

Ympäristö- ja vesihistorian tutkimuksesta 2000-luvulla Suomessa

Juuti, P., 2017, *Koulutuksen ja tutkimuksen murros yliopistoissa uuden vuosikymmenen kynnyksellä*. Juuti, P. & Uusi-Rasi, K. (eds.). Tampereen dosenttiyhdistys, Vol. 3. p. 44-48 4 p.

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

Yli 60 tonnin yhdistelmät parantaneet kuljetusten tehokkuutta

Liimatainen, H., 4 Sep 2017, In : *Tie ja Liikenne*. 2017, 4, p. 30-32

Research output: Contribution to journal > Article > Professional

Yhteistyötarpeet ja synergiaedut : miksi hoitaa kaikkien jätevedet?

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamaa minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tuelvaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 39-64

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

Yhteistyö

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 229-256

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

Yhteistä vettä: Tuusulan seudun vesilaitos kuntayhtymä 1967-2007

Katko, T. S., 2007, *Tuusulan seudun vesilaitos kuntayhtymä* . 185 p.

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

Yhdysvaltain vesihuollossa julkissektori avainasemassa. Haasteina niukentuvien vesivarojen hallinta ja ikääntyvä infrastruktuuri

Translated title of the contribution: : Yhdysvaltain vesihuollossa julkissektori avainasemassa. Haasteina niukentuvien vesivarojen hallinta ja ikääntyvä infrastruktuuri

Katko, T. S., 2010, In : *Kuntatekniikka*. 8, p. 44-47

Research output: Contribution to journal > Article > Professional

Yhdyskuntien vesihuolto – kehityksen ja elämän ehto

Translated title of the contribution: : Community water services - a must for development and life

Juuti, P., Katko, T. S. & Rajala, R., 5 Oct 2017, *Miten Suomesta tuli tekniikan maa. Luku 4: Mikä maa, mikä tekniikka?*

Tekniikan Museon julkaisuja 8. : How Finland Became a Country of Technology. Männistö-Funk, T. (ed.). Helsinki:

Tekniikan museo, Vol. 8. p. 197-231 34 p. (Tekniikan Museon julkaisuja 8).

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

Yhdyskuntajätehuollon markkinainnovaatiot tutkimuskaupungeissa

Translated title of the contribution: : Yhdyskuntajätehuollon markkinainnovaatiot tutkimuskaupungeissa

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. 114-143 30 p.

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

Yhdistymishankkeet 2000-luvulla

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. 77-130

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

Working-aged population's mental symptoms and the use of the Internet

Korpinen, L. & Pääkkönen, R., 2011, In : *Mental Illness*. 3, 1, p. 25-28

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

White-Collar Workers' Self-Reported Physical Symptoms Associated With Using Computers

Korpinen, L., Pääkkönen, R. & Gobba, F., 2012, In : *International Journal of Occupational Safety and Ergonomics*. 18, 2, p. 137-147

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

WC-tilat ja -opasteet vain likana silmissämme?

Translated title of the contribution: : WC and signs only as dirt in our eyes?

Katko, T. S., 2018, In : Kuntatekniikka. 72, 4, p. 45 1 p.

Research output: Contribution to journal › Article › Professional

Water, Time and European Cities : History matters for the Futures

Juuti, P. S. (ed.) & Katko, T. S. (ed.), 2005, Tampere: Tampere University Press.

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

Water - The Most Important Subject of the World

Heino, O., Takala, A. & Vihanta, J., 2012, In : Ympäristöhistoria: Finnish Journal of Environmental History. 1, p. 44-58 15 p.

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

Water Supply and Sanitation in a Green Economy Society: The Case of Finland

Laitinen, J., Antikainen, R., Hukka, J. J. & Katko, T. S., 2019, In : Public Works Management and Policy.

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

Water supply and sanitation as an entry point to human development: Vision21- Knowledge synthesis.

Hukka, J. & Katko, T. S., 1999, In : Vision21- Knowledge synthesis..

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

Water services heritage and institutional diversity

Katko, T. S., Juuti, P., Pietilä, P. & Rajala, R., 2015, *Water and Heritage: material, conceptual and spiritual connections*. Willems, W. & van Schaik, H. (eds.). Sidestone Press

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

Water Services Development and Governance in Finland. Feature Article. JAWWA. 110, 5: 50-55.

Katko, T. S., May 2018, In : Journal American Water Works Association. 110, 5, p. 50-55 6 p.

Research output: Contribution to journal › Article › Scientific

Water services and cooperation

Katko, T. S., Hukka, J. J., Mashauri, D. A. & Nyangeri, E. N., 2014, *Global water : issues and insights*. Grafton, R. Q., Wyrwoll, P., White, C. & Allendes, D. (eds.). Australia: ANU Press, Australian National University Press, p. 231-239 9 p.

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

Water security and resilience

Staddon, Juuti, P., Katko, T. S., Mattila, H., Rajala, R. & Schwartz, K., 2019, *Resilient Water Services and Systems: The Foundation of Well-Being*. IWA Publishing, p. 9-14 6 p.

