

Eugenia Paulescu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

590
citations

706676

14
h-index

685536

24
g-index

42
all docs

42
docs citations

42
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Nowcasting solar irradiance for effective solar power plants operation and smart grid management. , 2021, , 249-270.		10
2	Quantification of the aerosol-induced errors in solar irradiance modeling. Meteorology and Atmospheric Physics, 2021, 133, 1395-1407.	0.9	4
3	A new clear sky solar irradiance model. Renewable Energy, 2021, 179, 2094-2103.	4.3	6
4	A simple and reliable empirical model with two predictors for estimating 1-minute diffuse fraction. Solar Energy, 2019, 180, 75-84.	2.9	23
5	Short-term forecasting of solar irradiance. Renewable Energy, 2019, 143, 985-994.	4.3	32
6	Parametric modeling: A simple and versatile route to solar irradiance. Energy Conversion and Management, 2018, 164, 175-187.	4.4	23
7	Nowcasting the Output Power of PV Systems. E3S Web of Conferences, 2018, 61, 00010.	0.2	2
8	Online Forecasting of the Solar Energy Production. Annals of West University of Timisoara: Physics, 2018, 60, 104-110.	0.2	1
9	A simplified but accurate UV index model. AIP Conference Proceedings, 2017, , .	0.3	0
10	MODEL FOR THE UV BIOLOGICALLY EFFECTIVE DOSE AND APPLICATION UNDER FUTURE CLIMATE CONDITIONS. Environmental Engineering and Management Journal, 2017, 16, 225-234.	0.2	0
11	Å...ngstrÅ...mâ€“Prescott equation: Physical basis, empirical models and sensitivity analysis. Renewable and Sustainable Energy Reviews, 2016, 62, 495-506.	8.2	71
12	A theoretical framework for Å...ngstrÅ...m equation. Its virtues and liabilities in solar energy estimation. Energy Conversion and Management, 2016, 112, 236-245.	4.4	13
13	Regression models for hourly diffuse solar radiation. Solar Energy, 2016, 125, 111-124.	2.9	47
14	Nowcasting solar irradiance using the sunshine number. Energy Conversion and Management, 2014, 79, 690-697.	4.4	29
15	Quality assurance in the laboratory testing process: Indirect estimation of the reference intervals for platelet parameters in neonates. Clinical Biochemistry, 2014, 47, 33-37.	0.8	7
16	Evaluation of errors made in solar irradiance estimation due to averaging the Angstrom turbidity coefficient. Atmospheric Research, 2014, 150, 69-78.	1.8	10
17	Influence of aerosols pollution on the amount of collectable solar energy. Energy Conversion and Management, 2013, 70, 76-82.	4.4	34
18	Quality in post-analytical phase: Indirect reference intervals for erythrocyte parameters of neonates. Clinical Biochemistry, 2013, 46, 617-621.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Modeling Solar Radiation at the Earth Surface. Green Energy and Technology, 2013, , 127-179.	0.4	21
20	Solar Radiation Measurements. Green Energy and Technology, 2013, , 17-42.	0.4	14
21	Forecasting hourly global solar irradiation using simple non-seasonal models. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	4
22	Forecasting the Power Output of PV Systems. Green Energy and Technology, 2013, , 325-345.	0.4	0
23	Weather Modeling and Forecasting of PV Systems Operation. Green Energy and Technology, 2013, , .	0.4	67
24	Atmospheric transmittance model for photosynthetically active radiation. , 2013, , .		2
25	Outdoor Operation of PV Systems. Green Energy and Technology, 2013, , 271-324.	0.4	10
26	Air Temperature-Based Models. Green Energy and Technology, 2013, , 239-269.	0.4	0
27	Stability of the Radiative Regime. Green Energy and Technology, 2013, , 89-126.	0.4	0
28	Fuzzy Logic Approaches. Green Energy and Technology, 2013, , 203-237.	0.4	0
29	State of the Sky Assessment. Green Energy and Technology, 2013, , 43-88.	0.4	0
30	Procedure of embedding biological action functions into the atmospheric transmittance. Theoretical and Applied Climatology, 2012, 109, 323-332.	1.3	2
31	PGO models in the envelope function and effective mass approximations. European Physical Journal B, 2011, 80, 115-120.	0.6	0
32	A temperature-based model for global solar irradiance and its application to estimate daily irradiation values. International Journal of Energy Research, 2011, 35, 520-529.	2.2	19
33	A HYBRID MODEL FOR QUANTUM WELL SOLAR CELLS. International Journal of Modern Physics B, 2010, 24, 2121-2133.	1.0	5
34	ON QUANTUM HYDRODYNAMIC MODELS FOR ELECTRONIC TRANSPORT IN NANOSCALE SEMICONDUCTOR DEVICES. Modern Physics Letters B, 2010, 24, 401-409.	1.0	0
35	UV solar irradiance from broadband radiation and other meteorological data. Atmospheric Research, 2010, 96, 141-148.	1.8	28
36	PSEUDO“GAUSSIAN SUPERLATTICE. International Journal of Modern Physics C, 2010, 21, 1095-1105.	0.8	2

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37	Fuzzy modelling of solar irradiation using air temperature data. Theoretical and Applied Climatology, 2008, 91, 181-192.	1.3	28
38	Fuzzy logic algorithms for atmospheric transmittances of use in solar energy estimation. Energy Conversion and Management, 2008, 49, 3691-3697.	4.4	24
39	Models for obtaining daily global solar irradiation from air temperature data. Atmospheric Research, 2006, 79, 227-240.	1.8	32
40	ASSESSMENTS ON THE MULTIJUNCTION SOLAR CELLS PHOTOELECTRIC EFFICIENCY RELATED TO THE SEMICONDUCTOR BAND GAP AND OUTDOOR CONDITIONS. Modern Physics Letters B, 2005, 19, 447-457.	1.0	5