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	Off-grid power systems. , 2010, , .		24
2	Genetically Evolved Fuzzy Predictor for Photovoltaic Power Output Estimation. , 2011, , .		17
3	SUPERVISED LEARNING OF PHOTOVOLTAIC POWER PLANT OUTPUT PREDICTION MODELS. Neural Network World, 2013, 23, 321-338.	0.8	16
4	Multi Objective Optimization in Charge Management of Micro Grid Based Multistory Carpark. Energies, 2018, 11, 1791.	3.1	11
5	Towards the Character and Challenges of Partial Discharge Pattern Data Measured on Medium Voltage Overhead Lines. , 2019, , .		11
6	Prediction of PV power quality: Total harmonic distortion of current. , 2013, , .		10
7	Optimal design of neural tree for solar power prediction. , 2014, , .		8
8	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
9	Irradiance prediction using Echo State Queueing Networks and Differential polynomial Neural Networks. , 2013, , .		7
10	Prospects for electric vehicles technology with renewable energy sources in a Smart-Grid environment - An introduction. , 2015, , .		7
11	Power Quality Analysis in Off-Grid Power Platform. Advances in Electrical and Electronic Engineering, 2014, 12, .	0.3	7
12	Partial Discharges Pattern Analysis of Various Covered Conductors. , 2020, , .		7
13	Power quality dependence on connected appliances in an Off-Grid system. , 2015, , .		6
14	Artificially evolved soft computing models for photovoltaic power plant output estimation. , 2012, , .		5
15	Concept of Real-Time Communication in Off-Grid System with Vehicle-to-Home Technology. , 2020, , .		5
16	Power quality analysis in off-grid power system. , 2014, , .		4
17	Results from hybrid off-grid power system operation analysis. , 2011, , .		3
18	Integrating renewable energy sources using a smart household system. , 2013, , .		3

#	Article	IF	Citations
19	Prediction of Voltage Related Power Quality Values from a Small Renewable Energy Installation. , 2014, , .		3
20	Low-cost solution of LED driving, designed for tunable white lighting systems. IFAC-PapersOnLine, 2018, 51, 396-401.	0.9	3
21	A Novel Method for Detection and Classification of Covered Conductor Faults. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.3	3
22	Evaluation of Power Quality in Off-Grid Power System. Communications - Scientific Letters of the University of Zilina, 2015, 17, 71-76.	0.6	3
23	Analysis of photovoltaic power plant running. , 2011, , .		2
24	Evolutionary prediction of photovoltaic power plant energy production. , 2012, , .		2
25	Towards prediction of photovoltaic power quality. , 2013, , .		2
26	Layout optimization of electrodes for radiofrequency ablation instrument. , 2013, , .		2
27	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
28	Problem of wind power plant engineering in the Czech Republic. , 2009, , .		1
29	Energy management system for the off-grid power distribution systems. , 2018, , .		1
30	A Study of Self-Powered Robotic Parking Lots in Inhabited Areas. Environmental Sciences Proceedings, 2021, 9, 19.	0.3	1
31	Smart Home Modeling with Real Appliances. Advances in Intelligent Systems and Computing, 2014, , 369-378.	0.6	1
32	Digitalization of methods for active elimination of the noise of energy equipment. , 2015, , .		0
33	A power quality evaluating in autonomous system using virtual instrument tool. , 2015, , .		0
34	Operation analysis of automated parking system with off-grid supply system. , 2017, , .		0
35	Operating Characteristics of Photovoltaic Power Plants. Green Energy and Technology, 2017, , 107-151.	0.6	0
36	New User-Friendly Software Application to Simulate and Visualize The Distribution System Operation. , 2019, , .		0

#	Article	IF	Citations
37	Energy Harvesting from Discontinuous Flow. , 2019, , .		0
38	Off-Grid System for Warning or Signalling Lighting of Dangerous Sections of Roads. , 2019, , .		0
39	Industrial Uniterruptible Power Supply Batteries Monitoring Augmentation by Infrared Camera. , 2019, , .		0
40	Systems and Equipment of Wind Power Plants. Green Energy and Technology, 2017, , 43-105.	0.6	0
41	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