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

Water, policy and governance

Hukka, J. J., Castro, J. E. & Pietilä, P. E., 2010, In : Environment and History. 16, 2, p. 235-251

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

Water is the Beginning of All: Global Water Services and Challenges

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. 3-8

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

Water Fountains in the Worldscape

Hynynen, A. J. (ed.), Juuti, P. S. (ed.) & Katko, T. S. (ed.), 2012, Kangasala: International Water History Association and Kehrämedia Inc.

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

Water Fountains in the Cityscape

Hynynen, A. J. (ed.), Juuti, P. S. (ed.) & Katko, T. S. (ed.), 2011, Kansas City, MO: Public Works Historical Society. (Essays in Public Works History; vol. 30)

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

Water education makes a global difference

Katko, T., 2011, In : Interface: Science Magazine. 1/2011, p. 1-3 3 p.

Research output: Contribution to journal › Article › General public

Water Cooperatives in Tampere, Finland: the case of Pispala

Juuti, P. & Rajala, R., 2018, *WATERLAT GOBACIT network. Working papers. Challenges and opportunities facing water-service co-operatives: cases from Argentina and Finland*. 4 ed. WATERLAT-GOBACIT Research Network, Vol. 5. p. 23-32 10 p. (WATERLAT GOBACIT; vol. 5, no. 4).

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

Water and the city

Katko, T. S., Juuti, P. S. & Tempelhoff, J., 2010, In : Environment and History. 16, 2, p. 213-234

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

Water and sanitation services in history: Motivations, expectations and experiences

Juuti, P. S., Nygård, H. & Katko, T. S., 2010, *A History of Water, Series II, Volume 1: Ideas of Water from Ancient Societies to the Modern World*. Tvedt, T. & Oestigaard, T. (eds.). p. 231-249

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

Waste water treatment by multi-stage biofilm processes : Results of the VESITURVA project

Mononen, T., Coloma, S., Romantschuk, M., Vikman, M., Kapanen, A., Lehtonen, A., Saario, E., Itävaara, M., Malinen, E., Kostia, S. & Tuhkanen, T., 2013, Espoo: VALTION TEKILLINEN TUTKIMUSKESKUS. 74 p. (VTT Technology; no. 98)

Research output: Book/Report › Commissioned report › Professional

Voimaa historiallisesta yhteistyöstä

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoja minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 85-100

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

Visio: Historian havinaa ja tulevaisuuden haasteita

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 257-270

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

Virta: Kajaani, kaupunki joen varrella

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 21-36

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

Viinikanlahden siirto vielä harkintaan

Juuti, P. & Katko, T., 2005, In : Aamulehti.

Research output: Contribution to journal › Article › General public

Viewpoint - Paradigm Shift of Water Services in Finland: From Production Mentality to Service Mindset

Heino, O. & Takala, A., Oct 2015, In : Water Alternatives. 8, 3, p. 433-446 14 p.

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

Vieraskynä : Vesialan osaamista kehitettävä yhteiskunnan tarpeista

Translated title of the contribution: : Vieraskynä : Vesialan osaamista kehitettävä yhteiskunnan tarpeista

Katko, T. S., 2014, In : *Vesitalous*. 1/2014, p. 51-51 1 p.

Research output: Contribution to journal › Article › Scientific

Vetoa vesihuoltopalveluihin täydennyskoulutuksen kautta

Translated title of the contribution: : Continuing education empowering water services development

Inha, L., Juuti, P., Katko, T. S., Rajala, R. & Pietilä, P., 25 Oct 2019, In : *Kuntatekniikka*. 73, 5, p. 6-7 2 p.

Research output: Contribution to journal › Article › Professional

Vesiyhtymien toiminnan kehittäminen

Translated title of the contribution: : Vesiyhtymien toiminnan kehittäminen

Takala, A., Hukka, J. J., Katko, T. S. & Pietilä, P. E., 2008, In : *Vesitalous*. 3, p. 14-18

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

Vesitalous - monipuolisesti vesialalta

Translated title of the contribution: : Vesitalous - monipuolisesti vesialalta

Jaatinen, T., Katko, T. & Pynnönen, S., 2010, In : *Vesitalous*. 6, p. 45-47

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

Vesiosuuskunnat - minä ne tulisi nähdä?

Heino, O., 2015, In : *Osuustoiminta*. 106, 2, p. 51-51 1 p.

