

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

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

Clothing-Integrated Passive RFID Strain Sensor Platform for Body Movement-Based Controlling

He, H., Chen, X., Ukkonen, L. & Virkki, J., 7 Nov 2019, *2019 IEEE International Conference on RFID Technology and Applications (RFID-TA)*. IEEE, p. 236-239 4 p.

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

Glove-Integrated Textile Antenna with Reduced SAR for Wearable UHF RFID Reader

Ahmed, S., Mehmood, A., Sydänheimo, L., Ukkonen, L. & Björninen, T., 7 Nov 2019, *2019 IEEE International Conference on RFID Technology and Applications (RFID-TA)*. IEEE, p. 231-235 5 p.

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

High Peak Power Laser Diodes for Eye Safe LIDAR with Integrated Wavelength Locking Element

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

Automatization and stress analysis data of CoCr laser weld fatigue tests

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

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

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

Teacher's Perceptions and Readiness to Teach Coding Skills: A Comparative Study Between Finland, Mainland China, Singapore, Taiwan, and South Korea

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

Participatory service design and community involvement in designing future-ready sustainable learning landscapes

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

A Batteryless Semi-Passive RFID Sensor Platform

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

User-driven development with scientific applied research - RFID-controlled physiogame case study

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

Discovering collaborative and inclusive solutions to co-create multidimensional value in cross-sector collaboration

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

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Enabling cybersecurity incident reporting and coordinated handling for maritime sector

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

Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation

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Profile extraction and deep autoencoder feature extraction for elevator fault detection

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

Empirical study of good, bad and ugly modular engineering solutions in machinery manufacturing industry

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

Actors' agency in the routines of innovation project portfolio management

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

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

Knowledge management practices to overcome network-level knowledge barriers: an artificial intelligence powered literature review

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Normalization of deviance in the construction industry, a managerial perspective

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Double-side pumped membrane external-cavity surface-emitting laser (MECSEL) with increased efficiency emitting > 3 W in the 780 nm region

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

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

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A Semantic Meta-Model Repository for Lightweight M2M

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

Muovipäällysteisten lattioiden vaurioituminen kosteuden vaikutuksesta

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Large mode area double clad ytterbium tapered fiber with circular birefringency

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

Analysis of upconversion nanoparticles as an active medium for upconversion light sources

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

Vesihuollon haasteet Suomessa: – saneerausvelka ja tutkimusresurssien puute ongelma

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1.3µm U-bend traveling wave SOA devices for high efficiency coupling to silicon photonics

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

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MECSELS with direct emission in the 760 nm to 810 nm spectral range: A single- and double-side pumping comparison and high-power continuous-wave operation

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Performance Enhancement Of Optimized Link State Routing Protocol For Health Care Applications In Wireless Body Area Networks

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Tutkimuskatsaus: Uusia 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

The Effects of Product Line Length on Firm Performance

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Social capital characteristics in RD project networks

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

Analysis of User Exploration Patterns during Scene Cuts in Omnidirectional Videos

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

Long-term monitoring of acute wound healing from beneath the primary wound dressings

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

Glove-integrated slotted patch antenna for wearable UHF RFID reader

Ahmed, S., Musfequr Rehman, S. M., Ukkonen, L. & Björninen, T., 26 Sep 2018, *2018 IEEE International Conference on RFID Technology & Application (RFID-TA)*. IEEE, 4 p.

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Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives

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2D Video Coding of Volumetric Video Data

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

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

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Fabrication and Practical Evaluation of Glove-integrated Passive UHF RFID Tags

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Multi-site delamination analysis using virtual crack closure technique for a composite aircraft wing flap

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

Nanocellulose as a Piezoelectric Material

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

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

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

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In vitro characterization of arylhydrazones of active methylene derivatives

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

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

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Single-frequency 571nm VECSEL for photo-ionization of magnesium

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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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High Dynamic Range Single-Shot Spectral Measurements of Spontaneous Modulation Instability

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

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

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

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Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case

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

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

Quantitative Estimation of Long-living Fluorescent Molecules from Temporal Fluorescence Intensity Data Corrupted by Nonzero-mean Noise

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

Real Time Measurements of Temporal Rogue Waves and Spontaneous Modulation Instability in Optical Fiber

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

Reinforcement Corrosion Modelling in Renovation Strategy for Concrete Facades

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

Relations between civil engineering students' approaches to learning, perceptions of the development of professional skills and perceived workload

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

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

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

Role of Power and Sense Making in the Briefing of a Small Renovation Project

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

Role of Water Cooperatives in Water Service Production - Lessons from Finland and Denmark

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

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

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

Sound Event Detection in Multichannel Audio Using Spatial and Harmonic Features

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Spatial borders and affordances of a temporary school building – Enhancing the school engagement and learning experience

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

STACK assignments in university mathematics education

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

Surrogate modeling for initial rotational stiffness of welded tubular joints

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

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

The role of the purchasing function in non-financial value creation

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Professional

The Workplace for Researchers – Enhancing Concentration and Face-to-face Interaction

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

Towards responsive workspaces - identification of service paths for time-and-place independent work

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

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Ventilation rates and CO2-levels before and after energy retrofit in Finnish apartment buildings

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

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

Обзор параметрических методов позиционирования на основе концепции отпечатка пальца

Müller, P., Raitoharju, M., Ali-Löytty, S., Wirola, L. & Piche, R., 2016, In : *Giroskopiya I Navigatsiya*. 24, 1, p. 3-35

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

Turvallisuuden johtajat - Esimiesten johtajuus, osaaminen ja sitoutuminen

Tappura, S., Hyytinen, T., Kivistö-Rahnasto, J., Nenonen, N. & Vasara, J., 30 Dec 2015, Tampere: Tampereen teknillinen yliopisto; Tampereen yliopisto. 144 p.

Research output: Book/Report › Commissioned report › Professional

Bispectrum-based demodulation technique using triple-channel heterodyning of triplet-signal

Naumenko, V., Solodovnik, V., Totsky, A., Zelensky, A. & Astola, J., 14 Dec 2015, *2015 Second International Scientific-Practical Conference Problems of Infocommunications Science and Technology (PIC S&T)*. IEEE, p. 224-226 3 p.

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

HVS-based local analysis of denoising efficiency for DCT-based filters

Rubel, O., Ponomarenko, N., Lukin, V., Astola, J. & Egiazarian, K., 14 Dec 2015, *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference*

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

Method of data compression for traffic monitoring

Kozhemiakina, N., Lukin, V., Ponomarenko, N., Akulynichev, A., Astola, J. & Egiazarian, K., 14 Dec 2015, *2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings. IEEE*, p. 153-156 4 p.

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

Platform Competences to Enhance Network Effects in Business Ecosystems

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

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

Kuuliala, L., Pippuri, T., Hultman, J., Auvinen, S-M., Kolppo, K., Nieminen, T., Karp, M., Björkroth, J., Kuusipalo, J. & Jääskeläinen, E., 1 Dec 2015, In : *Food Packaging and Shelf Life*. 6, p. 53-60 8 p., 67.

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

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

Bartsch, H., Himmerlich, M., Fischer, M., Demko, L., Hyttinen, J. & Schober, A., Dec 2015, In : *Journal of Ceramic Science and Technology*. 6, 4, p. 315-324 10 p.

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