

Franzén R, Kronberg L. **Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor.** Environmental Science and Technology. 1994;28(12):2222-2227. <https://doi.org/10.1021/es00061a035>

Smeds A, Franzen R, Kronberg L. **Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters.** Environmental Science and Technology. 1995;29(7):1839-1844. <https://doi.org/10.1021/es00007a022>

Jokela JPY, Rintala JA. **Anaerobic solubilisation of nitrogen from municipal solid waste (MSW).** Reviews in Environmental Science and Bio-Technology. 2003;2(1):67-77. <https://doi.org/10.1023/B:RESB.0000022830.62176.36>

Suvilampi J, Rintala J. **Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality.** Reviews in Environmental Science and Bio-Technology. 2003;2(1):35-51. <https://doi.org/10.1023/B:RESB.0000022959.46025.9a>

Seppälä M, Paavola T, Lehtomäki A, Pakarinen O, Rintala J. **Biogas from energy crops - Optimal pre-treatments and storage, co-digestion and energy balance in boreal conditions.** Water Science and Technology. 2008;58(9):1857-1863. <https://doi.org/10.2166/wst.2008.503>

Kaparaju PLN, Rintala JA. **Effects of solid-liquid separation on recovering residual methane and nitrogen from digested dairy cow manure.** Bioresource Technology. 2008 tammi;99(1):120-127. <https://doi.org/10.1016/j.biortech.2006.11.046>

Paavola T, Rintala J. **Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste.** Bioresource Technology. 2008 loka;99(15):7041-7050. <https://doi.org/10.1016/j.biortech.2008.01.005>

Pakarinen O, Lehtomäki A, Rissanen S, Rintala J. **Storing energy crops for methane production: Effects of solids content and biological additive.** Bioresource Technology. 2008 loka;99(15):7074-7082. <https://doi.org/10.1016/j.biortech.2008.01.007>

Einola J-KM, Sormunen KM, Rintala JA. **Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste.** Science of the Total Environment. 2008 joulu 15;407(1):67-83. <https://doi.org/10.1016/j.scitotenv.2008.08.016>

Sormunen K, Ettala M, Rintala J. **Internal leachate quality in a municipal solid waste landfill: Vertical, horizontal and temporal variation and impacts of leachate recirculation.** Journal of Hazardous Materials. 2008 joulu 30;160(2-3):601-607. <https://doi.org/10.1016/j.jhazmat.2008.03.081>

Wang H, Lehtomäki A, Tolvanen K, Puhakka J, Rintala J. **Impact of crop species on bacterial community structure during anaerobic co-digestion of crops and cow manure.** Bioresource Technology. 2009 huhti;100(7):2311-2315. <https://doi.org/10.1016/j.biortech.2008.10.040>

Seppälä M, Paavola T, Lehtomäki A, Rintala J. **Biogas production from boreal herbaceous grasses - Specific methane yield and methane yield per hectare.** Bioresource Technology. 2009 kesä;100(12):2952-2958. <https://doi.org/10.1016/j.biortech.2009.01.044>

Sivula L, Ilander A, Väisänen A, Rintala J. **Weathering of gasification and grate bottom ash in anaerobic conditions.** Journal of Hazardous Materials. 2010 helmi 15;174(1-3):344-351. <https://doi.org/10.1016/j.jhazmat.2009.09.056>

Jagadabhi PS, Kaparaju P, Rintala J. **Effect of micro-aeration and leachate replacement on COD solubilization and VFA production during mono-digestion of grass-silage in one-stage leach-bed reactors.** Bioresource Technology. 2010 huhti;101(8):2818-2824. <https://doi.org/10.1016/j.biortech.2009.10.083>

Jagadabhi PS, Kaparaju P, Rintala J. **Two-stage anaerobic digestion of tomato, cucumber, common reed and grass silage in leach-bed reactors and upflow anaerobic sludge blanket reactors.** *Bioresource Technology*. 2011 huhti;102(7):4726-4733. <https://doi.org/10.1016/j.biortech.2011.01.052>

Pakarinen O, Kaparaju P, Rintala J. **The effect of organic loading rate and retention time on hydrogen production from a methanogenic CSTR.** *Bioresource Technology*. 2011 loka;102(19):8952-8957. <https://doi.org/10.1016/j.biortech.2011.07.020>

Lee K, Lee SY, Na JG, Jeon SG, Praveenkumar R, Kim DM et al. **Magnetophoretic harvesting of oleaginous *Chlorella* sp. by using biocompatible chitosan/magnetic nanoparticle composites.** *Bioresource Technology*. 2013 joulu;149:575-578. <https://doi.org/10.1016/j.biortech.2013.09.074>