Research output: Contribution to journal › Article › Professional

Vesi on parasta kylmänä – loppusanat

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 223-231

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

Vesilinna, Riihimäen maamerkki

Juuti, P. & Rajala, R., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 148-183

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

Vesi kuntayhteistyön voiteluaineena

Translated title of the contribution: : Vesi kuntayhteistyön voiteluaineena

Pietilä, P., Katko, T. & Kurki, V., 2010, Helsinki: Kaks - Kunnallissalan kehittämissäätiö. 111 p. (Kunnallissalan kehittämissäätiö tutkimusjulkaisut; vol. 62)

Research output: Book/Report › Book › Professional

Vesihuolto yhdyskuntien ympäristön turvaajana: uskomuksia ja todellisuuksia

Translated title of the contribution: : Water services safequaring our environment: beliefs and realities

Katko, T. S., Inha, L. & Rajala, R., May 2019, In : *Ympäristökasvatus*. 2

Research output: Contribution to journal › Article › Professional

Vesihuoltotoimintojen ulkoistaminen Suomessa

Translated title of the contribution: : Vesihuoltotoimintojen ulkoistaminen Suomessa

Heino, O. & Pietilä, P., 2013, Espoo: VALTION TEKNILLINEN TUTKIMUSKESKUS. 6 p.

Research output: Book/Report › Commissioned report › Professional

Vesihuoltopalvelujen tutkimus-, kehittämis- ja innovaatioklusterin (VEPATUKI) ensimmäinen vuosi keskittyy saneeraustarpeeseen

Juuti, P. & Rajala, R., 2018, In : *Vesitalous*. 5, p. 21-23 3 p.

Research output: Contribution to journal › Article › Professional

Vesihuolto osana näkymätöntä kaupunkia

Translated title of the contribution: : Vesihuolto osana näkymätöntä kaupunkia

Katko, T. S., 2013, In : RY Rakennettu ympäristö. 50, 5, p. 18-21 4 p.
Research output: Contribution to journal › Article › Professional

Vesihuolto kaupungistuvissa yhteiskunnissa

Translated title of the contribution: : Water Services in Urbanising Societies

Katko, T. S. & Pietilä, P., 2017, In : Alue ja Ympäristö. 46, 1, p. 32-39 8 p.

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

Vesihuoltoa kuntiin

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 119-176

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

Vesihuoltoa espoossa ennen kunnallista vesilaitosta

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. 5-26

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

Vesihuollossa muhii aikapommi

Translated title of the contribution: : Vesihuollossa muhii aikapommi

Katko, T., 2013, In : Kanava. 8, p. 37-40 4 p.

Research output: Contribution to journal › Article › General public

Vesihuollossa kuntayhteistyö toimii

Translated title of the contribution: : Vesihuollossa kuntayhteistyö toimii

Katko, T. S. & Pietilä, P. E., 2012, In : Aamulehti.

Research output: Contribution to journal › Article › General public

Vesihuollon ylikunnalliset sopimukset lisääntymässä

Translated title of the contribution: : Vesihuollon ylikunnalliset sopimukset lisääntymässä

Kurki, V., 2010, In : Kuntatekniikka. 2, p. 18-18

Research output: Contribution to journal › Article › Professional

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

Translated title of the contribution: : Water services to be developed strategically: Recognizing the core and none-core activities of water services

Katko, T. S. & Hukka, J. J., 2016, In : Kuntatekniikka. 70, 2, p. 12-13 2 p.

Research output: Contribution to journal › Article › Professional

Vesihuollon koulutus on erinomaista kehitysyhteistyötä: Keskustelua.

Translated title of the contribution: : Water Services Education presents excellent development cooperation: Discussion forum.

Katko, T. S. & Hukka, J., Apr 2017, In : Kanava. 45, 3, p. 57-58 2 p.

Research output: Contribution to journal › Comment/debate › General public

Vesihuollon koulutus ja tutkimus lähemmäksi rakennettua ympäristöä

Translated title of the contribution: : Water services education and research closer to the built environment

Katko, T. S., Aug 2019, In : Vesitalous. 60, 4, p. 24-25 2 p.

Research output: Contribution to journal › Article › Professional

Vesihuollon kehitys ja yhteiskunnallinen merkitys : Hapertuvatko hanat?

Translated title of the contribution: : Vesihuollon kehitys ja yhteiskunnallinen merkitys : Hapertuvatko hanat?

Katko, T. S., 2013, In : Kuntatekniikka. 5, p. 14-16 3 p.

Research output: Contribution to journal › Article › Professional

Vesihuollon instituutiot vaativat taitavaa jalkapallopelejä

Translated title of the contribution: : Water services institutions require skilful soccer playing

Inha, L., Katko, T. S. & Rajala, R., Jun 2019, In : Rakennustekniikka. 75, 3, p. 38-40 3 p.
Research output: Contribution to journal > Article > Professional

Vesihuollon historia pähkinänkuoressa

Juuti, P., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 300-313
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Vesihuollon historian lyhyt oppimäärä

Translated title of the contribution: : Vesihuollon historian lyhyt oppimäärä
Katko, T. S., 2012, In : Econetin asiakaslehti AQ. 3, p. 22-22
Research output: Contribution to journal > Article > Professional

Vesihuollon haasteet ennen ja nyt

Juuti, P. & Rajala, R., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 278-299
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Vesihuollon globaalit haasteet ja instituutioiden roolit

