Fang Li

List of Publications by Year
in descending order

41 papers	3,322 citations	279798 23 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	5195 citing authors

#	Article	IF	Citations
1	A human-driven decline in global burned area. Science, 2017, 356, 1356-1362.	12.6	694
2	The Community Land Model Version 5: Description of New Features, Benchmarking, and Impact of Forcing Uncertainty. Journal of Advances in Modeling Earth Systems, 2019, 11, 4245-4287.	3.8	692
3	Historic global biomass burning emissions for CMIP6 (BB4CMIP) based on merging satellite observations with proxies and fire models (1750â€“2015). Geoscientific Model Development, 2017, 10, 3329-3357.	3.6	322
4	The status and challenge of global fire modelling. Biogeosciences, 2016, 13, 3359-3375.	3.3	274
5	The Fire Modeling Intercomparison Project (FireMIP), phase 1: experimental and analytical protocols with detailed model descriptions. Geoscientific Model Development, 2017, 10, 1175-1197.	3.6	159
6	A process-based fire parameterization of intermediate complexity in a Dynamic Global Vegetation Model. Biogeosciences, 2012, 9, 2761-2780.	3.3	156
7	Quantifying the role of fire in the Earth system â€“ Part 1: Improved global fire modeling in the Community Earth System Model (CESM1). Biogeosciences, 2013, 10, 2293-2314.	3.3	137
8	Emergent relationships with respect to burned area in global satellite observations and fire-enabled vegetation models. Biogeosciences, 2019, 16, 57-76.	3.3	85
9	Historical (1700â€“2012) global multi-model estimates of the fire emissions from the Fire Modeling Intercomparison Project (FireMIP). Atmospheric Chemistry and Physics, 2019, 19, 12545-12567.	4.9	64
10	Quantitative assessment of fire and vegetation properties in simulations with fire-enabled vegetation models from the Fire Model Intercomparison Project. Geoscientific Model Development, 2020, 13, 3299-3318.	3.6	63
11	Quantifying the role of fire in the Earth system â€“ Part 2: Impact on the net carbon balance of global terrestrial ecosystems for the 20th century. Biogeosciences, 2014, 11, 1345-1360.	3.3	62
12	Global ecosystems and fire: Multiâ€model assessment of fireâ€induced treeâ€cover and carbon storage reduction. Global Change Biology, 2020, 26, 5027-5041.	9.5	55
13	Role of Fire in the Global Land Water Budget during the Twentieth Century due to Changing Ecosystems. Journal of Climate, 2017, 30, 1893-1908.	3.2	54
14	A review of seasonal climate prediction research in China. Advances in Atmospheric Sciences, 2015, 32, 149-168.	4.3	50
15	Impact of fire on global land surface air temperature and energy budget for the 20th century due to changes within ecosystems. Environmental Research Letters, 2017, 12, 044014.	5.2	45
16	Holocene fire history in China: Responses to climate change and human activities. Science of the Total Environment, 2021, 753, 142019.	8.0	36
17	Response of simulated burned area to historical changes in environmental and anthropogenic factors: a comparison of seven fire models. Biogeosciences, 2019, 16, 3883-3910.	3.3	32
18	Evaluating the performance of CMIP6 Earth system models in simulating global vegetation structure and distribution. Advances in Climate Change Research, 2021, 12, 584-595.	5.1	31

#	Article	IF	Citations
19	Development of the IAP Dynamic Global Vegetation Model. Advances in Atmospheric Sciences, 2014, 31, 505-514.	4.3	29
20	Tripling of western US particulate pollution from wildfires in a warming climate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2111372119.	7.1	29
21	Land use change and El NiÃ±o-Southern Oscillation drive decadal carbon balance shifts in Southeast Asia. Nature Communications, 2018, 9, 1154.	12.8	28
22	Impacts of Wildfire Aerosols on Global Energy Budget and Climate: The Role of Climate Feedbacks. Journal of Climate, 2020, 33, 3351-3366.	3.2	27
23	Human impacts on 20th century fire dynamics and implications for global carbon and water trajectories. Global and Planetary Change, 2018, 162, 18-27.	3.5	25
24	Evaluation of the New Dynamic Global Vegetation Model in CAS-ESM. Advances in Atmospheric Sciences, 2018, 35, 659-670.	4.3	21
25	Statistical Prediction of East Asian Summer Monsoon Rainfall Based on SST and Sea Ice Concentration. Journal of the Meteorological Society of Japan, 2008, 86, 237-243.	1.8	20
26	Impact of interannual variations of spring sea ice in the Barents Sea on East Asian rainfall in June. Atmospheric and Oceanic Science Letters, 2018, 11, 275-281.	1.3	19
27	Climate influence on the 2019 fires in Amazonia. Science of the Total Environment, 2021, 794, 148718.	8.0	14
28	Improving multi-model ensemble probabilistic prediction of Yangtze River valley summer rainfall. Advances in Atmospheric Sciences, 2015, 32, 497-504.	4.3	11
29	Probabilistic seasonal prediction of summer rainfall over East China based on multi-model ensemble schemes. Journal of Meteorological Research, 2011, 25, 283-292.	1.0	9
30	Corrigendum to "A process-based fire parameterization of intermediate complexity in a Dynamic Global Vegetation Model" published in Biogeosciences, 9, 2761â€“2780, 2012. Biogeosciences, 2012, 9, 4771-4772.	3.3	9
31	The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. Earth System Science Data, 2022, 14, 1109-1124.	9.9	9
32	How Will Deforestation and Vegetation Degradation Affect Global Fire Activity?. Earth's Future, 2021, 9, e2020EF001786.	6.3	8
33	Impact of spin-up forcing on vegetation states simulated by a dynamic global vegetation model coupled with a land surface model. Advances in Atmospheric Sciences, 2011, 28, 775-788.	4.3	7
34	Vegetation biomass change in China in the 20th century: an assessment based on a combination of multi-model simulations and field observations. Environmental Research Letters, 2020, 15, 094026.	5.2	6
35	Modeling long-term fire impact on ecosystem characteristics and surface energy using a process-based vegetationâ€“fire model SSiB4/TRIFFID-Fire v1.0. Geoscientific Model Development, 2020, 13, 6029-6050.	3.6	6
36	Influence of atmospheric teleconnections on interannual variability of Arctic-boreal fires. Science of the Total Environment, 2022, 838, 156550.	8.0	5

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37	Modeling the short-term fire effects on vegetation dynamics and surface energy in southern Africa using the improved SSiB4/TRIFFID-Fire model. Geoscientific Model Development, 2021, 14, 7639-7657.	3.6	4
38	An intercomparison of rules for testing the significance of coupled modes of singular value decomposition analysis. Advances in Atmospheric Sciences, 2007, 24, 199-212.	4.3	2
39	Evaluation of the individual allocation scheme and its impacts in a dynamic global vegetation model. Atmospheric and Oceanic Science Letters, 2016, 9, 38-44.	1.3	2
40	Quantifying the impacts of fire aerosols on global terrestrial ecosystem productivity with the fully-coupled Earth system model CESM. Atmospheric and Oceanic Science Letters, 2020, 13, 330-337.	1.3	2
41	Fire Aerosols Slow Down the Global Water Cycle. Journal of Climate, 2022, 35, 7219-7233.	3.2	1