Lee K, Lee SY, Praveenkumar R, Kim B, Seo JY, Jeon SG et al. **Repeated use of stable magnetic flocculant for efficient harvest of oleaginous *Chlorella* sp.** *Bioresource Technology*. 2014;167:284-290. <https://doi.org/10.1016/j.biortech.2014.06.055>

Nikhil , Puhakka JA, Visa A, Yli-Harja O. **Software design for simulating microbial bioprocesses in bioreactor.** julkaisussa 6th International Conference on Environmental Informatics, ISEIS 2007. International Society for Environmental Information Sciences. 2014. 60700018

Praveenkumar R, Kim B, Choi E, Lee K, Park JY, Lee JS et al. **Improved biomass and lipid production in a mixotrophic culture of *Chlorella* sp. KR-1 with addition of coal-fired flue-gas.** *Bioresource Technology*. 2014 marras 1;171:500-505. <https://doi.org/10.1016/j.biortech.2014.08.112>

Taskan E, Özkaya B, Hasar H. **Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC.** *Water Science and Technology*. 2015;71(3):320-328. <https://doi.org/10.2166/wst.2014.487>

Palmroth MRT, Mönkäre TJ, Steffen KT. **Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential.** julkaisussa Kalogerakis N, Fava F, Manousaki E, toimittajat, Book of abstracts of the 6th European Bioremediation Conference. 2015. s. 47. 169

Nancharaiah YV, Venkata Mohan S, Lens PNL. **Metals removal and recovery in bioelectrochemical systems: A review.** *Bioresource Technology*. 2015;195:102-114. <https://doi.org/10.1016/j.biortech.2015.06.058>

Taddeo R, Lepistö R. **Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors.** *Water Science and Technology*. 2015;71(6):892-897. <https://doi.org/10.2166/wst.2015.045>

Zou G, Papirio S, van Hullebusch ED, Puhakka JA. **Fluidized-bed denitrification of mining water tolerates high nickel concentrations.** *Bioresource Technology*. 2015 maaliskuu 1;179:284-290. <https://doi.org/10.1016/j.biortech.2014.12.044>

Marjakangas JM, Lakaniemi AM, Koskinen PEP, Chang JS, Puhakka JA. **Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent.** *Biochemical Engineering Journal*. 2015 heinä 5;99:48-54. <https://doi.org/10.1016/j.bej.2015.03.006>

Kokko ME, Mäkinen AE, Sulonen MLK, Puhakka JA. **Effects of anode potentials on bioelectrogenic conversion of xylose and microbial community compositions.** *Biochemical Engineering Journal*. 2015 syys 5;101:248-252. <https://doi.org/10.1016/j.bej.2015.06.007>

Polishchuk A, Valev D, Tarvainen M, Mishra S, Kinnunen V, Antal T et al. **Cultivation of *Nannochloropsis* for eicosapentaenoic acid production in wastewaters of pulp and paper industry.** *Bioresource Technology*. 2015 loka 1;193:469-476. <https://doi.org/10.1016/j.biortech.2015.06.135>

Vinha J, Manelius E, Korpi M, Salminen K, Kurnitski J, Kiviste M et al. **Airtightness of residential buildings in Finland.** *Building and Environment*. 2015 marras 1;93(P2):128-140. <https://doi.org/10.1016/j.buildenv.2015.06.011>

Marjakangas JM, Chen CY, Lakaniemi AM, Puhakka JA, Whang LM, Chang JS. **Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater.** *Biochemical Engineering Journal*. 2015 marras 5;103:177-184. <https://doi.org/10.1016/j.bej.2015.07.011>

Kim DY, Vijayan D, Praveenkumar R, Han JI, Lee K, Park JY et al. **Cell-wall disruption and lipid/astaxanthin extraction from microalgae: *Chlorella* and *Haematococcus*.** *Bioresource Technology*. 2016;199:300-310. <https://doi.org/10.1016/j.biortech.2015.08.107>

Solala I, Koistinen A, Siljander S, Vuorinen J, Vuorinen T. **Composites of high-temperature thermomechanical pulps and polylactic acid.** *BioResources*. 2016;11(1):1125-1140. <https://doi.org/10.15376/biores.11.1.1125-1140>

Tukiainen A, Aho A, Polojärvi V, Ahorinta R, Guina M. **High efficiency dilute nitride solar cells: Simulations meet experiments.** *Journal of Green Engineering*. 2016;5(3-4):113-132. 8. <https://doi.org/10.13052/jge1904-4720.5348>

