

Estimation of the largest expected photovoltaic power ramp rates. / Lappalainen, Kari; Wang, Guang C.; Kleissl, Jan.
In: Applied Energy, Vol. 278, 115636, 15.11.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Physicochemical and elemental analyses of sandstone quarrying wastes to assess their impact on soil properties. / Singhal, Abhishek; Goel, Sudha; Sengupta, Debashish.
In: Journal of Environmental Management, Vol. 271, 111011, 01.10.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Multifrequency Pulsar Image Classification Using Dual-Band 1D Convolutional Neural Networks. / Ahishali, Mete; Kiranyaz, Serkan; Ince, Turker; Gabbouj, Moncef.
2020 Mediterranean and Middle-East Geoscience and Remote Sensing Symposium, M2GARSS 2020 - Proceedings. IEEE, 2020. p. 73-76.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Terrestrial laser scanning for non-destructive estimates of liana stem biomass. / Krishna Moorthy, Sruthi M.; Raunonen, Pasi; Van den Bulcke, Jan; Calders, Kim; Verbeeck, Hans.
In: FOREST ECOLOGY AND MANAGEMENT, Vol. 456, 117751, 15.01.2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Customer-oriented approach in cadastral procedures – Case study from Finland. / Sulonen, Kimmo; Riekkinen, Kirsikka; Kotilainen, Seija.
In: Land Use Policy, Vol. 90, 104209, 2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Urban housing density and infrastructure costs. / Kurvinen, Antti; Saari, Arto.
In: Sustainability (Switzerland), Vol. 12, No. 2, 497, 2020.
Research output: Contribution to journal › Article › Scientific › peer-review

Potential of renewable fuel to reduce diesel exhaust particle emissions. / Pirjola, Liisa; Kuuluvainen, Heino; Timonen, Hilikka; Saarikoski, Sanna; Teinilä, Kimmo; Salo, Laura; Datta, Arindam; Simonen, Pauli; Karjalainen, Panu; Kulmala, Kari; Rönkkö, Topi.
In: Applied Energy, Vol. 254, 113636, 15.11.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Building university-industry co-innovation networks in transnational innovation ecosystems : Towards a transdisciplinary approach of integrating social sciences and artificial intelligence. / Cai, Yuzhuo; Ferrer, Borja Ramis; Lastra, Jose Luis Martinez.
In: Sustainability, Vol. 11, No. 17, 4633, 01.09.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

The potential of biomethane in replacing fossil fuels in heavy transport-a case study on Finland. / Pääkkönen, Anna; Aro, Kalle; Aalto, Pami; Konttinen, Jukka; Kojo, Matti.
In: Sustainability, Vol. 11, No. 17, 4750, 01.09.2019.
Research output: Contribution to journal › Article › Scientific › peer-review

Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region. / Kahle, Hermann; Phung, Hoy-My; Penttinen, Jussi-Pekka; Rajala, Patrik; Tukiainen, Antti; Ranta, Sanna; Guina, Mircea.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Frequency Comb Generation in a Continuous-Wave Pumped Second-Order Nonlinear Waveguide Resonator. / Abdallah, Zeina; Stefszky, Michael; Ulvila, Ville; Silberhorn, Christine; Vainio, Markku.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

High-Q resonance train in a plasmonic metasurface. / Saad-Bin-Alam, Md; Reshef, Orad; Huttunen, Mikko J.; Carlow, Graham; Sullivan, Brian; Menard, Jean Michel; Dolgaleva, Ksenia; Boyd, Robert W.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Optical Frequency Comb Photoacoustic Spectroscopy. / Sadiq, Ibrahim; Mikkonen, Tommi; Vainio, Markku; Toivonen, Juha; Foltynowicz, Aleksandra.
2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings. IEEE, 2019.
Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

The potential of electric trucks – An international commodity-level analysis. / Liimatainen, Heikki; van Vliet, Oscar; Aplyn, David.
In: Applied Energy, Vol. 236, 15.02.2019, p. 804-814.
Research output: Contribution to journal > Article > Scientific > peer-review

Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust : Assessment of the maximum operational total solid content. / Pastor-Poquet, Vicente; Papirio, Stefano; Trably, Eric; Rintala, Jukka; Escudié, Renaud; Esposito, Giovanni.
In: Journal of Environmental Management, Vol. 231, 01.02.2019, p. 1293-1302.
Research output: Contribution to journal > Article > Scientific > peer-review

Characteristics of particle emissions and their atmospheric dilution during co-combustion of coal and wood pellets in a large combined heat and power plant. / Mylläri, Fanni; Pirjola, Liisa; Lihavainen, Heikki; Asmi, Eija; Saukko, Erkka; Laurila, Tuomas; Vakkari, Ville; O'Connor, Ewan; Rautiainen, Jani; Häyrynen, Anna; Niemelä, Ville; Maunula, Joni; Hillamo, Risto; Keskinen, Jorma; Rönkkö, Topi.
In: Journal of the Air and Waste Management Association, 2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Technology valuation method for supporting knowledge management in technology decisions to gain sustainability. / Mämmelä, Janne; Juuti, Tero; Julkunen, Pasi.
In: Sustainability (Switzerland), Vol. 11, No. 12, 3410, 2019.
Research output: Contribution to journal > Article > Scientific > peer-review

Editorial. / Länsivaara, Tim.
In: Environmental Geotechnics, Vol. 5, No. 6, 17.12.2018.
Research output: Contribution to journal > Editorial > Scientific

A comparative analysis of global datasets and initiatives for urban health and sustainability. / Taylor, Jonathon; Haines, Andy; Milner, James; Davies, Mike; Wilkinson, Paul; Sehgal, Meena; Singh, Kanwal Nayan; Barreto, Mauricio; Vianna, Nelzair; Teles, Carlos.
In: Sustainability (Switzerland), Vol. 10, No. 10, 3636, 11.10.2018.
Research output: Contribution to journal > Article > Scientific > peer-review

Production of alkanes from CO₂ by engineered bacteria. / Lehtinen, Tapio; Virtanen, Henri; Santala, Suvi; Santala, Ville.
In: Biotechnology for Biofuels, Vol. 11, 228, 21.08.2018.
Research output: Contribution to journal > Article > Scientific > peer-review

Energy consumption of Finnish schools and daycare centers and the correlation to regulatory building permit values. / Ruusala, Annu; Laukkarinen, Anssi; Vinha, Juha.
In: Energy Policy, Vol. 119, 01.08.2018, p. 183-195.
Research output: Contribution to journal > Article > Scientific > peer-review

Metabolic pairing of aerobic and anaerobic production in a one-pot batch cultivation. / Salmela, Milla; Lehtinen, Tapio; Efimova, Elena; Santala, Suvi; Mangayil, Rahul.
In: Biotechnology for Biofuels, Vol. 11, No. 1, 187, 03.07.2018.

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

Cross-impact analysis of Finnish electricity system with increased renewables : Long-run energy policy challenges in balancing supply and consumption. / Panula-Ontto, Juha; Luukkanen, Jyrki; Kaivo-oja, Jari; O'Mahony, Tadhg; Vehmas, Jarmo; Valkealahti, Seppo; Björkqvist, Tomas; Korpela, Timo; Järventausta, Pertti; Majanne, Yrjö; Kojo, Matti; Aalto, Pami; Harsia, Pirkko; Kallioharju, Kari; Holttinen, Hannele; Repo, Sami.

In: Energy Policy, Vol. 118, 01.07.2018, p. 504-513.

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

Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters : Process feasibility and struvite quality. / Taddeo, Raffaele; Honkanen, Mari; Kolppo, Kari; Lepistö, Raghida.

In: Journal of Environmental Management, Vol. 212, 15.04.2018, p. 433-439.

