

Ning Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

22,230
citations

19608

61
h-index

9553

142
g-index

227
all docs

227
docs citations

227
times ranked

21034
citing authors

#	ARTICLE	IF	CITATIONS
1	Climateâ€™Carbon Cycle Feedback Analysis: Results from the C4MIP Model Intercomparison. Journal of Climate, 2006, 19, 3337-3353.	1.2	2,647
2	Greening of the Earth and its drivers. Nature Climate Change, 2016, 6, 791-795.	8.1	1,675
3	Reduced carbon emission estimates from fossil fuel combustion and cement production in China. Nature, 2015, 524, 335-338.	13.7	1,185
4	The dominant role of semi-arid ecosystems in the trend and variability of the land CO ₂ sink. Science, 2015, 348, 895-899.	6.0	1,002
5	Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO ₂ trends. Global Change Biology, 2013, 19, 2117-2132.	4.2	617
6	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	3.7	616
7	Detection and attribution of vegetation greening trend in China over the last 30 years. Global Change Biology, 2015, 21, 1601-1609.	4.2	597
8	Recent trends and drivers of regional sources and sinks of carbon dioxide. Biogeosciences, 2015, 12, 653-679.	1.3	587
9	The global carbon budget 1959â€™2011. Earth System Science Data, 2013, 5, 165-185.	3.7	527
10	Enhancement of Interdecadal Climate Variability in the Sahel by Vegetation Interaction. Science, 1999, 286, 1537-1540.	6.0	498
11	Compensatory water effects link yearly global land CO ₂ sink changes to temperature. Nature, 2017, 541, 516-520.	13.7	480
12	Global carbon budget 2014. Earth System Science Data, 2015, 7, 47-85.	3.7	463
13	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. Nature Communications, 2014, 5, 5018.	5.8	414
14	The Hydrological Cycle in the Mediterranean Region and Implications for the Water Budget of the Mediterranean Sea. Journal of Climate, 2002, 15, 1674-1690.	1.2	320
15	Recent global decline of CO ₂ fertilization effects on vegetation photosynthesis. Science, 2020, 370, 1295-1300.	6.0	317
16	A Quasi-Equilibrium Tropical Circulation Modelâ€™Formulation*. Journals of the Atmospheric Sciences, 2000, 57, 1741-1766.	0.6	309
17	Causes and impacts of the 2005 Amazon drought. Environmental Research Letters, 2008, 3, 014002.	2.2	285
18	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. Journal of Climate, 2009, 22, 5251-5272.	1.2	282

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19	Terrestrial mechanisms of interannual CO ₂ variability. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	1.9	256
20	Modeling study of regional severe hazes over mid-eastern China in January 2013 and its implications on pollution prevention and control. <i>Science China Earth Sciences</i> , 2014, 57, 3-13.	2.3	251
21	Estimating adult mortality attributable to PM _{2.5} exposure in China with assimilated PM _{2.5} concentrations based on a ground monitoring network. <i>Science of the Total Environment</i> , 2016, 568, 1253-1262.	3.9	251
22	Global patterns and controls of soil organic carbon dynamics as simulated by multiple terrestrial biosphere models: Current status and future directions. <i>Global Biogeochemical Cycles</i> , 2015, 29, 775-792.	1.9	241
23	An Atlantic influence on Amazon rainfall. <i>Climate Dynamics</i> , 2010, 34, 249-264.	1.7	217
24	The North American Carbon Program Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – Part 1: Overview and experimental design. <i>Geoscientific Model Development</i> , 2013, 6, 2121-2133.	1.3	212
25	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. <i>Journal of Climate</i> , 2013, 26, 5782-5809.	1.2	208
26	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. <i>Ecological Modelling</i> , 2012, 232, 144-157.	1.2	207
27	Mediterranean water cycle changes: transition to drier 21st century conditions in observations and CMIP3 simulations. <i>Environmental Research Letters</i> , 2008, 3, 044001.	2.2	203
28	Euro-Mediterranean rainfall and ENSO’s a seasonally varying relationship. <i>Geophysical Research Letters</i> , 2002, 29, 59-1.	1.5	188
29	Impact of large-scale climate extremes on biospheric carbon fluxes: An intercomparison based on MSTMIP data. <i>Global Biogeochemical Cycles</i> , 2014, 28, 585-600.	1.9	181
30	ATMOSPHERIC SCIENCE: Drought in the Sahel. <i>Science</i> , 2003, 302, 999-1000.	6.0	179
31	Long-term climate change in the Mediterranean region in the midst of decadal variability. <i>Climate Dynamics</i> , 2015, 44, 1437-1456.	1.7	173
32	Rapid formation and evolution of an extreme haze episode in Northern China during winter 2015. <i>Scientific Reports</i> , 2016, 6, 27151.	1.6	162
33	Historical and idealized climate model experiments: an intercomparison of Earth system models of intermediate complexity. <i>Climate of the Past</i> , 2013, 9, 1111-1140.	1.3	157
34	Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions. <i>Scientific Reports</i> , 2017, 7, 4765.	1.6	156
35	Agricultural Green Revolution as a driver of increasing atmospheric CO ₂ seasonal amplitude. <i>Nature</i> , 2014, 515, 394-397.	13.7	152
36	The Role of Vegetation-Climate Interaction and Interannual Variability in Shaping the African Savanna. <i>Journal of Climate</i> , 2000, 13, 2665-2670.	1.2	141

