

Ning Zeng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

16,666
citations

58
h-index

128
g-index

227
ext. papers

19,483
ext. citations

7.4
avg, IF

6.25
L-index

#	Paper	IF	Citations
190	ClimateCarbon Cycle Feedback Analysis: Results from the C4MIP Model Intercomparison. <i>Journal of Climate</i> , 2006 , 19, 3337-3353	4.4	2302
189	Greening of the Earth and its drivers. <i>Nature Climate Change</i> , 2016 , 6, 791-795	21.4	1036
188	Reduced carbon emission estimates from fossil fuel combustion and cement production in China. <i>Nature</i> , 2015 , 524, 335-8	50.4	804
187	Carbon cycle. The dominant role of semi-arid ecosystems in the trend and variability of the land CO ₂ sink. <i>Science</i> , 2015 , 348, 895-9	33.3	684
186	Global Carbon Budget 2015. <i>Earth System Science Data</i> , 2015 , 7, 349-396	10.5	513
185	Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO ₂ trends. <i>Global Change Biology</i> , 2013 , 19, 2117-32	11.4	481
184	Enhancement of Interdecadal Climate Variability in the Sahel by Vegetation Interaction. <i>Science</i> , 1999 , 286, 1537-1540	33.3	450
183	The global carbon budget 1959-2011. <i>Earth System Science Data</i> , 2013 , 5, 165-185	10.5	436
182	Recent trends and drivers of regional sources and sinks of carbon dioxide. <i>Biogeosciences</i> , 2015 , 12, 653-679	4.79	432
181	Detection and attribution of vegetation greening trend in China over the last 30 years. <i>Global Change Biology</i> , 2015 , 21, 1601-9	11.4	373
180	Global carbon budget 2014. <i>Earth System Science Data</i> , 2015 , 7, 47-85	10.5	367
179	Compensatory water effects link yearly global land CO ₂ sink changes to temperature. <i>Nature</i> , 2017 , 541, 516-520	50.4	341
178	The Hydrological Cycle in the Mediterranean Region and Implications for the Water Budget of the Mediterranean Sea. <i>Journal of Climate</i> , 2002 , 15, 1674-1690	4.4	282
177	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. <i>Nature Communications</i> , 2014 , 5, 5018	17.4	274
176	A Quasi-Equilibrium Tropical Circulation Model Formulation*. <i>Journals of the Atmospheric Sciences</i> , 2000 , 57, 1741-1766	2.1	267
175	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. <i>Journal of Climate</i> , 2009 , 22, 5251-5272	4.4	260
174	Causes and impacts of the 2005 Amazon drought. <i>Environmental Research Letters</i> , 2008 , 3, 014002	6.2	242

173	Terrestrial mechanisms of interannual CO2 variability. <i>Global Biogeochemical Cycles</i> , 2005 , 19,	5.9	215
172	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	4.6	210
171	Estimating adult mortality attributable to PM2.5 exposure in China with assimilated PM2.5 concentrations based on a ground monitoring network. <i>Science of the Total Environment</i> , 2016 , 568, 1253-1262	10.3	204
170	An Atlantic influence on Amazon rainfall. <i>Climate Dynamics</i> , 2010 , 34, 249-264	4.2	183
169	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. <i>Ecological Modelling</i> , 2012 , 232, 144-157	3	180
168	Mediterranean water cycle changes: transition to drier 21st century conditions in observations and CMIP3 simulations. <i>Environmental Research Letters</i> , 2008 , 3, 044001	6.2	173
167	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. <i>Journal of Climate</i> , 2013 , 26, 5782-5809	4.4	165
166	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	6.3	164
165	Euro-Mediterranean rainfall and ENSO seasonally varying relationship. <i>Geophysical Research Letters</i> , 2002 , 29, 59-1	4.9	162
164	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	5.9	159
163	Atmospheric science. Drought in the Sahel. <i>Science</i> , 2003 , 302, 999-1000	33.3	148
162	Rapid formation and evolution of an extreme haze episode in Northern China during winter 2015. <i>Scientific Reports</i> , 2016 , 6, 27151	4.9	131
161	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	3.9	127
160	Long-term climate change in the Mediterranean region in the midst of decadal variability. <i>Climate Dynamics</i> , 2015 , 44, 1437-1456	4.2	126
159	The Role of Vegetation-Climate Interaction and Interannual Variability in Shaping the African Savanna. <i>Journal of Climate</i> , 2000 , 13, 2665-2670	4.4	124
158	The global carbon budget 1959-2011 2012 ,		122
157	Agricultural Green Revolution as a driver of increasing atmospheric CO2 seasonal amplitude. <i>Nature</i> , 2014 , 515, 394-7	50.4	121
156	Global carbon budget 2014		121

