

# Peer J Nowack

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9378285/publications.pdf>

Version: 2024-02-01

18  
papers

1,051  
citations

516710

16  
h-index

794594

19  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting and quantifying causal associations in large nonlinear time series datasets. <i>Science Advances</i> , 2019, 5, eaau4996.	10.3	354
2	A large ozone-circulation feedback and its implications for global warming assessments. <i>Nature Climate Change</i> , 2015, 5, 41-45.	18.8	115
3	High-mobility, trap-free charge transport in conjugated polymer diodes. <i>Nature Communications</i> , 2019, 10, 2122.	12.8	92
4	Causal networks for climate model evaluation and constrained projections. <i>Nature Communications</i> , 2020, 11, 1415.	12.8	55
5	Evaluating stratospheric ozone and water vapour changes in CMIP6 models from 1850 to 2100. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5015-5061.	4.9	54
6	Observational evidence that cloud feedback amplifies global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
7	Using machine learning to build temperature-based ozone parameterizations for climate sensitivity simulations. <i>Environmental Research Letters</i> , 2018, 13, 104016.	5.2	48
8	Impacts of stratospheric sulfate geoengineering on tropospheric ozone. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11913-11928.	4.9	42
9	Stratospheric ozone changes under solar geoengineering: implications for UV exposure and air quality. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4191-4203.	4.9	41
10	Predicting global patterns of long-term climate change from short-term simulations using machine learning. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	6.8	33
11	On the role of ozone feedback in the ENSO amplitude response under global warming. <i>Geophysical Research Letters</i> , 2017, 44, 3858-3866.	4.0	32
12	The Impact of Stratospheric Ozone Feedbacks on Climate Sensitivity Estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4630-4641.	3.3	25
13	A machine learning approach to quantify meteorological drivers of ozone pollution in China from 2015 to 2019. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8385-8402.	4.9	24
14	A 1D RCE Study of Factors Affecting the Tropical Tropopause Layer and Surface Climate. <i>Journal of Climate</i> , 2019, 32, 6769-6782.	3.2	19
15	The importance of antecedent vegetation and drought conditions as global drivers of burnt area. <i>Biogeosciences</i> , 2021, 18, 3861-3879.	3.3	18
16	Machine learning calibration of low-cost NO <sub>2</sub> and PM <sub>10</sub> sensors: non-linear algorithms and their impact on site transferability. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5637-5655.	3.1	17
17	Tropical Pacific climate variability under solar geoengineering: impacts on ENSO extremes. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15461-15485.	4.9	9
18	An unsupervised learning approach to identifying blocking events: the case of European summer. <i>Weather and Climate Dynamics</i> , 2021, 2, 581-608.	3.5	4