

# J M Chen

## List of Publications by Year in descending order

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411  
papers

30,733  
citations

3933

88  
h-index

6654

156  
g-index

440  
all docs

440  
docs citations

440  
times ranked

16251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial distribution of carbon sources and sinks in Canada's forests. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 55, 622.	1.6	47
2	Spatially simulating changes of soil water content and their effects on carbon sequestration in Canada's forests and wetlands. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 140.	1.6	14
3	Comparison of big-leaf and two-leaf light use efficiency models for GPP simulation after considering a radiation scalar. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108761.	4.8	19
4	China's Terrestrial Carbon Sink Over 2010–2015 Constrained by Satellite Observations of Atmospheric CO <sub>2</sub> and Land Surface Variables. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	8
5	Global Terrestrial Ecosystem Carbon Flux Inferred from TanSat XCO <sub>2</sub> Retrievals. <i>Journal of Remote Sensing</i> , 2022, 2022, .	6.7	7
6	Estimating photosynthetic capacity from optimized Rubisco–chlorophyll relationships among vegetation types and under global change. <i>Environmental Research Letters</i> , 2022, 17, 014028.	5.2	7
7	Non-linearity between gross primary productivity and far-red solar-induced chlorophyll fluorescence emitted from canopies of major biomes. <i>Remote Sensing of Environment</i> , 2022, 271, 112896.	11.0	23
8	Application of a Hypergeometric Model in Simulating Canopy Gap Fraction and BRDF for Forest Plantations on Sloping Terrains. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 2901-2913.	4.9	7
9	The status of carbon neutrality of the world's top 5 CO <sub>2</sub> emitters as seen by carbon satellites. <i>Fundamental Research</i> , 2022, 2, 357-366.	3.3	16
10	Rising CO <sub>2</sub> and warming reduce global canopy demand for nitrogen. <i>New Phytologist</i> , 2022, 235, 1692-1700.	7.3	23
11	Seasonal Variations in Leaf Maximum Photosynthetic Capacity and Its Dependence on Climate Factors Across Global FLUXNET Sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	4
12	Optical vegetation indices for monitoring terrestrial ecosystems globally. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 477-493.	29.7	191
13	Quantifying Scaling Effect on Gross Primary Productivity Estimation in the Upscaling Process of Surface Heterogeneity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	8
14	Next Step in Vegetation Remote Sensing: Synergetic Retrievals of Canopy Structural and Leaf Biochemical Parameters. , 2022, , 207-220.		3
15	A 10-year global monthly averaged terrestrial net ecosystem exchange dataset inferred from the ACOS GOSAT v9 XCO <sub>2</sub> retrievals (GCAS2021). <i>Earth System Science Data</i> , 2022, 14, 3013-3037.	9.9	19
16	Sun-induced chlorophyll fluorescence is more strongly related to photosynthesis with hemispherical than nadir measurements: Evidence from field observations and model simulations. <i>Remote Sensing of Environment</i> , 2022, 279, 113118.	11.0	4
17	A model for estimating transpiration from remotely sensed solar-induced chlorophyll fluorescence. <i>Remote Sensing of Environment</i> , 2021, 252, 112134.	11.0	39
18	Deforestation and land use and land cover changes in protected areas of the Brazilian Cerrado: impacts on the fire-driven emissions of fine particulate aerosols pollutants. <i>Remote Sensing Letters</i> , 2021, 12, 79-92.	1.4	9

