

Sebastijan Seme

List of Publications by Year in descending order

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37
papers

755
citations

567144

15
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642610

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39
all docs

39
docs citations

39
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, geographical, technical, and economic potential for the optimal configuration of photovoltaic systems using a digital surface model and optimization method. <i>Energy</i> , 2022, 242, 122971.	4.5	7
2	Method for Planning, Optimizing, and Regulating EV Charging Infrastructure. <i>Energies</i> , 2022, 15, 4756.	1.6	2
3	Proportional-Integral Controllers Performance of a Grid-Connected Solar PV System with Particle Swarm Optimization and Ziegler–Nichols Tuning Method. <i>Energies</i> , 2021, 14, 2516.	1.6	18
4	Experimental Validation of a Thermo-Electric Model of the Photovoltaic Module under Outdoor Conditions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5287.	1.3	5
5	Experimental Validation of a Dynamic Photovoltaic/Thermal Collector Model in Combination with a Thermal Energy Storage Tank. <i>Energies</i> , 2021, 14, 8162.	1.6	2
6	Efficiency of Laser-Shaped Photovoltaic Cells. <i>Energies</i> , 2020, 13, 4747.	1.6	6
7	Solar Photovoltaic Tracking Systems for Electricity Generation: A Review. <i>Energies</i> , 2020, 13, 4224.	1.6	60
8	Analysis of the performance of photovoltaic systems in Slovenia. <i>Solar Energy</i> , 2019, 180, 550-558.	2.9	44
9	A novel concept of linear oscillatory synchronous generator designed for a stirling engine. <i>Energy</i> , 2019, 180, 19-27.	4.5	4
10	Simplified Method for Analyzing the Availability of Rooftop Photovoltaic Potential. <i>Energies</i> , 2019, 12, 4233.	1.6	16
11	Optimal price of electricity of solar power plants and small hydro power plants – Technical and economical part of investments. <i>Energy</i> , 2018, 157, 87-95.	4.5	19
12	Power quality experimental analysis of grid-connected photovoltaic systems in urban distribution networks. <i>Energy</i> , 2017, 139, 1261-1266.	4.5	38
13	Dual-axis photovoltaic tracking system – Design and experimental investigation. <i>Energy</i> , 2017, 139, 1267-1274.	4.5	43
14	The classification of explosion-proof protected induction motor into adequate temperature and efficiency class. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	2
15	Monitoring of the solar power plants and performance ratio. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
16	Smart grids and net metering for photovoltaic systems. , 2017, , .		6
17	Electromagnetic and thermal design of totally enclosed non-ventilated synchronous generator with interior permanent magnets. , 2017, , .		4
18	Quality assessment of used materials for pressure vessel design of stirling engine prototype. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Economic and environmental assessment of rooftops regarding suitability for photovoltaic systems installation based on remote sensing data. <i>Energy</i> , 2016, 107, 854-865.	4.5	37
20	A novel prediction algorithm for solar angles using second derivative of the energy for photovoltaic sun tracking purposes. <i>Solar Energy</i> , 2016, 137, 201-211.	2.9	24
21	Energy Production of Different Types and Orientations of Photovoltaic Systems Under Outdoor Conditions. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, .	1.1	5
22	Buildings roofs photovoltaic potential assessment based on LiDAR (Light Detection And Ranging) data. <i>Energy</i> , 2014, 66, 598-609.	4.5	81
23	Rating of roofsâ€™ surfaces regarding their solar potential and suitability for PV systems, based on LiDAR data. <i>Applied Energy</i> , 2013, 102, 803-812.	5.1	125
24	Maximum Efficiency Trajectories of a Two-Axis Sun Tracking System Determined Considering Tracking System Consumption. <i>IEEE Transactions on Power Electronics</i> , 2011, 26, 1280-1290.	5.4	82
25	A novel prediction algorithm for solar angles using solar radiation and Differential Evolution for dual-axis sun tracking purposes. <i>Solar Energy</i> , 2011, 85, 2757-2770.	2.9	66
26	Generalization of Methods for Voltage-Sag Source Detection Using Vector-Space Approach. <i>IEEE Transactions on Industry Applications</i> , 2009, 45, 2152-2161.	3.3	35
27	Determining Magnetically Nonlinear Characteristics of Transformers and Iron Core Inductors by Differential Evolution. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 1570-1573.	1.2	23
28	Comparison of the Shading Influence on PV Modules of Different Technologies. , 0, , .		1
29	The Influence of Damaged Tubular Combustion Chamber on Smoke Particle Emissions at the Pellet Burners. , 0, , .		0
30	Photovoltaic Systems in Slovenia and Performance Ratios: A Review. , 0, , .		0
31	Technical and Economical Part of Investments in Solar Power Plants and Small Hydro Power Plants - Comparison Between Technologies. , 0, , .		0
32	The Implementation of Electronic Green Public Procurement Tool in Slovenia. , 0, , .		0
33	Accuracy of Rotational Speed and Torque Sensors for Determining the Mechanical Power of Rotating Electrical Machines. , 0, , .		0
34	Measurement System for Testing of Electric Drives in Electric Vehicles. , 0, , .		0
35	SWOT Analysis of Pedelecs and E-Cars in Selected Countries of the Danube Region. , 0, , .		0
36	Energy Efficiency Indicators of a Single Unit House. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Estimation of the Solar Irradiance on Tilted Surface for Different Types of Pyranometers. , 0, , .		0