 22, p. 7021-7027 7 p.
Research output: Contribution to journal > Article > Scientific > peer-review

Metals removal and recovery in bioelectrochemical systems: A review
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Research output: Contribution to journal > Review Article > Scientific > peer-review

Metering the quality of water supply and sewage network maintenance services
Välisalo, T., Heino, O. & Luomanen, T., 2012, *2012 IFME World Congress on Municipal Engineering. Sustainable Communities, June 4-10, Helsinki, Finland*. International Federation of Municipal Engineering IFME, p. 1-9 9 p. (International Federation of Municipal Engineering World Congress).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific

Methane oxidation potential of boreal landfill cover materials: The governing factors and enhancement by nutrient manipulation

Maanoja, S. T. & Rintala, J. A., 2015, In : Waste Management. 46, p. 399-407 9 p.

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

Methylophaga and Hyphomicrobium can be used as target genera in monitoring saline water methanol-utilizing denitrification

Rissanen, A. J., Ojala, A., Dernjatin, M., Jaakkola, J. & Tirola, M., 1 Oct 2016, In : Journal of Industrial Microbiology and Biotechnology. p. 1-11

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

Methylophilaceae and Hyphomicrobium as target taxonomic groups in monitoring the function of methanol-fed denitrification biofilters in municipal wastewater treatment plants

Rissanen, A. J., Ojala, A., Fred, T., Toivonen, J. & Tirola, M., 8 Nov 2016, In : Journal of Industrial Microbiology and Biotechnology. p. 1-13

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

Metropoli ja meri. 100 vuotta jätevedenpuhdistusta Helsingissä

Translated title of the contribution : : Metropoli ja meri. 100 vuotta jätevedenpuhdistusta Helsingissä

Juuti, P., Rajala, R. & Katko, T., 2010, Helsinki: HSY Helsingin seudun ympäristöpalvelut. 158 p. (HSY:n julkaisuja; vol. 6/2010)

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

Microalgae grow on source separated human urine in Nordic climate: Outdoor pilot-scale cultivation

Chatterjee, P., Granatier, M., Ramasamy, P., Kokko, M., Lakaniemi, A-M. & Rintala, J., 2019, In : Journal of Environmental Management. 237, p. 119 - 127 9 p.

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

Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling

Butti, S. K., Velvizhi, G., Sulonen, M. L. K., Haavisto, J. M., Oguz Koroglu, E., Yusuf Cetinkaya, A., Singh, S., Arya, D., Annie Modestra, J., Vamsi Krishna, K., Verma, A., Ozkaya, B., Lakaniemi, A-M., Puhakka, J. A. & Venkata Mohan, S., Jan 2016, In : Renewable and Sustainable Energy Reviews. 53, p. 462-476

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

Microstructure-property relationships of novel ultra-high strength press hardening steels

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

Mihin jätevedenpuhdistusta tarvitaan?

Juuti, P. & Rajala, R., 2010, *Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 13-35

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

Mine wastewater treatment using Phalaris arundinacea plant material hydrolyzate as substrate for sulfate-reducing bioreactor

Lakaniemi, A-M., Nevatalo, L. M., Kaksonen, A. H. & Puhakka, J. A., 2010, In : Bioresource Technology. 101, 11, p. 3931-3939

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

Ministry of the Environment announces a Guide on Renovation and Repair of Buildings with Moisture and Microbial Damage - From theory to practice

Weijo, I., Turunen, T., Lahdensivu, J., Sistonen, E. & Annala, P., 30 Jun 2020, In : E3S Web of Conferences. 172, 6 p., 20007.

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

Missä, missä se kaivo on?

Katko, T., 2009, In : Vesimittari, HS-Veden asiakaslehti. 1, p. s. 8
Research output: Contribution to journal › Article › Professional

Modeling fine particles and alkali metal compound behavior in a kraft recovery boiler

Leppänen, A., Välimäki, E. & Oksanen, A., 2012, In : TAPPI Journal. 11, 7, p. 9-14 6 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Modeling of autonomous power systems - A mathematical model of a hybrid power system

Mustonen, S. & Nanthavong, K., 2006, *Proceedings of the 2nd Joint International Conference on "Sustainable Energy and Environment (SEE 2006)" 21-23 November, 2006, Bangkok, Thailand.* p. 6 p
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific

Modeling of Fine Particles and Alkali Metal Compounds in Kraft Recovery Boiler Furnace

Leppänen, A., Välimäki, E. & Oksanen, A., 2011, *The 2011 TAPPI PEERS Conference, 2-5 October 2011, Oregon Convention Center in Portland, Oregon USA.* Norcross, GA: TAPPI, p. 1-8 8 p. (TAPPI PEERS Conference).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Modeling of Finnish building sector energy consumption and greenhouse gas emission: specification of POLIREM policy scenario model

Mattinen, M. & Heljo, J., 2016, Suomen ympäristökeskus. 23 p. (Reports of the Finnish Environment Institute; no. 26/2016)
Research output: Book/Report › Commissioned report › Professional

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

Modelling of anisotropic fatigue

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

Modelling of plastic culvert and road embankment interaction in 3D

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

Modelling of seep through of humidity to electric connector with stochastic processes

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Municipal challenges in managing a building with noted health symptoms

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

Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan

Saari, A., 24 Nov 2016, Sanoma Talotekniikkajulkaisut Oy.
Research output: Other contribution › Scientific

Näkökulma: Maltti on valttia Suomellekin nollaenergiatavoitteita asetettaessa

Vinha, J., 13 Feb 2015, In : Rakennuslehti. 6
Research output: Contribution to journal › Article › General public

Näkymätönt Porri. Porin veden historia

Translated title of the contribution: : Näkymätönt Porri. Porin veden historia
Juuti, P. S., Katko, T. S., Louekari, S. M. & Rajala, R. P., 2010, Pori: Porin Vesi.
Research output: Book/Report > Book > Scientific > peer-review