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19	Crop Biomass Mapping Based on Ecosystem Modeling at Regional Scale Using High Resolution Sentinel-2 Data. <i>Remote Sensing</i> , 2021, 13, 806.	4.0	11
20	Regional CO <sub>2</sub> fluxes from 2010 to 2015 inferred from GOSAT XCO <sub>2</sub> retrievals using a new version of the Global Carbon Assimilation System. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1963-1985.	4.9	23
21	Relationship Between Leaf Maximum Carboxylation Rate and Chlorophyll Content Preserved Across 13 Species. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006076.	3.0	18
22	Modulation of Land Photosynthesis by the Indian Ocean Dipole: Satellite-Based Observations and CMIP6 Future Projections. <i>Earth's Future</i> , 2021, 9, e2020EF001942.	6.3	18
23	Soil Moisture Active Passive Improves Global Soil Moisture Simulation in a Land Surface Scheme and Reveals Strong Irrigation Signals Over Farmlands. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092658.	4.0	6
24	Error Analysis of LAI Measurements with LAI-2000 Due to Discrete View Angular Range Angles for Continuous Canopies. <i>Remote Sensing</i> , 2021, 13, 1405.	4.0	5
25	Ground-Based Multiangle Solar-Induced Chlorophyll Fluorescence Observation and Angular Normalization for Assessing Crop Productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006082.	3.0	4
26	Spatial Scaling of Gross Primary Productivity Over Sixteen Mountainous Watersheds Using Vegetation Heterogeneity and Surface Topography. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005848.	3.0	15
27	Legacy Effects Following Fire on Surface Energy, Water and Carbon Fluxes in Mature Amazonian Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005833.	3.0	3
28	Evaluation of GPP over four forest plots using RAMI and UAV measurements. <i>International Journal of Digital Earth</i> , 2021, 14, 1433-1451.	3.9	5
29	Historical and future carbon stocks in forests of northern Ontario, Canada. <i>Carbon Balance and Management</i> , 2021, 16, 21.	3.2	1
30	Daily leaf area index from photosynthetically active radiation for long term records of canopy structure and leaf phenology. <i>Agricultural and Forest Meteorology</i> , 2021, 304-305, 108407.	4.8	4
31	Constraining global terrestrial gross primary productivity in a global carbon assimilation system with OCO-2 chlorophyll fluorescence data. <i>Agricultural and Forest Meteorology</i> , 2021, 304-305, 108424.	4.8	10
32	Global variation in the fraction of leaf nitrogen allocated to photosynthesis. <i>Nature Communications</i> , 2021, 12, 4866.	12.8	60
33	Carbon neutrality: Toward a sustainable future. <i>Innovation(China)</i> , 2021, 2, 100127.	9.1	107
34	Sensitivity of Estimated Total Canopy SIF Emission to Remotely Sensed LAI and BRDF Products. <i>Journal of Remote Sensing</i> , 2021, 2021, .	6.7	20
35	A modified two-leaf light use efficiency model for improving the simulation of GPP using a radiation scalar. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108546.	4.8	33
36	Response to Comments on "Recent global decline of CO <sub>2</sub> fertilization effects on vegetation photosynthesis". <i>Science</i> , 2021, 373, eabg7484.	12.6	15

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37	Fine-scale leaf chlorophyll distribution across a deciduous forest through two-step model inversion from Sentinel-2 data. <i>Remote Sensing of Environment</i> , 2021, 264, 112618.	11.0	18
38	Long time-series NDVI reconstruction in cloud-prone regions via spatio-temporal tensor completion. <i>Remote Sensing of Environment</i> , 2021, 264, 112632.	11.0	60
39	Evaluation of Clumping Effects on the Estimation of Global Terrestrial Evapotranspiration. <i>Remote Sensing</i> , 2021, 13, 4075.	4.0	7
40	Technologies and perspectives for achieving carbon neutrality. <i>Innovation(China)</i> , 2021, 2, 100180.	9.1	306
41	Seamless Mosaicking of UAV-Based Push-Broom Hyperspectral Images for Environment Monitoring. <i>Remote Sensing</i> , 2021, 13, 4720.	4.0	15
42	Multi-angular instrument for tower-based observations of canopy sun-induced chlorophyll fluorescence. <i>Instrumentation Science and Technology</i> , 2020, 48, 146-161.	1.8	2
43	Estimation of leaf photosynthetic capacity from the photochemical reflectance index and leaf pigments. <i>Ecological Indicators</i> , 2020, 110, 105867.	6.3	28
44	Evolution of evapotranspiration models using thermal and shortwave remote sensing data. <i>Remote Sensing of Environment</i> , 2020, 237, 111594.	11.0	156
45	The global distribution of leaf chlorophyll content. <i>Remote Sensing of Environment</i> , 2020, 236, 111479.	11.0	122
46	Mapping within-field leaf chlorophyll content in agricultural crops for nitrogen management using Landsat-8 imagery. <i>Precision Agriculture</i> , 2020, 21, 856-880.	6.0	31
47	Importance of Shaded Leaf Contribution to the Total GPP of Canadian Terrestrial Ecosystems: Evaluation of MODIS GPP. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005917.	3.0	6
48	Reconstructing the Seasonality and Trend in Global Leaf Area Index During 2001â€“2017 for Prognostic Modeling. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005698.	3.0	6
49	Improved estimation of leaf chlorophyll content of row crops from canopy reflectance spectra through minimizing canopy structural effects and optimizing off-noon observation time. <i>Remote Sensing of Environment</i> , 2020, 248, 111985.	11.0	70
50	Smoke pollution's impacts in Amazonia. <i>Science</i> , 2020, 369, 634-635.	12.6	28
51	Assessing bi-directional effects on the diurnal cycle of measured solar-induced chlorophyll fluorescence in crop canopies. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108147.	4.8	43
52	The Response of Spectral Vegetation Indices and Solarâ€“Induced Fluorescence to Changes in Illumination Intensity and Geometry in the Days Surrounding the 2017 North American Solar Eclipse. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005774.	3.0	3
53	Estimating crop biomass using leaf area index derived from Landsat 8 and Sentinel-2 data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 168, 236-250.	11.1	64
54	Evapotranspiration and Precipitation over Pasture and Soybean Areas in the Xingu River Basin, an Expanding Amazonian Agricultural Frontier. <i>Agronomy</i> , 2020, 10, 1112.	3.0	7

