

Ning Zeng

List of Publications by Year in Descending Order

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Version: 2024-04-29

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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	The Chinese Carbon-Neutral Goal: Challenges and Prospects.. <i>Advances in Atmospheric Sciences</i> , 2022 , 1-10	2.9	4
189	Synergistic effect of reductions in multiple gaseous precursors on secondary inorganic aerosols in winter under a meteorology-based redistributed daily NH emission inventory within the Beijing-Tianjin-Hebei region, China.. <i>Science of the Total Environment</i> , 2022 , 821, 153383	10.2	1
188	Air stagnation in China: Spatiotemporal variability and differing impact on PM and O during 2013-2018.. <i>Science of the Total Environment</i> , 2022 , 819, 152778	10.2	1
187	A meteorologically adjusted ensemble Kalman filter approach for inverting daily emissions: A case study in the Pearl River Delta, China.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 233-248	6.4	
186	Noninvasive assessment of liver function reserve with fluorescent dosimetry of indocyanine green.. <i>Biomedical Optics Express</i> , 2022 , 13, 1995-2005	3.5	0
185	Transport Patterns and Potential Sources of Atmospheric Pollution during the XXIV Olympic Winter Games Period.. <i>Advances in Atmospheric Sciences</i> , 2022 , 1-15	2.9	0
184	Wood Vault: remove atmospheric CO with trees, store wood for carbon sequestration for now and as biomass, bioenergy and carbon reserve for the future.. <i>Carbon Balance and Management</i> , 2022 , 17, 2	3.6	2
183	Ground-Based MAX-DOAS Measurements of Tropospheric Aerosols, NO ₂ , and HCHO Distributions in the Urban Environment of Shanghai, China. <i>Remote Sensing</i> , 2022 , 14, 1726	5	0
182	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	6.2	2
181	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	4.8	0
180	The Impact of Cropland Abandonment of Post-Soviet Countries on the Terrestrial Carbon Cycle Based on Optimizing the Cropland Distribution Map. <i>Biology</i> , 2022 , 11, 620	4.9	
179	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
178	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
177	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
176	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
175	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
174	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

173	Evaluation and Bias Correction of the Secondary Inorganic Aerosol Modeling over North China Plain in Autumn and Winter. <i>Atmosphere</i> , 2021 , 12, 578	2.7	0
172	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
171	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
170	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
169	Variability of North Atlantic CO ₂ fluxes for the 2000-2017 period estimated from atmospheric inverse analyses. <i>Biogeosciences</i> , 2021 , 18, 4549-4570	4.6	0
168	Response to Comments on "Recent global decline of CO fertilization effects on vegetation photosynthesis". <i>Science</i> , 2021 , 373, eabg7484	33.3	2
167	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
166	Calibrations of Low-Cost Air Pollution Monitoring Sensors for CO, NO, O, and SO. <i>Sensors</i> , 2021 , 21,	3.8	12
165	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
164	Recent global decline of CO fertilization effects on vegetation photosynthesis. <i>Science</i> , 2020 , 370, 1295-1300	33.9	107
163	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
162	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
161	Causes of slowing-down seasonal CO amplitude at Mauna Loa. <i>Global Change Biology</i> , 2020 , 26, 4462-4477	11.4	9
160	Preface to Special Topic on Atmospheric Greenhouse Gas Measurement and Application in China. <i>Advances in Atmospheric Sciences</i> , 2020 , 37, 555-556	2.9	1
159	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
158	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
157	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
156	Spaceborne detection of XCO ₂ enhancement induced by Australian mega-bushfires. <i>Environmental Research Letters</i> , 2020 , 15, 124069	6.2	4

155	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
154	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
153	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
152	Deep Learning for Air Quality Forecasts: a Review. <i>Current Pollution Reports</i> , 2020 , 6, 399-409	7.6	12
151	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
150	Field Evaluation of Low-Cost Particulate Matter Sensors in Beijing. <i>Sensors</i> , 2020 , 20,	3.8	8
149	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
148	Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020 , 26, 1474-1484	11.4	5
147	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
146	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
145	The paleoclimatic footprint in the soil carbon stock of the Tibetan permafrost region. <i>Nature Communications</i> , 2019 , 10, 4195	17.4	16
144	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
143	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
142	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
141	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
140	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
139	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	2.9	17
138	Aerosol Optical Radiation Properties in Kunming (the Low Latitude Plateau of China) and Their Relationship to the Monsoon Circulation Index. <i>Remote Sensing</i> , 2019 , 11, 2911	5	0