Nanoscale Surface Processing of Extrusion Coated Substrates with Atmospheric Plasma Technology

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

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Need of Services and Understanding of Service Providers in Water and Sanitation: A Case of Ethiopia

Behailu, B. M. & Mattila, H., 2016, *Proceedings of the CIB World Building Congress 2016 Volume IV: Understanding impacts and functioning of different solutions*. Nenonen, S. & Junnonen, J-M. (eds.). Tampere University of Technology, p. 431-440 10 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Negotiating Groundwater Governance: Lessons from Contentious Aquifer Recharge Projects

Kurki, V., 17 Jun 2016, Tampere University of Technology. 76 p. (Tampere University of Technology. Publication; vol. 1387)
Research output: Book/Report > Doctoral thesis > Collection of Articles

Negotiating water governance: towards cooperation in contentious groundwater recharge projects

Kurki, V., 2016, *Proceedings of the CIB World Building Congress 2016: Volume I - Creating built environments of new opportunities*. Tampere University of Technology. Department of Civil Engineering, p. 91-102
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Nitrogen recovery from reject water in a 3-chamber bioelectroconcentration cell

Koskue, V., Ledezma, P., Freguia, S. & Kokko, M., Sep 2018.
Research output: Other conference contribution > Paper, poster or abstract > Scientific

Numerical modeling of fine particle and deposit formation in a recovery boiler

Leppänen, A., Tran, H., Taipale, R., Välimäki, E. & Oksanen, A., 1 Aug 2014, In : *Fuel*. 129, p. 45-53 9 p.
Research output: Contribution to journal > Article > Scientific > peer-review

Nutrient and organic matter removal from wastewaters with microalgae

Tao, R., 22 May 2019, Tampere University. 153 p. (Tampere University Dissertations)
Research output: Book/Report > Doctoral thesis > Collection of Articles

Occupational exposure to electric and magnetic fields during work tasks at 110 kV substations in the Tampere region

Korpinen, L. & Pääkkönen, R., 2010, In : *Bioelectromagnetics*. 31, 3, p. 252-254
Research output: Contribution to journal > Article > Scientific > peer-review

Occupational Exposure to Electric and Magnetic Fields While Working at Switching and Transforming Stations of 110 kV

Korpinen, L., Kuisti, H., Pääkkönen, R., Vanhala, P. & Elovaara, J., 2011, In : *Annals of Occupational Hygiene*. 55, 5, p. 526-536
Research output: Contribution to journal > Article > Scientific > peer-review

Occupational Exposure to Electric Fields and Currents Associated With 110 kv Substation Tasks

Korpinen, L., Kuisti, H. A., Tarao, H. & Elovaara, J. A., 2012, In : *Bioelectromagnetics*. 33, 5, p. 438-442
Research output: Contribution to journal > Article > Scientific > peer-review

Occupational exposure to electric fields and induced currents associated with 400 kV substation tasks from different service platforms

Korpinen, L., Elovaara, J. A. & Kuisti, H. A., 2011, In : Bioelectromagnetics. p. 79-83
Research output: Contribution to journal > Article > Scientific > peer-review

Occupational Exposure to Extremely Low Frequency Electric Fields in Office Work

Pääkkönen, R., Tarao, H., Gobba, F. & Korpinen, L., 2012, *PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia*. Electromagnetics Academy, p. 823-825 (Progress in Electromagnetics Research Symposium).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Opening of the seminar

Katko, T. S., 29 Oct 2013.

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

Operationalising the right to water and sanitation and gender equality via appropriate technology in rural Nepal

White, P., Rautanen, S-L. & Nepal, P. R., 1 Mar 2017, *Human Rights and Technology*. Garrido Villareal, M. (ed.). Costa Rica: University of Peace, Costa Rica, p. 217-239 23 p.

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

Osuuskunnat mukaan infrastruktuuripolitiikkaan

Translated title of the contribution: : Osuuskunnat mukaan infrastruktuuripolitiikkaan

Heino, O. & Anttiroiko, A-V., 2014, In : Osuustoiminta. 105, 5, p. 54-54 1 p.

Research output: Contribution to journal > Article > Professional

Pääkaupunkiseudun moderni jätevedenpuhdistus ja Viikinmäen puhdistamo

Juuti, P. & Rajala, R., 2010, *Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 91-113

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

Pääkirjoitus. Veden keskeinen merkitys yhteiskunnassa ja yhdyskunnissa

Translated title of the contribution: : Pääkirjoitus. Veden keskeinen merkitys yhteiskunnassa ja yhdyskunnissa

Katko, T., 2011, In : Ympäristöhistoria: Finnish Journal of Environmental History. 1, 2, p. 4-7

Research output: Contribution to journal > Article > Scientific

Pääkirjoitus : Vesihuoltolaitosten historiat imagon nostajana / Editorial : Relevance of history for current water services management and governance

Translated title of the contribution: : Pääkirjoitus : Vesihuoltolaitosten historiat imagon nostajana / Editorial : Relevance of history for current water services management and governance

Katko, T. S., 2013, In : Ympäristöhistoria: Finnish Journal of Environmental History. 2, 3 p.

Research output: Contribution to journal > Article > Scientific

Päätelmät yhdyskuntajätehuollon markkinainnovaatioista - taustat, kiistat ja sovellukset

Translated title of the contribution: : Päätelmät yhdyskuntajätehuollon markkinainnovaatioista - taustat, kiistat ja sovellukset

Valkama, P., Heino, O. & Kallio, O., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa*. Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 159-170 12 p.

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

Päijänne-tunneli ja kolmisopimus

Juuti, P. & Rajala, R., 2009, *Vesihuoltoyhteistyötä yli rajojen: PK-seudun yhteistyöhankkeet ja yhdistämissuunnitelmat ennen ja nyt Espoon näkökulmasta*. Juuti, P. & Rajala, R. (eds.). University of Tampere, p. 27-38

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

Palo, jano, terveys, hygienia

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). Tampub, p. 13-20

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

Paperinjalostus- ja pakkaustekniikan tutkimusyksikkö uudistaa kurssitarjontaa

Translated title of the contribution: : Paperinjalostus- ja pakkaustekniikan tutkimusyksikkö uudistaa kurssitarjontaa
Lahti, J. & Kuusipalo, J., 2010, In : *Anturi*. 5, p. 1-1 1 p.