Tampio E, Salo T, Rintala J. **Agronomic characteristics of five different urban waste digestates.** *Journal of Environmental Management*. 2016 maaliskuu 15;169:293-302. <https://doi.org/10.1016/j.jenvman.2016.01.001>

Mensah-Attipoe J, Saari S, Veijalainen AM, Pasanen P, Keskinen J, Leskinen JTT et al. **Release and characteristics of fungal fragments in various conditions.** *Science of the Total Environment*. 2016 maaliskuu 15;547:234-243. <https://doi.org/10.1016/j.scitotenv.2015.12.095>

Mal J, Nanchaiah YV, van Hullebusch ED, Lens PNL. **Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge.** *Bioresource Technology*. 2016 huhtikuu 1;206:1-8. <https://doi.org/10.1016/j.biortech.2016.01.064>

Nykänen L, Liimatainen H. **Possible impacts of increasing maximum truck weight: Finland case study.** julkaisussa Blanquart C, Clausen U, Jacob B, toimittajat, Towards innovative freight and logistics: Research for innovative transports set . Vuosikerta 2. Great Britain: Wiley-ISTE. 2016. s. 121-133

Wikberg H, Ohra-aho T, Honkanen M, Kanerva H, Harlin A, Vippola M et al. **Hydrothermal carbonization of pulp mill streams.** *Bioresource Technology*. 2016 heinäkuu 1;212:236-244. <https://doi.org/10.1016/j.biortech.2016.04.061>

van Hullebusch ED, Guibaud G, Simon S, Lenz M, Yekta SS, Feroso FG et al. **Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems: An overview.** *Critical Reviews in Environmental Science and Technology*. 2016 elokuu 17;46(16):1324-1366. <https://doi.org/10.1080/10643389.2016.1235943>

Nanchaiah YV, Venkata Mohan S, Lens PNL. **Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems.** *Bioresource Technology*. 2016 syyskuu;215:173-185. <https://doi.org/10.1016/j.biortech.2016.03.129>

Sulonen MLK, Lakaniemi AM, Kokko ME, Puhakka JA. **Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation.** *Bioresource Technology*. 2016 syyskuu 1;216:876-882. <https://doi.org/10.1016/j.biortech.2016.06.024>

Palmroth MRT, Pispala L, Kettunen RH, Hänninen T, Rintala JA. **Mitigation of propylene glycol emissions to groundwater and soil.** 2016. Julkaisun esittämispäivä: Nordrocs 2016, 6th Joint Nordic Meeting on Remediation of Contaminated Sites, Espoo, Suomi.

Taddeo R, Kolppa K, Lepistö R. **Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries.** *Journal of Environmental Management*. 2016 syyskuu 15;180:52-58. <https://doi.org/10.1016/j.jenvman.2016.05.009>

Laitinen A, Keskinen J. **Performance of a sonic jet-type charger in high dust load.** Journal of Electrostatics. 2016 loka 1;83:1-6. <https://doi.org/10.1016/j.elstat.2016.06.002>

Kim B, Praveenkumar R, Lee J, Nam B, Kim DM, Lee K et al. **Magnesium aminoclay enhances lipid production of mixotrophic *Chlorella* sp. KR-1 while reducing bacterial populations.** Bioresource Technology. 2016 marras 1;219:608-613. <https://doi.org/10.1016/j.biortech.2016.08.034>

Ramasamy P, Kim B, Lee J, Vijayan D, Lee K, Nam B et al. **Mild pressure induces rapid accumulation of neutral lipid (triacylglycerol) in *Chlorella* spp.** Bioresource Technology. 2016 marras 1;220:661-665. <https://doi.org/10.1016/j.biortech.2016.09.025>

Kinnunen V, Rintala J. **The effect of low-temperature pretreatment on the solubilization and biomethane potential of microalgae biomass grown in synthetic and wastewater media.** Bioresource Technology. 2016 joulu 1;221:78-84. <https://doi.org/10.1016/j.biortech.2016.09.017>

Mal J, Nancharaiyah YV, van Hullebusch ED, Lens PNL. **Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor.** Bioresource Technology. 2017;229:11-19. <https://doi.org/10.1016/j.biortech.2016.12.112>

Tao R, Lakaniemi A-M, Rintala JA. **Cultivation of *Scenedesmus acuminatus* in different liquid digestates from anaerobic digestion of pulp and paper industry biosludge.** Bioresource Technology. 2017;245(A):706-713. <https://doi.org/10.1016/j.biortech.2017.08.218>

Auvinen H, Gagnon V, Rousseau DPL, du Laing G. **Fate of metallic engineered nanomaterials in constructed wetlands: prospection and future research perspectives.** Reviews in Environmental Science and Bio-Technology. 2017;16(2):207-222. <https://doi.org/10.1007/s11157-017-9427-0>

