

Jiri Drapela

List of Publications by Year in descending order

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42
papers

345
citations

1307594

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42
all docs

42
docs citations

42
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	An earth fault location method based on negative sequence voltage changes at low voltage side of distribution transformers. International Journal of Electrical Power and Energy Systems, 2020, 118, 105768.	5.5	11
2	Battery Storage and Charging Systems Power Control Supporting Voltage in Charging Mode. , 2020, , .		2
3	Performance of Standard Power/Energy Metric under Fast Changes in Active Energy Flow Direction. , 2020, , .		5
4	Issues and Challenges Related to Interharmonic Distortion Limits. , 2020, , .		7
5	A Preliminary Study on Modeling of Voltage Induced Flicker Sensitivity of Fluorescent and LED Lamps with Closed-Loop Control. , 2020, , .		1
6	Analysis of Approaches for Modeling the Low Frequency Emission of LED Lamps. Energies, 2020, 13, 1571.	3.1	15
7	Demand Responsive Power Flow Controller Providing Resistive Load Perspective Regulation in Cooperation with Small Generation Units. , 2020, , .		0
8	Power Generating Modules Field Testing Concepts for Verification of Compliance with Operational Requirements. , 2020, , .		2
9	Light Flicker and Power Factor Labels for Comparing LED Lamp Performance. IEEE Transactions on Industry Applications, 2019, 55, 7062-7070.	4.9	20
10	Assessment of Effectiveness of Distributed Generation Support for Voltage Regulation by Means of Power Control. , 2019, , .		4
11	Harmonic Modelling of LED lamps by Means of Admittance Frequency Coupling Matrices. , 2019, , .		9
12	Proposal of a Desynchronized Processing Technique for Assessing High-Frequency Distortion in Power Systems. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3883-3891.	4.7	13
13	Generalized lamp model for light flicker studies. Electric Power Systems Research, 2018, 154, 413-422.	3.6	16
14	Assessing Distortion Within the IEC Framework in the Presence of High Frequency Components: Some Considerations on Signal Processing. , 2018, , .		5
15	Operational testing of grid-tied micro inverters. , 2018, , .		0
16	Experimental evaluation and classification of LED lamps for light flicker sensitivity. , 2018, , .		19
17	A real life light flicker case-study with LED lamps. , 2018, , .		6
18	A Tunable Flickermeter to Account for Different Lamp Technologies. IEEE Transactions on Power Delivery, 2017, 32, 872-880.	4.3	15

#	ARTICLE	IF	CITATIONS
19	Experimental evaluation and classification of LED lamps for typical residential applications. , 2017, , .		23
20	Hybrid Photovoltaic Systems with Accumulationâ€™Support for Electric Vehicle Charging. Energies, 2017, 10, 834.	3.1	5
21	Frequency response of revenue meters in measured active energy. , 2016, , .		10
22	Flicker and driver topology assessment of Extra Low Voltage LED lamps under DC supply. , 2016, , .		1
23	Voltage sensitivity to power flows related to distributed generation. , 2016, , .		3
24	Power quality issues related to power flow control in systems with renewable energy micro sources. , 2016, , .		15
25	Practical Experience of Operational Diagnostics and Defectoscopy on Photovoltaic Installations in the Czech Republic. Energies, 2015, 8, 11234-11253.	3.1	8
26	Operational characteristics of photovoltaic systems. , 2014, , .		4
27	Voltage regulation optimization in low voltage network based on Voltage Quality Index. , 2014, , .		4
28	An alternative flickermeter evaluating high-frequency interharmonic voltages. , 2012, , .		4
29	Design and utilization of a light flickermeter. , 2012, , .		11
30	A new simplified model of compact fluorescent lamps in the scenario of smart grids. , 2012, , .		10
31	A voltage event recorder for more accurate analysis of voltage events in power supply systems. , 2011, , .		0
32	Verification of flickermeters under new edition of IEC 61000-4-15. , 2011, , .		1
33	Flickering of lamps due to ripple control signal. , 2011, , .		13
34	Light sources immunity to short voltage dips and interruptions. , 2009, , .		1
35	A time domain based flickermeter with response to high frequency interharmonics. , 2008, , .		9
36	Control of serial port (RS-232) communication in LabVIEW. , 2008, , .		17

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37	Personal computers immunity to short voltage dips and interruptions. , 2008, , .		4
38	Solution of voltage asymmetry and reduction of outage time in MV compensated networks. , 2008, , .		6
39	System for measuring and collecting data from solar-cell systems. , 2007, , .		4
40	Interharmonic - Flicker Curves of Lamps and Compatibility Lever for Interharmonic Voltages. , 2007, , .		21
41	Light flicker of fluorescent lamps with different types of ballasts caused by interharmonics. , 2005, , .		21
42	Experimental assessment of voltage sags effects on induction machine operation. , 2005, , .		0