

Z R J Nicholls

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4677846/publications.pdf>

Version: 2024-02-01

22
papers

1,934
citations

623188

14
h-index

794141

19
g-index

45
all docs

45
docs citations

45
times ranked

1952
citing authors

#	ARTICLE	IF	CITATIONS
1	The shared socio-economic pathway (SSP) greenhouse gas concentrations and their extensions to 2500. <i>Geoscientific Model Development</i> , 2020, 13, 3571-3605.	1.3	539
2	A new scenario logic for the Paris Agreement long-term temperature goal. <i>Nature</i> , 2019, 573, 357-363.	13.7	307
3	Realization of Paris Agreement pledges may limit warming just below 2°C. <i>Nature</i> , 2022, 604, 304-309.	13.7	242
4	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , 2021, 12, 253-293.	2.7	236
5	A modified impulse-response representation of the global near-surface air temperature and atmospheric concentration response to carbon dioxide emissions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7213-7228.	1.9	120
6	Can updated climate pledges limit warming well below 2°C?. <i>Science</i> , 2021, 374, 693-695.	6.0	80
7	Reduced Complexity Model Intercomparison Project Phase 1: introduction and evaluation of global-mean temperature response. <i>Geoscientific Model Development</i> , 2020, 13, 5175-5190.	1.3	70
8	Opportunities and challenges in using remaining carbon budgets to guide climate policy. <i>Nature Geoscience</i> , 2020, 13, 769-779.	5.4	68
9	Cloud, precipitation and radiation responses to large perturbations in global dimethyl sulfide. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10177-10198.	1.9	34
10	FaIRv2.0.0: a generalized impulse response model for climate uncertainty and future scenario exploration. <i>Geoscientific Model Development</i> , 2021, 14, 3007-3036.	1.3	34
11	Reduced Complexity Model Intercomparison Project Phase 2: Synthesizing Earth System Knowledge for Probabilistic Climate Projections. <i>Earth's Future</i> , 2021, 9, e2020EF001900.	2.4	28
12	Silicone v1.0.0: an open-source Python package for inferring missing emissions data for climate change research. <i>Geoscientific Model Development</i> , 2020, 13, 5259-5275.	1.3	24
13	Multi-century dynamics of the climate and carbon cycle under both high and net negative emissions scenarios. <i>Earth System Dynamics</i> , 2022, 13, 885-909.	2.7	17
14	Carbon removals from nature restoration are no substitute for steep emission reductions. <i>One Earth</i> , 2022, 5, 812-824.	3.6	17
15	GWP* is a model, not a metric. <i>Environmental Research Letters</i> , 2022, 17, 041002.	2.2	16
16	pyam: Analysis and visualisation of integrated assessment and macro-energy scenarios. <i>Open Research Europe</i> , 0, 1, 74.	2.0	15
17	From emission scenarios to spatially resolved projections with a chain of computationally efficient emulators: coupling of MAGICC (v7.5.1) and MESMER (v0.8.3). <i>Geoscientific Model Development</i> , 2022, 15, 2085-2103.	1.3	12
18	Implications of non-linearities between cumulative CO ₂ emissions and CO ₂ -induced warming for assessing the remaining carbon budget. <i>Environmental Research Letters</i> , 2020, 15, 074017.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Regionally aggregated, stitched and de-drifted CMIP climate data, processed with netCDF-SCM v2.0.0. Geoscience Data Journal, 0, , .	1.8	8
20	Dynamic modelling shows substantial contribution of ecosystem restoration to climate change mitigation. Environmental Research Letters, 2021, 16, 124061.	2.2	8
21	pyam: Analysis and visualisation of integrated assessment and macro-energy scenarios. Open Research Europe, 0, 1, 74.	2.0	2
22	OpenSCM Two Layer Model: A Python implementation of the two-layer climate model. Journal of Open Source Software, 2021, 6, 2766.	2.0	1