155	A Quasi-Equilibrium Tropical Circulation Model Implementation and Simulation*. <i>Journals of the Atmospheric Sciences</i> , 2000 , 57, 1767-1796	2.1	118
154	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	11.4	115
153	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	5.9	112
152	Uncertainty in the response of terrestrial carbon sink to environmental drivers undermines carbon-climate feedback predictions. <i>Scientific Reports</i> , 2017 , 7, 4765	4.9	108
151	Seasonal cycle and interannual variability in the Amazon hydrologic cycle. <i>Journal of Geophysical Research</i> , 1999 , 104, 9097-9106		108
150	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	9.3	107
149	Recent global decline of CO fertilization effects on vegetation photosynthesis. <i>Science</i> , 2020 , 370, 1295-1300	33.9	107
148	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	4.2	101
147	Sustainable development. Climate change--the Chinese challenge. <i>Science</i> , 2008 , 319, 730-1	33.3	99
146	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. <i>Environmental Research Letters</i> , 2015 , 10, 094008	6.2	93
145	The CLIVAR C20C project: selected twentieth century climate events. <i>Climate Dynamics</i> , 2009 , 33, 603-614	4.2	93
144	How strong is carbon cycle-climate feedback under global warming?. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	93
143	Climatic Impact of Amazon Deforestation: A Mechanistic Model Study. <i>Journal of Climate</i> , 1996 , 9, 859-887	4.4	90
142	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	4.9	88
141	Glacial-interglacial atmospheric CO2 change: The glacial burial hypothesis. <i>Advances in Atmospheric Sciences</i> , 2003 , 20, 677-693	2.9	88
140	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. <i>Biogeosciences</i> , 2012 , 9, 3571-3586	4.6	83
139	A Land-Atmosphere Interaction Theory for the Tropical Deforestation Problem. <i>Journal of Climate</i> , 1999 , 12, 857-872	4.4	78
138	Carbon cycle uncertainty in the Alaskan Arctic. <i>Biogeosciences</i> , 2014 , 11, 4271-4288	4.6	69

137	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	5	69
136	Maintenance of Tropical Intraseasonal Variability: Impact of Evaporation-Wind Feedback and Midlatitude Storms. <i>Journals of the Atmospheric Sciences</i> , 2000 , 57, 2793-2823	2.1	65
135	Expansion of the world's deserts due to vegetation-albedo feedback under global warming. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	61
134	Climate model shows large-scale wind and solar farms in the Sahara increase rain and vegetation. <i>Science</i> , 2018 , 361, 1019-1022	33.3	61
133	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. <i>National Science Review</i> , 2016 , 3, 470-494	10.8	59
132	Carbon sequestration via wood burial. <i>Carbon Balance and Management</i> , 2008 , 3, 1	3.6	56
131	Tropical influence on Euro-Asian autumn rainfall variability. <i>Climate Dynamics</i> , 2005 , 24, 511-521	4.2	55
130	Influence of temporal variability of rainfall on interception loss. Part I. Point analysis. <i>Journal of Hydrology</i> , 2000 , 228, 228-241	6	55
129	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. <i>Scientific Reports</i> , 2014 , 4, 7211	4.9	50
128	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	10.2	49
127	Seasonally Modulated Tropical Drought Induced by Volcanic Aerosol. <i>Journal of Climate</i> , 2011 , 24, 2045-2060	4.4	48
126	Sensitivity of Tropical Land Climate to Leaf Area Index: Role of Surface Conductance versus Albedo*. <i>Journal of Climate</i> , 2004 , 17, 1459-1473	4.4	48
125	Evaluation and environmental correction of ambient CO measurements from a low-cost NDIR sensor. <i>Atmospheric Measurement Techniques</i> , 2017 , 10,	4	46
124	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	4.2	44
123	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	4.4	44
122	Trends and drivers of regional sources and sinks of carbon dioxide over the past two decades		44
121	Will Amazonia Dry Out? Magnitude and Causes of Change from IPCC Climate Model Projections. <i>Earth Interactions</i> , 2012 , 16, 1-27	1.5	43
120	Benchmarking the seasonal cycle of CO ₂ fluxes simulated by terrestrial ecosystem models. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 46-64	5.9	42

