

Changhui Peng

List of Publications by Year in descending order

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153
papers

7,178
citations

71102

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all docs

153
docs citations

153
times ranked

9616
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	31
2	Global patterns of particulate organic carbon export from land to the ocean. <i>Ecohydrology</i> , 2022, 15, e2373.	2.4	1
3	Quantification of Ecosystem-Scale Methane Sinks Observed in a Tropical Rainforest in Hainan, China. <i>Land</i> , 2022, 11, 154.	2.9	0
4	The Effect of the Conversion from Natural Broadleaved Forests into Chinese fir (<i>Cunninghamia</i>) on Carbon Sequestration in Forests. <i>Forests</i> , 2022, 13, 158.	2.1	6
5	Estimating natural nitrous oxide emissions from the Qinghai-Tibetan Plateau using a process-based model: Historical spatiotemporal patterns and future trends. <i>Ecological Modelling</i> , 2022, 466, 109902.	2.5	3
6	Contribution of the Order Ericales to Improving Paleoclimate Reconstructions. <i>Sustainability</i> , 2022, 14, 4008.	3.2	0
7	Recent advances in carbon footprint studies of urban ecosystems: overview, application, and future challenges. <i>Environmental Reviews</i> , 2022, 30, 342-356.	4.5	6
8	A Review of General Methods for Quantifying and Estimating Urban Trees and Biomass. <i>Forests</i> , 2022, 13, 616.	2.1	13
9	The Importance of Energy Theory in Shaping Elevational Species Richness Patterns in Plants. <i>Biology</i> , 2022, 11, 819.	2.8	2
10	Contribution of Incorporating the Phosphorus Cycle into TRIPLEX-CNP to Improve the Quantification of Land Carbon Cycle. <i>Land</i> , 2022, 11, 778.	2.9	0
11	Temporal and Spatial Variation of Wetland CH ₄ Emissions from the Qinghai-Tibet Plateau under Future Climate Change Scenarios. <i>Atmosphere</i> , 2022, 13, 854.	2.3	1
12	Evaluating and quantifying the effect of various spruce budworm intervention strategies on forest carbon dynamics in Atlantic Canada. <i>Forest Ecosystems</i> , 2022, 9, 100052.	3.1	0
13	Effects of vegetation restoration on soil nutrients, plant diversity, and its spatiotemporal heterogeneity in a desert-oasis ecotone. <i>Land Degradation and Development</i> , 2021, 32, 670-683.	3.9	17
14	Tillage activates iron to prevent soil organic carbon loss following forest conversion to cornfields in tropical acidic red soils. <i>Science of the Total Environment</i> , 2021, 761, 143253.	8.0	16
15	Application of machine learning methods for paleoclimatic reconstructions from leaf traits. <i>International Journal of Climatology</i> , 2021, 41, E3249.	3.5	5
16	Global response of terrestrial gross primary productivity to climate extremes. <i>Science of the Total Environment</i> , 2021, 750, 142337.	8.0	32
17	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <i>Water Research</i> , 2021, 190, 116738.	11.3	43
18	No evidence for carryover effect in tree rings based on a pulse-labelling experiment on <i>Juniperus communis</i> in South Germany. <i>Trees - Structure and Function</i> , 2021, 35, 493-502.	1.9	1