Research output: Contribution to journal › Article › General public

Paradigma alternativo : O papel das cooperativas e das autoridades locais

Translated title of the contribution: : Paradigma alternativo : O papel das cooperativas e das autoridades locais
Hukka, J. J. & Katko, T. S., 2013, *Politica publica e gestao de servicos de saneamento*. Heller, L. & Esteban Castro, J. (eds.). Belo Horizonte; Rio de Janeiro: Editora da Universidade Federal de Minas Gerais (UFMG); Editora Fiocruz, p. 214-237 24 p.

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

Paradigman jäljillä: Tutkimus vesihuollon ajattelumalleista

Heino, O., 15 Apr 2016, Tampere: Tampere University of Technology. 111 p. (Tampere University of Technology. Publication; vol. 1374)

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

Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles

Vats, S. & Rissanen, M., 30 May 2016, In : *Recycling*. 1, 1, p. 166-177 12 p.

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

Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China

Chu, B., Dada, L., Liu, Y., Yao, L., Wang, Y., Du, W., Cai, J., Dällenbach, K. R., Chen, X., Simonen, P., Zhou, Y., Deng, C., Fu, Y., Yin, R., Li, H., He, X. C., Feng, Z., Yan, C., Kangasluoma, J., Bianchi, F., Jiang, J., Kujansuu, J., Kerminen, V. M., Petäjä, T., He, H. & Kulmala, M., 2020, In : *Science of the Total Environment*. 753, 7 p., 142207.

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

Particulate Mass and Nonvolatile Particle Number Emissions from Marine Engines Using Low-Sulfur Fuels, Natural Gas, or Scrubbers

Lehtoranta, K., Aakko-Saksa, P., Murtonen, T., Vesala, H., Ntziachristos, L., Rönkkö, T., Karjalainen, P., Kuittinen, N. & Timonen, H., 19 Feb 2019, In : *Environmental Science and Technology*. 53, 6, p. 3315-3322 8 p.

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

Part I: Early systems and innovations. Ch 3 Introduction: Early cultures and water

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. 11-16

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

Part III: Modern Urban Infrastructure. Ch 20 Introduction

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

Part III: Modern Urban Infrastructure. Ch 20 Introduction

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. 265-270

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

Part III: Modern urban infrastructure. Introduction

Juuti, P. S., Katko, T. S. & Vuorinen, H. S., 2007, *Environmental History of Water - Global views on community water supply and sanitation*. Juuti, P. S., Katko, T. S. & Vuorinen, H. S. (eds.). p. 265-269

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

Part II: Period of Slow Development. Ch 8. Introduction: pp. 99-102. Conclusions

Juuti, 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. 99-102 4 p.

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

Part V: Comparative Analysis of the Omnipresent Water Fountains

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

Perfusion characterization using flow simulations and μ PIV measurements

Kreutzer, J., Honkanen, M., Laaksonen, J. & Kallio, P., 2010, *Proceedings of the 2nd European Conference on Microfluidics - Microfluidics 2010, Toulouse, December 8-10, 2010*. p. 1-9 9 p.

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

Physical symptoms in young adults and their use of different computers and mobile phones

Korpinen, L. & Pääkkönen, R., 2011, In : *International Journal of Occupational Safety and Ergonomics*. 17, 4, p. 361-371

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

Pintavedestä pohjaveteen ja tekopohjaveteen

Translated title of the contribution: : Pintavedestä pohjaveteen ja tekopohjaveteen

Katko, T., 2010, *Näkymätönt Porii. Porin Veden historia*. Juuti, P., Katko, T., Louekari, S. & Rajala, R. (eds.). p. 236-311

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

Planning land use for biogas energy crop production: The potential of cutaway peat production lands

Laasasenaho, K., Lensu, A. & Rintala, J., 1 Feb 2016, In : *Biomass & Bioenergy*. 85, p. 355-362 8 p.

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

Plasma-Assisted Fabrication of Fe₂O₃ - Co₃O₄ Nanomaterials as Anodes for Photoelectrochemical Water Splitting

Carraro, G., Maccato, C., Gasparotto, A., Kaunisto, K., Sada, C. & Barreca, D., 1 Jan 2016, In : *Plasma Processes and Polymers*. 13, 1, p. 191-200 10 p.

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

Pohjavesi, meidän vesi

Rajala, R., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 110-147

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

Pohjoismaiden energiapolitiikka 2030: Hiilineutraalimpaan energiajärjestelmään osin yhdessä, osin eri polkuja pitkin

Aalto, P., Harsia, P., Heljo, V., Holttinen, H., Jaakkola, I., Järventausta, P., Kirkinen, J., Kojo, M., Kontinen, J., Oksa, A. M., Rönkkö, T., Sorri, J. & Toivanen, P., 2016, 23 p. (EL-TRAN analyysi; vol. 4/2016).

Research output: Working paper > Discussion paper > Professional

"Poika, nyt lähdettiin hommiin" - vesilaitos syntyy

Juuti, P., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 64-109

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

Pollutants source control and health effects

Kelishadi, R., Amin, M. M., Haghdoost, A. A., Gupta, A. K. & Tuhkanen, T. A., 2013, In : *Journal of Environmental and Public Health*. 2013, p. 1-2 2 p., 209739.

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

Possible Impact of Long and Heavy Vehicles in the United Kingdom—A Commodity Level Approach

Liimatainen, H., Greening, P., Dadhich, P. & Keyes, A., 4 Aug 2018, In : Sustainability. 10, 8, 19 p.

