

Fenghui Yuan

List of Publications by Year in Descending Order

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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.

60
papers

982
citations

15
h-index

30
g-index

67
ext. papers

1,323
ext. citations

4.7
avg, IF

4.16
L-index

#	Paper	IF	Citations
60	Estimating the impact of shelterbelt structure on corn yield at a large scale using Google Earth and Sentinel 2 data. <i>Environmental Research Letters</i> , 2022 , 17, 044060	6.2	0
59	Improving the WRF/urban modeling system in China by developing a national urban dataset. <i>Geoscience Frontiers</i> , 2022 , 13, 101385	6	0
58	Wetland conversion to cropland alters the microbes along soil profiles and over seasons. <i>Catena</i> , 2022 , 214, 106282	5.8	0
57	Hydrological feedbacks on peatland CH ₄ emission under warming and elevated CO ₂ : A modeling study. <i>Journal of Hydrology</i> , 2021 , 603, 127137	6	1
56	Nitrogen nutrition addition mitigated drought stress by improving carbon exchange and reserves among two temperate trees. <i>Agricultural and Forest Meteorology</i> , 2021 , 311, 108693	5.8	1
55	Autotrophic respiration modulates the carbon isotope composition of soil respiration in a mixed forest. <i>Science of the Total Environment</i> , 2021 , 807, 150834	10.2	1
54	Stomatal, mesophyll and biochemical limitations to soil drought and rewatering in relation to intrinsic water-use efficiency in Manchurian ash and Mongolian oak. <i>Photosynthetica</i> , 2021 , 59, 49-60	2.2	1
53	The application of EO-1 Hyperion hyperspectral data to estimate the GPP of temperate forest in Changbai Mountain, Northeast China. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	
52	Comparative Analysis of Two Machine Learning Algorithms in Predicting Site-Level Net Ecosystem Exchange in Major Biomes. <i>Remote Sensing</i> , 2021 , 13, 2242	5	2
51	Seawater exposure causes hydraulic damage in dying Sitka-spruce trees. <i>Plant Physiology</i> , 2021 , 187, 873-885	6.6	1
50	Responses of evapotranspiration to droughts across global forests: a systematic assessment. <i>Canadian Journal of Forest Research</i> , 2021 , 51, 1-9	1.9	3
49	Responses of functional traits to seven-year nitrogen addition in two tree species: coordination of hydraulics, gas exchange and carbon reserves. <i>Tree Physiology</i> , 2021 , 41, 190-205	4.2	7
48	Wetland reclamation homogenizes microbial properties along soil profiles. <i>Geoderma</i> , 2021 , 395, 115075	5.7	4
47	An Integrative Model for Soil Biogeochemistry and Methane Processes. II: Warming and Elevated CO ₂ Effects on Peatland CH ₄ Emissions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG005963	3.7	4
46	Effects of Soil Nitrogen Addition on Crown CO ₂ Exchange of <i>Fraxinus mandshurica</i> Rupr. Saplings. <i>Forests</i> , 2021 , 12, 1170	2.8	1
45	Environmental Effects on Carbon Isotope Discrimination from Assimilation to Respiration in a Coniferous and Broad-Leaved Mixed Forest of Northeast China. <i>Forests</i> , 2020 , 11, 1156	2.8	5
44	Phosphorus alleviation of nitrogen-suppressed methane sink in global grasslands. <i>Ecology Letters</i> , 2020 , 23, 821-830	10	9