Translated title of the contribution: : Global challenges and role of institutions in water services
Katko, T. S., 9 May 2017, In : Econetin asiakaslehti AQ. 1, p. 15 1 p.
Research output: Contribution to journal > Article > Professional

Vesihuollon ammattilaiset ovat verkostoituneet kautta aikojen

Translated title of the contribution: : Water services professionals have networked throughout history
Katko, T. S., Juuti, P. & Rajala, R., Dec 2017, In : Vesitalous. 58, 6, p. 16-19 4 p.
Research output: Contribution to journal > Article > Scientific > peer-review

Vesihuollon alkutaival – kehitys 1910 asti

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 19-50
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Vesihuollon alku Espoossa: ensimmäiset päätökset

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoja minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tuelvaisuudessa*. Juuti, P. & Rajala, R. (eds.). TamPub, p. 19-38
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Vesihuollolla voidaan myös paikata kuntataloutta

Hukka, J., Katko, T. & Pietilä, P., 2006, In : Kauppalehti. p. s. 19
Research output: Contribution to journal > Article > General public

Vesi: Vesilaitoksen alkutaival 1920-luvulta 1970-luvulle

Juuti, P., Rajala, R. & Katko, T. S., 2009, *Elämän virta: Kajaanin veden historia*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 65-92
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Verkoston varrella

Rajala, R., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 184-229
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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

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

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

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

Valkea kaupunki, mustat vedet

Juuti, P. & Rajala, R., 2017, In : Vesitalous. 2017, 1, p. 15-17 3 p.

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

Vaihtoehtoisten käyttövoimien hyödyntäminen kaupunkiliikenteen linja-autoissa

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

Research output: Book/Report › Commissioned report › Professional

Vaatus paremmasta puhdistustuloksesta ohjaa jätevedenpuhdistuksen päätöksentekoa

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoakaan minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päättämätöprosessit 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

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

Tuhkanen, T. A. & Cajal Marinosa, P., 2010, *Treatment of Micropollutants in Water and Wastewater. Integrated Environmental Technology Series*. Virkutyte, J., Varma, R. & Jegatheesan, V. (eds.). p. 295-320

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

Uuden vuosituhatosen 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

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

Unban, K., Khanongnuch, R., Kanpiengjai, A., Shetty, K. & Khanongnuch, C., May 2020, In : Applied Biochemistry and Biotechnology.

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

Utility–Customer Communication: The Case of Water Utilities

Heino, O. & Anttiroiko, A-V., 2015, In : Public Works Management and Policy. 21, 3, p. 220-230

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

Use of factorial experimental design to study the effects of iron and sulfur on growth of *Scenedesmus acuminatus* with different nitrogen sources

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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

Urban water conflicts in recent European history: Changing interactions between technology, environment and society

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

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

Tiitinen, K., Ylitalo, M. & Oksanen, A., 2010, *AFRC 2010 Pacific Rim Combustion Symposium, September 26-29, 2010 Sheraton Maui, Hawaii*. p. 1-22 22 p.
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Asikainen, E., Hellman, S., Parjanen, L., Puputti, M., Raatikainen, S. & Schroderus, M., 2 Dec 2016, *Handbook of Theory and Practice of Sustainable Development in Higher Education: Volume 3*. Leal Filho, W., Mifsud, M., Shiel, C. & Pretorius, R. (eds.). Springer International Publishing, p. 257-273 17 p. (World Sustainability Series).
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Understanding sustainable development in Finnish water supply and sanitation services

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

Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?

Translated title of the contribution: : Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?
Heino, O., 2012, In : Promaint. 26, 5, p. 10-12
Research output: Contribution to journal > Article > Professional

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

Two Years after Donor Funding Ended: Success Factors for Schools to Keep their Urine-Diverting Dry Toilets (UDDTs) Clean and Well Maintained

Pynnönen, K., Tuhkanen, T., Rieck, C. & von Munch, E., 2012, *Dry Toilet Conference 2012, 4th International Dry Toilet Conference, Full Papers, 22-24 August 2012, Tampere, Finland*. Helsinki: Global Dry Toilet Association of Finland, p. 1-10 10 p. (International Dry Toilet Conference).
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Tutkimustoiminnalla turvallisuutta ja toimintavarmuutta: päätös panostaa omaan jätevesilaboratorioon

Juuti, P. & Rajala, R., 2008, *Ei jätevedenpuhdistamoakaan minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päättämätöprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa*. Juuti, P. & Rajala, R. (eds.). TampPub, p. 77-84

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

Tutkimusohjelma Elinkaaritehos RAa (TERA): Kokonaisvaltainen ote ratarakennetutkimukseen

Luomala, H., 15 Nov 2016

Research output: Other contribution › Scientific

Tutkimuksen teoreettinen viitekehys

Translated title of the contribution: : Tutkimuksen teoreettinen viitekehys

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

Turning up the heat on printability

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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

Tuotanto- ja operointi-innovaatiot - case vesihuolto

Translated title of the contribution: : Tuotanto- ja operointi-innovaatiot - case vesihuolto

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Tuli: Pelko ja pelastus

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

Tulevaisuuden vesiosaajat

Translated title of the contribution: : Tulevaisuuden vesiosaajat

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Research output: Contribution to journal › Article › Scientific

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

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

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

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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

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Tighter contracts or more trust? Outsourcing in Finnish water utilities

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

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

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The role of inorganics in modelling of biomass gasification

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

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

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

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

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

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

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

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

The 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.