119	A further assessment of vegetation feedback on decadal Sahel rainfall variability. <i>Climate Dynamics</i> , 2013 , 40, 1453-1466	4.2	42
118	Toward Optimal Integration of terrestrial biosphere models. <i>Geophysical Research Letters</i> , 2015 , 42, 4418-4428	4.9	42
117	The dry season intensity as a key driver of NPP trends. <i>Geophysical Research Letters</i> , 2016 , 43, 2632-2639	4.9	42
116	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,	5.8	41
115	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	5	40
114	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , 2018 , 13, 020202	6.2	39
113	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	5.8	39
112	Response of the terrestrial carbon cycle to the El Niño-Southern Oscillation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60, 537-550	3.3	38
111	Regional contribution to variability and trends of global gross primary productivity. <i>Environmental Research Letters</i> , 2017 , 12, 105005	6.2	37
110	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	10.3	37
109	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	9.3	37
108	The role of spatial scale and background climate in the latitudinal temperature response to deforestation. <i>Earth System Dynamics</i> , 2016 , 7, 167-181	4.8	37
107	Photosynthetic productivity and its efficiencies in ISIMIP2a biome models: benchmarking for impact assessment studies. <i>Environmental Research Letters</i> , 2017 , 12, 085001	6.2	36
106	Nonlinear Dynamics in a Coupled Vegetation-Atmosphere System and Implications for Desert-forest Gradient. <i>Journal of Climate</i> , 2002 , 15, 3474-3487	4.4	36
105	Outcomes of hepatectomy for hepatolithiasis based on 3-dimensional reconstruction technique. <i>Journal of the American College of Surgeons</i> , 2013 , 217, 280-8	4.4	35
104	Interannual variability of the atmospheric CO ₂ growth rate: roles of precipitation and temperature. <i>Biogeosciences</i> , 2016 , 13, 2339-2352	4.6	35
103	Terrestrial and marine perspectives on modeling organic matter degradation pathways. <i>Global Change Biology</i> , 2016 , 22, 121-36	11.4	34
102	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO ₂ fertilization. <i>Nature Geoscience</i> , 2019 , 12, 809-814	18.3	33

101	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		32
100	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	4.2	29
99	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	7.4	26
98	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	5.2	26
97	The terrestrial carbon budget of South and Southeast Asia. <i>Environmental Research Letters</i> , 2016 , 11, 105006	6.2	26
96	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	2.9	26
95	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	4.8	25
94	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> , 2016 , 68, 28968	3.3	24
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	4.9	23
92	Benchmarking carbon fluxes of the ISIMIP2a biome models. <i>Environmental Research Letters</i> , 2017 , 12, 045002	6.2	23
91	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	3.7	23
90	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	5.9	21
89	Illuminating necrosis: From mechanistic exploration to preclinical application using fluorescence molecular imaging with indocyanine green. <i>Scientific Reports</i> , 2016 , 6, 21013	4.9	21
88	The carbon cycle in Mexico: past, present and future of C stocks and fluxes. <i>Biogeosciences</i> , 2016 , 13, 223-238	4.6	21
87	Multicriteria evaluation of discharge simulation in Dynamic Global Vegetation Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7488-7505	4.4	20
86	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	4.6	19
85	Quasi-100 ky glacial-interglacial cycles triggered by subglacial burial carbon release. <i>Climate of the Past</i> , 2007 , 3, 135-153	3.9	18
84	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	4.8	18