137	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
136	The Anatomy Features and Variations of the Point Where Right Gastroepiploic Vein Flows into Superior Mesenteric Vein/Portal Vein: Anatomical Study of Catheterization of Portal Vein Infusion Chemotherapy. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2018 , 28, 794-798	2.1	1
135	Missing pieces to modeling the Arctic-Boreal puzzle. <i>Environmental Research Letters</i> , 2018 , 13, 020202	6.2	39
134	Covariability of Central America/Mexico winter precipitation and tropical sea surface temperatures. <i>Climate Dynamics</i> , 2018 , 50, 4335-4346	4.2	3
133	Using model-data fusion to downscale solar-induced fluorescence data into a higher spatiotemporal resolution 2018 ,		1
132	Impact of three-dimensional visualization technology on surgical strategies in complex hepatic cancer. <i>BioScience Trends</i> , 2018 , 12, 476-483	9.9	3
131	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
130	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
129	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
128	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
127	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
126	Compensatory water effects link yearly global land CO sink changes to temperature. <i>Nature</i> , 2017 , 541, 516-520	50.4	341
125	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
124	Regional contribution to variability and trends of global gross primary productivity. <i>Environmental Research Letters</i> , 2017 , 12, 105005	6.2	37
123	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
122	Evaluation and environmental correction of ambient CO measurements from a low-cost NDIR sensor. <i>Atmospheric Measurement Techniques</i> , 2017 , 10,	4	46
121	Estimating Surface Carbon Fluxes Based on a Local Ensemble Transform Kalman Filter with a Short Assimilation Window and a Long Observation Window 2017 ,		1
120	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

119	Benchmarking carbon fluxes of the ISIMIP2a biome models. <i>Environmental Research Letters</i> , 2017 , 12, 045002	6.2	23
118	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
117	Estimating global cropland production from 1961 to 2010. <i>Earth System Dynamics</i> , 2017 , 8, 875-887	4.8	3
116	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
115	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
114	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
113	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
112	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
111	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	10.3	204
110	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
109	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
108	The carbon cycle in Mexico: past, present and future of C stocks and fluxes. <i>Biogeosciences</i> , 2016 , 13, 223-238	4.6	21
107	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
106	Interannual variability of the atmospheric CO ₂ growth rate: roles of precipitation and temperature. <i>Biogeosciences</i> , 2016 , 13, 2339-2352	4.6	35
105	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
104	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
103	The dry season intensity as a key driver of NPP trends. <i>Geophysical Research Letters</i> , 2016 , 43, 2632-2639	4.9	42
102	The terrestrial carbon budget of South and Southeast Asia. <i>Environmental Research Letters</i> , 2016 , 11, 105006	6.2	26

101	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
100	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
99	Terrestrial and marine perspectives on modeling organic matter degradation pathways. <i>Global Change Biology</i> , 2016 , 22, 121-36	11.4	34
98	Greening of the Earth and its drivers. <i>Nature Climate Change</i> , 2016 , 6, 791-795	21.4	1036
97	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
96	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
95	Reduced carbon emission estimates from fossil fuel combustion and cement production in China. <i>Nature</i> , 2015 , 524, 335-8	50.4	804
94	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
93	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
92	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
91	Toward "Optimal" Integration of terrestrial biosphere models. <i>Geophysical Research Letters</i> , 2015 , 42, 4418-4428	4.9	42
90	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. <i>Environmental Research Letters</i> , 2015 , 10, 094008	6.2	93
89	Recent trends and drivers of regional sources and sinks of carbon dioxide. <i>Biogeosciences</i> , 2015 , 12, 653-679	4.79	432
88	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
87	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
86	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
85	Global Carbon Budget 2015. <i>Earth System Science Data</i> , 2015 , 7, 349-396	10.5	513
84	Global carbon budget 2014. <i>Earth System Science Data</i> , 2015 , 7, 47-85	10.5	367