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The Effect of Phosphorus Exposure on Diesel Oxidation Catalysts-Part I: Activity Measurements, Elementary and Surface Analyses

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

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

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

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

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

The effect of anode potential on bioelectrochemical and electrochemical tetrathionate degradation

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

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

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

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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

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

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

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

Tempoilevasta tiede- ja koulutuspolitiikasta kohti laajempaa näkemystä

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

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

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

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

Tavoitteena puhdas asuinympäristö

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

Tausta: Jätevedenpuhdistuksen alku, tehtävän määrittely ja keskeiset käsitteet

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

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

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

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

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

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Research output: Contribution to journal › Comment/debate › 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

Syntymä ja kuolema: Laitoksen perustamiseen johtanut kehitys

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

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

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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

Suomen vesihuollon kehitys kansainvälisessä kontekstissa

Translated title of the contribution: : Development of Finnish water services in international perspective
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Research output: Contribution to journal > Article > Scientific > peer-review

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

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

Study of Aerosols of Black Liquor Combustion

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

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.
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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

Stabilization of fine fraction from landfill mining in anaerobic and aerobic laboratory leach bed reactors

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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

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

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

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Research output: Other contribution > Scientific

Sisäympäristön laadun ja terveellisyyden arviointi energiaparannuskohteissa

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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

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

Simulointi nopeuttaa käyttöiän määrittystä

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Research output: Contribution to journal > Article > Professional

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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.).

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

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.

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Short Global History of Fountains

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& Angelakis, A. N., May 2015, In : *Water*. 7, 5, p. 2314-2348 35 p.

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

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

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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

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

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

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

Sata vuotta vesihuoltoa Suomessa

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

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

Sata vuotta Suomen suurimmasta lavantautiepidemiasta

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

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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

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 prosessitekniiikan laitos, Opintomoniste; vol. 1)

Research output: Book/Report › Book › Professional

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Research output: Book/Report › Commissioned report › Professional

Sähköautoilla suuri vähennys päästöihin - pian myös kilpailukykyiseen hintaan

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Research output: Book/Report › Commissioned report › Professional

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

Saasta: Jätevesien puhdistus ja viemäröinti

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

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

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

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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

"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:

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Research output: Book/Report > Anthology > 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.

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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

Removal of odours in dry toilets by biofiltration

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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

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

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

Reducing CO2 emissions from freight: Recent developments in freight transport in the Nordic countries and instruments for CO2 reductions

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Research output: Book/Report > Commissioned report > Professional

Recycling potential of post-consumer plastic packaging waste in Finland

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Research output: Contribution to journal > 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

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

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

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

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

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

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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

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

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

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

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

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

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

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

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

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

"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

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., Konttinen, 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

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

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

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

Pintavedestä pohjaveteen ja tekopohjaveteen

Translated title of the contribution: : Pintavedestä pohjaveteen ja tekopohjaveteen

Katko, T., 2010, *Näkymätöntä 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

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

Perfusion characterization using flow simulations and μ PIV measurements

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

Part V: Comparative Analysis of the Omnipresent Water Fountains

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. 137-212

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

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 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 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. 509-510
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 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

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

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

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

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

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

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

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

Päijänne-tunneli ja kolmisopimus

Juuti, P. & Rajala, R., 2009, *Vesihuoltoyhteistyötä yli rajojen: PK-seudun yhteistyöhankkeet ja yhdistämisuunnitelmat 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

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

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

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

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

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

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

Opening of the seminar

Katko, T. S., 29 Oct 2013.

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

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

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 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 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 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

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

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

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

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

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

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

Nature and extent of potable water consumption in Tampere (Finland) and Carletonville (South Africa)

Rajala, R., Juuti, P. & Nealer, E., 2019, *Resilient Water Services and Systems: The Foundation of Well-Being*. IWA Publishing, p. 149-162 14 p.

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

Nanoscale Surface Processing of Extrusion Coated Substrates with Atmospheric Plasma Technology

Lahti, J., 2013.

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

Näkymätönt Porii. Porin veden historia

Translated title of the contribution: : Näkymätönt Porii. 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

Näkökulma: Maltti on valttia Suomellekin nollaenergiatavoitteita asetettaessa

Vinha, J., 13 Feb 2015, In : *Rakennuslehti*. 6

Research output: Contribution to journal › Article › General public

Näkökulma-kolumni: Putkiremontit kestävät aivan liian kauan

Saari, A., 24 Nov 2016, Sanoma Talotekniikkajulkaisut Oy.