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19	Dynamic allometric scaling of tree biomass and size. <i>Nature Plants</i> , 2021, 7, 42-49.	9.3	27
20	The Effects of Drought and Re-Watering on Non-Structural Carbohydrates of <i>Pinus tabulaeformis</i> Seedlings. <i>Biology</i> , 2021, 10, 281.	2.8	19
21	Nitrogen addition decreases methane uptake caused by methanotroph and methanogen imbalances in a Moso bamboo forest. <i>Scientific Reports</i> , 2021, 11, 5578.	3.3	16
22	Evaluation of Future Impacts of Climate Change, CO ₂ , and Land Use Cover Change on Global Net Primary Productivity Using a Processed Model. <i>Land</i> , 2021, 10, 365.	2.9	5
23	The Characteristics and Seasonal Variation of Methane Fluxes From an Alpine Wetland in the Qinghai Lake watershed, China. <i>Wetlands</i> , 2021, 41, 1.	1.5	4
24	Effect of Grazing Intensities on Soil N ₂ O Emissions from an Alpine Meadow of Zoige Plateau in China. <i>Atmosphere</i> , 2021, 12, 541.	2.3	7
25	Effects of Nitrogen Additions on Soil Respiration in an Asian Tropical Montane Rainforest. <i>Forests</i> , 2021, 12, 802.	2.1	3
26	A Process-Based Model Integrating Remote Sensing Data for Evaluating Ecosystem Services. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002451.	3.8	15
27	Leaf Trait Covariation and Its Controls: A Quantitative Data Analysis Along a Subtropical Elevation Gradient. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006378.	3.0	5
28	Observed Methane Uptake and Emissions at the Ecosystem Scale and Environmental Controls in a Subtropical Forest. <i>Land</i> , 2021, 10, 975.	2.9	3
29	Response of Vegetation Photosynthetic Phenology to Urbanization in Dongting Lake Basin, China. <i>Remote Sensing</i> , 2021, 13, 3722.	4.0	7
30	Quantifying Leaf Trait Covariations and Their Relationships with Plant Adaptation Strategies along an Aridity Gradient. <i>Biology</i> , 2021, 10, 1066.	2.8	5
31	Analysis and Prediction of Expansion of Central Cities Based on Nighttime Light Data in Hunan Province, China. <i>Sustainability</i> , 2021, 13, 11982.	3.2	4
32	Climate Change Will Reduce the Carbon Use Efficiency of Terrestrial Ecosystems on the Qinghai-Tibet Plateau: An Analysis Based on Multiple Models. <i>Forests</i> , 2021, 12, 12.	2.1	5
33	Gross Ecosystem Productivity Dominates the Control of Ecosystem Methane Flux in Rice Paddies. <i>Land</i> , 2021, 10, 1186.	2.9	2
34	Global vegetation biomass production efficiency constrained by models and observations. <i>Global Change Biology</i> , 2020, 26, 1474-1484.	9.5	15
35	Assessment of biomass utilization potential of <i>Caragana korshinskii</i> and its effect on carbon sequestration on the Northern Shaanxi Loess Plateau, China. <i>Land Degradation and Development</i> , 2020, 31, 53-64.	3.9	13
36	The significant contribution of lake depth in regulating global lake diffusive methane emissions. <i>Water Research</i> , 2020, 172, 115465.	11.3	47

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37	High uncertainties detected in the wetlands distribution of the Qinghai-Tibet Plateau based on multisource data. <i>Landscape and Ecological Engineering</i> , 2020, 16, 47-61.	1.5	11
38	Modeling the effects of precipitation and temperature patterns on agricultural drought in China from 1949 to 2015. <i>Science of the Total Environment</i> , 2020, 711, 135139.	8.0	42
39	Soil GHG fluxes are altered by N deposition: New data indicate lower N stimulation of the N ₂ O flux and greater stimulation of the calculated C pools. <i>Global Change Biology</i> , 2020, 26, 2613-2629.	9.5	115
40	Warming-induced global soil carbon loss attenuated by downward carbon movement. <i>Global Change Biology</i> , 2020, 26, 7242-7254.	9.5	28
41	Quantifying the Effects of Vegetation Restorations on the Soil Erosion Export and Nutrient Loss on the Loess Plateau. <i>Frontiers in Plant Science</i> , 2020, 11, 573126.	3.6	24
42	Effects of Land Cover Changes on Net Primary Productivity in the Terrestrial Ecosystems of China from 2001 to 2012. <i>Land</i> , 2020, 9, 480.	2.9	14
43	Effect of Urbanization on Ecosystem Service Values in the Beijing-Tianjin-Hebei Urban Agglomeration of China from 2000 to 2014. <i>Sustainability</i> , 2020, 12, 10233.	3.2	14
44	Interspecific difference in N:P stoichiometric homeostasis drives nutrient release and soil microbial community composition during decomposition. <i>Plant and Soil</i> , 2020, 452, 29-42.	3.7	3
45	Nitrogen addition increased CO ₂ uptake more than non-CO ₂ greenhouse gases emissions in a Moso bamboo forest. <i>Science Advances</i> , 2020, 6, eaaw5790.	10.3	60
46	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	9.5	50
47	Nitrous oxide emissions from three temperate forest types in the Qinling Mountains, China. <i>Journal of Forestry Research</i> , 2019, 30, 1417-1427.	3.6	4
48	Assessment of frozen ground organic carbon pool on the Qinghai-Tibet Plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 128-139.	3.0	18
49	Trait-Based Climate Change Predictions of Vegetation Sensitivity and Distribution in China. <i>Frontiers in Plant Science</i> , 2019, 10, 908.	3.6	11
50	Drivers of soil microbial metabolic limitation changes along a vegetation restoration gradient on the Loess Plateau, China. <i>Geoderma</i> , 2019, 353, 188-200.	5.1	114
51	Carbon and Water Use Efficiencies: A Comparative Analysis of Ten Terrestrial Ecosystem Models under Changing Climate. <i>Scientific Reports</i> , 2019, 9, 14680.	3.3	37
52	Simulation of dissolved organic carbon concentrations and fluxes in Chinese monsoon forest ecosystems using a modified TRIPLEX-DOC model. <i>Science of the Total Environment</i> , 2019, 697, 134054.	8.0	4
53	Field-experiment constraints on the enhancement of the terrestrial carbon sink by CO ₂ fertilization. <i>Nature Geoscience</i> , 2019, 12, 809-814.	12.9	58
54	Modelling the impacts of climate and land use changes on soil water erosion: Model applications, limitations and future challenges. <i>Journal of Environmental Management</i> , 2019, 250, 109403.	7.8	76