83	Agricultural Green Revolution as a driver of increasing atmospheric CO ₂ seasonal amplitude. <i>Nature</i> , 2014 , 515, 394-7	50.4	121
82	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. <i>Nature Communications</i> , 2014 , 5, 5018	17.4	274
81	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
80	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
79	Robust assessment of the expansion and retreat of Mediterranean climate in the 21st century. <i>Scientific Reports</i> , 2014 , 4, 7211	4.9	50
78	Carbon cycle uncertainty in the Alaskan Arctic. <i>Biogeosciences</i> , 2014 , 11, 4271-4288	4.6	69
77	Past, present and future of the carbon cycle. <i>National Science Review</i> , 2014 , 1, 18-21	10.8	6
76	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
75	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
74	Assimilating the LAI Data to the VEGAS Model Using the Local Ensemble Transform Kalman Filter: An Observing System Simulation Experiment. <i>Atmospheric and Oceanic Science Letters</i> , 2014 , 7, 314-319	1.4	
73	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. <i>Journal of Climate</i> , 2013 , 26, 5782-5809	4.4	165
72	A further assessment of vegetation feedback on decadal Sahel rainfall variability. <i>Climate Dynamics</i> , 2013 , 40, 1453-1466	4.2	42
71	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
70	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
69	Carbon sequestration via wood harvest and storage: An assessment of its harvest potential. <i>Climatic Change</i> , 2013 , 118, 245-257	4.5	13
68	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
67	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
66	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

65	The global carbon budget 1959-2011. <i>Earth System Science Data</i> , 2013 , 5, 165-185	10.5	436
64	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
63	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
62	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
61	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. <i>Ecological Modelling</i> , 2012 , 232, 144-157	3	180
60	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
59	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. <i>Biogeosciences</i> , 2012 , 9, 3571-3586	4.6	83
58	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
57	Strengthening of the hydrological cycle in future scenarios: atmospheric energy and water balance perspective 2012 ,		1
56	The global carbon budget 1959-2011 2012 ,		122
55	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
54	Seasonally Modulated Tropical Drought Induced by Volcanic Aerosol. <i>Journal of Climate</i> , 2011 , 24, 2045-2060	20.6	48
53	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
52	An Atlantic influence on Amazon rainfall. <i>Climate Dynamics</i> , 2010 , 34, 249-264	4.2	183
51	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
50	The CLIVAR C20C project: selected twentieth century climate events. <i>Climate Dynamics</i> , 2009 , 33, 603-614	4.2	93
49	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
48	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

47	Expansion of the world's deserts due to vegetation-albedo feedback under global warming. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	61
46	Causes and impacts of the 2005 Amazon drought. <i>Environmental Research Letters</i> , 2008 , 3, 014002	6.2	242
45	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
44	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
43	Sustainable development. Climate change--the Chinese challenge. <i>Science</i> , 2008 , 319, 730-1	33.3	99
42	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
41	Carbon sequestration via wood burial. <i>Carbon Balance and Management</i> , 2008 , 3, 1	3.6	56
40	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
39	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
38	Climate-Carbon Cycle Feedback Analysis: Results from the C4MIP Model Intercomparison. <i>Journal of Climate</i> , 2006 , 19, 3337-3353	4.4	2302
37	Climate variability in a simple model of warm climate land-atmosphere interaction. <i>Journal of Geophysical Research</i> , 2006 , 111,		13
36	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
35	Terrestrial mechanisms of interannual CO2 variability. <i>Global Biogeochemical Cycles</i> , 2005 , 19,	5.9	215
34	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
33	Tropical influence on Euro-Asian autumn rainfall variability. <i>Climate Dynamics</i> , 2005 , 24, 511-521	4.2	55
32	How strong is carbon cycle-climate feedback under global warming?. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	93
31	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
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11	Carbon cycle uncertainty in the Alaskan Arctic	2
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