Research output: Other contribution › Scientific

Municipal challenges in managing a building with noted health symptoms

Uotila, U., Saari, A. & Junnonen, J-M., Nov 2019, In : Facilities. 13 p.

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

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

Ojala, P., Hietala, J-P., Miettinen, J., Julkunen, P. & Nieminen, I., 2017, *ESREL 2017. Safety and Reliability. Theory and Applications*. Cepin, M. & Bris, R. (eds.). CRC Press

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

Modelling of plastic culvert and road embankment interaction in 3D

Kolisoja, P. & Kalliainen, A., 2016, In : *Procedia Engineering*. 143, p. 427-434 8 p.

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

Modelling of anisotropic fatigue

Holopainen, S., Kouhia, R., Ottosen, N. S., Matti, R. & Saksala, T., 2016, *Contributions to the foundations of multidisciplinary research in mechanics: Papers presented during the 24th International Congress of Theoretical and Applied Mechanics ICTAM2016, Montreal, Canada, 21-26, Aug. 2016*. Floryan, J. M. (ed.). IUTAM, Vol. 3. p. 1822-1823 2 p.

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

Modelling fume deposit growth in recovery boilers: effect of flue gas and deposit temperature

Leppänen, A., Tran, H., Välimäki, E. & Oksanen, A., 2014, In : *Journal of Science and Technology for Forest Products and Processes*. 4, 1, p. 50-57 8 p.

Research output: Contribution to journal › Article › 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

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 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 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

Missä, missä se kaivo on?

Katko, T., 2009, In : *Vesimittari, HS-Veden asiakaslehti*. 1, p. s. 8

Research output: Contribution to journal › Article › Professional

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

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

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

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

Järvinen, H., Honkanen, M., Oja, O., Järvenpää, M. & Peura, P., 2019, In : *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*. 50, 2, p. 816-836 21 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

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

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

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

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

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

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

Metals removal and recovery in bioelectrochemical systems: A review

Nancharaiyah, Y. V., Venkata Mohan, S. & Lens, P. N. L., 2015, In : *Bioresource Technology*. 195, p. 102-114 13 p.
Research output: Contribution to journal › Review Article › Scientific › peer-review

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

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

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

Mechanical properties of recovered municipal solid waste incineration bottom ash: the influence of aging and changes in moisture content

Sormunen, L. A. & Kolisoja, P., 2018, In : *Road Materials and Pavement Design*. 19, 2, p. 252-270
Research output: Contribution to journal › Article › Scientific › peer-review

Measures for Energy Efficient and Low Emission Private Mobility

Liimatainen, H., 2020, *Affordable and Clean Energy. Encyclopedia of the UN Sustainable Development Goals..* Springer, (Encyclopedia of the UN Sustainable Development Goals).
Research output: Chapter in Book/Report/Conference proceeding › Chapter › 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

Managing water supply through joint regional municipal authorities in Finland: Two comparative cases

Stenroos, M. & Katko, T. S., 2011, In : *Water*. 3, 2, p. 667-681
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

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

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

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

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

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

Tao, R., Bair, R., Pickett, M., Calabria, J. L., Lakaniemi, A-M., van Hullebusch, E. D., Rintala, J. A. & Yeh, D. H., 2020, In : *Environmental Technology*. 15 p.

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

Loppuluku – haasteita riittää tulevaisuuteen

Juuti, P. S. & 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. 131-144

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

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

Long-term strategic decisions in 13 countries and 29 cities

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

Hashmi, S. G., Tiihonen, A., Martineau, D., Özkan, M., Vivo, P., Kaunisto, K., Vainio, U., Zakeeruddin, S. M. & Grätzel, M., 2017, In : *Journal of Materials Chemistry A*. 5, 10, p. 4797-4802

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

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

Khanongnuch, R., Di Capua, F., Lakaniemi, A-M., Rene, E. R. & Lens, P., 29 Apr 2019, In : *Environmental Science: Water Research & Technology*. 5, 6, p. 1072-1081

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

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

Liite 6: Yleistä kaivannaisjätealueista ja patoturvallisuudesta

Leppänen, M., Välisalo, T. (ed.) & Laasonen, J., 2014, *Kaivosten stressitesti 2013*. Ympäristöministeriö, (Ympäristöministeriön raportteja).

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

Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu

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

Research output: Book/Report > Commissioned report > Professional

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

Learning for sustainable water and sanitation services

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

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

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

Lähde: Pohjavedenottamot

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

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

Laajentumisen aika

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

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

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

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

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

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

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

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

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

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

Kohti puhtaampaa Itämerä

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 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

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

Kirja-arviointi: Yliopistomme vaarassa hukkuu byrokraatiaan. Pekka Kauppi. Kahlittu yliopistomme. Miten vapaudumme byrokratiasta 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

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

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

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

Kapkaupungin pysyvä vesikriisi – ratkeaako 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

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

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

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

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

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

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

Jätevedenpuhdistuksen ja viemäröinnin vaiheita Helsingissä

Juuti, P. & Rajala, R., 2010, *Metropoli ja meri - 100 vuotta jätevedenpuhdistusta Helsingissä*. Juuti, P., Rajala, R. & Katko, T. (eds.). TamPub, p. 36-90