83	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	5.8	17
82	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	3.4	17
81	Investigating the Transport Mechanism of PM2.5 Pollution during January 2014 in Wuhan, Central China. <i>Advances in Atmospheric Sciences</i> , 2019 , 36, 1217-1234	2.9	17
80	Investigating sources of variability and error in simulations of carbon dioxide in an urban region. <i>Atmospheric Environment</i> , 2019 , 199, 55-69	5.3	17
79	The paleoclimatic footprint in the soil carbon stock of the Tibetan permafrost region. <i>Nature Communications</i> , 2019 , 10, 4195	17.4	16
78	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	9.3	16
77	Interaction of Vegetation and Atmospheric Dynamical Mechanisms in the Mid-Holocene African Monsoon*. <i>Journal of Climate</i> , 2006 , 19, 4105-4120	4.4	15
76	Long-term characterization of aerosol chemistry in cold season from 2013 to 2020 in Beijing, China. <i>Environmental Pollution</i> , 2021 , 268, 115952	9.3	15
75	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	4.9	14
74	Strengthening of the hydrological cycle in future scenarios: atmospheric energy and water balance perspective. <i>Earth System Dynamics</i> , 2012 , 3, 199-212	4.8	14
73	Carbon sequestration via wood harvest and storage: An assessment of its harvest potential. <i>Climatic Change</i> , 2013 , 118, 245-257	4.5	13
72	Climate variability in a simple model of warm climate land-atmosphere interaction. <i>Journal of Geophysical Research</i> , 2006 , 111,		13
71	Deep Learning for Air Quality Forecasts: a Review. <i>Current Pollution Reports</i> , 2020 , 6, 399-409	7.6	12
70	Calibrations of Low-Cost Air Pollution Monitoring Sensors for CO, NO, O, and SO. <i>Sensors</i> , 2021 , 21,	3.8	12
69	Sustainable prosperity and societal transitions: Long-term modeling for anticipatory management. <i>Environmental Innovation and Societal Transitions</i> , 2011 , 1, 160-165	7.6	11
68	Contrasting interannual atmospheric CO ₂ variabilities and their terrestrial mechanisms for two types of El Niños. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10333-10345	6.8	11
67	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	6.8	10
66	Historical and idealized climate model experiments: an EMIC intercomparison		10

65	The North American Carbon Program Multi-scale synthesis and Terrestrial Model Intercomparison Project [Part 1: Overview and experimental design		10
64	Characteristics of the source apportionment of primary and secondary inorganic PM in the Pearl River Delta region during 2015 by numerical modeling. <i>Environmental Pollution</i> , 2020 , 267, 115418	9.3	9
63	Causes of slowing-down seasonal CO amplitude at Mauna Loa. <i>Global Change Biology</i> , 2020 , 26, 4462-4477	7.4	9
62	Province-level fossil fuel CO ₂ emission estimates for China based on seven inventories. <i>Journal of Cleaner Production</i> , 2020 , 277, 123377	10.3	9
61	Modulation of Land Photosynthesis by the Indian Ocean Dipole: Satellite-Based Observations and CMIP6 Future Projections. <i>Earth's Future</i> , 2021 , 9, e2020EF001942	7.9	9
60	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	4.8	8
59	Long-Term Outcomes of Hepatectomy for Bilateral Hepatolithiasis with Three-Dimensional Reconstruction: A Propensity Score Matching Analysis. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2016 , 26, 680-8	2.1	8
58	Dynamical prediction of terrestrial ecosystems and the global carbon cycle: A 25-year hindcast experiment. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	8
57	Understanding Climate Sensitivity to Tropical Deforestation in a Mechanistic Model. <i>Journal of Climate</i> , 1998 , 11, 1969-1975	4.4	8
56	The carbon budget of terrestrial ecosystems in East Asia over the last two decades		8
55	Field Evaluation of Low-Cost Particulate Matter Sensors in Beijing. <i>Sensors</i> , 2020 , 20,	3.8	8
54	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	6.8	7
53	Voids in a neutrino-dominated universe. <i>Astrophysical Journal</i> , 1991 , 374, 1	4.7	7
52	A city-level comparison of fossil-fuel and industry processes-induced CO emissions over the Beijing-Tianjin-Hebei region from eight emission inventories. <i>Carbon Balance and Management</i> , 2020 , 15, 25	3.6	7
51	Augmented Reality Navigation for Stereoscopic Laparoscopic Anatomical Hepatectomy of Primary Liver Cancer: Preliminary Experience. <i>Frontiers in Oncology</i> , 2021 , 11, 663236	5.3	7
50	Comparing a global high-resolution downscaled fossil fuel CO emission dataset to local inventory-based estimates over 14 global cities. <i>Carbon Balance and Management</i> , 2020 , 15, 9	3.6	6
49	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	6.3	6
48	Past, present and future of the carbon cycle. <i>National Science Review</i> , 2014 , 1, 18-21	10.8	6