43	Rising vegetation activity dominates growing water use efficiency in the Asian permafrost region from 1900 to 2100. <i>Science of the Total Environment</i> , 2020 , 736, 139587	10.2	7
42	Global biogeography of fungal and bacterial biomass carbon in topsoil. <i>Soil Biology and Biochemistry</i> , 2020 , 151, 108024	7.5	21
41	Divergences in hydraulic conductance and anatomical traits of stems and leaves in three temperate tree species coping with drought, N addition and their interactions. <i>Tree Physiology</i> , 2020 , 40, 230-244	4.2	8
40	Soil dissolved organic carbon in terrestrial ecosystems: Global budget, spatial distribution and controls. <i>Global Ecology and Biogeography</i> , 2020 , 29, 2159-2175	6.1	12
39	Effects of nitrogen additions on mesophyll and stomatal conductance in Manchurian ash and Mongolian oak. <i>Scientific Reports</i> , 2020 , 10, 10038	4.9	6
38	A semiempirical model for horizontal distribution of surface wind speed leeward windbreaks. <i>Agroforestry Systems</i> , 2020 , 94, 499-516	2	3
37	Effects of soil rewatering on mesophyll and stomatal conductance and the associated mechanisms involving leaf anatomy and some physiological activities in Manchurian ash and Mongolian oak in the Changbai Mountains. <i>Plant Physiology and Biochemistry</i> , 2019 , 144, 22-34	5.4	9
36	Climate Change Made Major Contributions to Soil Water Storage Decline in the Southwestern US during 2003-2014. <i>Water (Switzerland)</i> , 2019 , 11, 1947	3	
35	Mechanistic Modeling of Microtopographic Impacts on CO ₂ and CH ₄ Fluxes in an Alaskan Tundra Ecosystem Using the CLM-Microbe Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 4288-4304	7.1	11
34	Soil water response to rainfall in a dune-interdune landscape in Horqin Sand Land, northern China. <i>Soil and Water Research</i> , 2019 , 14, 229-239	2.5	1
33	The effects of land use change on soil infiltration capacity in China: A meta-analysis. <i>Science of the Total Environment</i> , 2018 , 626, 1394-1401	10.2	58
32	Responses of Woody Plant Functional Traits to Nitrogen Addition: A Meta-Analysis of Leaf Economics, Gas Exchange, and Hydraulic Traits. <i>Frontiers in Plant Science</i> , 2018 , 9, 683	6.2	35
31	The effects of forest thinning on soil carbon stocks and dynamics: A meta-analysis. <i>Forest Ecology and Management</i> , 2018 , 429, 36-43	3.9	51
30	The sweet side of global change-dynamic responses of non-structural carbohydrates to drought, elevated CO ₂ and nitrogen fertilization in tree species. <i>Tree Physiology</i> , 2018 , 38, 1706-1723	4.2	31
29	The influence of tree species on small scale spatial heterogeneity of soil respiration in a temperate mixed forest. <i>Science of the Total Environment</i> , 2017 , 590-591, 242-248	10.2	19
28	Quantitative Investigations of Water Balances of a Dune-Interdune Landscape during the Growing Season in the Horqin Sandy Land, Northeastern China. <i>Sustainability</i> , 2017 , 9, 1058	3.6	5
27	Comprehensive precipitation evaluation of TRMM 3B42 with dense rain gauge networks in a mid-latitude basin, northeast, China. <i>Theoretical and Applied Climatology</i> , 2016 , 126, 659-671	3	32
26	Photosynthate supply drives soil respiration of <i>Fraxinus mandshurica</i> seedlings in northeastern China: evidences from a shading and nitrogen addition experiment. <i>Journal of Forestry Research</i> , 2016 , 27, 1271-1276	2	6

