

Sebastijan Seme

List of Publications by Year in descending order

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37
papers

755
citations

567144

15
h-index

642610

23
g-index

39
all docs

39
docs citations

39
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Rating of roofsâ€™ surfaces regarding their solar potential and suitability for PV systems, based on LiDAR data. Applied Energy, 2013, 102, 803-812.	5.1	125
2	Maximum Efficiency Trajectories of a Two-Axis Sun Tracking System Determined Considering Tracking System Consumption. IEEE Transactions on Power Electronics, 2011, 26, 1280-1290.	5.4	82
3	Buildings roofs photovoltaic potential assessment based on LiDAR (Light Detection And Ranging) data. Energy, 2014, 66, 598-609.	4.5	81
4	A novel prediction algorithm for solar angles using solar radiation and Differential Evolution for dual-axis sun tracking purposes. Solar Energy, 2011, 85, 2757-2770.	2.9	66
5	Solar Photovoltaic Tracking Systems for Electricity Generation: A Review. Energies, 2020, 13, 4224.	1.6	60
6	Analysis of the performance of photovoltaic systems in Slovenia. Solar Energy, 2019, 180, 550-558.	2.9	44
7	Dual-axis photovoltaic tracking system â€œ Design and experimental investigation. Energy, 2017, 139, 1267-1274.	4.5	43
8	Power quality experimental analysis of grid-connected photovoltaic systems in urban distribution networks. Energy, 2017, 139, 1261-1266.	4.5	38
9	Economic and environmental assessment of rooftops regarding suitability for photovoltaic systems installation based on remote sensing data. Energy, 2016, 107, 854-865.	4.5	37
10	Generalization of Methods for Voltage-Sag Source Detection Using Vector-Space Approach. IEEE Transactions on Industry Applications, 2009, 45, 2152-2161.	3.3	35
11	A novel prediction algorithm for solar angles using second derivative of the energy for photovoltaic sun tracking purposes. Solar Energy, 2016, 137, 201-211.	2.9	24
12	Determining Magnetically Nonlinear Characteristics of Transformers and Iron Core Inductors by Differential Evolution. IEEE Transactions on Magnetics, 2008, 44, 1570-1573.	1.2	23
13	Optimal price of electricity of solar power plants and small hydro power plants â€œ Technical and economical part of investments. Energy, 2018, 157, 87-95.	4.5	19
14	Proportional-Integral Controllers Performance of a Grid-Connected Solar PV System with Particle Swarm Optimization and Zieglerâ€™Nichols Tuning Method. Energies, 2021, 14, 2516.	1.6	18
15	Simplified Method for Analyzing the Availability of Rooftop Photovoltaic Potential. Energies, 2019, 12, 4233.	1.6	16
16	Physical, geographical, technical, and economic potential for the optimal configuration of photovoltaic systems using a digital surface model and optimization method. Energy, 2022, 242, 122971.	4.5	7
17	Smart grids and net metering for photovoltaic systems. , 2017, , .		6
18	Efficiency of Laser-Shaped Photovoltaic Cells. Energies, 2020, 13, 4747.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Energy Production of Different Types and Orientations of Photovoltaic Systems Under Outdoor Conditions. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.1	5
20	Experimental Validation of a Thermo-Electric Model of the Photovoltaic Module under Outdoor Conditions. Applied Sciences (Switzerland), 2021, 11, 5287.	1.3	5
21	Electromagnetic and thermal design of totally enclosed non-ventilated synchronous generator with interior permanent magnets. , 2017, , .		4
22	A novel concept of linear oscillatory synchronous generator designed for a stirling engine. Energy, 2019, 180, 19-27.	4.5	4
23	The classification of explosion-proof protected induction motor into adequate temperature and efficiency class. AIP Conference Proceedings, 2017, , .	0.3	2
24	Experimental Validation of a Dynamic Photovoltaic/Thermal Collector Model in Combination with a Thermal Energy Storage Tank. Energies, 2021, 14, 8162.	1.6	2
25	Method for Planning, Optimizing, and Regulating EV Charging Infrastructure. Energies, 2022, 15, 4756.	1.6	2
26	Comparison of the Shading Influence on PV Modules of Different Technologies. , 0, , .		1
27	Monitoring of the solar power plants and performance ratio. AIP Conference Proceedings, 2017, , .	0.3	0
28	Quality assessment of used materials for pressure vessel design of stirling engine prototype. , 2017, , .		0
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