# LukÃ¡Å¡ Prokop

List of Publications by Year
in descending order

| 41 papers | 195 citations | 1937685 4 h-index | 1588992 8 g-index |
|---|---|---|---|
| 46 all docs | 46 docs citations | 46 times ranked | 123 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | A Study of Self-Powered Robotic Parking Lots in Inhabited Areas. Environmental Sciences Proceedings, 2021, 9, 19. | 0.3 | 1 |
| 2 | Post-processing of Wind-Speed Forecasts Using the Extended Perfect Prog Method with Polynomial Neural Networks to Elicit PDE Models. Advances in Intelligent Systems and Computing, 2020, , 11-21. | 0.6 | 0 |
| 3 | Concept of Real-Time Communication in Off-Grid System with Vehicle-to-Home Technology. , 2020, , . | | 5 |
| 4 | Partial Discharges Pattern Analysis of Various Covered Conductors. , 2020, , . | | 7 |
| 5 | Towards the Character and Challenges of Partial Discharge Pattern Data Measured on Medium Voltage Overhead Lines. , 2019, , . | | 11 |
| 6 | New User-Friendly Software Application to Simulate and Visualize The Distribution System Operation. , 2019, , . | | 0 |
| 7 | Energy Harvesting from Discontinuous Flow. , 2019, , . | | 0 |
| 8 | Off-Grid System for Warning or Signalling Lighting of Dangerous Sections of Roads. , 2019, , . | | 0 |
| 9 | Industrial Uninterruptible Power Supply Batteries Monitoring Augmentation by Infrared Camera. , 2019, , . | | 0 |
| 10 | Low-cost solution of LED driving, designed for tunable white lighting systems. IFAC-PapersOnLine, 2018, 51, 396-401. | 0.9 | 3 |
| 11 | Multi Objective Optimization in Charge Management of Micro Grid Based Multistory Carpark. Energies, 2018, 11, 1791. | 3.1 | 11 |
| 12 | Energy management system for the off-grid power distribution systems. , 2018, , . | | 1 |
| 13 | A holistic approach to power quality parameter optimization in AC coupling Off-Grid systems. Electric Power Systems Research, 2017, 147, 165-173. | 3.6 | 8 |
| 14 | Operation analysis of automated parking system with off-grid supply system. , 2017, , . | | 0 |
| 15 | Operating Characteristics of Photovoltaic Power Plants. Green Energy and Technology, 2017, , 107-151. | 0.6 | 0 |
| 16 | Systems and Equipment of Wind Power Plants. Green Energy and Technology, 2017, , 43-105. | 0.6 | 0 |
| 17 | A Novel Method for Detection and Classification of Covered Conductor Faults. Advances in Electrical and Electronic Engineering, 2016, 14, . | 0.3 | 3 |
| 18 | Digitalization of methods for active elimination of the noise of energy equipment. , 2015, , . | | 0 |

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|---|---------|-----|-----------|
| 19 | A power quality evaluating in autonomous system using virtual instrument tool. , 2015, , . | | 0 |
| 20 | Power quality dependence on connected appliances in an Off-Grid system. , 2015, , . | | 6 |
| 21 | Prospects for electric vehicles technology with renewable energy sources in a Smart-Grid environment - An introduction. , 2015, , . | | 7 |
| 22 | A Simulation of Energy Storage System for Improving the Power System Stability with Grid-Connected PV using MCA Analysis and LabVIEW Tool. Advances in Electrical and Electronic Engineering, 2015, 13, . | 0.3 | 2 |
| 23 | Evaluation of Power Quality in Off-Grid Power System. Communications - Scientific Letters of the University of Zilina, 2015, 17, 71-76. | 0.6 | 3 |
| 24 | Prediction of Voltage Related Power Quality Values from a Small Renewable Energy Installation. , 2014, , . | | 3 |
| 25 | Power quality analysis in off-grid power system. , 2014, , . | | 4 |
| 26 | Optimal design of neural tree for solar power prediction. , 2014, , . | | 8 |
| 27 | Smart Home Modeling with Real Appliances. Advances in Intelligent Systems and Computing, 2014, , 369-378. | 0.6 | 1 |
| 28 | Power Quality Analysis in Off-Grid Power Platform. Advances in Electrical and Electronic Engineering, 2014, 12, . | 0.3 | 7 |
| 29 | Irradiance prediction using Echo State Queueing Networks and Differential polynomial Neural Networks. , 2013, , . | | 7 |
| 30 | Integrating renewable energy sources using a smart household system. , 2013, , . | | 3 |
| 31 | Towards prediction of photovoltaic power quality. , 2013, , . | | 2 |
| 32 | Prediction of PV power quality: Total harmonic distortion of current. , 2013, , . | | 10 |
| 33 | Layout optimization of electrodes for radiofrequency ablation instrument. , 2013, , . | | 2 |
| 34 | SUPERVISED LEARNING OF PHOTOVOLTAIC POWER PLANT OUTPUT PREDICTION MODELS. Neural Network World, 2013, 23, 321-338. | 0.8 | 16 |
| 35 | Evolutionary prediction of photovoltaic power plant energy production. , 2012, , . | | 2 |
| 36 | Artificially evolved soft computing models for photovoltaic power plant output estimation. , 2012, , . | | 5 |

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|---|---------|----|-----------| 
| 37 | Genetically Evolved Fuzzy Predictor for Photovoltaic Power Output Estimation. , 2011, , . | | 17 |
| 38 | Results from hybrid off-grid power system operation analysis. , 2011, , . | | 3 |
| 39 | Analysis of photovoltaic power plant running. , 2011, , . | | 2 |
| 40 | Off-grid power systems. , 2010, , . | | 24 |
| 41 | Problem of wind power plant engineering in the Czech Republic. , 2009, , . | | 1 |