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55	Rapid Recent Deforestation Incursion in a Vulnerable Indigenous Land in the Brazilian Amazon and Fire-Driven Emissions of Fine Particulate Aerosol Pollutants. <i>Forests</i> , 2020, 11, 829.	2.1	40
56	Correcting Clear-Sky Bias in Gross Primary Production Modeling From Satellite Solar-Induced Chlorophyll Fluorescence Data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005822.	3.0	15
57	Recent global decline of CO <sub>2</sub> fertilization effects on vegetation photosynthesis. <i>Science</i> , 2020, 370, 1295-1300.	12.6	317
58	Critical land change information enhances the understanding of carbon balance in the United States. <i>Global Change Biology</i> , 2020, 26, 3920-3929.	9.5	24
59	Maximum Carboxylation Rate Estimation With Chlorophyll Content as a Proxy of Rubisco Content. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005748.	3.0	19
60	Photochemical reflectance index (PRI) can be used to improve the relationship between gross primary productivity (GPP) and sun-induced chlorophyll fluorescence (SIF). <i>Remote Sensing of Environment</i> , 2020, 246, 111888.	11.0	57
61	Improved estimate of global gross primary production for reproducing its long-term variation, 1982–2017. <i>Earth System Science Data</i> , 2020, 12, 2725-2746.	9.9	156
62	Effectiveness Evaluation of China's Air Pollution Control Action Plan Using Satellite Aerosol Product. , 2020, , .		0
63	Redefining the Directional-Hemispherical Reflectance and Transmittance of Needle-Shaped Leaves to Address Issues in Their Existing Measurement Methods. <i>Photogrammetric Engineering and Remote Sensing</i> , 2020, 86, 627-641.	0.6	2
64	Retrieving Leaf Chlorophyll Content by Incorporating Variable Leaf Surface Reflectance in the PROSPECT Model. <i>Remote Sensing</i> , 2019, 11, 1572.	4.0	10
65	Exploring SMAP and OCO-2 observations to monitor soil moisture control on photosynthetic activity of global drylands and croplands. <i>Remote Sensing of Environment</i> , 2019, 232, 111314.	11.0	21
66	Diverse photosynthetic capacity of global ecosystems mapped by satellite chlorophyll fluorescence measurements. <i>Remote Sensing of Environment</i> , 2019, 232, 111344.	11.0	59
67	Field-Scale Crop Seeding Date Estimation from MODIS Data and Growing Degree Days in Manitoba, Canada. <i>Remote Sensing</i> , 2019, 11, 1760.	4.0	11
68	Including soil water stress in process-based ecosystem models by scaling down maximum carboxylation rate using accumulated soil water deficit. <i>Agricultural and Forest Meteorology</i> , 2019, 276-277, 107649.	4.8	9
69	From Canopy-Leaving to Total Canopy Far-Red Fluorescence Emission for Remote Sensing of Photosynthesis: First Results From TROPOMI. <i>Geophysical Research Letters</i> , 2019, 46, 12030-12040.	4.0	59
70	Underestimation of Global Photosynthesis in Earth System Models Due to Representation of Vegetation Structure. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1358-1369.	4.9	34
71	Global 500-m clumping index product derived from MODIS BRDF data (2001–2017). <i>Remote Sensing of Environment</i> , 2019, 232, 111296.	11.0	49
72	Seasonality of leaf area index and photosynthetic capacity for better estimation of carbon and water fluxes in evergreen conifer forests. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107708.	4.8	20

