

Alan Geer

List of Publications by Year in descending order

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17
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17
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331
citing authors

#	ARTICLE	IF	CITATIONS
1	The future of Earth system prediction: Advances in model-data fusion. <i>Science Advances</i> , 2022, 8, eabn3488.	4.7	35
2	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> , 2022, 283, 108137.	1.1	3
3	Learning earth system models from observations: machine learning or data assimilation?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200089.	1.6	63
4	Introducing hydrometeor orientation into all-sky microwave and submillimeter assimilation. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3427-3447.	1.2	9
5	Physical characteristics of frozen hydrometeors inferred with parameter estimation. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5369-5395.	1.2	11
6	Building Tangent-Linear and Adjoint Models for Data Assimilation With Neural Networks. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002521.	1.3	22
7	Bulk hydrometeor optical properties for microwave and sub-millimetre radiative transfer in RTTOV-SCATT v13.0. <i>Geoscientific Model Development</i> , 2021, 14, 7497-7526.	1.3	7
8	How radiative transfer models can support the future needs of earth-system forecasting and re-analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 251, 107044.	1.1	5
9	A review of sources of systematic errors and uncertainties in observations and simulations at 183 GHz. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2207-2221.	1.2	41
10	Improved scattering radiative transfer for frozen hydrometeors at microwave frequencies. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1839-1860.	1.2	97