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55	Comparison of methane emissions among invasive and native mangrove species in Dongzhaigang, Hainan Island. <i>Science of the Total Environment</i> , 2019, 697, 133945.	8.0	40
56	Structural and functional differentiation of the microbial community in the surface and subsurface peat of two minerotrophic fens in China. <i>Plant and Soil</i> , 2019, 437, 21-40.	3.7	22
57	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.	4.9	38
58	Factors Affecting the Spatial and Temporal Variations in Soil Erodibility of China. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 737-749.	2.8	40
59	Quantifying leaf-trait covariation and its controls across climates and biomes. <i>New Phytologist</i> , 2019, 221, 155-168.	7.3	60
60	Spatial and temporal variations of N ₂ O emissions from global forest and grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2019, 266-267, 129-139.	4.8	36
61	Changes in soil organic carbon and microbial carbon storage projected during the 21st century using TRIPLEX-MICROBE. <i>Ecological Indicators</i> , 2019, 98, 80-87.	6.3	5
62	Comparative analyses of different biogenic CO ₂ emission accounting systems in life cycle assessment. <i>Science of the Total Environment</i> , 2019, 652, 1456-1462.	8.0	20
63	Modeling and estimating aboveground biomass of <i>Dacrydium pierrei</i> in China using machine learning with climate change. <i>Journal of Environmental Management</i> , 2019, 234, 167-179.	7.8	28
64	Modeling Global Riverine DOC Flux Dynamics From 1951 to 2015. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 514-530.	3.8	34
65	Change in Autumn Vegetation Phenology and the Climate Controls From 1982 to 2012 on the Qinghai-Tibet Plateau. <i>Frontiers in Plant Science</i> , 2019, 10, 1677.	3.6	27
66	Individual and combined effects of multiple global change drivers on terrestrial phosphorus pools: A meta-analysis. <i>Science of the Total Environment</i> , 2018, 630, 181-188.	8.0	29
67	Effects of elevated sulfate concentration on the mobility of arsenic in the sediment-water interface. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 311-320.	6.0	22
68	Holocene peatland development and carbon stock of Zoige peatlands, Tibetan Plateau: a modeling approach. <i>Journal of Soils and Sediments</i> , 2018, 18, 2032-2043.	3.0	5
69	Early-spring soil warming partially offsets the enhancement of alpine grassland aboveground productivity induced by warmer growing seasons on the Qinghai-Tibetan Plateau. <i>Plant and Soil</i> , 2018, 425, 177-188.	3.7	29
70	Estimates and Predictions of Methane Emissions from Wastewater in China from 2000 to 2020. <i>Earth's Future</i> , 2018, 6, 252-263.	6.3	37
71	CH ₄ concentrations and fluxes in a subtropical metropolitan river network: Watershed urbanization impacts and environmental controls. <i>Science of the Total Environment</i> , 2018, 622-623, 1079-1089.	8.0	40
72	Temporal-spatial pattern of organic carbon sequestration by Chinese lakes since 1850. <i>Limnology and Oceanography</i> , 2018, 63, 1283-1297.	3.1	30

