

First principles prediction of the solar cell efficiency of chalcopyrite materials AgMX_2 (M=In, Al; X=S, Se, Te)

Dongho-Nguimdo, G. M., Igumbor, E., Zambou, S. & Joubert, D. P., 1 Dec 2019, In : Computational Condensed Matter. 21, e00391.

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

DroneRF dataset: A dataset of drones for RF-based detection, classification and identification

Allahham, MHD. S., Al-Sa'd, M. F., Al-Ali, A., Mohamed, A., Khattab, T. & Erbad, A., 1 Oct 2019, In : Data in Brief. 26, 104313.

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

Automatization and stress analysis data of CoCr laser weld fatigue tests

Kanerva, M., Besharat, Z., Pärnänen, T., Jokinen, J., Honkanen, M., Sarlin, E., Göthelid, M. & Schlenzka, D., 1 Oct 2019, In : Data in Brief. 26, 104374.

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

Diffusion of innovation: Case of co-design of cabins in mobile work machine industry

Ellman, A. & Tiainen, T., 1 Jun 2019, In : Computers. 8, 2, 39.

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

Accurate impedance model of grid-connected inverter for small-signal stability assessment in high-impedance grid

Messo, T., Roinila, T., Aapro, A. & Luhtala, R., 1 Feb 2019, (Accepted/In press) In : IEEE JOURNAL OF INDUSTRY APPLICATIONS. 8, 3, 3.

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

Modelling the stressed skin effect by using shell elements with meta-material model

Pajunen, S., Hautala, J. & Heinisuo, M., 2019, In : Magazine of Civil Engineering. 86, 2, p. 20-29 10 p.

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

Experimental moment resistance of rectangular hollow section T joints

Garifullin, M., 5 Dec 2018, In : MATEC Web of Conferences. 245, 08003.

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

Tutkimuskatsaus: Usia menetelmiä haavan paranemisen arviointiin ja seurantaan

Kekonen, A., Bergelin, M. & Viik, J., 20 Oct 2018, In : HAAVA. 20, 3, p. 30-32 3 p.

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

Evaluation of Median Root Prior for Robust In-Beam PET Reconstruction

Us, D., Brzezinski, K., Buitenhuis, T., Dendooven, P. & Ruotsalainen, U., 5 Sep 2018, In : IEEE Transactions on Radiation and Plasma Medical Sciences. 2, 5, p. 490-498 8 p.

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

Effect of radiation inside square hollow section under moderate non-symmetric fire

Baczkiwicz, J., Pajunen, S. & Heinisuo, M., 27 Jul 2018, In : Fire Research. 2, 1, p. 25-30 6 p., 2:42.

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

Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors

Tan, L. C., Nancharaiah, Y. V., van Hullebusch, E. D. & Lens, P. N. L., 2018, In : Environmental Science: Water Research & Technology. 4, 2, p. 303-314

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

In vitro characterization of arylhydrazones of active methylene derivatives

Palanivel, S., Zhurina, A., Doan, P., Chandraseelan, J. G., Khandelwal, V. K. M., Zubkov, F. I., Mahmudov, K. T., Pombeiro, A. J. L., Yli-Harja, O. & Kandhavelu, M., 2018, In : Saudi Pharmaceutical Journal. 26, 3, p. 430-436

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

Cold-formed RHS T joints with initial geometrical imperfections

Garifullin, M., Bronzova, M. K., Heinisuo, M., Mela, K. & Pajunen, S., 2018, In : Magazine of Civil Engineering. 80, 4, p. 81-94 14 p.

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

基于相位旋转的SCMA码本优化方法

Shao, K., Zhou, B., Wang, G. & Yu, B., 2018, In : Xi Tong Gong Cheng Yu Dian Zi Ji Shu/Systems Engineering and Electronics. 40, 10, p. 2354-2362 9 p.

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

Core Project Team As a Management Entity for Construction Projects

Keinänen, M. & Kähkönen, K., 2018, In : In_bo: Ricerche e progetti per il territorio, la città e l'architettura. Construction Management. 9, 13, p. 208-217 10 p.

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

Kehittämistutkimus: vuorovaikuteisten Matlab-opetusohjelmien vaikutus minäpystyvyyteen ja oppimistuloksiin yliopistomatematiikassa

Kaarakka, T. E., Ali-Löytty, S. & Huhtanen, M., 2018, In : FMSERA Journal . 2, 1, p. 67-77 11 p.

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

Yliopistomatematiikan sähköisten tehtävien ja matemaattisen ajattelun kehittäminen

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

Projektityöskentelyn kehittäminen yläkoulun matematiikan opetuksessa

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

Analysis of outdoor and indoor propagation at 15 GHz and millimeter wave frequencies in microcellular environment

Sheikh, M. U. & Lempiainen, J., 2018, In : Advances in Science, Technology and Engineering Systems. 3, 1, p. 160-167 8 p.

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

Enhanced outdoor to indoor propagation models and impact of different ray tracing approaches at higher frequencies

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Electro-optic steering of random laser emission in liquid crystals

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

Assessing the usefulness of an early idea development tool among experienced researchers

Saari, U., Aarikka-Stenroos, L., Boedeker, S., Köppä, L. & Langwaldt, J., 22 Dec 2017, In : CERN IdeaSquare Journal of Experimental Innovation. 1, 2, p. 3-8 6 p.

