

# Vasileios Barlakas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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