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73	The Global N ₂ O Model Intercomparison Project. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1231-1251.	3.3	123
74	Multi-scale temporal variation of methane flux and its controls in a subtropical tidal salt marsh in eastern China. <i>Biogeochemistry</i> , 2018, 137, 163-179.	3.5	36
75	Positive responses of belowground C dynamics to nitrogen enrichment in China. <i>Science of the Total Environment</i> , 2018, 616-617, 1035-1044.	8.0	41
76	Data supporting assessment for nitrous oxide emissions from soils under traditional cropland and apple orchard in the Loess Plateau of China. <i>Data in Brief</i> , 2018, 21, 1381-1388.	1.0	3
77	Hydrologic and Edaphic Controls on Soil Carbon Emission in Dongting Lake Floodplain, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3088-3097.	3.0	14
78	Allocation Mechanisms of Non-Structural Carbohydrates of <i>Robinia pseudoacacia</i> L. Seedlings in Response to Drought and Waterlogging. <i>Forests</i> , 2018, 9, 754.	2.1	12
79	Modeling Gross Primary Production of a Typical Coastal Wetland in China Using MODIS Time Series and CO ₂ Eddy Flux Tower Data. <i>Remote Sensing</i> , 2018, 10, 708.	4.0	13
80	Dynamics of vegetation autumn phenology and its response to multiple environmental factors from 1982 to 2012 on Qinghai-Tibetan Plateau in China. <i>Science of the Total Environment</i> , 2018, 637-638, 855-864.	8.0	76
81	Contrasting Soil Bacterial Community, Diversity, and Function in Two Forests in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1693.	3.5	72
82	Application of machine-learning methods in forest ecology: recent progress and future challenges. <i>Environmental Reviews</i> , 2018, 26, 339-350.	4.5	90
83	Variation in Soil Methane Fluxes and Comparison between Two Forests in China. <i>Forests</i> , 2018, 9, 204.	2.1	7
84	Effect of Drought on Agronomic Traits of Rice and Wheat: A Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 839.	2.6	208
85	<i>CO₂</i> and <i>CO₂</i> fluxes of the metropolitan river network in relation to the urbanization of Chongqing, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 470-486.	3.0	71
86	Quantification of the response of global terrestrial net primary production to multifactor global change. <i>Ecological Indicators</i> , 2017, 76, 245-255.	6.3	36
87	Interannual variation in methane emissions from tropical wetlands triggered by repeated El Niño Southern Oscillation. <i>Global Change Biology</i> , 2017, 23, 4706-4716.	9.5	28
88	The carbon flux of global rivers: A re-evaluation of amount and spatial patterns. <i>Ecological Indicators</i> , 2017, 80, 40-51.	6.3	106
89	Spatial patterns of leaf ¹³ C and its relationship with plant functional groups and environmental factors in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1564-1575.	3.0	17
90	Model prediction of biome-specific global soil respiration from 1960 to 2012. <i>Earth's Future</i> , 2017, 5, 715-729.	6.3	60

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91	Qinghaiâ€“tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	40
92	Past and future carbon sequestration benefits of Chinaâ€™s grain for green program. <i>Global Environmental Change</i> , 2017, 47, 13-20.	7.8	161
93	Modeling Global Soil Carbon and Soil Microbial Carbon by Integrating Microbial Processes into the Ecosystem Process Model <sc>TRIPLEXâ€“GHG</sc>. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2368-2384.	3.8	47
94	Photosynthetic responses to altitude: an explanation based on optimality principles. <i>New Phytologist</i> , 2017, 213, 976-982.	7.3	71
95	Processâ€“based <sc>TRIPLEXâ€“GHG</sc> model for simulating <sc>N</sc>₂<sc>O</sc> emissions from global forests and grasslands: <sc>M</sc>odel development and evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2079-2102.	3.8	14
96	Towards a universal model for carbon dioxide uptake by plants. <i>Nature Plants</i> , 2017, 3, 734-741.	9.3	237
97	The NEBIE plot network: Highlights of long-term scientific studies. <i>Forestry Chronicle</i> , 2017, 93, 122-137.	0.6	3
98	Towards a paradigm for open and free sharing of scientific data on global change science in china. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	3.1	13
99	Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901â€“2005. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1372-1393.	3.0	35
100	Physiological and transcriptional regulation in poplar roots and leaves during acclimation to high temperature and drought. <i>Physiologia Plantarum</i> , 2016, 157, 38-53.	5.2	29
101	Climate-driven increase of natural wetland methane emissions offset by human-induced wetland reduction in China over the past three decades. <i>Scientific Reports</i> , 2016, 6, 38020.	3.3	13
102	Dynamic allocation and transfer of non-structural carbohydrates, a possible mechanism for the explosive growth of Moso bamboo (<i>Phyllostachys heterocycla</i>). <i>Scientific Reports</i> , 2016, 6, 25908.	3.3	118
103	Simulated effects of nitrogen saturation on the global carbon budget using the IBIS model. <i>Scientific Reports</i> , 2016, 6, 39173.	3.3	13
104	Foliar litter decomposition in an alpine forest meta-ecosystem on the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2016, 566-567, 279-287.	8.0	34
105	A global meta-analysis of changes in soil carbon, nitrogen, phosphorus and sulfur, and stoichiometric shifts after forestation. <i>Plant and Soil</i> , 2016, 407, 323-340.	3.7	87
106	Soil properties and species composition under different grazing intensity in an alpine meadow on the eastern Tibetan Plateau, China. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 678.	2.7	31
107	Degradation of lignin and cellulose during foliar litter decomposition in an alpine forest river. <i>Ecosphere</i> , 2016, 7, e01523.	2.2	39
108	A novel approach for modelling vegetation distributions and analysing vegetation sensitivity through trait-climate relationships in China. <i>Scientific Reports</i> , 2016, 6, 24110.	3.3	19