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37	Rapid formation of a severe regional winter haze episode over a mega-city cluster on the North China Plain. <i>Environmental Pollution</i> , 2017, 223, 605-615.	3.7	136
38	Enhanced terrestrial carbon uptake in the Northern High Latitudes in the 21st century from the Coupled Carbon Cycle Climate Model Intercomparison Project model projections. <i>Global Change Biology</i> , 2010, 16, 641-656.	4.2	134
39	A Quasi-Equilibrium Tropical Circulation Model—Implementation and Simulation*. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 1767-1796.	0.6	129
40	Seasonal cycle and interannual variability in the Amazon hydrologic cycle. <i>Journal of Geophysical Research</i> , 1999, 104, 9097-9106.	3.3	120
41	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. <i>Environmental Research Letters</i> , 2015, 10, 094008.	2.2	119
42	Climate model shows large-scale wind and solar farms in the Sahara increase rain and vegetation. <i>Science</i> , 2018, 361, 1019-1022.	6.0	119
43	Climate Change—the Chinese Challenge. <i>Science</i> , 2008, 319, 730-731.	6.0	115
44	The CLIVAR C20C project: which components of the Asian—Australian monsoon circulation variations are forced and reproducible?. <i>Climate Dynamics</i> , 2009, 33, 1051-1068.	1.7	107
45	The CLIVAR C20C project: selected twentieth century climate events. <i>Climate Dynamics</i> , 2009, 33, 603-614.	1.7	105
46	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. <i>Biogeosciences</i> , 2012, 9, 3571-3586.	1.3	103
47	Climatic Impact of Amazon Deforestation—A Mechanistic Model Study. <i>Journal of Climate</i> , 1996, 9, 859-883.	1.2	102
48	How strong is carbon cycle-climate feedback under global warming?. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	101
49	Impact of 1998-2002 midlatitude drought and warming on terrestrial ecosystem and the global carbon cycle. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	99
50	Glacial-interglacial atmospheric CO2 change —The glacial burial hypothesis. <i>Advances in Atmospheric Sciences</i> , 2003, 20, 677-693.	1.9	98
51	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. <i>National Science Review</i> , 2016, 3, nww081.	4.6	96
52	Carbon cycle uncertainty in the Alaskan Arctic. <i>Biogeosciences</i> , 2014, 11, 4271-4288.	1.3	92
53	Assessing the recent impact of COVID-19 on carbon emissions from China using domestic economic data. <i>Science of the Total Environment</i> , 2021, 750, 141688.	3.9	92
54	A Land—Atmosphere Interaction Theory for the Tropical Deforestation Problem. <i>Journal of Climate</i> , 1999, 12, 857-872.	1.2	90

