

Estimation of the largest expected photovoltaic power ramp rates

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

Tuning electricity generation throughout the year with PV module technology

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Research output: Contribution to journal › Conference article › Scientific › peer-review

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

Practical implementation of adaptive SRF-PLL for three-phase inverters based on sensitivity function and real-time grid-impedance measurements

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A novel electrical charging condensing heat exchanger for efficient particle emission reduction in small wood boilers

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Autonomous reactive power support for smart photovoltaic inverter based on real-time grid-impedance measurements of a weak grid

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Hematite Surface Modification toward Efficient Sunlight-Driven Water Splitting Activity: The Role of Gold Nanoparticle Addition

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Luminescent (Er,Ho)₂O₃ thin films by ALD to enhance the performance of silicon solar cells

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Plant-Based Biodegradable Capacitive Tactile Pressure Sensor Using Flexible and Transparent Leaf Skeletons as Electrodes and Flower Petal as Dielectric Layer

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Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells

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Towards the EU emission targets of 2050: Cost-effective emission reduction in Finnish detached houses

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Potential of renewable fuel to reduce diesel exhaust particle emissions

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Cost optimal energy performance renovation measures in a municipal service building in a cold climate

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

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How and why does willow biochar increase a clay soil water retention capacity?

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Energiatohokkaan arkkitehtisuunnittelun ohjekortisto

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Research output: Book/Report > Book > Professional

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Release of Potassium during Devolatilization of Spruce Bark

Wang, L., Moilanen, A., Lehtinen, J., Konttinen, J. & Matas, B. G., 2017, In : Energy Procedia. 105, p. 1295-1301 7 p.

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

Particle emissions characterization from a medium-speed marine diesel engine with two fuels at different sampling conditions

Ntziachristos, L., Saukko, E., Lehtoranta, K., Rönkkö, T., Timonen, H., Simonen, P., Karjalainen, P. & Keskinen, J., 15 Dec 2016, In : Fuel. 186, p. 456-465 10 p.

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

Thermal Modification of ALD Grown Titanium Oxide Ultra Thin Film for Photoanode Applications

Hannula, M. K., Lahtonen, K. T., Isotalo, T. J., Saari, J. S. & Valden, M. O., 15 Dec 2016.

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Lindstedt, M. & Karvinen, R., Dec 2016, In : Energy Efficiency. 9, 6, p. 1461-1474 14 p.

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

Apparent velocity of shadow edges caused by moving clouds

Lappalainen, K. & Valkealahti, S., 15 Nov 2016, In : Solar Energy. 138, p. 47-52 6 p.

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

Multicriteria selection in concept design of a divertor remote maintenance port in the EU DEMO reactor using an AHP participative approach

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A Unified Modeling Approach of Multi-Terminal VSC-HVDC Links for Dynamic Simulations of Large-Scale Power Systems

Castro, L. M. & Acha, E., 1 Nov 2016, In : IEEE Transactions on Power Systems. 31, 6, p. 5051-5060 10 p.

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Kramb, J., Konttinen, J., Backman, R., Salo, K. & Roberts, M., 1 Oct 2016, In : Fuel. 181, p. 319-324 6 p.

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

Exposure to biological and chemical agents at biomass power plants

Laitinen, S., Laitinen, J., Fagernäs, L., Korpijärvi, K., Korpinen, L., Ojanen, K., Aatamila, M., Jumpponen, M., Koponen, H. & Jokiniemi, J., 1 Oct 2016, In : Biomass & Bioenergy. 93, p. 78-86 9 p.

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Acha, E., Rubbrecht, T. & Castro, L. M., 10 Aug 2016, *19th Power Systems Computation Conference, PSCC 2016*. IEEE

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

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A generalized frame of reference for the incorporation of, multi-terminal VSC-HVDC systems in power flow solutions

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

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Liquid fertilizer products from anaerobic digestion of food waste: Mass, nutrient and energy balance of four digestate liquid treatment systems

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Influence of As/group-III flux ratio on defects formation and photovoltaic performance of GaInNAs solar cells

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Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling

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Metabolic engineering of *Acinetobacter baylyi* ADP1 for removal of *Clostridium butyricum* growth inhibitors produced from lignocellulosic hydrolysates

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A novel VSC-HVDC link model for dynamic power system simulations

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Translated title of the contribution: : Investigation of cycle-to-cycle variability of NO in homogeneous combustion
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MBE GROWN GaInNAsSb MULTIJUNCTION SOLAR CELLS: PATH TOWARDS 50% EFFICIENCY

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Composition dependent growth dynamics in molecular beam epitaxy of GaInNAs solar cells

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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

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In-use vs. type-approval fuel consumption of current passenger cars in Europe

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Translated title of the contribution: : Abdominal CT scan: A comparative study of patient exposure in clinical routine on devices with and without iterative reconstruction

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