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109	Soil Carbon Dioxide Fluxes from Three Forest Types of the Tropical Montane Rainforest on Hainan Island, China. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	5
110	Effects of enclosure time on the community composition of methanotrophs in the soils of the Inner Mongolia grasslands. <i>Journal of Soils and Sediments</i> , 2016, 16, 1022-1031.	3.0	14
111	Correcting the overestimate of forest biomass carbon on the national scale. <i>Methods in Ecology and Evolution</i> , 2016, 7, 447-455.	5.2	11
112	Responses of peat carbon at different depths to simulated warming and oxidizing. <i>Science of the Total Environment</i> , 2016, 548-549, 429-440.	8.0	32
113	Phosphorus and nitrogen physiology of two contrasting poplar genotypes when exposed to phosphorus and/or nitrogen starvation. <i>Tree Physiology</i> , 2016, 36, 22-38.	3.1	103
114	Integrating a model with remote sensing observations by a data assimilation approach to improve the model simulation accuracy of carbon flux and evapotranspiration at two flux sites. <i>Science China Earth Sciences</i> , 2016, 59, 337-348.	5.2	9
115	The Spatial and Temporal Distribution of Dissolved Organic Carbon Exported from Three Chinese Rivers to the China Sea. <i>PLoS ONE</i> , 2016, 11, e0165039.	2.5	17
116	Application of the ecosystem model and Markov Chain Monte Carlo for parameter estimation and productivity prediction. <i>Ecosphere</i> , 2015, 6, art270.	2.2	6
117	Effects of Topographic and Soil Factors on Woody Species Assembly in a Chinese Subtropical Evergreen Broadleaved Forest. <i>Forests</i> , 2015, 6, 650-669.	2.1	20
118	Estimating global natural wetland methane emissions using process modelling: spatio-temporal patterns and contributions to atmospheric methane fluctuations. <i>Global Ecology and Biogeography</i> , 2015, 24, 959-972.	5.8	53
119	Global satellite monitoring of climate-induced vegetation disturbances. <i>Trends in Plant Science</i> , 2015, 20, 114-123.	8.8	183
120	Study type and plant litter identity modulating the response of litter decomposition to warming, elevated CO ₂ , and elevated O ₃ : A meta-analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 441-451.	3.0	20
121	Roles of <i>Koeleria bipinnata</i> as a suitable accumulator tree species in remediating Mn, Zn, Pb, and Cd pollution on Mn mining wastelands in southern China. <i>Environmental Earth Sciences</i> , 2015, 74, 4549-4559.	2.7	16
122	From plant functional types to plant functional traits. <i>Progress in Physical Geography</i> , 2015, 39, 514-535.	3.2	70
123	Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448.	9.5	42
124	Monitoring the impact of aerosol contamination on the drought-induced decline of gross primary productivity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 36, 30-40.	2.8	3
125	High carbon dioxide uptake by subtropical forest ecosystems in the East Asian monsoon region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4910-4915.	7.1	403
126	Analysis of vegetation dynamics and climatic variability impacts on greenness across Canada using remotely sensed data from 2000 to 2009. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083666.	1.3	11