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55	Evaluation of Land Surface Models in Reproducing Satellite-Derived LAI over the High-Latitude Northern Hemisphere. Part I: Uncoupled DGVMs. <i>Remote Sensing</i> , 2013, 5, 4819-4838.	1.8	82
56	Expansion of the world's deserts due to vegetation-albedo feedback under global warming. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	81
57	Carbon sequestration via wood burial. <i>Carbon Balance and Management</i> , 2008, 3, 1.	1.4	80
58	Maintenance of Tropical Intraseasonal Variability: Impact of Evaporation-Wind Feedback and Midlatitude Storms. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 2793-2823.	0.6	72
59	Evaluation and environmental correction of ambient CO ₂ measurements from a low-cost NDIR sensor. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2383-2395.	1.2	72
60	Improved Inversion of Monthly Ammonia Emissions in China Based on the Chinese Ammonia Monitoring Network and Ensemble Kalman Filter. <i>Environmental Science & Technology</i> , 2019, 53, 12529-12538.	4.6	72
61	Regional contribution to variability and trends of global gross primary productivity. <i>Environmental Research Letters</i> , 2017, 12, 105005.	2.2	65
62	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. <i>Scientific Reports</i> , 2014, 4, 7211.	1.6	64
63	Impact of the 2015/2016 El Niño on the terrestrial carbon cycle constrained by bottom-up and top-down approaches. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170304.	1.8	63
64	Seasonally Modulated Tropical Drought Induced by Volcanic Aerosol. <i>Journal of Climate</i> , 2011, 24, 2045-2060.	1.2	62
65	Tropical influence on Euro-Asian autumn rainfall variability. <i>Climate Dynamics</i> , 2005, 24, 511-521.	1.7	61
66	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , 2018, 13, 020202.	2.2	61
67	Influence of temporal variability of rainfall on interception loss. Part I. Point analysis. <i>Journal of Hydrology</i> , 2000, 228, 228-241.	2.3	60
68	The role of spatial scale and background climate in the latitudinal temperature response to deforestation. <i>Earth System Dynamics</i> , 2016, 7, 167-181.	2.7	60
69	The dry season intensity as a key driver of NPP trends. <i>Geophysical Research Letters</i> , 2016, 43, 2632-2639.	1.5	60
70	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO ₂ fertilization. <i>Nature Geoscience</i> , 2019, 12, 809-814.	5.4	58
71	Real-time navigation for laparoscopic hepatectomy using image fusion of preoperative 3D surgical plan and intraoperative indocyanine green fluorescence imaging. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 3449-3459.	1.3	58
72	Long-term characterization of aerosol chemistry in cold season from 2013 to 2020 in Beijing, China. <i>Environmental Pollution</i> , 2021, 268, 115952.	3.7	56

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73	Global and Regional Variability and Change in Terrestrial Ecosystems Net Primary Production and NDVI: A Model-Data Comparison. <i>Remote Sensing</i> , 2016, 8, 177.	1.8	55
74	Sensitivity of Tropical Land Climate to Leaf Area Index: Role of Surface Conductance versus Albedo*. <i>Journal of Climate</i> , 2004, 17, 1459-1473.	1.2	53
75	Deep Learning for Air Quality Forecasts: a Review. <i>Current Pollution Reports</i> , 2020, 6, 399-409.	3.1	53
76	Transition in air pollution, disease burden and health cost in China: A comparative study of long-term and short-term exposure. <i>Environmental Pollution</i> , 2021, 277, 116770.	3.7	52
77	Variability of Basin-Scale Terrestrial Water Storage from a PER Water Budget Method: The Amazon and the Mississippi. <i>Journal of Climate</i> , 2008, 21, 248-265.	1.2	50
78	The CLIVAR C20C project: skill of simulating Indian monsoon rainfall on interannual to decadal timescales. Does GHG forcing play a role?. <i>Climate Dynamics</i> , 2009, 33, 615-627.	1.7	50
79	A further assessment of vegetation feedback on decadal Sahel rainfall variability. <i>Climate Dynamics</i> , 2013, 40, 1453-1466.	1.7	50
80	Terrestrial and marine perspectives on modeling organic matter degradation pathways. <i>Global Change Biology</i> , 2016, 22, 121-136.	4.2	50
81	Probabilistic Automatic Outlier Detection for Surface Air Quality Measurements from the China National Environmental Monitoring Network. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 1522-1532.	1.9	50
82	Response of the terrestrial carbon cycle to the El Niño-Southern Oscillation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 537.	0.8	49
83	Will Amazonia Dry Out? Magnitude and Causes of Change from IPCC Climate Model Projections. <i>Earth Interactions</i> , 2012, 16, 1-27.	0.7	49
84	African tropical rainforest net carbon dioxide fluxes in the twentieth century. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120376.	1.8	49
85	Interannual variability of the atmospheric CO ₂ growth rate: roles of precipitation and temperature. <i>Biogeosciences</i> , 2016, 13, 2339-2352.	1.3	49
86	Toward an optimal integration of terrestrial biosphere models. <i>Geophysical Research Letters</i> , 2015, 42, 4418-4428.	1.5	48
87	Benchmarking the seasonal cycle of CO ₂ fluxes simulated by terrestrial ecosystem models. <i>Global Biogeochemical Cycles</i> , 2015, 29, 46-64.	1.9	48
88	Outcomes of Hepatectomy for Hepatolithiasis Based on 3-Dimensional Reconstruction Technique. <i>Journal of the American College of Surgeons</i> , 2013, 217, 280-288.	0.2	47
89	Source tagging modeling study of heavy haze episodes under complex regional transport processes over Wuhan megacity, Central China. <i>Environmental Pollution</i> , 2017, 231, 612-621.	3.7	45
90	Novel small molecular dye-loaded lipid nanoparticles with efficient near-infrared-II absorption for photoacoustic imaging and photothermal therapy of hepatocellular carcinoma. <i>Biomaterials Science</i> , 2019, 7, 3165-3177.	2.6	44

