

## Listalucrărilorpublicate

(i) Titlul tezei de doctorat

“Procese radiative în spațiu-timpul de Sitter în ordinul întâi al teoriei perturbațiilor”

(ii) Listapublicațiilorînrevistecotate ISI

Nr. crt.	Referința bibliografică (Autori, Titlul, Revista, Vol., anul, pag. încep. – pag.sf.)	$AIS_i$	$n_i$	$n_i^{ef}$	$AIS_i / n_i^{ef}$
1.	R. Blaga, <i>Radiation of inertial scalar particles in the de Sitter universe</i> . <b>Modern Phys Lett A</b> , 30, (2015) 1550062.	0.314	1	1	0.314
2.	R. Blaga. <i>One-photon pair production on the expanding de Sitter spacetime</i> . <b>Phys. Rev. D</b> , 92, (2015) 084054.	1.105	1	1	1.105
3.	R. Blaga, S. Busuioc. <i>Quantum Larmor radiation in de Sitter spacetime</i> . <b>Eur. Phys. J. C</b> , 76, (2016) 500.	1.673	2	2	0.836
4.	E. Paulescu, R. Blaga. <i>Regression models for hourly diffuse solar radiation</i> . <b>Solar Energy</b> , 125, (2016) 111-124.	0.830	2	2	0.415
5.	N. Stefu, M. Paulescu, <b>R. Blaga</b> , D. Calinoiu, N. Pop, R. Boata, E. Paulescu. <i>A theoretical framework for Ångström equation. Its virtues and liabilities in solar energy estimation</i> . <b>Energ. Convers. Manage.</b> , 112, (2016) 236-245.	0.890	7	6	0.148
6.	D. Calinoiu, N. Stefu, R. Boata, <b>R. Blaga</b> , N. Pop, E. Paulescu, A. Sabadus, M. Paulescu. <i>Parametric modeling: A simple and versatile route to solar irradiance</i> . <b>Energ. Convers. Manage.</b> , 164, (2018) 175-187.	1.006	8	6.5	0.155
7.	V.E. Ambruș, R. Blaga. <i>High-order quadrature-based lattice Boltzmann models for the flow of ultrarelativistic rarefied gases</i> . <b>Phys. Rev. C</b> , 98, (2018) 035201.	0.737	2	2	0.369
8.	R. Blaga, M. Paulescu. <i>Quantifiers for the solar irradiance variability: A new perspective</i> . <b>Solar Energy</b> , 174, (2018) 606-616.	0.799	2	2	0.399
9.	E. Paulescu, <b>R. Blaga</b> . <i>A simple and reliable empirical model with two predictors for estimating 1-minute diffuse fraction</i> . <b>Solar Energy</b> <b>180</b> , 75-84 (2019).	0.799	2	2	0.399
10.	<b>R. Blaga</b> . <i>The impact of temporal smoothing on the accuracy of separation models</i> . <b>Solar Energy</b> <b>191</b> , 371-381 (2019).	0.799	1	1	0.799
11.	<b>R. Blaga</b> , R., Sabadus, A., Stefu, N., Dughir, C., Paulescu, M. and Badescu, V., 2019. A current perspective on the accuracy of incoming solar	7.137	6	5.5	1.3

	energy forecasting. <i>Progress in Energy and Combustion Science</i> , 70, pp.119-144.				
12.	D. Yang, S. Alessandrini, J. Antonanzas, F. Antonanzas-Torres, V. Badescu, H.G. Beyer, <b>R. Blaga</b> , J. Boland, J.M. Bright, C.F. Coimbra, M. David et al. <i>Verification of deterministic solar forecasts</i> . <i>Solar Energy</i> <b>210</b> , 20-37 (2020).	0.805	33	16	0.05
		<b>P=12.64</b>			<b>I = 6.29</b>

(iii) Listapublicațiilor în extenso în lucrări ale principalelor conferințe internaționale

Nr. crt.	Titlul	Autori	Revista, editura, an, link (dacă este cazul)	Punctaj $0.2/n_i^{ef}$
1.	"Quantum radiation from an inertial scalar charge evolving in the de Sitter universe: Weak-field limit"	Blaga, R.	<b>AIP Conference Proceedings</b> , 1694, 020018 (2015).	0.2
2.	"Quadrature-based lattice Boltzmann model for relativistic flows."	Blaga R., Ambruș V.E.	<b>AIP Conference Proceedings</b> , 1796, 020010 (2017).	0.1
3.	"Characterizing the Variability of High Resolution Solar Irradiance Data Series"	Blaga R., Paulescu M.	In: Visa I., Duta A. (eds) <i>Nearly Zero Energy Communities. CSE 2017. Springer Proceedings in Energy</i> . Springer, Cham	0.1
				<b>0.4</b>