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

Techno-economic evaluation of integrating torrefaction with anaerobic digestion. / Doddapaneni, Tharaka Rama Krishna C.; Praveenkumar, Ramasamy; Tolvanen, Henrik; Rintala, Jukka; Konttinen, Jukka.

In: Applied Energy, Vol. 213, 2018, p. 272-284.

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

Landowners' willingness to promote bioenergy production on wasteland – future impact on land use of cutaway peatlands. / Laasasenaho, Kari; Lensu, Anssi; Rintala, Jukka; Lauhanen, Risto.

In: Land Use Policy, Vol. 69, 01.12.2017, p. 167-175.

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

Change program management : Toward a capability for managing value-oriented, integrated multi-project change in its context. / Martinsuo, Miia; Hoverfält, Päivi.

In: International Journal of Project Management, Vol. 36, No. 1, 12.2017, p. 134 – 146.

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

Sustainable project management through project control in infrastructure projects. / Kivillä, Jesse; Martinsuo, Miia; Vuorinen, Lauri.

In: International Journal of Project Management, Vol. 35, No. 6, 08.2017, p. 1167 – 1183.

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

The variation of air and surface temperatures in London within a 1km grid using vehicle-transect and ASTER data. / Dos Santos, Rochelle Schneider; Taylor, Jonathon; Davies, Michael; Mavrogianni, Anna; Milner, James. 2017 Joint Urban Remote Sensing Event, JURSE 2017. Institute of Electrical and Electronics Engineers Inc., 2017. 7924613 (2017 Joint Urban Remote Sensing Event, JURSE 2017).

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

Advances in determining Δu and S_u for limit equilibrium analyses. / Lehtonen, Ville; Länsivaara, Tim.

Landslides in Sensitive Clays: From Research to Implementation. Springer, 2017. p. 237-247 (Advances in Natural and Technological Hazards Research; Vol. 46).

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

Determination of remoulding energy of sensitive clays. / Thakur, Vikas; Degago, Samson Abate; Selänpää, Juha; Länsivaara, Tim.

Landslides in Sensitive Clays: From Research to Implementation. Springer, 2017. p. 97-107 (Advances in Natural and Technological Hazards Research; Vol. 46).

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

Effects of sample disturbance in the determination of soil parameters for advanced finite element modelling of sensitive clays. / D'Ignazio, Marco; Jostad, Hans Petter; Länsivaara, Tim; Lehtonen, Ville; Mansikkamäki, Juho; Meehan, Christopher.

Landslides in Sensitive Clays: From Research to Implementation. Springer, 2017. p. 146-154 (Advances in Natural and Technological Hazards Research; Vol. 46).

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

Problems related to field vane testing in soft soil conditions and improved reliability of measurements using an innovative field vane device. / Selänpää, Juha; Buò, Bruno Di; Lämsivaara, Tim; D'Ignazio, Marco.

Landslides in Sensitive Clays: From Research to Implementation. Springer, 2017. p. 121-131 (Advances in Natural and Technological Hazards Research; Vol. 46).

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

Project change stakeholder communication. / Butt, Aurangzeab; Naaranoja, Marja; Savolainen, Jussi.

In: International Journal of Project Management, Vol. 34, No. 8, 01.11.2016, p. 1579-1595.

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

Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries. / Taddeo, Raffaele; Kolppo, Kari; Lepistö, Raghida.

In: Journal of Environmental Management, Vol. 180, 15.09.2016, p. 52-58.

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

Enhancing the supplier's non-contractual project relationships with designers. / Sariola, Rami; Martinsuo, Miia.

In: International Journal of Project Management, Vol. 34, No. 6, 01.08.2016, p. 923-936.

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

Agronomic characteristics of five different urban waste digestates. / Tampio, Elina; Salo, Tapio; Rintala, Jukka.

In: Journal of Environmental Management, Vol. 169, 15.03.2016, p. 293-302.