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73	Vegetation structural change since 1981 significantly enhanced the terrestrial carbon sink. <i>Nature Communications</i> , 2019, 10, 4259.	12.8	170
74	Effects of the Temporal Aggregation and Meteorological Conditions on the Parameter Robustness of OCO-2 SIF-Based and LUE-Based GPP Models for Croplands. <i>Remote Sensing</i> , 2019, 11, 1328.	4.0	6
75	Terrestrial ecosystem carbon flux estimated using GOSAT and OCO-2 XCO <sub>2</sub> retrievals. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12067-12082.	4.9	31
76	Does Earlier and Increased Spring Plant Growth Lead to Reduced Summer Soil Moisture and Plant Growth on Landscapes Typical of Tundra-Taiga Interface?. <i>Remote Sensing</i> , 2019, 11, 1989.	4.0	17
77	Simulating emission and scattering of solar-induced chlorophyll fluorescence at far-red band in global vegetation with different canopy structures. <i>Remote Sensing of Environment</i> , 2019, 233, 111373.	11.0	36
78	Modeling canopy conductance and transpiration from solar-induced chlorophyll fluorescence. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 189-201.	4.8	60
79	A UAV-Based Sensor System for Measuring Land Surface Albedo: Tested over a Boreal Peatland Ecosystem. <i>Drones</i> , 2019, 3, 27.	4.9	19
80	Improved estimates of global terrestrial photosynthesis using information on leaf chlorophyll content. <i>Global Change Biology</i> , 2019, 25, 2499-2514.	9.5	95
81	Retrieving leaf chlorophyll content using a matrix-based vegetation index combination approach. <i>Remote Sensing of Environment</i> , 2019, 224, 60-73.	11.0	94
82	Assessment of Portable Chlorophyll Meters for Measuring Crop Leaf Chlorophyll Concentration. <i>Remote Sensing</i> , 2019, 11, 2706.	4.0	55
83	Improving the PROSPECT Model to Consider Anisotropic Scattering of Leaf Internal Materials and Its Use for Retrieving Leaf Biomass in Fresh Leaves. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 3119-3136.	6.3	20
84	Comparative Performances of Airborne LiDAR Height and Intensity Data for Leaf Area Index Estimation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 300-310.	4.9	38
85	Comparison of Big-Leaf, Two-Leaf, and Two-Leaf Upscaling Schemes for Evapotranspiration Estimation Using Coupled Carbon-Water Modeling. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 207-225.	3.0	64
86	An algorithm for the retrieval of the clumping index (CI) from the MODIS BRDF product using an adjusted version of the kernel-driven BRDF model. <i>Remote Sensing of Environment</i> , 2018, 209, 594-611.	11.0	82
87	Incorporating leaf chlorophyll content into a two-leaf terrestrial biosphere model for estimating carbon and water fluxes at a forest site. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 156-168.	4.8	40
88	A robust leaf area index algorithm accounting for the expected errors in gap fraction observations. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 197-204.	4.8	23
89	Peak season plant activity shift towards spring is reflected by increasing carbon uptake by extratropical ecosystems. <i>Global Change Biology</i> , 2018, 24, 2117-2128.	9.5	97
90	Sustained Biomass Carbon Sequestration by China's Forests from 2010 to 2050. <i>Forests</i> , 2018, 9, 689.	2.1	12

