

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

Denitrifying microbial communities along a boreal stream with varying land-use
Aalto, S. L., Saarenheimo, J., Arvola, L., Tirola, M., Huotari, J. & Rissanen, A. J., 24 Jul 2019, In : Aquatic Sciences. 81, 59
Research output: Contribution to journal > Article > Scientific > peer-review

Examples of occupational ELF electric and magnetic field exposure in Finland
Alanko, T., Pääkkönen, R., Lahtinen, S. & Korpinen, L., 2011, *10th International Conference European Bioelectromagnetics Association, 21-24 February 2011, Rome, Italy*. Rome: European Bioelectromagnetics Association, p. 1-2 2 p. (International Conference European Bioelectromagnetics Association).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > 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

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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Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka
Anttiroiko, A-V. & Heino, O., 2013, In : Yhdyskuntasuunnittelu. 51, 3, p. 30-43 14 p.
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Unipoli Green - Four Universities Working Together for Sustainability
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Research output: Chapter in Book/Report/Conference proceeding > Chapter > 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

Urban water conflicts in recent European history: Changing interactions between technology, environment and society
Barraque, B., Juuti, P. S. & Katko, T. S., 2012, *Urban water conflicts*. Barraque, B. (ed.). Taylor & Francis and UNESCO Publishing; A Balkema book, p. 15-32 (Urban water series, UNESCO IHP; vol. 7).
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Fe₂O₃-TiO₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation
Bařreca, D., Carraro, G., Gasparotto, A., Maccato, C., Warwick, M. E. A., Kaunisto, K., Sada, C., Turner, S., Gönüllü, Y., Ruoko, T-P., Borgese, L., Bontempi, E., Van Tendeloo, G., Lemmetyinen, H. & Mathur, S., 2015, In : Advanced Materials Interfaces. 2, 17
Research output: Contribution to journal > Article > Scientific > peer-review

Long-term thermophilic mono-digestion of rendering wastes and co-digestion with potato pulp
Bayr, S., Ojanperä, M., Kaparaju, P. & Rintala, J., 2014, In : Waste Management. 34, 10, p. 1853-1859 7 p.
Research output: Contribution to journal > Article > Scientific > peer-review

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

Behailu, B. M., Suominen, A. & Katko, T. S., 22 Oct 2015, In : Public Works Management and Policy. 20, 4, p. 379-400 22 p.

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

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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

Dry Toilet Sanitation as an Alternative Solution to the Rural Ethiopia

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

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

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

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

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

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

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

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

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

Dynamics of microbial communities in untreated and autoclaved food waste anaerobic digesters

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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

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

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

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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

Fermentative metabolism of an anaerobic, thermophilic consortium on plant polymers and commercial paper samples

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

Çetinkaya, A. Y., Köroğlu, E. O., Demir, N. M., Baysoy, D. Y., Özkaya, B. & Çakmakçı, M., 20 Jul 2015, In : *Chinese Journal of Catalysis*. 36, 7, p. 1068-1076 9 p.

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

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

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

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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

Ciranna, A., Ferrari, R., Santala, V. & Karp, M., 15 Apr 2014, In : *International Journal of Hydrogen Energy*. 39, 12, p. 6391-6401 11 p.

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

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

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

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

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

Development of an assessment protocol: the impact of energy retrofits on indoor environmental quality and public health in the existing building stock

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

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E-sail test payload of the ESTCube-1 nanosatellite

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

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

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

Highly ductile amorphous oxide at room temperature and high strain rate

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

Digestate valorization for bioremediation of petroleum hydrocarbons contaminated soils

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

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

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

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Conversion of Solid Waste into Functional Carbon Materials: A Review

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

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

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

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

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

Heap Bioleaching of Low-grade Multimetal Sulphidic Ore in Boreal Conditions

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

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

Vesihuoltotoimintojen ulkoistaminen Suomessa

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Research output: Book/Report › Commissioned report › Professional

Jätehuollon, -politiikan ja -lainsäädännön institutionaalinen kuvaus

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Jätehuollon tekniset vaihtoehdot

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Research output: Contribution to journal › Article › Professional

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

Tuotanto- ja operointi-innovaatiot - case vesihuolto

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Research output: Contribution to journal › Article › Professional

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Research output: Contribution to journal › Article › Professional

Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?

