Sergey G Obukhov

List of Publications by Year
in descending order

15 papers	230 citations	1307594 7 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	177 citing authors

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