25	Response of terrestrial nitrogen dynamics to snow cover change: A meta-analysis of experimental manipulation. <i>Soil Biology and Biochemistry</i> , 2016 , 100, 51-58	7.5	30
24	Evapotranspiration dynamics over a temperate meadow ecosystem in eastern Inner Mongolia, China. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	12
23	Empirical Model Development for Ground Snow Sublimation beneath a Temperate Mixed Forest in Changbai Mountain. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 04016040	1.8	6
22	Response of terrestrial carbon dynamics to snow cover change: A meta-analysis of experimental manipulation (II). <i>Soil Biology and Biochemistry</i> , 2016 , 103, 388-393	7.5	14
21	Impact of leaf retained water on tree transpiration. <i>Canadian Journal of Forest Research</i> , 2015 , 45, 1351-1357	1.9	2
20	Comparative measurements of water vapor fluxes over a tall forest using open- and closed-path eddy covariance system. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 4123-4131	4	4
19	The effects of simulated nitrogen deposition on plant root traits: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2015 , 82, 112-118	7.5	146
18	Spatio-temporal analysis of the accuracy of tropical multisatellite precipitation analysis 3B42 precipitation data in mid-high latitudes of China. <i>PLoS ONE</i> , 2015 , 10, e0120026	3.7	15
17	An Experimental Comparison of Two Methods on Photosynthesis Driving Soil Respiration: Girdling and Defoliation. <i>PLoS ONE</i> , 2015 , 10, e0132649	3.7	6
16	Day and night respiration of three tree species in a temperate forest of northeastern China. <i>IForest</i> , 2015 , 8, 25-32	1.3	8
15	Impacts of climate change and land use change on runoff of forest catchment in northeast China. <i>Hydrological Processes</i> , 2014 , 28, 186-196	3.3	38
14	Carbon dioxide fluxes over a temperate meadow in eastern Inner Mongolia, China. <i>Environmental Earth Sciences</i> , 2014 , 72, 4401-4411	2.9	6
13	Estimating daytime ecosystem respiration to improve estimates of gross primary production of a temperate forest. <i>PLoS ONE</i> , 2014 , 9, e113512	3.7	8
12	Arthropod Biodiversity and Community Structures of Organic Rice Ecosystems in Guangdong Province, China. <i>Florida Entomologist</i> , 2013 , 96, 1-9	1	11
11	Soil temperature triggers the onset of photosynthesis in Korean pine. <i>PLoS ONE</i> , 2013 , 8, e65401	3.7	10
10	The relationship between sap flow of intercropped young poplar trees (<i>Populus euramericana</i> cv. N3016) and environmental factors in a semiarid region of northeastern China. <i>Hydrological Processes</i> , 2012 , 26, 2925-2937	3.3	15
9	Evolution of atmospheric carbon dioxide concentration at different temporal scales recorded in a tall forest. <i>Atmospheric Environment</i> , 2012 , 61, 9-14	5.3	19
8	Controls of evapotranspiration during the short dry season in a temperate mixed forest in Northeast China. <i>Ecohydrology</i> , 2012 , 6, n/a-n/a	2.5	9

7	Long-Term Eddy Covariance Monitoring of Evapotranspiration and Its Environmental Factors in a Temperate Mixed Forest in Northeast China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012 , 17, 965-974	1.8	5
6	Influences of snow event on energy balance over temperate meadow in dormant season based on eddy covariance measurements. <i>Journal of Hydrology</i> , 2011 , 399, 100-107	6	10
5	Analysis of impacts of climate variability and human activity on streamflow for a river basin in northeast China. <i>Journal of Hydrology</i> , 2011 , 410, 239-247	6	103
4	Site-level evaluation of MODIS-based primary production in an old-growth forest in Northeast China. <i>Journal of Applied Remote Sensing</i> , 2011 , 5, 053551	1.4	2
3	Modeling canopy CO ₂ and H ₂ O exchange of a temperate mixed forest. <i>Journal of Geophysical Research</i> , 2010 , 115,		5
2	Sublethal effects of nitenpyram on life-table parameters and wing formation of <i>Nilaparvata lugens</i> (Stål) (Homoptera: Delphacidae). <i>Applied Entomology and Zoology</i> , 2010 , 45, 569-574	1.5	11
1	Accumulation and tolerance characteristics of cadmium in a potential hyperaccumulator-- <i>Lonicera japonica</i> Thunb. <i>Journal of Hazardous Materials</i> , 2009 , 169, 170-5	12.8	131