Stefan Liess

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4092869/publications.pdf

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25	534	759233 12	839539 18
papers	citations	h-index	g-index

27	27	27	828
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the relationship between QBO and distribution of tropical deep convection. Journal of Geophysical Research, 2012, 117, .	3.3	94
2	Use of dynamical downscaling to improve the simulation of Central U.S. warm season precipitation in CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,522.	3.3	44
3	Predictability Studies of the Intraseasonal Oscillation with the ECHAM5 GCM. Journals of the Atmospheric Sciences, 2005, 62, 3320-3336.	1.7	40
4	Toward enhanced understanding and projections of climate extremes using physics-guided data mining techniques. Nonlinear Processes in Geophysics, 2014, 21, 777-795.	1.3	40
5	Impacts of deforestation and afforestation in the Mediterranean region as simulated by the MPI atmospheric GCM. Global and Planetary Change, 2001, 30, 309-328.	3.5	36
6	A graphâ€based approach to find teleconnections in climate data. Statistical Analysis and Data Mining, 2013, 6, 158-179.	2.8	29
7	Discovering interesting sub-paths in spatiotemporal datasets. , 2011, , .		24
8	The intraseasonal oscillation in ECHAM4 Part II: sensitivity studies. Climate Dynamics, 2004, 22, 671-688.	3.8	23
9	The intraseasonal oscillation in ECHAM4 Part I: coupled to a comprehensive ocean model. Climate Dynamics, 2004, 22, 653-669.	3.8	21
10	EddyScan: A physically consistent ocean eddy monitoring application. , 2012, , .		21
11	Exploring the Predictability of 30-Day Extreme Precipitation Occurrence Using a Global SSTâ€“SLP Correlation Network. Journal of Climate, 2016, 29, 1013-1029.	3.2	18
12	Trend analysis using non-stationary time series clustering based on the finite element method. Nonlinear Processes in Geophysics, 2014, 21, 605-615.	1.3	17
13	The effects of boreal forest expansion on the summer Arctic frontal zone. Climate Dynamics, 2012, 38, 1805-1827.	3.8	16
14	Different Modes of Variability over the Tasman Sea: Implications for Regional Climate*. Journal of Climate, 2014, 27, 8466-8486.	3.2	16
15	Testing the significance of spatio-temporal teleconnection patterns. , 2012, , .		14
16	Drought Detection of the Last Century: An MRF-based Approach. , 2012, , .		14
17	A Teleconnection between the West Siberian Plain and the ENSO Region. Journal of Climate, 2017, 30, 301-315.	3.2	14
18	Highâ€Resolution Climate Projections Over Minnesota for the 21st Century. Earth and Space Science, 2022, 9, .	2.6	12

#	Article	IF	Citations
19	The simulated atmospheric response to expansion of the Arctic boreal forest biome. Climate Dynamics, 2014, 42, 487-503.	3.8	9
20	A Guide to Earth Science Data: Summary and Research Challenges. Computing in Science and Engineering, 2015, 17, 14-18.	1.2	8
21	Change Detection in Climate Time Series Based on Bounded-Variation Clustering. , 2015, , 185-194.		6
22	Differing precipitation response between solar radiation management and carbon dioxide removal due to fast and slow components. Earth System Dynamics, 2020, 11, 415-434.	7.1	5
23	Mining time-lagged relationships in spatio-temporal climate data. , 2012, , .		4
24	A cautionary note on decadal sea level pressure predictions from GCMs. Advances in Climate Change Research, 2018, 9, 43-56.	5.1	3
25	Evaluation of Global Climate Models Based on Global Impacts of ENSO. , 2015, , 101-109.		2