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

Power generation in fed-batch and continuous up-flow microbial fuel cell from synthetic wastewater

Lay, C-H., Kokko, M. E. & Puhakka, J. A., 1 Nov 2015, In : Energy. 91, p. 235-241 7 p.

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

Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles

Jain, R., Dominic, D., Jordan, N., Rene, E. R., Weiss, S., van Hullebusch, E. D., Hübner, R. & Lens, P. N. L., 2016, In : Chemical Engineering Journal. 284, p. 917-925

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

Privatisation of water services in historical context, Mid-1800s to 2004

Juuti, P. S., Katko, T. S. & Hukka, J. J., 2007, *Environmental History of Water - Global views on community water supply and sanitation*. Juuti, P. S., Katko, T. S. & Vuorinen, H. S. (eds.). p. 235-257

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

Production of Electricity and Butanol from Microalgal Biomass in Microbial Fuel Cells

Lakaniemi, A-M., Tuovinen, O. H. & Puhakka, J. A., 2012, In : BioEnergy Research. 5, 2, p. 481-491

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

Production of Oleaginous Microbial Biomass by Reusing Wastewaters

Marjakangas, J., 28 Nov 2015, Tampere University of Technology. 58 p. (Tampere University of Technology. Publication; vol. 1348)

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

Prologue

Juuti, P. S. (ed.), Katko, T. S. (ed.) & Schwartz, K. (ed.), 2013, IWA Publishing. 3 p.

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

Pt-functionalized Fe₂O₃ photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state

Warwick, M. E. A., Barreca, D., Bontempi, E., Carraro, G., Gasparotto, A., Maccato, C., Kaunisto, K., Ruoko, T. -P., Lemmetyinen, H., Sada, C., Goenuellue, Y. & Mathur, S., 2015, In : Physical Chemistry Chemical Physics. 17, 19, p. 12899-12907 9 p.

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

Puurakenteiden uudelleenkäyttömahdollisuudet

Translated title of the contribution: : Reuse possibilities of timber structures

Huuhka, S., Köliö, A., Annala, P. & Poti, A., Jan 2018, Tampere: Tampere University of Technology. 63 p. (Muuttuva rakennettu ympäristö; no. 4)(Rakennetekniikka. Tutkimusraportti.; no. 165)

Research output: Book/Report > Commissioned report > Professional

Radon, fungal spores and MVOCs reduction in crawl space house: A case study and crawl space development by hygrothermal modelling

Keskikuru, T., Salo, J., Huttunen, P., Kokotti, H., Hyttinen, M., Halonen, R. & Vinha, J., 15 Jun 2018, In : Building and Environment. 138, p. 1-10 10 p.

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

Rakennusten energiankulutuksen perusskenaario Suomessa 2015-2050

Translated title of the contribution: : Basic scenario of the energy consumption of building stock in Finland 2015-2050

Mattinen, M., Heljo, J. & Savolahti, M., 13 Sep 2016, Helsinki: Suomen ympäristökeskus. 66 p. (Suomen ympäristökeskuksen raportteja; no. 35/2016)

Research output: Book/Report > Commissioned report > Professional

Rating the impact sound insulation of concrete floors with single-number quantities based on a psychoacoustic experiment
Kylliäinen, M., 29 Aug 2019, Tampere University. 80 p. (Tampere University Dissertations; vol. 93)
Research output: Book/Report › Doctoral thesis › Collection of Articles

Ravinnevisio: Selvitys Pirkanmaan puhdistamolietteiden ja biojätteiden ravinteista ja niiden potentiaalisesta käytöstä
Mönkäre, T., Kinnunen, V., Tampio, E., Ervasti, S., Lehtonen, E., Kettunen, R., Rasi, S. & Rintala, J., Jun 2016, Pirkanmaan ELY-keskus. 56 p. (Raportteja; no. 74)
Research output: Book/Report › Commissioned report › Professional

Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems
Nancharaiyah, Y. V., Venkata Mohan, S. & Lens, P. N. L., Sep 2016, In : Bioresource Technology. 215, p. 173–185
Research output: Contribution to journal › Review Article › Scientific › peer-review

Recycling mine tailings in chemically bonded ceramics - A review
Kinnunen, P., Ismailov, A., Solismaa, S., Sreenivasan, H., Räisänen, M-L., Levänen, E. & Illikainen, M., 2018, In : Journal of Cleaner Production. 174, p. 634-649
Research output: Contribution to journal › Review Article › Scientific › peer-review

Recycling potential of post-consumer plastic packaging waste in Finland
Dahlbo, H., Poliakova, V., Mylläri, V., Sahimaa, O. & Anderson, R., 2018, In : Waste Management. 71, p. 52-61
Research output: Contribution to journal › Article › Scientific › peer-review

Reducing CO2 emissions from freight: Recent developments in freight transport in the Nordic countries and instruments for CO2 reductions
Pinchasik, D., Hovi, I. B., Vierth, I., Mellin, A., Liimatainen, H. & Kristensen, N., 2018, NORDIC COUNCIL OF MINISTERS . 129 p. (Temanord)
Research output: Book/Report › Commissioned report › Professional

Reduction of combustion-generated emissions by means of multiobjective optimization and computational fluid dynamics
Oksanen, A. & Saario, A. J., 2011, *CFD & Optimization 2011, Methods and Applications, ECCOMAS Thematic Conference, 23-25 May 2011, Antalya, Turkey*. Antalya: ECCOMAS, p. 1-17 17 p. (ECCOMAS Thematic Conference on CFD & Optimization, Methods and Applications).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Relevance of the resilience concept and long-term thinking for WSS providers
Juuti, P., Mattila, H., Rajala, R., Schwartz, K. & Staddon, 2019, *Resilient Water Services and Systems: The Foundation of Well-Being*. IWA Publishing. IWA Publishing, p. 227-236 10 p.
Research output: Chapter in Book/Report/Conference proceeding › Chapter › Scientific › peer-review

