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Hautamäki, I. (ed.), Juuti, P. (ed.), Katko, T. (ed.), Rajala, R. (ed.) & Vinnari, E. (ed.), 2007, Unknown Publisher.
Research output: Book/Report > Anthology > Scientific > peer-review

Accelerated deactivation studies of the natural-gas oxidation catalyst-Verifying the role of sulfur and elevated temperature in catalyst aging

Honkanen, M., Kärkkäinen, M., Kolli, T., Heikkinen, O., Viitanen, V., Zeng, L., Jiang, H., Kallinen, K., Huuhtanen, M., Keiski, R. L., Lahtinen, J., Olsson, E. & Vippola, M., 2016, In : Applied Catalysis B-Environmental. p. 439-448 10 p.
Research output: Contribution to journal > Article > Scientific > peer-review

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Leppänen, M. M. & Kuula, P., 2016.

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

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Rautanen, S-L., 18 Mar 2016, Tampere University of Technology. 112 p. (Tampere University of Technology. Publication; vol. 1373)

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

Accidents and close call situations connected to the use of mobile phones

Korpinen, L. & Pääkkönen, R., 2012, In : Accident Analysis and Prevention. 45, p. 75-82

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

Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures: Screening from Mesophilic Inocula

Singh, S., Rinta-Kanto, J., Kettunen, R., Lens, P., Collins, G., Kokko, M. & Rintala, J., 2019, In : ARCHAEA. 2019, 1751783.

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

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

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

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

A comparison of occupational electric field exposures during working tasks at 400 kV and 110 kV substations

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A comparison of the usability of a laptop, communicator, and handheld computer

Suomalainen, P., Korpinen, L. & Pääkkönen, R., 2010, In : Journal of Usability Studies. 5, 3, p. 111-123 13 p.

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

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

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

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

A decade of Finnish engineering education for sustainable development

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

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

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

Kanellis, G., Oksanen, A. & Konttinen, J., 2020, In : *Engineering Optimization*. 21 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Adjustable hydrophilicity and hydrophobicity on paperboard by liquid flame spray process

Stepien, M., Saarinen, J. J., Teisala, H., Tuominen, M., Aromaa, M., Kuusipalo, J., Mäkelä, J. & Toivakka, M., 2010, *2010 TAPPI Advanced Coating Fundamentals Symposium, October 11-13, 2010, Munich, Germany*. p. 6 p
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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

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

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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

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

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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

Asset Life Cycle Management in Finnish Water Utilities

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

Asteittain kohti keskitettyä jätevedenpuhdistusta

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

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

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

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

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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

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Research output: Book/Report › Commissioned report › Professional

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

Bilateral collaboration in municipal water and wastewater services in Finland

Kurki, V. O., Katko, T. S. & Pietilä, P. E., 2010, In : *Water*. 2, 4, p. 815-825
Research output: Contribution to journal > Review Article > Scientific > peer-review

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

Wongrod, S., 23 May 2019, Tampere University. 79 p. (Tampere University Dissertations)
Research output: Book/Report > Doctoral thesis > Collection of Articles

Bioenergy consumption and biogas potential in Cambodian households

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

Biofiltration of odours in dry toilet air

Palmroth, M. R. T., Kolha, V., Ramos Garcia, A., Richter, C., Crosnier, F., Perrier, L. & Tuhkanen, T., 2013, *Biotechniques for air pollution control and bioenergy*. Malhautier, L. (ed.). Paris: Presses des MINES, p. 291-297 7 p.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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

Lakaniemi, A-M., Hulatt, C. J., Thomas, D. N., Tuovinen, O. H. & Puhakka, J. A., 2011, In : *Biotechnology for Biofuels*. 4, 1, p. 1-12 12 p., 34.
Research output: Contribution to journal > Article > Scientific > peer-review

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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?

Maanoja, S., Palmroth, M. & Rintala, J., 2013, *Biotechniques for air pollution control and bioenergy*. Luc, M. (ed.). Paris: Presses des MINES, p. 65-72 8 p.
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Biological Nitrogen Removal from Acidic, Heavy-metal Containing Waters

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

Bioprocessing of enhanced cellulase production from a mutant of *Trichoderma asperellum* RCK2011 and its application in hydrolysis of cellulose

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

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

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

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

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

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

Katko, T., 2010, In : Public Works Management & Policy, Vol. 14, Nr 4, April 2010.