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

From the front end of projects to the back end of operations : Managing projects for value creation throughout the system lifecycle. / Arto, Karlos; Ahola, Tuomas; Vartiainen, Valtteri.

In: International Journal of Project Management, Vol. 34, No. 2, 01.02.2016, p. 258-270.

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

Clashing coalitions : A discourse analysis of an artificial groundwater recharge project in Finland. / Kurki, Vuokko; Takala, Annina; Vinnari, Eija.

In: Local Environment, Vol. 21, No. 11, 2016, p. 1317-1331.

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

Metabolic engineering of *Acinetobacter baylyi* ADP1 for removal of *Clostridium butyricum* growth inhibitors produced from lignocellulosic hydrolysates. / Kannisto, Matti S.; Mangayil, Rahul K.; Shrivastava-Bhattacharya, Ankita; Pletschke, Brett I.; Karp, Matti T.; Santala, Ville P.

In: Biotechnology for Biofuels, Vol. 8, No. 1, 198, 01.12.2015.

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

Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory. /

Koivisto, A. J.; Jensen, A. C Ø; Levin, M.; Kling, K. I.; Maso, M. Dal; Nielsen, S. H.; Jensen, K. A.; Koponen, I. K.

In: Environmental Sciences: Processes and Impacts, Vol. 17, No. 1, 01.01.2015, p. 62-73.

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

Groundwater as a source of conflict and cooperation : Towards creating mutual gains in a finnish water supply project. /

Kurki, Vuokko; Katko, Tapio S.

In: Water Alternatives, Vol. 8, No. 3, 2015, p. 337-351.

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

Institutional entrepreneurship, power, and knowledge in innovation systems : Institutionalization of regenerative medicine in Tampere, Finland. / Sotarauta, Markku; Mustikkamäki, Nina.

In: ENVIRONMENT AND PLANNING C: GOVERNMENT AND POLICY, Vol. 33, No. 2, 2015, p. 342-357.

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

What is project governance and what are its origins? / Ahola, Tuomas; Ruuska, Inkeri; Artto, Karlos; Kujala, Jaakko.
In: International Journal of Project Management, Vol. 32, No. 8, 01.11.2014, p. 1321-1332.
Research output: Contribution to journal › Article › Scientific › peer-review

In-use vs. type-approval fuel consumption of current passenger cars in Europe. / Ntziachristos, L.; Mellios, G.; Tsokolis, D.; Keller, M.; Hausberger, S.; Ligterink, N. E.; Dilara, P.
In: Energy Policy, Vol. 67, 04.2014, p. 403-411.
Research output: Contribution to journal › Article › Scientific › peer-review

Project-based and temporary organizing : Reconnecting and rediscovering. / Söderlund, Jonas; Hobbs, Brian; Ahola, Tuomas.
In: International Journal of Project Management, Vol. 32, No. 7, 2014, p. 1085-1090.
Research output: Contribution to journal › Editorial › Scientific › peer-review

Software design for simulating microbial bioprocesses in bioreactor. / Nikhil, ; Puhakka, J. A.; Visa, A.; Yli-Harja, O.
6th International Conference on Environmental Informatics, ISEIS 2007. International Society for Environmental Information Sciences, 2014. 60700018.
Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Attitude-behaviour gap in energy issues : Case study of three different Finnish residential areas. / Valkila, N.; Saari, A.
In: ENERGY FOR SUSTAINABLE DEVELOPMENT, Vol. 17, No. 1, 02.2013, p. 24-34.
Research output: Contribution to journal › Article › Scientific › peer-review

Constructing the market position of a project-based firm. / Ahola, Tuomas; Kujala, Jaakko; Laaksonen, Teuvo; Aaltonen, Kirsi.
In: International Journal of Project Management, Vol. 31, No. 3, 2013, p. 355-365.
Research output: Contribution to journal › Article › Scientific › peer-review

