

# Alan Geer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6929836/publications.pdf>

Version: 2024-02-01

10  
papers

312  
citations

1307366

7  
h-index

1281743

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

331  
citing authors

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