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127	Integrating global socio-economic influences into a regional land use change model for China. <i>Frontiers of Earth Science</i> , 2014, 8, 81-92.	2.1	10
128	Large-scale detection of vegetation dynamics using MODIS images and BFAST: A case study in Quebec, Canada. , 2014, , .		1
129	Applying an artificial neural network to simulate and predict Chinese fir (<i>Cunninghamia lanceolata</i>) plantation carbon flux in subtropical China. <i>Ecological Modelling</i> , 2014, 294, 19-26.	2.5	19
130	Quantification of soil respiration in forest ecosystems across China. <i>Atmospheric Environment</i> , 2014, 94, 546-551.	4.1	42
131	Long-term changes in tree basal area across the boreal zone, Canada. <i>Ecoscience</i> , 2014, 21, 232-241.	1.4	5
132	Chinese Grain for Green Program led to highly increased soil organic carbon levels: A meta-analysis. <i>Scientific Reports</i> , 2014, 4, 4460.	3.3	137
133	Relationship between Air Pollutants and Economic Development of the Provincial Capital Cities in China during the Past Decade. <i>PLoS ONE</i> , 2014, 9, e104013.	2.5	46
134	Changes in carbon, nutrients and stoichiometric relations under different soil depths, plant tissues and ages in black locust plantations. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2951-2964.	2.1	48
135	The effects of plant diversity on nitrous oxide emissions in hydroponic microcosms. <i>Atmospheric Environment</i> , 2013, 77, 544-547.	4.1	37
136	Does growing vegetables in plastic greenhouses enhance regional ecosystem services beyond the food supply?. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 43-49.	4.0	110
137	Assessing the spatio-temporal variation and uncertainty patterns of historical and future projected water resources in China. <i>Journal of Water and Climate Change</i> , 2013, 4, 302-316.	2.9	1
138	Tree species effects on fine root decomposition and nitrogen release in subtropical forests in southern China. <i>Plant Ecology and Diversity</i> , 2012, 5, 323-331.	2.4	8
139	A modelâ€‘data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	274
140	Simulations of runoff and evapotranspiration in Chinese fir plantation ecosystems using artificial neural networks. <i>Ecological Modelling</i> , 2012, 226, 71-76.	2.5	12
141	Carbon sequestration by Chinese bamboo forests and their ecological benefits: assessment of potential, problems, and future challenges. <i>Environmental Reviews</i> , 2011, 19, 418-428.	4.5	252
142	Characterizing the performance of ecosystem models across time scales: A spectral analysis of the North American Carbon Program site-level synthesis. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	72
143	Methane emissions from the surface of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	150
144	A drought-induced pervasive increase in tree mortality across Canada's boreal forests. <i>Nature Climate Change</i> , 2011, 1, 467-471.	18.8	653

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145	Integrating models with data in ecology and palaeoecology: advances towards a model-data fusion approach. <i>Ecology Letters</i> , 2011, 14, 522-536.	6.4	80
146	General allometric equations and biomass allocation of <i>Pinus massoniana</i> trees on a regional scale in southern China. <i>Ecological Research</i> , 2011, 26, 697-711.	1.5	48
147	Focus on quality, not just quantity. <i>Nature</i> , 2011, 475, 267-267.	27.8	17
148	A model-data intercomparison of CO ₂ exchange across North America: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	247
149	New coupled model used inversely for reconstructing past terrestrial carbon storage from pollen data: validation of model using modern data. <i>Global Change Biology</i> , 2009, 15, 82-96.	9.5	13
150	Marginal effects of silvicultural treatments on soil nutrients following harvest in a Chinese fir plantation. <i>Soil Science and Plant Nutrition</i> , 2009, 55, 523-531.	1.9	13
151	Variation in runoff with age of Chinese fir plantations in Central South China. <i>Hydrological Processes</i> , 2008, 22, 4870-4876.	2.6	12
152	Leaf $\delta^{13}C$ reflects ecosystem patterns and responses of alpine plants to the environments on the Tibetan Plateau. <i>Ecography</i> , 2008, 31, 499-508.	4.5	57
153	TRIPLEX: a generic hybrid model for predicting forest growth and carbon and nitrogen dynamics. <i>Ecological Modelling</i> , 2002, 153, 109-130.	2.5	175