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Research output: Contribution to journal › Article › Professional

Käänteiset perusrakenteet : Suuntana hajautettu infrastruktuuripolitiikka?

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Research output: Contribution to journal › Article › Professional

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

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

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

Kohti hajautettua infrastruktuuripolitiikkaa? Paikalliset vesiosuuskunnat perusrakenteiden tuottajina

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

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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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Enabling and Integrative Infrastructure Policy: The Role of Inverse Infrastructures in Local Infrastructure Provision with Special Reference to Finnish Water Cooperatives

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Research output: Book/Report > Commissioned report > Professional

Paradigman jäljillä: Tutkimus vesihuollon ajattelumalleista

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

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

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

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

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Research output: Working paper > Discussion paper > Professional

Co-operation between technical education of university and electro-technical standardization association

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

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

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

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

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

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

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

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

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Ilmasto muuttuu, riittääkö vesi?

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Research output: Contribution to journal > Article > General public

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Näkymätönt Porii. Porin veden historia

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Metropoli ja meri. 100 vuotta jätevedenpuhdistusta Helsingissä

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

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Research output: Contribution to journal › Article › Professional

Vesihuollon strateginen kehittäminen haltuun: Ydin- ja tukitoiminnon tarpeen hahmottaa selkeästi

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

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Opening of the seminar

Katko, T. S., 29 Oct 2013.

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](#) › [Comment/debate](#) › [General public](#)

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Book Review: Time for Customer Orientation in Water Utilities Customer experience management for water utilities. Marketing urban water supply

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Research output: Contribution to journal › Literature review › Scientific

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

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Research output: Book/Report > Book > Professional

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Experiences of integrating MSc student research projects in the "electromagnetic fields and health" area

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

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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.

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

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

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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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Turning up the heat on printability

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

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

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

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

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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 › Commissioned report › Professional

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

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

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

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Research output: Contribution to journal › Article › Professional

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

Acceptability of contaminated soils and waste materials in landfill structures

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

Geo + Ympäristö = Ympäristögeotekniikka?

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Kokeellinen tutkimus savupiipun läpivientieristeen orgaanisen aineen palamisen vaikutuksesta paloturvallisuuteen

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

Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu

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

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

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

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

Ballast bed

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Research output: Other contribution › Scientific

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Research output: Other contribution › Scientific

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Research output: Other contribution › Scientific

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

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

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 › Conference contribution › Professional

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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

Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä

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Research output: Book/Report › Commissioned report › Professional

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

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Mal, J., Nancharaiyah, 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.

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Research output: Contribution to journal › Editorial › Scientific

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

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

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

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

Marjakangas, J. M., Chen, C. Y., Lakaniemi, A. M., Puhakka, J. A., Whang, L. M. & Chang, J. S., 5 Nov 2015, In : *Biochemical Engineering Journal*. 103, p. 177-184 8 p.

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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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

Rakennusten energiankulutuksen perusskenaario Suomessa 2015-2050

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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)

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

Möllmann, A., Gedamu, D., Vivo, P., Frohnhoven, R., Stadler, D., Fischer, T., Ka, I., Steinhorst, M., Nechache, R., Rosei, F., Cloutier, S. G., Kirchartz, T. & Mathur, S., Jan 2019, In : *Advanced Engineering Materials*. 21, 4, 8 p., 1801196.

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

Characterization of fine fraction from landfill mining for evaluating methane potential

Mönkäre, T., Palmroth, M. & Rintala, J., 2014, *Fifth International Symposium on Energy from Biomass and Waste, Venice 2014 Proceedings, Island of San Servolo, Venice, Italy, 17-20 November 2014*. Italy: CISA Publisher

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

Characterization of fine fraction mined from two Finnish landfills

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

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

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

Ravinnevisio: Selvitys Pirkanmaan puhdistamolietteiden ja biojätteiden ravinteista ja niiden potentiaalisesta käytöstä
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Research output: Book/Report › Commissioned report › Professional

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

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

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

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Research output: Book/Report › Commissioned report › Professional

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

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

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

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

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

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Research output: Contribution to journal > Article > Professional

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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: Book/Report > Book > Professional

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

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

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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

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

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

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

Autolaskurin käyttöopas ja laskennan perusteet

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Research output: Book/Report > Commissioned report > Professional

Sähköautoilla suuri vähennys päästöihin - pian myös kilpailukyiseen hintaan

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Research output: Book/Report > Commissioned report > Professional

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