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

Sata vuotta vesihuoltoa Suomessa

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

Probabilistic Mapping of Human Visual Attention from Head Pose Estimation

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

Inkjet printed metallic micropillars for bare die flip-chip bonding

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

The effect of tungsten carbide particles content in a weld deposit on its abrasion resistance

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Comparative investigation of remote tracking devices for aging care

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

NB-IoT for D2D-enhanced content uploading with social trustworthiness in 5G systems

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

Natural Gas Engine Emission Reduction by Catalysts

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

Influence of the rotor eccentricity on the torque of a cage induction machine

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

Kactus2: A graphical EDA tool built on the IP-XACT standard

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

Alkyl thiophene vinylene electropolymerization in C8mimPF6, potential use in solar cells

Rojas, V., Martinez, F., Bernede, J. C., Guenadez, L. C., Efimov, A. & Lemmetyinen, H., May 2017, In : Materials Sciences and Applications. 8, 5, p. 405-417 13 p.

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

Collagen-immobilized polyimide membranes for retinal pigment epithelial cell adherence and proliferation

Teymouri, S., Calejo, M. T., Hiltunen, M., Sorkio, A. E., Juuti-Uusitalo, K., Skottman, H. & Kellomäki, M., 6 Mar 2017, In : Cogent Chemistry. 3, 1

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Reaction heat utilization in aluminosilicate-based ceramics synthesis and sintering

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

Effect of Laser Power on Yield of TiO₂ Nanoparticles Synthesized by Pulsed Laser Ablation in Water

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

Evolutionary multiobjective optimization for adaptive dataflow-based digital predistortion architectures

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Suomen vesihuollon kehitys ja opit kansainvälisessä kontekstissa

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Three-color vector nematicon

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

Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle

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

Securing the flow of information in renovation projects: Sustainable synergies from buildings to the urban scale

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Teoriaa ja kokemuksia arvioinnista MOOCien aikakaudella

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Image-based characterization of the pulp flows

Sorokin, M., Strokina, N., Eerola, T., Lensu, L., Karttunen, K. & Kalviainen, H., 1 Jul 2016, In : Pattern Recognition and Image Analysis. 26, 3, p. 630-637 8 p.

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

Data including GROMACS input files for atomistic molecular dynamics simulations of mixed, asymmetric bilayers including molecular topologies, equilibrated structures, and force field for lipids compatible with OPLS-AA parameters

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

Parameters Affecting the Upcycling of Waste Cotton and PES/CO Textiles

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Architecture beyond signs and symbols : Zumthor's response to the problems of aesthetics

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Fully printed memristors for a self-sustainable recorder of mechanical energy

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

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

First-principles data set of 45,892 isolated and cation-coordinated conformers of 20 proteinogenic amino acids

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

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

Influence of environmental conditions on EMF levels in a span of overhead transmission lines

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

High efficiency dilute nitride solar cells: Simulations meet experiments

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

Target tracking via combination of particle filter and optimisation techniques

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

Surrogate modeling for initial rotational stiffness of welded tubular joints

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

Preparation and antimicrobial characterization of silver-containing packaging materials for meat

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

LTCC-Based Multi-Electrode Arrays for 3D in Vitro Cell Cultures

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

Time-resolved characterization of primary and secondary particle emissions of a modern gasoline passenger car

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SimpleTree: An Efficient Open Source Tool to Build Tree Models from TLS Clouds

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

Energy Retrofits in Multi-family Buildings in North-east Europe: The Impacts on Thermal Conditions

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

Building new computational models to support health behavior change and maintenance: new opportunities in behavioral research

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

Effects of subsampling on characteristics of RNA-seq data from triple-negative breast cancer patients

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

Towards a Classification Schema for Development Technologies: an Empirical Study in the Avionic Domain

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

The effects of neuron morphology on graph theoretic measures of network connectivity: The analysis of a two-level statistical model

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

Distributed power allocation over indoor multi-pico stations

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Microrobotic system for multi-rate measurement of bio-based fibres Z-directional bond strength

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

Cancer research in the era of next-generation sequencing and big data calls for intelligent modeling

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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. D., Nielsen, S. H., Jensen, K. A. & Koponen, I. K., 1 Jan 2015, In : Environmental Sciences: Processes and Impacts. 17, 1, p. 62-73 12 p.

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

Acquisition of E5 Galileo signals in Matlab

Stepanova, E., Kudryavtsev, I. & Lohan, E-S., 2015, In : Procedia Engineering. 104, p. 36-42 7 p.

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Comparison of Detection Techniques for Multipath Propagation of Pseudolite Signals Used in Dense Industrial Environments

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

Entropy of weighted graphs with Randić weights

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

Assessing coupling dynamics from an ensemble of time series

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

Cross-Cultural Design of Mobile Mathematics Learning Service for South African Schools

Vainio, T., Walsh, T. & Varsaluoma, J., 2015, In : IADIS International Journal on WWW/Internet. 12, 1, p. 81-93 12 p.
Research output: Contribution to journal › Article › Scientific › peer-review

Relational Capital for Shared Vision in Innovation Ecosystems

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Heat Loss Rate of the Finnish Building Stock

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

Management and Planning Under Complexities of Metro Construction

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

Human Factor in Time Management

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Monitoring urban air quality with a diffusion charger based electrical particle sensor

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Stirring the Construction Project Management with Co-creation and Continuous Improvement

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

Theoretical 71-Concept Platform for Advancing Construction-related Business Management

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

Safety, Space and Structure Quality Requirements in Construction Scheduling

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

A Cross-Cultural and Gender-Based Perspective for Online Security: Exploring Knowledge, Skills and Attitudes of Higher Education Students.

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

Lean-tuotanto ja sen johtaminen: onnistuminen, haasteet ja soveltuminen Suomen yrityksiin ja muihin organisaatioihin
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Air pressure difference between indoor and outdoor or staircase in multi-family buildings with exhaust ventilation system in Finland
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A Co-creation Centre for University–Industry Collaboration – A Framework for Concept Development
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What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out

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

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