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91	Nonlinear Dynamics in a Coupled Vegetation–Atmosphere System and Implications for Desert–Forest Gradient. <i>Journal of Climate</i> , 2002, 15, 3474-3487.	1.2	43
92	Photosynthetic productivity and its efficiencies in ISIMIP2a biome models: benchmarking for impact assessment studies. <i>Environmental Research Letters</i> , 2017, 12, 085001.	2.2	41
93	Increased light-use efficiency in northern terrestrial ecosystems indicated by CO ₂ and greening observations. <i>Geophysical Research Letters</i> , 2016, 43, 11,339.	1.5	40
94	Negative extreme events in gross primary productivity and their drivers in China during the past three decades. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 47-58.	1.9	40
95	The terrestrial carbon budget of South and Southeast Asia. <i>Environmental Research Letters</i> , 2016, 11, 105006.	2.2	39
96	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). <i>Climate Dynamics</i> , 2016, 47, 3517-3545.	1.7	39
97	The paleoclimatic footprint in the soil carbon stock of the Tibetan permafrost region. <i>Nature Communications</i> , 2019, 10, 4195.	5.8	39
98	Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. <i>Global Biogeochemical Cycles</i> , 2019, 33, 668-689.	1.9	38
99	Calibrations of Low-Cost Air Pollution Monitoring Sensors for CO, NO ₂ , O ₃ , and SO ₂ . <i>Sensors</i> , 2021, 21, 256.	2.1	38
100	Evaluating China's fossil-fuel CO ₂ emissions from a comprehensive dataset of nine inventories. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11371-11385.	1.9	36
101	Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901–2005. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1372-1393.	1.3	35
102	Illuminating necrosis: From mechanistic exploration to preclinical application using fluorescence molecular imaging with indocyanine green. <i>Scientific Reports</i> , 2016, 6, 21013.	1.6	34
103	Application of liver three-dimensional printing in hepatectomy for complex massive hepatocarcinoma with rare variations of portal vein: preliminary experience. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 18873-8.	1.3	34
104	Decadal trends in the seasonal-cycle amplitude of terrestrial CO ₂ exchange resulting from the ensemble of terrestrial biosphere models. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 28968.	0.8	31
105	Contrasting terrestrial carbon cycle responses to the 1997/98 and 2015/16 extreme El Niño events. <i>Earth System Dynamics</i> , 2018, 9, 1-14.	2.7	31
106	Investigating the Transport Mechanism of PM _{2.5} Pollution during January 2014 in Wuhan, Central China. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 1217-1234.	1.9	31
107	The Chinese Carbon-Neutral Goal: Challenges and Prospects. <i>Advances in Atmospheric Sciences</i> , 2022, 39, 1229-1238.	1.9	31
108	Benchmarking carbon fluxes of the ISIMIP2a biome models. <i>Environmental Research Letters</i> , 2017, 12, 045002.	2.2	30