Removal of odours in dry toilets by biofiltration
Palmroth, M. R. T., Kolha, V. A., Ramos Garcia, A., Perrier, L., Richter, C. & Tuhkanen, T. A., 2012, *ECO STP, EcoTechnologies for Wasterwater Treatment, Technical, Environmental & Economic Challenges, Santiago de Compostela, Spain, 25-27 June 2012*. International Water Association IWA, p. 1-4 4 p. (EcoTechnologies for Wasterwater Treatment, IWA International Conference).
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Replacing centralised waste and sanitation infrastructure with local treatment and nutrient recycling: Expert opinions in the context of urban planning
Särkilahti, M., Kinnunen, V., Kettunen, R., Jokinen, A. & Rintala, J., 2017, In : Technological Forecasting and Social Change. 118, p. 195-204
Research output: Contribution to journal › Article › Scientific › peer-review

Requirements for rainfall retention and storage in cold climate
Inha, L., Paavilainen, P., Pietilä, P. & Katko, T., 2010, *Conference Proceedings. IWRM Integrated Water Resources Management, 24-25 November 2010, Karlsruhe*. Steusloff, H. (ed.). p. 343-349
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Resiliency is the key for sustainable water services.

Juuti, P., Mattila, H., Rajala, R., Schwartz, K. & Staddon, C., 2019, *Resilient Water Services and Systems: The Foundation of Well-Being*. IWA Publishing. IWA Publishing, p. 1-8 8 p.

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

Resilient Asset Management and Governance Fordeteriorating Water Services Infrastructure

Hukka, J. J. & Katko, T. S., 2015, In : *Procedia Economics and Finance*. 21, p. 112-119 8 p.

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

Resilient Water Services and Systems: The Foundation of Well-Being

Juuti, P. (ed.), Mattila, H. (ed.), Rajala, R. (ed.), Schwartz, K. (ed.) & Staddon, C. (ed.), 2019, IWA Publishing.

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

Revisiting cellulase production and redefining current strategies based on major challenges Article reference: RSER5103

Kuhad, R. C., Deswal, D., Sharma, S., Bhattacharya, A., Kumar Jain, K., Kaur, A., Pletschke, B. I., Singh, A. & Karp, M., 2016, In : *Renewable and Sustainable Energy Reviews*. 55, p. 249-272 24 p.

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

Revisiting the feasibility of biomass-fueled CHP in future energy systems – Case study of the Åland Islands

Pääkkönen, A. & Joronen, T., 15 May 2019, In : *Energy Conversion and Management*. 188, p. 66 - 75

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

Rewiring the wax ester production pathway of acinetobacter baylyi ADP1

Santala, S., Efimova, E., Koskinen, P., Karp, M. T. & Santala, V., 21 Mar 2014, In : *ACS Synthetic Biology*. 3, 3, p. 145-151 7 p.

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

"Rocky Fountains" of Keciören, Turkey

Translated title of the contribution : "Rocky Fountains" of Keciören, Turkey

Katko, T. S., 2012, *Water Fountains in the Worldscape*. Ari, J. H., Petri, S. J. & Tapio, S. K. (eds.). Kangasala: International Water History Association and KehräMedia, p. 128-131

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

Rural electrification of remote areas - Case studies of two renewable energy projects in Laos and The Philippines

Mustonen, S., 2008, *International Conference on Environment 2008 (ICENV 2008), 15-17 December, 2008, Penang, Malaysia*. p. 8 p

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

Rural energy survey and scenario analysis of village energy consumption: A case study in Lao People's Democratic Republic

Mustonen, S. M., 2010, In : *Energy Policy*. 38, 2, p. 1040-1048

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

Rural household electricity load profiles with a load simulation tool

Poudyal, A., Mustonen, S. & Paatero, J., 2010, *International Conference on Applied Energy (ICAE 2010), Energy Solutions for a Sustainable World, 21-23 April 2010, Singapore*. p. 1358-1366

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

Rural Water and Sanitation: Community Managed Project Approach for Sustainability in Ethiopia

Behailu, B. M., 30 Nov 2016, Tampere University of Technology. 77 p. (Tampere University of Technology. Publication; vol. 1435)

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

Saasta: Jätevesien puhdistus ja viemäröinti

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). Tampub, p. 137-174

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

Safety of lead water pipes: history and present

Vuorinen, H. S., Juuti, P. S. & Katko, T. S., 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. 89-96 7 p.

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

Sähköautoilla suuri vähennys päästöihin - pian myös kilpailukyiseen hintaan

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

Research output: Book/Report > Commissioned report > Professional

Sähköautoilun edistäminen vaatii latausmahdollisuuksien kehittämistä

Liimatainen, H., Utriainen, R. & Viri, R., 29 Aug 2018, Suomen ilmastopaneeli. 7 p.

Research output: Book/Report > Commissioned report > Professional

Sähkö- ja elektroniikkateollisuuden ympäristökysymykset

Translated title of the contribution: : Sähkö- ja elektroniikkateollisuuden ympäristökysymykset

Korpinen, L. & Alanko, T., 2011, Tampereen teknillinen yliopisto. 120 p. (Tampereen teknillinen yliopisto, Energia- ja prosessiteknikan laitos, Opintomoniste; vol. 1)

Research output: Book/Report > Book > Professional

Sanitation, water and health

Rautanen, S-L., Luonsi, A., Nygård, H., Vuorinen, H. S. & Rajala, R. P., 2010, In : *Environment and History*. 16, 2, p. 173-194

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

Sata vuotta Suomen suurimmasta lavantautiepidemiasta

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

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

Sata vuotta vesihuoltoa Suomessa

Translated title of the contribution: : One hundred years of water services in Finland

Juuti, P., Katko, T. S. & Rajala, R., Dec 2017, In : *Vesitalous*. 58, 6, p. 13-15 3 p.

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

Scaling up the treatment of the fine fraction from landfill mining: Mass balance and cost structure

Mönkäre, T., Palmroth, M. R. T., Sormunen, K. & Rintala, J., 15 Mar 2019, In : *Waste Management*. 87, p. 464-471 8 p.