47	Observed decreases in on-road CO ₂ concentrations in Beijing during COVID-19 restrictions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 4599-4614	6.8	6
46	Earth System Model FGOALS-s2: Coupling a dynamic global vegetation and terrestrial carbon model with the physical climate system model. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 1549-1559	2.9	5
45	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	1.4	5
44	Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020 , 26, 1474-1484	11.4	5
43	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	10.2	4
42	How well do terrestrial biosphere models simulate coarse-scale runoff in the contiguous United States?. <i>Ecological Modelling</i> , 2015 , 303, 87-96	3	4
41	The Chinese Carbon-Neutral Goal: Challenges and Prospects.. <i>Advances in Atmospheric Sciences</i> , 2022 , 1-10	2.9	4
40	Spaceborne detection of XCO ₂ enhancement induced by Australian mega-bushfires. <i>Environmental Research Letters</i> , 2020 , 15, 124069	6.2	4
39	Enhanced regional terrestrial carbon uptake over Korea revealed by atmospheric CO measurements from 1999 to 2017. <i>Global Change Biology</i> , 2020 , 26, 3368-3383	11.4	3
38	Covariability of Central America/Mexico winter precipitation and tropical sea surface temperatures. <i>Climate Dynamics</i> , 2018 , 50, 4335-4346	4.2	3
37	Estimating global cropland production from 1961 to 2010. <i>Earth System Dynamics</i> , 2017 , 8, 875-887	4.8	3
36	Climatic and ecological future of the Amazon: likelihood and causes of change		3
35	The Greening and Wetting of the Sahel Have Levelled off since about 1999 in Relation to SST. <i>Remote Sensing</i> , 2020 , 12, 2723	5	3
34	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	10.5	3
33	Impact of three-dimensional visualization technology on surgical strategies in complex hepatic cancer. <i>BioScience Trends</i> , 2018 , 12, 476-483	9.9	3
32	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	10.2	3
31	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	4.4	2
30	Climate and Variability in the First Quasi-Equilibrium Tropical Circulation Model. <i>International Geophysics</i> , 2000 , 70, 457-488		2

29	A model-data intercomparison of simulated runoff in the contiguous United States: results from the North America Carbon Regional and Continental Interim-Synthesis		2
28	Carbon cycle uncertainty in the Alaskan Arctic		2
27	Interannual variability of the atmospheric CO ₂ growth rate: relative contribution from precipitation and temperature		2
26	The role of spatial scale and background climate in the latitudinal temperature response to deforestation		2
25	Considerable Uncertainties in Simulating Land Carbon Sinks Induced by Different Precipitation Products. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG006524	3.7	2
24	Global to local impacts on atmospheric CO ₂ caused by COVID-19 lockdown		2
23	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	5.3	2
22	Response to Comments on "Recent global decline of CO ₂ fertilization effects on vegetation photosynthesis". <i>Science</i> , 2021 , 373, eabg7484	33.3	2
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