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91	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , 2018, 8, 1092-1096.	18.8	145
92	Preliminary Validation of Mixed-Pixel Clumping Index in the Arid and Semi-Arid Region, Western China. , 2018, , .		0
93	The impact of the 2015/2016 El Niño on global photosynthesis using satellite remote sensing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170409.	4.0	28
94	A recent project shows that the microbial carbon pump is a primary mechanism driving ocean carbon uptake. <i>National Science Review</i> , 2018, 5, 458-458.	9.5	4
95	Changes in the Shadow: The Shifting Role of Shaded Leaves in Global Carbon and Water Cycles Under Climate Change. <i>Geophysical Research Letters</i> , 2018, 45, 5052-5061.	4.0	57
96	Relationship between Net Primary Productivity and Forest Stand Age under Different Site Conditions and Its Implications for Regional Carbon Cycle Study. <i>Forests</i> , 2018, 9, 5.	2.1	15
97	Weather Condition Dominates Regional PM2.5 Pollutions in the Eastern Coastal Provinces of China during Winter. <i>Aerosol and Air Quality Research</i> , 2018, 18, 969-980.	2.1	18
98	Seasonal fluctuations of photosynthetic parameters for light use efficiency models and the impacts on gross primary production estimation. <i>Agricultural and Forest Meteorology</i> , 2017, 236, 22-35.	4.8	25
99	Inverting the maximum carboxylation rate ( $V_{cmax}$ ) from the sunlit leaf photosynthesis rate derived from measured light response curves at tower flux sites. <i>Agricultural and Forest Meteorology</i> , 2017, 236, 48-66.	4.8	31
100	Changes in vegetation phenology are not reflected in Atmospheric $CO_2$ and $^{13}C/^{12}C$ seasonality. <i>Global Change Biology</i> , 2017, 23, 4029-4044.	9.5	15
101	Simulation and SMAP Observation of Sun-Glint Over the Land Surface at the L-Band. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 2589-2604.	6.3	19
102	Modeling Gross Primary Production for Sunlit and Shaded Canopies Across an Evergreen and a Deciduous Site in Canada. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1859-1873.	6.3	5
103	Long Temporal Analysis of 3-km MODIS Aerosol Product Over East China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 2478-2490.	4.9	8
104	Modeling Evapotranspiration over China's Landmass from 1979 to 2012 Using Multiple Land Surface Models: Evaluations and Analyses. <i>Journal of Hydrometeorology</i> , 2017, 18, 1185-1203.	1.9	31
105	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
106	Photochemical reflectance ratio for tracking light use efficiency for sunlit leaves in two forest types. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 123, 47-61.	11.1	15
107	Evaluation of seasonal variations of remotely sensed leaf area index over five evergreen coniferous forests. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 130, 187-201.	11.1	33
108	Angular normalization of GOME-2 Sun-induced chlorophyll fluorescence observation as a better proxy of vegetation productivity. <i>Geophysical Research Letters</i> , 2017, 44, 5691-5699.	4.0	89

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109	Global change induced biomass growth offsets carbon released via increased forest fire and respiration of the central Canadian boreal forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1275-1293.	3.0	18
110	Improving the ability of the photochemical reflectance index to track canopy light use efficiency through differentiating sunlit and shaded leaves. <i>Remote Sensing of Environment</i> , 2017, 194, 1-15.	11.0	42
111	Leaf chlorophyll content as a proxy for leaf photosynthetic capacity. <i>Global Change Biology</i> , 2017, 23, 3513-3524.	9.5	404
112	Optimization of Terrestrial Ecosystem Model Parameters Using Atmospheric CO <sub>2</sub> Concentration Data With the Global Carbon Assimilation System (GCAS). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3218-3237.	3.0	6
113	Assessment of SMAP soil moisture for global simulation of gross primary production. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1549-1563.	3.0	44
114	Forest sector carbon analyses support land management planning and projects: assessing the influence of anthropogenic and natural factors. <i>Climatic Change</i> , 2017, 144, 207-220.	3.6	14
115	Seeking potential contributions to future carbon budget in conterminous US forests considering disturbances. <i>Theoretical and Applied Climatology</i> , 2017, 130, 971-978.	2.8	0
116	Positive or Negative? Urbanization-Induced Variations in Diurnal Skin-Surface Temperature Range Detected Using Satellite Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,229.	3.3	11
117	GOFP: A Geometric-Optical Model for Forest Plantations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5230-5241.	6.3	16
118	Comparison of hourly and daily Penman-Monteith grass- and alfalfa-reference evapotranspiration equations and crop coefficients for maize under arid climatic conditions. <i>Agricultural Water Management</i> , 2017, 192, 1-11.	5.6	19
119	Nitrogen Availability Dampens the Positive Impacts of CO <sub>2</sub> Fertilization on Terrestrial Ecosystem Carbon and Water Cycles. <i>Geophysical Research Letters</i> , 2017, 44, 11,590.	4.0	45
120	Limited Effects of Water Absorption on Reducing the Accuracy of Leaf Nitrogen Estimation. <i>Remote Sensing</i> , 2017, 9, 291.	4.0	12
121	Canopy-Level Photochemical Reflectance Index from Hyperspectral Remote Sensing and Leaf-Level Non-Photochemical Quenching as Early Indicators of Water Stress in Maize. <i>Remote Sensing</i> , 2017, 9, 794.	4.0	27
122	A joint global carbon inversion system using both CO <sub>2</sub> and <sup>13</sup> CO <sub>2</sub> atmospheric concentration data. <i>Geoscientific Model Development</i> , 2017, 10, 1131-1156.	3.6	11
123	Separating overstory and understory leaf area indices for global needleleaf and deciduous broadleaf forests by fusion of MODIS and MISR data. <i>Biogeosciences</i> , 2017, 14, 1093-1110.	3.3	36
124	Leaf chlorophyll content estimation from sentinel-2 MSI data. , 2017, , .		2
125	Influence of site index on the relationship between forest net primary productivity and stand age. <i>PLoS ONE</i> , 2017, 12, e0177084.	2.5	19
126	Coherence among the Northern Hemisphere land, cryosphere, and ocean responses to natural variability and anthropogenic forcing during the satellite era. <i>Earth System Dynamics</i> , 2016, 7, 717-734.	7.1	9