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

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 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

Ja alussa oli vesi

Juuti, P. & Rajala, R., 2011, *Vinttikaivosta vesiyhtiöön*. Juuti, P. & Rajala, R. (eds.). Saarijärvi: TamPub, p. 15-18
Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Inverse infrastructures: self-organization in the water services

Heino, O. & Anttiroiko, A-V., 2014, In : *Water Policy*. p. 299-315 17 p.
Research output: Contribution to journal > Article > 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

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

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

Katko, T. S. & Hukka, J. J., 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: Tampere University of Technology. Department of Civil Engineering, p. 419-430 12 p.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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

Translated title of the contribution: : Insentiivit julkisen sektorin innovaatiotoiminnan edistämisen välineinä. Esimerkinä Georgian osavaltion palvelu-uudistus
Anttiroiko, A-V. & Heino, O., 2012, In : *Työelämän tutkimus*. 10, 3, p. 298-305 8 p.
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., Kannianen, 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

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

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

Vivo, P., Ojanperä, A., Smätt, J-H., Sänden, 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

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

Kinnunen, V., Craggs, R. & Rintala, J., 2014, In : *Water Research*. 57, p. 247-257 11 p.

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

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

Kotilainen, M. & Vuoristo, P., 2015, *Surface Modification Technologies XXVIII: Tampere University of Technology Tampere, Finland June 16-18, 2014* . p. 481-491 11 p.

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

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

Lahti, J., Eiroma, K., Tenhunen, T-M., Pykönen, M. & Toivakka, M., 2010, *Iarigai 2010 Montreal, Advances in Printing and Media Technology, Montreal, Canada, September 12-15, 2010*. p. 1-7 7 p.

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

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

Sinkko, H., Hepolehto, I., Lyra, C., Rinta-Kanto, J. M., Villnäs, A., Norkko, A. & Timonen, S., 8 Nov 2019, In : *Scientific Reports*. 9, 16341.

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

Improved water services cooperation through clarification of rules and roles

Inha, L. M., Katko, T. S. & Rajala, R. P., 19 Oct 2019, In : *Water (Switzerland)*. 11, 10, 2172.

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

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

Mangayil, R., Aho, T., Karp, M. & Santala, V., 1 Mar 2015, In : *Renewable Energy*. 75, p. 583-589 7 p.

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

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

Kurki, V., Sidaraviciute, R., Sörensen, J., Kibocha, S. N., Retike, I., Ikobe, G., Tichonovas, M., Elijosiute, E. & Rajala, R., 2015, In : *Ympäristöhistoria: Finnish Journal of Environmental History*. 1/2015, p. 45-51 7 p.

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., Escudié, 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

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

Cajal-Marinoso, P., de la Calle, R., Rivas, F. J. & Tuhkanen, T., 2012, In : *Journal of Advanced Oxidation Technologies*. 15, 2, p. 429-436

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

Impact of heavy metals on denitrification of simulated mining wastewaters

Zou, G., Ylinen, A., Di Capua, F., Papirio, S., Lakaniemi, A-M. & Puhakka, J., 2013, In : *Advanced Materials Research*. 825, p. 500-503 4 p.

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

Ilmasto muuttuu, riittääkö vesi?

Juuti, P. & Katko, T., 2007, In : *Aamulehti*.

Research output: Contribution to journal › Article › General public

Ikääntyvä infra - vesihuollon keskeisin haaste

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

Heino, O., Katko, T. & Takala, A., 2010, In : *Vesitalous*. 6, p. 22-24

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

Identification of Wastewater Leaching into the Wells by HPLC-SEC Using UV and Fluorescence Detection

Szabo, H. M. & Tuhkanen, T., 2011, *Survival and Sustainability : Environmental concerns in the 21st Century*. Huseyin, G., Umut, T. & James, W. L. (eds.). Springer Berlin Heidelberg, p. 893-897 (Environmental Earth Sciences).

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

Hyvien yhteyksien ja hyvän veden kaupunki

Juuti, P., Rajala, R. & Pietilä, P., 2010, *Hyvän veden ja hyvien yhteyksien kaupunki : Riihimäen Veden historia*. Juuti, P., Rajala, R., Pietilä, P. & Katko, T. (eds.). TamPub, p. 314-333

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

Juuti, P., Rajala, R. P., Pietilä, P. E. & Katko, T. S., 2010, *Riihimäen Vesi*. 336 p.

Research output: Book/Report › Book › 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

Juuti, P., Rajala, R., Pietilä, P. & Katko, T., 2011, In : *Vesitalous*. 52, 5, p. 36-40

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

Hydrothermal carbonization of pulp mill streams

Wikberg, H., Ohra-aho, T., Honkanen, M., Kanerva, H., Harlin, A., Vippola, M. & Laine, C., 1 Jul 2016, In : *Bioresource Technology*. 212, p. 236-244 9 p.