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

Screening biological methods for laboratory scale stabilization of fine fraction from landfill mining

Mönkäre, T. J., Palmroth, M. R. T. & Rintala, J. A., 2017, In : *Waste Management*. 60, p. 739-747 9 p.

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

Selecting an indigenous microalgal strain for lipid production in anaerobically treated piggery wastewater

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.

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

Self-reported use of ICT (Information and communication technology) uptake in 2002 and discomfort amongst Finns aged 45-66

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

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

Service Failures of Rural Water Supply Systems in Ethiopia and Their Policy Implications

Behailu, B. M., Hukka, J. J. & Katko, T. S., 2017, In : *Public Works Management & Policy*. 22, 2, p. 179-196

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

Short Global History of Fountains

Juuti, P. S., Antoniou, G. P., Dragoni, W., El-Gohary, F., De Feo, G., Katko, T. S., Rajala, R. P., Zheng, X. Y., Drusiani, R. & Angelakis, A. N., May 2015, In : *Water*. 7, 5, p. 2314-2348 35 p.

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

Sidosryhmien näkemykset jätehuollon markkinoistumisesta

Translated title of the contribution: : Sidosryhmien näkemykset jätehuollon markkinoistumisesta

Kallio, O., Heino, O., Valkama, P. & Autero, A., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus*

jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa.

Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 144-158 15 p.

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

Significance of Wild Cards and Weak Signals for Sustainability : Case of Water Services

Heino, O. A. & Takala, A. J., 2011, *Trends and Future of Sustainable Development, Proceedings of the Conference*

"Trends and Future of Sustainable Development", 9 - 10 June 2011, Tampere, Finland. Lakkala, H. & Vehmas, J. (eds.).

Finland Futures Research Centre, University of Turku, p. 410-422 15. (FFRC eBOOK).

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

Simulointi nopeuttaa käyttöiän määrittystä

Ojala, P., Saarenrinne, P., Miettinen, J., Multanen, P., Kiilunen, J., Hietala, J.-P., Kolu, A., Pippola, J., Mostofizadeh, M. & Ylönen, M., 2015, In : *Promaint*. 2, p. 24-27 4 p.

Research output: Contribution to journal > Article > Professional

Simultaneous detection of three antiviral and four antibiotic compounds in source-separated urine with liquid chromatography

Pynnönen, S. T. & Tuhkanen, T. A., 2014, In : *Journal of Separation Science*. 37, 3, p. 219-227 9 p.

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

Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggyery 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.

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

Mönkäre, T., Palmroth, M. R. T. & Rintala, J., 2014, *Proceedings SUM 2014, Second Symposium on Urban Mining, Bergamo, Italy, 19-21 May, 2014 : Organised by IWWG - International Waste Working Group*. CISA Publishers, p. 1-11 11 p.

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

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

Taddeo, 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

Students' Perceived Priorities on Water as a Human Right, Natural Resource, and Multiple Goods

Rajala, R. P., Katko, T. S. & Springe, G., 2019, In : Sustainability. 11, 22, 6354.

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).

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

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

Ruoko, T. P., Kaunisto, K., Bärtisch, 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

Translated title of the contribution: : Development of Finnish water services in international perspective

Katko, T. S. & Juuti, P., 2018, In : Tekniikan Waiheita: Teknik I Tiden. 36, 2, p. 5-24 20 p.

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

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

Takala, A., 2011, *World Sustainable Building Conference SB11, October 18-21, 2011, Helsinki, Finland*. Helsinki: RIL - Finnish Association of Civil Engineers, p. 180-181 (World Sustainable Building Conference SB11; vol. 2).

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

Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries

Taddeo, R., Kolppo, K. & Lepistö, R., 15 Sep 2016, In : Journal of Environmental Management. 180, p. 52-58 7 p.

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

Syntymä ja kuolema: Laitoksen perustamiseen johtanut kehitys

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 37-46

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

Syytä olla ylpeä

Translated title of the contribution: : Syytä olla ylpeä

Hukka, J. J., Katko, T. S. & Pietilä, P. P., 2011, In : Kehitys. 2, p. 40-40

Research output: Contribution to journal › Article › Professional

Taking Water Services to the Next Level: A Paradigm Shift?

Heino, O., 2017, In : Public Works Management & Policy. 22, 1, p. 12-17 6 p.

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

Tampereelta valmistuneiden vesihuoltoalan diplomi-insinöörien sijoittuminen ja odotukset yliopisto-opetukselle

Katko, T. S., Lukka, A. & Rajala, R., 2015, In : Vesitalous. 2, p. 45-47 3 p.

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 tuelvaisuudessa*. Juuti, P. & Rajala, R. (eds.).

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

Tavoitteena puhdas asuinympäristö

Juuti, P. & Rajala, R., 2010, *Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 114-134

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

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

Leppänen, 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

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

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.

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

Tempoilevasta tiede- ja koulutuspolitiikasta kohti laajempaa näkemystä

Translated title of the contribution: : From stop-go science and education policy towards wider points of view

Katko, T. S. & Hukka, J. J., Oct 2017, *Koulutuksen ja tutkimuksen murros yliopistoissa uuden vuosikymmenen kynnyksellä*. Juuti, P. & Uusi-Rasi, K. (eds.). Tampere: Tampereen dosenttiyhdistys, p. 32-39 8 p. (Tampereen dosenttiyhdistyksen julkaisuja).

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

Teräsrumpujen uudet korjausmenetelmät: Halkaistu sisäputki, puolipohjaus ja pohjan betonointi

Kalliainen, A., Haakana, V., Korhonen, M., Mäkinen, J. & Kolisoja, P., 2016, *Liikennevirasto*. 70 p. (Liikenneviraston tutkimuksia ja selvityksiä)

Research output: Book/Report › Book › Professional

Testattua tahdistusta

Translated title of the contribution: : Testattua tahdistusta

Korpinen, L., 2012, In : Sähkö & Tele. 85, 3, p. 24-26

Research output: Contribution to journal › Article › Professional

Testing activity-based costing to large-scale combined heat and power plant using bioenergy

Korpinen, H. & Raiko, R., 2013, In : International Journal of Energy Research. p. 1-11 11 p.

