Vasileios Barlakas

List of Publications by Citations

9 papers	120 citations	5 h-index	10 g-index
15 ext. papers	142 ext. citations	3.9 avg, IF	2.77 L-index

#	Paper	IF	Citations
9	IPRT polarized radiative transfer model intercomparison project Phase A. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2015**, 164, 8-36	2.1	64
8	IPRT polarized radiative transfer model intercomparison project Three-dimensional test cases (phase B). *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2018**, 209, 19-44	2.1	24
7	SPARTA Solver for Polarized Atmospheric Radiative Transfer Applications: Introduction and application to Saharan dust fields. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2016**, 178, 77-92	2.1	11
6	Three Dimensional Radiative Effects in Passive Millimeter/Sub-Millimeter All-sky Observations. *Remote Sensing*, **2020**, 12, 531	5	6
5	Introducing hydrometeor orientation into all-sky microwave and submillimeter assimilation. *Atmospheric Measurement Techniques*, **2021**, 14, 3427-3447	4	6
4	The sub-adiabatic model as a concept for evaluating the representation and radiative effects of low-level clouds in a high-resolution atmospheric model. *Atmospheric Chemistry and Physics*, **2020**, 20, 303-322	6.8	3
3	On the accuracy of RTTOV-SCATT for radiative transfer at all-sky microwave and submillimeter frequencies. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2022**, 283, 108137	2.1	2
2	Bulk hydrometeor optical properties for microwave and sub-millimetre radiative transfer in RTTOV-SCATT v13.0. *Geoscientific Model Development*, **2021**, 14, 7497-7526	6.3	1
1	Fast Radiative Transfer Approximating Ice Hydrometeor Orientation and Its Implication on IWP Retrievals. *Remote Sensing*, **2022**, 14, 1594	5	0