

Eugenia Paulescu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

590
citations

623734

14
h-index

610901

24
g-index

42
all docs

42
docs citations

42
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	Ångström–Prescott equation: Physical basis, empirical models and sensitivity analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 495-506.	16.4	71
2	Weather Modeling and Forecasting of PV Systems Operation. <i>Green Energy and Technology</i> , 2013, , .	0.6	67
3	Regression models for hourly diffuse solar radiation. <i>Solar Energy</i> , 2016, 125, 111-124.	6.1	47
4	Influence of aerosols pollution on the amount of collectable solar energy. <i>Energy Conversion and Management</i> , 2013, 70, 76-82.	9.2	34
5	Models for obtaining daily global solar irradiation from air temperature data. <i>Atmospheric Research</i> , 2006, 79, 227-240.	4.1	32
6	Short-term forecasting of solar irradiance. <i>Renewable Energy</i> , 2019, 143, 985-994.	8.9	32
7	Nowcasting solar irradiance using the sunshine number. <i>Energy Conversion and Management</i> , 2014, 79, 690-697.	9.2	29
8	Fuzzy modelling of solar irradiation using air temperature data. <i>Theoretical and Applied Climatology</i> , 2008, 91, 181-192.	2.8	28
9	UV solar irradiance from broadband radiation and other meteorological data. <i>Atmospheric Research</i> , 2010, 96, 141-148.	4.1	28
10	Fuzzy logic algorithms for atmospheric transmittances of use in solar energy estimation. <i>Energy Conversion and Management</i> , 2008, 49, 3691-3697.	9.2	24
11	Parametric modeling: A simple and versatile route to solar irradiance. <i>Energy Conversion and Management</i> , 2018, 164, 175-187.	9.2	23
12	A simple and reliable empirical model with two predictors for estimating 1-minute diffuse fraction. <i>Solar Energy</i> , 2019, 180, 75-84.	6.1	23
13	Modeling Solar Radiation at the Earth Surface. <i>Green Energy and Technology</i> , 2013, , 127-179.	0.6	21
14	A temperature-based model for global solar irradiance and its application to estimate daily irradiation values. <i>International Journal of Energy Research</i> , 2011, 35, 520-529.	4.5	19
15	Solar Radiation Measurements. <i>Green Energy and Technology</i> , 2013, , 17-42.	0.6	14
16	A theoretical framework for Ångström equation. Its virtues and liabilities in solar energy estimation. <i>Energy Conversion and Management</i> , 2016, 112, 236-245.	9.2	13
17	Quality in post-analytical phase: Indirect reference intervals for erythrocyte parameters of neonates. <i>Clinical Biochemistry</i> , 2013, 46, 617-621.	1.9	11
18	Evaluation of errors made in solar irradiance estimation due to averaging the Angstrom turbidity coefficient. <i>Atmospheric Research</i> , 2014, 150, 69-78.	4.1	10

#	ARTICLE	IF	CITATIONS
19	Nowcasting solar irradiance for effective solar power plants operation and smart grid management. , 2021, , 249-270.		10
20	Outdoor Operation of PV Systems. Green Energy and Technology, 2013, , 271-324.	0.6	10
21	Quality assurance in the laboratory testing process: Indirect estimation of the reference intervals for platelet parameters in neonates. Clinical Biochemistry, 2014, 47, 33-37.	1.9	7
22	A new clear sky solar irradiance model. Renewable Energy, 2021, 179, 2094-2103.	8.9	6
23	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.	1.9	5
24	A HYBRID MODEL FOR QUANTUM WELL SOLAR CELLS. International Journal of Modern Physics B, 2010, 24, 2121-2133.	2.0	5
25	Forecasting hourly global solar irradiation using simple non-seasonal models. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	4
26	Quantification of the aerosol-induced errors in solar irradiance modeling. Meteorology and Atmospheric Physics, 2021, 133, 1395-1407.	2.0	4
27	PSEUDO“GAUSSIAN SUPERLATTICE. International Journal of Modern Physics C, 2010, 21, 1095-1105.	1.7	2
28	Procedure of embedding biological action functions into the atmospheric transmittance. Theoretical and Applied Climatology, 2012, 109, 323-332.	2.8	2
29	Atmospheric transmittance model for photosynthetically active radiation. , 2013, , .		2
30	Nowcasting the Output Power of PV Systems. E3S Web of Conferences, 2018, 61, 00010.	0.5	2
31	Online Forecasting of the Solar Energy Production. Annals of West University of Timisoara: Physics, 2018, 60, 104-110.	0.2	1
32	ON QUANTUM HYDRODYNAMIC MODELS FOR ELECTRONIC TRANSPORT IN NANOSCALE SEMICONDUCTOR DEVICES. Modern Physics Letters B, 2010, 24, 401-409.	1.9	0
33	PGO models in the envelope function and effective mass approximations. European Physical Journal B, 2011, 80, 115-120.	1.5	0
34	Forecasting the Power Output of PV Systems. Green Energy and Technology, 2013, , 325-345.	0.6	0
35	A simplified but accurate UV index model. AIP Conference Proceedings, 2017, , .	0.4	0
36	Air Temperature-Based Models. Green Energy and Technology, 2013, , 239-269.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Stability of the Radiative Regime. Green Energy and Technology, 2013, , 89-126.	0.6	0
38	Fuzzy Logic Approaches. Green Energy and Technology, 2013, , 203-237.	0.6	0
39	State of the Sky Assessment. Green Energy and Technology, 2013, , 43-88.	0.6	0
40	MODEL FOR THE UV BIOLOGICALLY EFFECTIVE DOSE AND APPLICATION UNDER FUTURE CLIMATE CONDITIONS. Environmental Engineering and Management Journal, 2017, 16, 225-234.	0.6	0