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

Test in scala reale su argille sensibili: l'esperienza finlandese

Translated title of the contribution: : Full-scale failure test on sensitive clays: the Finnish experience

D'Ignazio, M., May 2015, 5 IAGIG, *Incontro Annuale dei Giovani Ingegneri Geotecnici*. Rome

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

The application of HPLC-SEC for the simultaneous characterization of NOM and nitrate in well waters

Szabo, H. & Tuhkanen, T., 2010, In : Chemosphere. 80, 7, p. 779-786

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

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

Katko, T. S., 12 Aug 2014.

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

Pääkkönen, R., Lahtinen, S. & Korpinen, L., 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).

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

Pakkala, T., Lemberg, A-M. & Lahdensivu, J., Jun 2016, p. 53. 1 p.

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

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

Pohjola, 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

Kärkkäinen, M., Kolli, T., Honkanen, M., Heikkinen, O., Huuhtanen, M., Kallinen, K., Lepistö, T., Lahtinen, J., Vippola, M. & Keiski, R. L., Oct 2015, In : Topics in Catalysis. 58, 14, p. 961-970 10 p.

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

The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part II: Characterization of Structural Changes by Transmission Electron Microscopy

Honkanen, M., Kärkkäinen, M., Heikkinen, O., Kallinen, K., Kolli, T., Huuhtanen, M., Lahtinen, J., Keiski, R. L., Lepistö, T. & Vippola, M., Oct 2015, In : Topics in Catalysis. 58, 14, p. 971-976 6 p.

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

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

Keipi, T., Tolvanen, H., Kokko, L. & Raiko, R., 2014, In : Biomass & Bioenergy. 66, p. 232-239 8 p.

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

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

Du, L., Prasauskas, T., Leivo, V., Turunen, M., Kiviste, M., Martuzevicius, D. & Haverinen-Shaughnessy, U., 2016, *Indoor Air 2016: The 14th international conference of Indoor Air Quality and Climate Ghent, Belgium July 3-8 2016*. 737

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

The evolving role of water co-operatives in Finland

Takala, A. J., Arvonen, V., Katko, T. S., Pietilä, P. E. & Åkerman, M. W., 2011, In : International Journal of Co-Operative Management. 5, 2, p. 11-19

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

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

Gonzalez-Sosa, J. & Korpinen, L., 2012, *EDULEARN12 Proceedings, 4th International Conference on Education and New Learning Technologies, 2-4 July, 2012, Barcelona, Spain*. Gomez Chova, L., Candel Torres, I. & Lopez Martinez, A. (eds.). Barcelona: International Association of Technology, Education and Development IATED, p. 1586-1592 (International Conference on Education and New Learning Technologies).

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

The factors controlling combustion and gasification kinetics of solid fuels

Tolvanen, H., Kokko, L. & Raiko, R., 2011, *Swedish-Finnish Flame Days, "Challenges in Combustion Technology today", January 26-27, 2011, Sweden*. Piteå: IFRF and the Scandinavian-Nordic Section of the Combustion Institute, p. 1-14 14 p. (Swedish-Finnish Flame Days).

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

The Fountain A Harbinger of a New Era in Case Tampere

Hynynen, A., Juuti, P. & Katko, T., 2011, *Water Fountains in the Cityscape. Essays in Public Works History*. Hynynen, A. J., Juuti, P. S. & Katko, T. S. (eds.). Kansas City, MO: Public Works Historical Society, p. 63-70 (Essays in Public Works History; vol. 30).

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

The Mermaid of Helsinki, Finland

Hynynen, A. J., Juuti, P. S. & Katko, T. S., 2012, *Water Fountains in the Worldscape*. Ari, J. H., Petri, S. J. & Tapio, S. K. (eds.). Kangasala: International Water History Association and Kehrämedia Inc., p. 107-111 5 p.

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

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

Koisaari, T., Utriainen, R., Kari, T. & Tervo, T., 13 Dec 2019, In : Accident Analysis and Prevention. 135, 2020, 105396.

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

The need for "champions" in rural water supply

Katko, T. S., 1994, In : Waterlines. 12, 3, p. 19-22

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

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

Gobba, F., Pääkkönen, R., Tarao, H. & Korpinen, L., 2012, *PIERS 2012 Moscow Proceedings, August 19-23, 2012, Moscow, Russia*. Electromagnetics Academy, p. 286-288 (Progress in Electromagnetics Research Symposium).

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

The potential of biomethane in replacing fossil fuels in heavy transport-a case study on Finland

Pääkkönen, A., Aro, K., Aalto, P., Kontinen, J. & Kojo, M., 1 Sep 2019, In : Sustainability. 11, 17, 4750.

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

The potential of electric trucks – An international commodity-level analysis

Liimatainen, H., van Vliet, O. & Aplyn, D., 15 Feb 2019, In : *Applied Energy*. 236, p. 804-814 11 p.

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

The role of inorganics in modelling of biomass gasification

Kontinen, J., Kramb, J., DeMartini, N. & Gomez-Barea, A., 13 Jun 2017, *EUBCE 2017 Online Conference Proceedings*.

Ek, L., Ernrooth, H., Scarlet, N., Grassi, A. & Helm, P. (eds.). *ETA-Florence Renewable Energies*, p. 443-447 5 p.

(European biomass conference and exhibition proceedings).

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

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

Vesapuisto, M., Vekara, T., Korpinen, L., Koskiranta, M. & Lehtelä, R., 2010, In : *Elektronika ir Elektrotechnika*. 102, 6, p. 99-102 4 p.