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109	Investigating sources of variability and error in simulations of carbon dioxide in an urban region. <i>Atmospheric Environment</i> , 2019, 199, 55-69.	1.9	28
110	Continued increase in atmospheric CO ₂ ; seasonal amplitude in the 21st century projected by the CMIP5 Earth system models. <i>Earth System Dynamics</i> , 2014, 5, 423-439.	2.7	26
111	Role of CO ₂ , climate and land use in regulating the seasonal amplitude increase of carbon fluxes in terrestrial ecosystems: a multimodel analysis. <i>Biogeosciences</i> , 2016, 13, 5121-5137.	1.3	26
112	Multicriteria evaluation of discharge simulation in Dynamic Global Vegetation Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7488-7505.	1.2	25
113	Carbon sequestration via wood harvest and storage: An assessment of its harvest potential. <i>Climatic Change</i> , 2013, 118, 245-257.	1.7	24
114	The carbon cycle in Mexico: past, present and future of C stocks and fluxes. <i>Biogeosciences</i> , 2016, 13, 223-238.	1.3	24
115	Individualized preoperative planning using three-dimensional modeling for Bismuth and Corlette type III hilar cholangiocarcinoma. <i>World Journal of Surgical Oncology</i> , 2016, 14, 44.	0.8	23
116	Quasi-100 ky glacial-interglacial cycles triggered by subglacial burial carbon release. <i>Climate of the Past</i> , 2007, 3, 135-153.	1.3	22
117	A city-level comparison of fossil-fuel and industry processes-induced CO ₂ emissions over the Beijing-Tianjin-Hebei region from eight emission inventories. <i>Carbon Balance and Management</i> , 2020, 15, 25.	1.4	22
118	Field Evaluation of Low-Cost Particulate Matter Sensors in Beijing. <i>Sensors</i> , 2020, 20, 4381.	2.1	21
119	Observed decreases in on-road CO ₂ concentrations in Beijing during COVID-19 restrictions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4599-4614.	1.9	21
120	A comparative study of anthropogenic CH ₄ emissions over China based on the ensembles of bottom-up inventories. <i>Earth System Science Data</i> , 2021, 13, 1073-1088.	3.7	20
121	Province-level fossil fuel CO ₂ emission estimates for China based on seven inventories. <i>Journal of Cleaner Production</i> , 2020, 277, 123377.	4.6	19
122	Augmented Reality Navigation for Stereoscopic Laparoscopic Anatomical Hepatectomy of Primary Liver Cancer: Preliminary Experience. <i>Frontiers in Oncology</i> , 2021, 11, 663236.	1.3	18
123	Modulation of Land Photosynthesis by the Indian Ocean Dipole: Satellite-Based Observations and CMIP6 Future Projections. <i>Earth's Future</i> , 2021, 9, e2020EF001942.	2.4	18
124	Contrasting interannual atmospheric CO ₂ variabilities and their terrestrial mechanisms for two types of El Niño. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10333-10345.	1.9	17
125	Air stagnation in China: Spatiotemporal variability and differing impact on PM _{2.5} and O ₃ during 2013-2018. <i>Science of the Total Environment</i> , 2022, 819, 152778.	3.9	17
126	Interaction of Vegetation and Atmospheric Dynamical Mechanisms in the Mid-Holocene African Monsoon*. <i>Journal of Climate</i> , 2006, 19, 4105-4120.	1.2	16