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127	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
128	A comprehensive estimate of recent carbon sinks in China using both top-down and bottom-up approaches. <i>Scientific Reports</i> , 2016, 6, 22130.	3.3	55
129	Application of the photochemical reflectance index to track light use efficiency with a two-leaf model. , 2016, , .		0
130	Circumpolar vegetation dynamics product for global change study. <i>Remote Sensing of Environment</i> , 2016, 182, 13-26.	11.0	54
131	Effects of LiDAR point density, sampling size and height threshold on estimation accuracy of crop biophysical parameters. <i>Optics Express</i> , 2016, 24, 11578.	3.4	44
132	A conjunct near-surface spectroscopy system for fix-angle and multi-angle continuous measurements of canopy reflectance and sun-induced chlorophyll fluorescence. , 2016, , .		0
133	Retrieval of seasonal dynamics of forest understory reflectance from semiarid to boreal forests using MODIS BRDF data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 855-863.	3.0	16
134	A method for improving hotspot directional signatures in BRDF models used for MODIS. <i>Remote Sensing of Environment</i> , 2016, 186, 135-151.	11.0	85
135	Exploring the feasibility of global mapping of the leaf carboxylation rate. , 2016, , .		0
136	Influence of the exclusion distance among trees on gap fraction and foliage clumping index of forest plantations. <i>Trees - Structure and Function</i> , 2016, 30, 1683-1693.	1.9	11
137	Improving winter leaf area index estimation in coniferous forests and its significance in estimating the land surface albedo. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 119, 32-48.	11.1	14
138	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. <i>Biogeochemistry</i> , 2016, 129, 53-76.	3.5	24
139	Global vegetation productivity response to climatic oscillations during the satellite era. <i>Global Change Biology</i> , 2016, 22, 3414-3426.	9.5	90
140	A combined GLAS and MODIS estimation of the global distribution of mean forest canopy height. <i>Remote Sensing of Environment</i> , 2016, 174, 24-43.	11.0	67
141	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	5.2	199
142	Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1045-1072.	3.0	93
143	Evaluating the impacts of climate variability and cutting and insect defoliation on the historical carbon dynamics of a boreal black spruce forest landscape in eastern Canada. <i>Ecological Modelling</i> , 2016, 321, 98-109.	2.5	2
144	Improved modeling of land surface phenology using MODIS land surface reflectance and temperature at evergreen needleleaf forests of central North America. <i>Remote Sensing of Environment</i> , 2016, 176, 152-162.	11.0	85

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145	Assessment of foliage clumping effects on evapotranspiration estimates in forested ecosystems. <i>Agricultural and Forest Meteorology</i> , 2016, 216, 82-92.	4.8	64
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