

# Robert Blaga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3342506/publications.pdf>

Version: 2024-02-01

18  
papers

501  
citations

1163117

8  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

396  
citing authors

#	ARTICLE	IF	CITATIONS
1	A one-parameter family of clear-sky solar irradiance models adapted for different aerosol types. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	2.0	6
2	Quantification of the aerosol-induced errors in solar irradiance modeling. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 1395-1407.	2.0	4
3	Verification of deterministic solar forecasts. <i>Solar Energy</i> , 2020, 210, 20-37.	6.1	142
4	The impact of temporal smoothing on the accuracy of separation models. <i>Solar Energy</i> , 2019, 191, 371-381.	6.1	5
5	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
6	A current perspective on the accuracy of incoming solar energy forecasting. <i>Progress in Energy and Combustion Science</i> , 2019, 70, 119-144.	31.2	164
7	Parametric modeling: A simple and versatile route to solar irradiance. <i>Energy Conversion and Management</i> , 2018, 164, 175-187.	9.2	23
8	High-order quadrature-based lattice Boltzmann models for the flow of ultrarelativistic rarefied gases. <i>Physical Review C</i> , 2018, 98, .	2.9	19
9	Quantifiers for the solar irradiance variability: A new perspective. <i>Solar Energy</i> , 2018, 174, 606-616.	6.1	29
10	Online Forecasting of the Solar Energy Production. <i>Annals of West University of Timisoara: Physics</i> , 2018, 60, 104-110.	0.2	1
11	Quadrature-based lattice Boltzmann model for relativistic flows. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
12	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
13	Quantum Larmor radiation in de Sitter spacetime. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	2
14	Regression models for hourly diffuse solar radiation. <i>Solar Energy</i> , 2016, 125, 111-124.	6.1	47
15	Quantification of the Solar Radiative Regime Variability Based on the Clearness Index. <i>Annals of West University of Timisoara: Physics</i> , 2016, 59, 13-17.	0.2	1
16	One-photon pair production on the expanding de Sitter spacetime. <i>Physical Review D</i> , 2015, 92, .	4.7	5
17	Radiation of inertial scalar particles in the de Sitter universe. <i>Modern Physics Letters A</i> , 2015, 30, 1550062.	1.2	7
18	Relativistic Rotating Boltzmann Gas Using the Tetrad Formalism. <i>Annals of West University of Timisoara: Physics</i> , 2015, 58, 89-108.	0.2	7