

### **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 jätevedenpuhdistamoakaan minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päätäntäprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tulevaisuudessa*. 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.**

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

#### **Water security and resilience**

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

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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

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

### **Water education makes a global difference**

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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

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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 jätevedenpuhdistamoa 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**

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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 jalkapallopeleä**

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 jätevedenpuhdistamoakaan 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

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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 $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> 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 jätevedenpuhdistamo minun takapihalleni: Jätevedenpuhdistuksen päätöksenteko, päättämätöprosessit ja julkinen keskustelu Espoossa historiassa, nyt ja tuelvaisuudessa*. 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

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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**

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

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#### **Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?**

Translated title of the contribution: : Ulkoistaminen apuväline vesihuoltoverkostojen kunnossapitoon?  
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#### **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)  
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#### **Two Years after Donor Funding Ended: Success Factors for Schools to Keep their Urine-Diverting Dry Toilets (UDDTs) Clean and Well Maintained**

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Research output: Other contribution > Scientific

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Translated title of the contribution: : Tutkimuksen teoreettinen viitekehys

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Research output: Contribution to journal > Article > Scientific

### **Tuotanto- ja operointi-innovaatiot - case vesihuolto**

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Research output: Contribution to journal > Article > Scientific

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

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

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

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

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**The effect of anode potential on bioelectrochemical and electrochemical tetrathionate degradation**

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**The doors of operating devices mitigation influence to the electric field exposure at 110kV substation tasks on service platforms**

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

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

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

**The 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

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

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Research output: Contribution to journal › Article › Professional

### **Teräsrumpujen uudet korjausmenetelmät: Halkaistu sisäputki, puolipohjaus ja pohjan betonointi**

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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

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

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### **Technology development theories and water services evolution**

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

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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**

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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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### **Syytä olla ylpeä**

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

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**Suomen vesihuollon kehitys kansainvälisessä kontekstissa**

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

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**Stabilization of fine fraction from landfill mining in leach bed reactor**

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Research output: Other contribution > Scientific

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

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**Ravinnevisio: Selvitys Pirkanmaan puhdistamolietteiden ja biojätteiden ravinteista ja niiden potentiaalisesta käytöstä**

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Research output: Book/Report > Commissioned report > Professional

**Rating the impact sound insulation of concrete floors with single-number quantities based on a psychoacoustic experiment**

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**Rakennusten energiankulutuksen perusskenaario Suomessa 2015-2050**

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

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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

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Research output: Book/Report › Commissioned report › Professional

### **Pt-functionalized Fe<sub>2</sub>O<sub>3</sub> photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state**

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### **Prologue**

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### **Production of Oleaginous Microbial Biomass by Reusing Wastewaters**

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

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

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

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

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### **"Poika, nyt lähdettiin hommiin" - vesilaitos syntyy**

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

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Research output: Working paper › Discussion paper › Professional

### **Pohjavesi, meidän vesi**

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### **Plasma-Assisted Fabrication of Fe<sub>2</sub>O<sub>3</sub> - Co<sub>3</sub>O<sub>4</sub> Nanomaterials as Anodes for Photoelectrochemical Water Splitting**

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### **Pintavedestä pohjaveteen ja tekopohjaveteen**

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

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### **Perfusion characterization using flow simulations and $\mu$ PIV measurements**

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### **Part V: Comparative Analysis of the Omnipresent Water Fountains**

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

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### **Part III: Modern urban infrastructure. Introduction**

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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  
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### **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.  
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### **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.  
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### **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**

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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

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Research output: Contribution to journal > Article > Scientific

### **Pääkaupunkiseudun moderni jätevedenpuhdistus ja Viikinmäen puhdistamo**

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

### **Osuuskunnat mukaan infrastruktuuripolitiikkaan**

Translated title of the contribution: : Osuuskunnat mukaan infrastruktuuripolitiikkaan

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

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### **Opening of the seminar**

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

### **Occupational Exposure to Extremely Low Frequency Electric Fields in Office Work**

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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**

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

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

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**Negotiating water governance: towards cooperation in contentious groundwater recharge projects**

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**Näkymätönt Porri. Porin veden historia**

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

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

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### **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**

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

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

**Mihin jätevedenpuhdistusta tarvitaan?**

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

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

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**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

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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**

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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

#### **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**

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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**

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#### **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**

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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**

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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**

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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  
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#### **Luminescent bacteria-based sensing method for methylmercury specific determination**

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

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

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

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

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### **Loppuluku – haasteita riittää tulevaisuuteen**

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

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

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### **Long-term strategic decisions in 13 countries and 29 cities**

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### **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

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

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

### **Liikenteen päästötavoitteiden saavuttaminen 2030 - politiikkatoimenpiteiden tarkastelu**

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Research output: Book/Report > Commissioned report > Professional

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

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#### **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 Duurzame 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 byrokraatiasta ja opetuksen ylenkatsomisesta. Into Kustannus Oy. 2017.**

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

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

Research output: Contribution to journal > Article > Scientific

### **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

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Research output: Contribution to journal > Article > Scientific

### **Kinetics of biomass pyrolysis**

Kokko, L., Tolvanen, H., Hankalin, V. & Raiko, R., 2010, *BioRefine Yearbook 2010. Tekes Rewiew*. 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?

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Research output: Contribution to journal > Article > Professional

### **Käänteiset infrastruktuurit ja integroiva infrastruktuuripolitiikka**

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

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

### **Joukkoliikenteellä on tärkeä rooli liikenteen päästöjen vähentämisessä**

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

#### **Ja alussa oli vesi**

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#### **Inverse infrastructures: self-organization in the water services**

Heino, O. & Anttiroiko, A-V., 2014, In : *Water Policy*. p. 299-315 17 p.  
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#### **Introduction: Evolution and futures of water management: strategic decisions, challenges and effectiveness**

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

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

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

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

Ciranna, A., Ferrari, R., Santala, V. & Karp, M., 15 Apr 2014, In : *International Journal of Hydrogen Energy*. 39, 12, p. 6391-6401 11 p.  
Research output: Contribution to journal > Article > Scientific > peer-review

**Influence of TiO<sub>2</sub> 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**

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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.

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**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**

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



### **Impact of heavy metals on denitrification of simulated mining wastewaters**

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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

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

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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

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### **Hyvän veden ja hyvien yhteyksien kaupunki - Riihimäen Veden historia**

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

### **Hydrothermal carbonization of pulp mill streams**

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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**

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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**

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

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

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

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#### **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.

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#### **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 hajusta tuoksujen tulevaisuuteen: pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta**

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

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

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

#### **Historian hajusta tuoksujen tulevaisuuteen: Pääkaupunkiseudun jätevedenpuhdistuksen keskeiset päätökset Espoon näkökulmasta**

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

Research output: Other contribution › Scientific

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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

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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**

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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.

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

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

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Research output: Contribution to journal › Article › Professional

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Research output: Contribution to journal › Article › Professional

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

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