The Policy Relevance of Wear Emissions from Road Transport, Now and in the Future-An International Workshop Report and Consensus Statement. / Denier van der Gon, Hugo A C; Gerlofs-Nijland, Miriam E.; Gehrig, Robert; Gustafsson, Mats; Janssen, Nicole; Harrison, Roy M.; Hulskotte, Jan; Johansson, Christer; Jozwicka, Magdalena; Keuken, Menno; Krijgsheld, Klaas; Ntziachristos, Leonidas; Riediker, Michael; Cassee, Flemming R.
In: Journal of the Air and Waste Management Association, Vol. 63, No. 2, 2013, p. 136-149.
Research output: Contribution to journal › Article › Scientific › peer-review

Use of services to support the business of a project-based firm. / Kujala, Jaakko; Ahola, Tuomas; Huikuri, Satu.
In: International Journal of Project Management, Vol. 31, No. 2, 2013, p. 177-189.
Research output: Contribution to journal › Article › Scientific › peer-review

Consumer panel on the readiness of finns to behave in a more pro-environmental manner. / Valkila, Noora; Saari, Arto.
In: Sustainability, Vol. 4, No. 7, 07.2012, p. 1561-1579.
Research output: Contribution to journal › Article › Scientific › peer-review

Policy learning and the 'cluster-flavoured innovation policy' in Finland. / Sotarauta, Markku.
In: ENVIRONMENT AND PLANNING C: GOVERNMENT AND POLICY, Vol. 30, No. 5, 2012, p. 780-795.
Research output: Contribution to journal › Article › Scientific › peer-review

A new governance approach for multi-firm projects : Lessons from Olkiluoto 3 and Flamanville 3 nuclear power plant projects. / Ruuska, Inkeri; Ahola, Tuomas; Artto, Karlos; Locatelli, Giorgio; Mancini, Mauro.
In: International Journal of Project Management, Vol. 29, No. 6, 08.2011, p. 647-660.
Research output: Contribution to journal › Article › Scientific › peer-review

Institutional entrepreneurship for knowledge regions : In search of a fresh set of questions for regional innovation studies. / Sotarauta, Markku; Pulkkinen, Riina.
In: ENVIRONMENT AND PLANNING C: GOVERNMENT AND POLICY, Vol. 29, No. 1, 2011, p. 96-112.
Research output: Contribution to journal › Article › Scientific › peer-review

Detailed internal characterisation of two Finnish landfills by waste sampling. / Sormunen, Kai; Ettala, Matti; Rintala, Jukka.
In: Waste Management, Vol. 28, No. 1, 2008, p. 151-163.

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

Landfill gas upgrading with countercurrent water wash. / Rasi, S.; Läntelä, J.; Veijanen, A.; Rintala, J.
In: Waste Management, Vol. 28, No. 9, 2008, p. 1528-1534.

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

Mechanically-biologically treated municipal solid waste as a support medium for microbial methane oxidation to mitigate landfill greenhouse emissions. / Einola, Juha Kalle M; Karhu, A. Elina; Rintala, Jukka A.

In: Waste Management, Vol. 28, No. 1, 2008, p. 97-111.

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

Laboratory investigations on co-digestion of energy crops and crop residues with cow manure for methane production : Effect of crop to manure ratio. / Lehtomäki, A.; Huttunen, S.; Rintala, J. A.

In: Resources Conservation and Recycling, Vol. 51, No. 3, 09.2007, p. 591-609.

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

Anaerobic co-digestion of potato tuber and its industrial by-products with pig manure. / Kaparaju, Prasad; Rintala, Jukka.

In: Resources Conservation and Recycling, Vol. 43, No. 2, 01.2005, p. 175-188.

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

Removal of bis (2-ethylhexyl) phthalate from reject water in a nitrogen-removing sequencing batch reactor. / Marttinen, Sanna K.; Ruissalo, Maria; Rintala, Jukka A.

In: Journal of Environmental Management, Vol. 73, No. 2, 11.2004, p. 103-109.

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