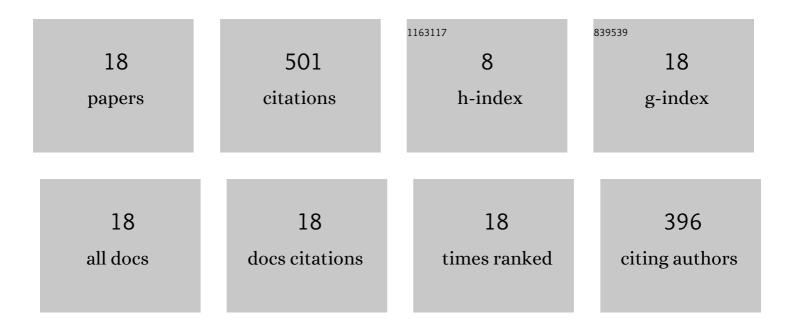
## **Robert Blaga**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3342506/publications.pdf Version: 2024-02-01



| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A one-parameter family of clear-sky solar irradiance models adapted for different aerosol types.<br>Journal of Renewable and Sustainable Energy, 2021, 13, .    | 2.0  | 6         |
| 2  | Quantification of the aerosol-induced errors in solar irradiance modeling. Meteorology and Atmospheric Physics, 2021, 133, 1395-1407.                           | 2.0  | 4         |
| 3  | Verification of deterministic solar forecasts. Solar Energy, 2020, 210, 20-37.  | 6.1  | 142       |
| 4  | The impact of temporal smoothing on the accuracy of separation models. Solar Energy, 2019, 191, 371-381.  | 6.1  | 5         |
| 5  | A simple and reliable empirical model with two predictors for estimating 1-minute diffuse fraction.<br>Solar Energy, 2019, 180, 75-84.                          | 6.1  | 23        |
| 6  | A current perspective on the accuracy of incoming solar energy forecasting. Progress in Energy and Combustion Science, 2019, 70, 119-144.                       | 31.2 | 164       |
| 7  | Parametric modeling: A simple and versatile route to solar irradiance. Energy Conversion and Management, 2018, 164, 175-187.                                    | 9.2  | 23        |
| 8  | High-order quadrature-based lattice Boltzmann models for the flow of ultrarelativistic rarefied gases. Physical Review C, 2018, 98, .                           | 2.9  | 19        |
| 9  | Quantifiers for the solar irradiance variability: A new perspective. Solar Energy, 2018, 174, 606-616.  | 6.1  | 29        |
| 10 | Online Forecasting of the Solar Energy Production. Annals of West University of Timisoara: Physics, 2018, 60, 104-110.  | 0.2  | 1         |
| 11 | Quadrature-based lattice Boltzmann model for relativistic flows. AIP Conference Proceedings, 2017, , .  | 0.4  | 3         |
| 12 | A theoretical framework for Ångström equation. Its virtues and liabilities in solar energy estimation.<br>Energy Conversion and Management, 2016, 112, 236-245. | 9.2  | 13        |
| 13 | Quantum Larmor radiation in de Sitter spacetime. European Physical Journal C, 2016, 76, 1.  | 3.9  | 2         |
| 14 | Regression models for hourly diffuse solar radiation. Solar Energy, 2016, 125, 111-124.   | 6.1  | 47        |
| 15 | Quantification of the Solar Radiative Regime Variability Based on the Clearness Index. Annals of West<br>University of Timisoara: Physics, 2016, 59, 13-17.     | 0.2  | 1         |
| 16 | One-photon pair production on the expanding de Sitter spacetime. Physical Review D, 2015, 92, .   | 4.7  | 5         |
| 17 | Radiation of inertial scalar particles in the de Sitter universe. Modern Physics Letters A, 2015, 30,<br>1550062.   | 1.2  | 7         |
| 18 | Relativistic Rotating Boltzmann Gas Using the Tetrad Formalism. Annals of West University of<br>Timisoara: Physics, 2015, 58, 89-108.                           | 0.2  | 7         |