Research output: Contribution to journal > Article > Scientific

Book review : Oestigaard, T. 2013. Water, Christianity and the rise of capitalism. London, New York: I.B. Tauris. ISBN 978-1-78076-066-7, 209 pages

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Research output: Contribution to journal > Article > Scientific

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Research output: Contribution to journal > Literature review > Scientific

Calculation of Induced Electric Fields in Human Models Exposed to ELF Magnetic and Electric Fields

Tarao, H., Hayashi, N., Korpinen, L., Matsumoto, T. & Isaka, K., 2011, *ISH 2011, 17th International Symposium on High Voltage Engineering, August 22-26, 2011, Hannover, Germany*. Gockenbach, E., Eichler, C., Mohsen, F., Fischer, M., Gratz, O., Pham, K. & Zhang, X. (eds.). Hannover: Leibnitz Universität Hannover, p. 44-44 (International Symposium on High Voltage Engineering ISH).

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

Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties

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

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

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

Career paths of experts on water supply and sanitation services

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

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

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

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

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

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

Changing energy production structures and CO2 emissions in the ASEAN countries: Decomposition analysis of drivers behind the changes

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

Characteristics and agronomic usability of digestates from laboratory digesters treating food waste and autoclaved food waste

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

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

Characterization of fine fraction from landfill mining for evaluating methane potential

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Chasing measurements for real-world emissions of city buses

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

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CO2 reduction costs and benefits in transport: socio-technical scenarios

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

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

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

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Commercialising reclaimed materials in earthworks – guidelines for productization and the process of appending these materials in the Finnish national code of practice

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

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

Comparing the energy required for fine grinding torrefied and fast heat treated pine

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

Comparison between the Occupational ELF magnetic field exposure in Finland and in Italy

Korpinen, L., Lahtinen, S. & Gobba, F., 2011, *10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy*. Rome: European Bioelectromagnetics Association, p. 2 p (International Conference European Bioelectromagnetics Association).

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

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

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

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

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

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

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

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

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

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

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

Juuti, P. S., Katko, T. S. & Vuorinen, H. S., 2007, *2007. Environmental History of Water - Global views on community water supply and sanitation*. IWA Publishing. Juuti P.S., K. T. S. & Vuorinen, H. S. (eds.). p. 589-592

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Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor

Mal, J., Nancharaiah, Y. V., Maheshwari, N., van Hullebusch, E. D. & Lens, P. N. L., Apr 2017, In : Journal of Hazardous Materials. 327, p. 79-88 9 p.

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

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

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Hietä-Wilkman, S., Vesa, J. & Korpinen, L., 2010, In : Elektronika ir Elektrotechnika. 10, 106, p. 165-168

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

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

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

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Research output: Contribution to journal > Article > Professional

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

Design aspects of all atomic layer deposited TiO₂-Fe₂O₃ scaffold-absorber photoanodes for water splitting

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

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

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Research output: Contribution to journal › Editorial › Scientific

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Effect of geometrical parameters on vortex-induced vibration of a splitter plate

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

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

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

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

Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration

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

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Research output: Book/Report › Commissioned report › Professional

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Environmental history of water: Global view of community water supply and sanitation

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Evolution of Community-Managed Water Supply Projects From 1994 to the 2010s in Ethiopia

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

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Research output: Contribution to journal › Article › Professional

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

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

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

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

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

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

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Ikääntyvä infra - vesihuollon keskeisin haaste

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Impact of heavy metals on denitrification of simulated mining wastewaters

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

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

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

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

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

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

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

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

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Integration of water and wastewater utilities

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

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Jätehuollon jakautuminen osamarkkinoihin ja yritystoiminta

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Johdanto: vesirikas Riihimäki

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Research output: Contribution to journal › Article › Professional

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

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

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

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

Utilising alternative fuels and technologies in city buses

Judl, J. & Mäkinen, J., 28 Nov 2019, Suomen ympäristökeskus (SYKE). 4 p.

Research output: Book/Report › Commissioned report › Professional

Utility–Customer Communication: The Case of Water Utilities

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

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 vuosituhatennäyttäjän tiennäyttäjät – HS-Veden alkutaival

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 177-222

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

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

Kainulainen, T. P., Sirviö, J. A., Sethi, J., Hukka, T. I. & Heiskanen, J. P., 21 Feb 2018, In : *Macromolecules*. 51, 5, p. 1822-1829 8 p.

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

UV irradiation for Micropollutant removal from aqueous solution in the presence of H₂O₂

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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 jätevedenpuhdistamoa minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tueluaisuudessa*. 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

Solismaa, S., Ismailov, A., Karhu, M., Sreenivasan, H., Lehtonen, M., Kinnunen, P., Illikainen, M. & Räisänen, M-L., 2018, In : *BULLETIN OF THE GEOLOGICAL SOCIETY OF FINLAND*. 90, 1, p. 33-54

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

Values and Attitudes in Engineering Education

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

Vanhuus uhkaa vesihuoltoa

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Research output: Contribution to journal > Article > General public

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

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

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