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

Hydrolysed cellulose material as sulfate reduction electron donor to treat metal- and sulfate containing waste water

Lakaniemi, A-M., Nevatalo, L. M., Kaksonen, A. H. & Puhakka, J. A., 2007, In : *Advanced Materials Research*. 20-21, p. 326-326

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

Hydrogen sulfide removal from synthetic biogas using anoxic biofilm reactors

Khanongnuch, R., 21 May 2019, Tampere University. 187 p. (Tampere University Dissertations)

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

Hydrodynamic drag and velocity of micro-bubbles in dilute paper machine suspensions

Haapala, A., Honkanen, M., Liimatainen, H., Stoor, T. & Niinimäki, J., 2010, In : *Chemical Engineering Journal*. 162, p. 956-964

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

Hybrid barrier films by atmospheric inline plasma deposition on sol-gel coated PE-cardboard

Nättinen, K., Nikkola, J., Mannila, J., Vartiainen, J., Tuominen, M. & Lavonen, J., 2009, *Coatings for Plastics at NPE 2009, June 23-24, 2009, McCormick Place, Chicago, IL*. p. 8 p

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

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

Szabo, H. M., Lepistö, R. & Tuhkanen, T., 19 Feb 2016, In : International Journal of Environmental Analytical Chemistry. 96, 3, p. 257-270 14 p.

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

History of water and sanitation services in Finland in the urban-rural mixture : The Case of the City of Tampere, Finland

Katko, T. S. & Juuti, P. S., 2014, *A History of Water: Water and Urbanization: Series III, Volume 1*. Tvedt, T. & Oestigaard, T. (eds.). London: I. B. Tauris, p. 498-519 22 p.

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

Rajala, R., Juuti, P., Hukka, J. & Katko, T. S., 2019, *Resilient Water Services and Systems: The Foundation of Well-Being*. IWA Publishing, p. 15-30 16 p.

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

Historical development of water and sanitation services

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. 25-38

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

Historian hajuista 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 hajuista tuoksujen tulevaisuuteen: Pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta

Katko, T. S., 2017, 1 p. Tampere : TamPub.

Research output: Other contribution › Scientific

High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition

Pastor-Poquet, V., Papirio, S., Trably, E., Rintala, J., Escudié, R. & Esposito, G., 2019, In : INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY.

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

High rate autotrophic denitrification in fluidized-bed biofilm reactors

Zou, G., Papirio, S., Lakaniemi, A-M., Ahoranta, S. H. & Puhakka, J. A., 2016, In : Chemical Engineering Journal. 284, p. 1287-1294

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

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

Singh, S., 11 Dec 2019, Tampere University. 139 p. (Tampere University Dissertations)

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

Highly ductile amorphous oxide at room temperature and high strain rate

Frankberg, E. J., Kalikka, J., Ferré, F. G., Joly-Pottuz, L., Salminen, T., Hintikka, J., Hokka, M., Koneti, S., Douillard, T., Le Saint, B., Kreiml, P., Cordill, M. J., Epicier, T., Stauffer, D., Vanazzi, M., Roiban, L., Akola, J., Fonzo, F. D., Levänen, E. & Masenelli-Varlot, K., 15 Nov 2019, In : Science. 366, 6467, p. 864-869 6 p.

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

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

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

Juuti, P., Katko, T. & Rajala, R., 2011, In : *Kuntatekniikka*. 66, 1, p. 49-50

Research output: Contribution to journal › Article › Professional

Heikot signaalit vesihuollossa

Translated title of the contribution: : Heikot signaalit vesihuollossa

Heino, O. & Takala, A., 2013, In : *Vesitalous*. 4, p. 29-31 3 p.

Research output: Contribution to journal › Article › Professional

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

Halinen, A-K., 27 Nov 2015, Tampere University of Technology. 71 p. (Tampere University of Technology. Publication; vol. 1347)

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

Hätä ei häviä käymälöitä poistamalla

Juuti, P. S. & Katko, T. S., 2005, In : *www.huussi.net*. p. 7 s

Research output: Contribution to journal › Article › Professional

Hanaa! Suomen vesihuolto - kehitys ja yhteiskunnallinen merkitys

Translated title of the contribution: : Hanaa! : Suomen vesihuolto - kehitys ja yhteiskunnallinen merkitys

Katko, T. S., 2013, Helsinki: Suomen Vesilaitosyhdistys ry. 501 p.

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

Halpaa eli hyvää - minkälaisia merkityksiä vesihuoltoala rakentaa itsestään

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

Heino, O. & Takala, A., 2013, In : *Kunnallistieteellinen Aikakauskirja*. 41, 3, p. 226-245

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

Halogen-Bond-Assisted Photoluminescence Modulation in Carbazole-Based Emitter

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Translated title of the contribution: : Gestao e organizacao dos servicos de saneamento : Abordagens europeias.
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Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

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

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

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Economic analysis of hydrogen production by methane thermal decomposition: Comparison to competing technologies
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