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

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

The technical students' feedback from the course issues on environmental health

Korpinen, L., Lehtelä, R., Vesapuisto, M. & Vekara, T., 2011, *Proceedings of the 22nd EAEEIE Annual Conference - EAEEIE 2011, Maribor, Slovenia, June 13-15, 2011*. Maribor: University of Maribor, Faculty of Electrical Engineering and

Computer Science, p. 119-123 (EAEEIE Annual Conference).

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

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

Tighter contracts or more trust? Outsourcing in Finnish water utilities

Heino, O., Katko, T. S. & Pietilä, P. E., 2015, In : *Public Works Management and Policy*. 20, 4, p. 360-378 19 p.

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

Toimiva vesihuolto ei ole itsestäänselvyys.

Translated title of the contribution: : Operational water services are not self evident

Katko, T. S., Apr 2017, In : *Promaint*. 29, 2, p. 17 1 p.

Research output: Contribution to journal › Article › Professional

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

Hukka, J. J., Katko, T. S., Pietilä, P. E. & Seppälä, O. T., 2010, In : *Journal of Management & Public Policy*. 2, 1, p. 71-81

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

Towards bioproduction of poly- α -olefins from lignocellulose

Salmela, M., Lehtinen, T., Efimova, E., Santala, S. & Santala, V., 2020, In : *Green Chemistry*. 22, 15, p. 5067-5076 10 p.

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

Towards enhanced nutrient recovery, biogas production and upgrading through AD and BES integration

Koskue, V., Ledezma, P., Freguia, S. & Kokko, M., 24 Jun 2019.

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

Towards the EU emissions targets of 2050: optimal energy renovation measures of Finnish apartment buildings

Hirvonen, J., Jokisalo, J., Heljo, J. & Kosonen, R., 2019, In : *International Journal of Sustainable Energy*. 38, 7

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

Transient-state operation of an anoxic biotrickling filter for H₂S removal

Khanongnuch, R., Di Capua, F., Lakaniemi, A-M., Rene, E. R. & Lens, P., 5 Sep 2019, In : *Journal of Hazardous Materials*. 377, p. 42-51 10 p.

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

Treatment of Composted Soils contaminated with Petroleum Hydrocarbons using Chemical Oxidation followed by Enhanced Aerobic Bioremediation

Cajal-Marinosa, P., Reich, O., Mobes, A. & Tuhkanen, T., 2012, In : Journal of Advanced Oxidation Technologies. 15, 1, p. 217-223

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

TTY:ssä panostetaan pakkausalaan

Translated title of the contribution : TTY:ssä panostetaan pakkausalaan

Kuusipalo, J. & Lahti, J., 2010, In : Pakkaus. 5, p. 35-35

Research output: Contribution to journal › Article › Professional

Tulevaisuuden vesiosaajat

Translated title of the contribution : Tulevaisuuden vesiosaajat

Takala, A., Heinonen, U., Innala, T., Lundgren, K., Mattila, H., Vahala, R. & Vuola, S., 2012, In : Vesitalous. 53, 3, p. 6-7

Research output: Contribution to journal › Article › Scientific

Tuli: Pelko ja pelastus

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.).

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

Tuotanto- ja operointi-innovaatiot - case vesihuolto

Translated title of the contribution : 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

Lahti, J. & Tuominen, M., 2010, In : Materials World. 18, 10, p. 15-15

Research output: Contribution to journal › Article › Scientific

Tutkimuksen teoreettinen viitekehys

Translated title of the contribution : Tutkimuksen teoreettinen viitekehys

Valkama, P., Kallio, O. & Heino, O., 2013, *Markkinainnovaatiot yhdyskuntajätehuollossa : tutkimus jätehuoltopalvelujen markkinoiden evoluutiosta, sovelluksista ja jännitteistä kunnallisen ja yksityisen sektorin rajapinnassa*. Valkama, P. (ed.). Tampere: Tampereen yliopisto, Johtamiskorkeakoulu, p. 16-32 17 p.

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

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamaa minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päättämätöprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tuellaisuudessa*. Juuti, P. & Rajala, R. (eds.).

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

Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä

Translated title of the contribution: : Työntekijöiden altistuminen sähkö- ja magneettikentille 110 kV sähköasemien työtehtävissä

Korpinen, L., 2011, Tampereen teknillinen yliopisto. 62 p. (Tampereen teknillinen yliopisto. Energia- ja prosessiteknikan laitos. Raportti; vol. 192)

Research output: Book/Report › Commissioned report › Professional

Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?

Translated title of the contribution: : Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?

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Research output: Contribution to journal › Article › Professional

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

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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

Utilizing Gelatinized Starchy Waste from Rice Noodle Factory as Substrate for L(+)-Lactic Acid Production by Amyolytic Lactic Acid Bacterium *Enterococcus faecium* K-1

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

Uuden vuosituhatosen tiennäyttäjät – HS-Veden alkutaival

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

UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol

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

Vaatus paremmasta puhdistustuloksesta ohjaa jätevedenpuhdistuksen päätöksentekoa

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamo minun takapihalleni: Jätevedenpuhdistuksen päätöksentekoa, päätöksentekoprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 65-72

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

Vaihtoehtoisten käyttövoimien hyödyntäminen kaupunkiliikenteen linja-autoissa

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Research output: Book/Report › Commissioned report › Professional

Valkea kaupunki, mustat vedet

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

Valorization of Finnish mining tailings for use in the ceramics industry

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

Values and Attitudes in Engineering Education

Korhonen-Yrjänheikki, K., Takala, A. & Mielityinen, I., 2011, *It's just People with People - Views of Corporate Social Responsibility. Aalto University Publication Series Crossover*. Lappalainen, P. (ed.). p. 65-83

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

Vanhuus uhkaa vesihuoltoa

Translated title of the contribution: : Vanhuus uhkaa vesihuoltoa

Katko, T., 2013, In : *Aamulehti*. p. B16-B16 1 p.

Research output: Contribution to journal › Article › General public

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

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