Di Capua F, Milone I, Lakaniemi A-M, Hullebusch EDV, Lens PNL, Esposito G. **Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor.** Bioresource Technology. 2017 elo 1;238:534-541. <https://doi.org/10.1016/j.biortech.2017.04.082>

Leivo V, Prasauskas T, Du L, Turunen M, Kiviste M, Aaltonen A et al. **Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings.** Science of the Total Environment. 2018 huhti;621:398-406. <https://doi.org/10.1016/j.scitotenv.2017.11.227>

Taddeo R, Honkanen M, Kolppo K, Lepistö R. **Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters: Process feasibility and struvite quality.** Journal of Environmental Management. 2018 huhti 15;212:433-439. <https://doi.org/10.1016/j.jenvman.2018.02.027>

Kokko M, Epple S, Gescher J, Kerzenmacher S. **Effects of wastewater constituents and operational conditions on the composition and dynamics of anodic microbial communities in bioelectrochemical systems.** Bioresource Technology. 2018 kesä 1;258:376-389. <https://doi.org/10.1016/j.biortech.2018.01.090>

Keskikuru T, Salo J, Huttunen P, Kokotti H, Hyttinen M, Halonen R et al. **Radon, fungal spores and MVOCs reduction in crawl space house: A case study and crawl space development by hygrothermal modelling.** Building and Environment. 2018 kesä 15;138:1-10. <https://doi.org/10.1016/j.buildenv.2018.04.026>

Eregowda T, Matanhike L, Rene ER, Lens PNL. **Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production.** Bioresource Technology. 2018 syys 1;263:591-600. <https://doi.org/10.1016/j.biortech.2018.04.095>

Dessi P, Porca E, Lakaniemi A-M, Collins G, Lens PNL. **Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater.** Biochemical Engineering Journal. 2018 syys 15;137:214-221. <https://doi.org/10.1016/j.bej.2018.05.027>

Tan LC, Nancharaiah YV, Lu S, van Hullebusch ED, Gerlach R, Lens PNL. **Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0.** Chemosphere. 2018 marras 1;211:684-693. <https://doi.org/10.1016/j.chemosphere.2018.07.079>

Länsivaara T. **Editorial.** Environmental Geotechnics. 2018 joulu 17;5(6). <https://doi.org/10.1680/jenge.2018.5.6.309>

El-Qelish M, Chatterjee P, Dessi P, Kokko M, El-Gohary F, Abo-Aly M et al. **Bio-hydrogen Production from Sewage Sludge: Screening for Pretreatments and Semi-continuous Reactor Operation.** Waste and Biomass Valorization. 2019. <https://doi.org/10.1007/s12649-019-00743-5>

Pastor-Poquet V, Papirio S, Trably E, Rintala J, Escudié R, Esposito G. **High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition.** INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY. 2019. <https://doi.org/10.1007/s13762-019-02264-z>

Schönborn G, Berlin C, Pinzone M, Hanisch C, Georgoulas K, Lanz M. **Why social sustainability counts: The impact of corporate social sustainability culture on financial success.** Sustainable Production and Consumption. 2019 tammi 1;17:1-10. <https://doi.org/10.1016/j.spc.2018.08.008>

Pastor-Poquet V, Papirio S, Trably E, Rintala J, Escudié R, Esposito G. **Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust: Assessment of the maximum operational total solid content.** Journal of Environmental Management. 2019 helmi 1;231:1293-1302. <https://doi.org/10.1016/j.jenvman.2018.10.002>

Du L, Leivo V, Prasauskas T, Täubel M, Martuzevicius D, Haverinen-Shaughnessy U. **Effects of energy retrofits on Indoor Air Quality in multifamily buildings.** Indoor Air. 2019 maaliskuu 28. <https://doi.org/10.1111/ina.12555>

Hajdu-Rahkama R, Ahoranta S, Lakaniemi A-M, Puhakka JA. **Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms.** Biochemical Engineering Journal. 2019 loka 15;150. 107286. <https://doi.org/10.1016/j.bej.2019.107286>

Singh S, Rinta-Kanto JM, Kettunen R, Tolvanen H, Lens P, Collins G et al. **Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C: Process performance and microbial community dynamics.** Science of the Total Environment. 2019 marras 15;691:960-968. <https://doi.org/10.1016/j.scitotenv.2019.07.136>

Dessi P, Chatterjee P, Mills S, Kokko M, Lakaniemi A-M, Collins G et al. **Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells.** Bioresource Technology. 2019 joulu 1;294. 122115. <https://doi.org/10.1016/j.biortech.2019.122115>