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127	To what extent can interannual CO ₂ variability constrain carbon cycle sensitivity to climate change in CMIP5 Earth System Models?. <i>Geophysical Research Letters</i> , 2014, 41, 3535-3544.	1.5	16
128	Impacts of land use change and elevated CO ₂ on the interannual variations and seasonal cycles of gross primary productivity in China. <i>Earth System Dynamics</i> , 2020, 11, 235-249.	2.7	16
129	Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020, 26, 1474-1484.	4.2	15
130	Comparing a global high-resolution downscaled fossil fuel CO ₂ emission dataset to local inventory-based estimates over 14 global cities. <i>Carbon Balance and Management</i> , 2020, 15, 9.	1.4	15
131	Response to Comments on "Recent global decline of CO ₂ fertilization effects on vegetation photosynthesis". <i>Science</i> , 2021, 373, eabg7484.	6.0	15
132	Climate variability in a simple model of warm climate land-atmosphere interaction. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	14
133	Strengthening of the hydrological cycle in future scenarios: atmospheric energy and water balance perspective. <i>Earth System Dynamics</i> , 2012, 3, 199-212.	2.7	14
134	Estimating surface carbon fluxes based on a local ensemble transform Kalman filter with a short assimilation window and a long observation window: an observing system simulation experiment test in GEOS-Chem 10.1. <i>Geoscientific Model Development</i> , 2019, 12, 2899-2914.	1.3	14
135	Causes of slowing down seasonal CO ₂ amplitude at Mauna Loa. <i>Global Change Biology</i> , 2020, 26, 4462-4477.	4.2	14
136	Spatio-temporal Hourly and Daily Ozone Forecasting in China Using a Hybrid Machine Learning Model: Autoencoder and Generative Adversarial Networks. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	14
137	Characteristics of the source apportionment of primary and secondary inorganic PM _{2.5} in the Pearl River Delta region during 2015 by numerical modeling. <i>Environmental Pollution</i> , 2020, 267, 115418.	3.7	13
138	Importance of Microvascular Invasion Risk and Tumor Size on Recurrence and Survival of Hepatocellular Carcinoma After Anatomical Resection and Non-anatomical Resection. <i>Frontiers in Oncology</i> , 2021, 11, 621622.	1.3	13
139	Understanding Climate Sensitivity to Tropical Deforestation in a Mechanistic Model. <i>Journal of Climate</i> , 1998, 11, 1969-1975.	1.2	12
140	Sustainable prosperity and societal transitions: Long-term modeling for anticipatory management. <i>Environmental Innovation and Societal Transitions</i> , 2011, 1, 160-165.	2.5	12
141	Impact of three-dimensional visualization technology on surgical strategies in complex hepatic cancer. <i>BioScience Trends</i> , 2018, 12, 476-483.	1.1	11
142	Fluxes of Atmospheric Greenhouse Gases in Maryland (FLAGG-MD): Emissions of Carbon Dioxide in the Baltimore, MD-Washington, D.C. Area. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032004.	1.2	11
143	Divergent historical GPP trends among state-of-the-art multi-model simulations and satellite-based products. <i>Earth System Dynamics</i> , 2022, 13, 833-849.	2.7	11
144	Dynamical prediction of terrestrial ecosystems and the global carbon cycle: A 25-year hindcast experiment. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	10

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145	Verification of satellite ozone/temperature profile products and ozone effective height/temperature over Kunming, China. <i>Science of the Total Environment</i> , 2019, 661, 35-47.	3.9	10
146	Observation and modeling of vertical carbon dioxide distribution in a heavily polluted suburban environment. <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 371-379.	0.5	10
147	Synergistic effect of reductions in multiple gaseous precursors on secondary inorganic aerosols in winter under a meteorology-based redistributed daily NH ₃ emission inventory within the Beijing-Tianjin-Hebei region, China. <i>Science of the Total Environment</i> , 2022, 821, 153383.	3.9	10
148	Global to local impacts on atmospheric CO ₂ from the COVID-19 lockdown, biosphere and weather variabilities. <i>Environmental Research Letters</i> , 2022, 17, 015003.	2.2	10
149	Improved simulation of regional CO ₂ surface concentrations using GEOS-Chem and fluxes from VEGAS. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7607-7618.	1.9	9
150	How well do terrestrial biosphere models simulate coarse-scale runoff in the contiguous United States?. <i>Ecological Modelling</i> , 2015, 303, 87-96.	1.2	9
151	Spaceborne detection of XCO ₂ enhancement induced by Australian mega-bushfires. <i>Environmental Research Letters</i> , 2020, 15, 124069.	2.2	9
152	Covariability of Central America/Mexico winter precipitation and tropical sea surface temperatures. <i>Climate Dynamics</i> , 2018, 50, 4335-4346.	1.7	8
153	The Greening and Wetting of the Sahel Have Levelled off since about 1999 in Relation to SST. <i>Remote Sensing</i> , 2020, 12, 2723.	1.8	8
154	Nonlinear response of SIA to emission changes and chemical processes over eastern and central China during a heavy haze month. <i>Science of the Total Environment</i> , 2021, 788, 147747.	3.9	8
155	Voids in a neutrino-dominated universe. <i>Astrophysical Journal</i> , 1991, 374, 1.	1.6	8
156	Arctic warming-induced cold damage to East Asian terrestrial ecosystems. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	8
157	Past, present and future of the carbon cycle. <i>National Science Review</i> , 2014, 1, 18-21.	4.6	7
158	Enhanced regional terrestrial carbon uptake over Korea revealed by atmospheric CO ₂ measurements from 1999 to 2017. <i>Global Change Biology</i> , 2020, 26, 3368-3383.	4.2	7
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