

Sergey G Obukhov

List of Publications by Year in descending order

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177
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Wind Speed Based on Fractional Ornstein-Uhlenbeck Process. <i>Energies</i> , 2021, 14, 5561.	3.1	3
2	Parameters identification and optimization of photovoltaic panels under real conditions using Lambert W-function. <i>Energy Reports</i> , 2021, 7, 9035-9045.	5.1	15
3	Estimation of Solar Resource Based on Meteorological and Geographical Data: Sonora State in Northwestern Territory of Mexico as Case Study. <i>Energies</i> , 2020, 13, 6501.	3.1	8
4	Optimal Performance of Dynamic Particle Swarm Optimization Based Maximum Power Trackers for Stand-Alone PV System Under Partial Shading Conditions. <i>IEEE Access</i> , 2020, 8, 20770-20785.	4.2	96
5	Improved particle swarm optimization for global maximum power point tracking of partially shaded PV array. <i>Electrical Engineering</i> , 2019, 101, 443-455.	2.0	40
6	Power Balance Management of an Autonomous Hybrid Energy System Based on the Dual-Energy Storage. <i>Energies</i> , 2019, 12, 4690.	3.1	6
7	Mathematical model of solar radiation based on climatological data from NASA SSE. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 363, 012021.	0.6	9
8	Method for selecting parameters and assessing efficiency of wind-diesel power plants for autonomous electrical supply systems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 289, 012026.	0.6	0
9	Maximum power point tracking of partially shading PV system using cuckoo search algorithm. <i>International Journal of Power Electronics and Drive Systems</i> , 2018, 10, 1081.	0.6	4
10	Renewable sources in system distributed generation. , 2017, , .		17
11	Method for Prediction of the Power Output from Photovoltaic Power Plant under Actual Operating Conditions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 189, 012008.	0.6	8
12	The experimental studies of operating modes of a diesel-generator set at variable speed. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 177, 012143.	0.6	2
13	Development of The Structural and Functional Design of the Laboratory Bench for Experimental Research Diesel Generator Sets on Variable Speed. <i>MATEC Web of Conferences</i> , 2017, 91, 01036.	0.2	9
14	Methods of effective use of solar power system. , 2016, , .		10
15	Forecasting and simulation of electrical loads in decentralized zones in Russia. , 2016, , .		3