

# Wenzhao Liu

## List of Publications by Citations

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85  
papers

1,906  
citations

25  
h-index

40  
g-index

92  
ext. papers

2,336  
ext. citations

4.5  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
85	Developing a decision support tool for China's re-vegetation program: Simulating regional impacts of afforestation on average annual streamflow in the Loess Plateau. <i>Forest Ecology and Management</i> , <b>2007</b> , 251, 65-81	3.9	209
84	Flexible Power Regulation and Current-Limited Control of the Grid-Connected Inverter Under Unbalanced Grid Voltage Faults. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 7425-7432	8.9	113
83	Soil water dynamics and deep soil recharge in a record wet year in the southern Loess Plateau of China. <i>Agricultural Water Management</i> , <b>2010</b> , 97, 1133-1138	5.9	95
82	Flexible Control Strategy for Grid-Connected Inverter Under Unbalanced Grid Faults Without PLL. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 1773-1778	7.2	94
81	Winter wheat grain yield associated with precipitation distribution under long-term nitrogen fertilization in the semiarid Loess Plateau in China. <i>Geoderma</i> , <b>2012</b> , 189-190, 442-450	6.7	92
80	Determination of groundwater recharge mechanism in the deep loessial unsaturated zone by environmental tracers. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 827-835	10.2	66
79	Vegetation dynamics and climate seasonality jointly control the interannual catchment water balance in the Loess Plateau under the Budyko framework. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 1515-1526	5.5	56
78	Responses of soil water balance and precipitation storage efficiency to increased fertilizer application in winter wheat. <i>Plant and Soil</i> , <b>2011</b> , 347, 41-51	4.2	49
77	Water-deficit and high temperature affected water use efficiency and arabinoxylan concentration in spring wheat. <i>Journal of Cereal Science</i> , <b>2010</b> , 52, 263-269	3.8	46
76	NDVI Variation and Its Responses to Climate Change on the Northern Loess Plateau of China from 1998 to 2012. <i>Advances in Meteorology</i> , <b>2015</b> , 2015, 1-10	1.7	42
75	Soil organic carbon dynamics in a dryland cereal cropping system of the Loess Plateau under long-term nitrogen fertilizer applications. <i>Plant and Soil</i> , <b>2012</b> , 353, 321-332	4.2	42
74	IFN-gamma and IL-4 in saliva of patients with oral lichen planus: a study in an ethnic Chinese population. <i>Inflammation</i> , <b>2009</b> , 32, 176-81	5.1	42
73	Nonlinear advection-aridity method for landscape evaporation and its application during the growing season in the southern Loess Plateau of the Yellow River basin. <i>Water Resources Research</i> , <b>2017</b> , 53, 270-282	5.4	40
72	Separating the impacts of climate change and land surface alteration on runoff reduction in the Jing River catchment of China. <i>Catena</i> , <b>2016</b> , 147, 80-86	5.8	40
71	Impact of land-use changes on soil hydraulic properties of Calcaric Regosols on the Loess Plateau, NW China. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2015</b> , 178, 486-498	2.3	40
70	Interaction of vegetation, climate and topography on evapotranspiration modelling at different time scales within the Budyko framework. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 275, 59-68	5.8	38
69	Groundwater depletion in the Hai River Basin, China, from in situ and GRACE observations. <i>Hydrological Sciences Journal</i> , <b>2015</b> , 60, 671-687	3.5	37

68	Revegetation has increased ecosystem water-use efficiency during 2000-2014 in the Chinese Loess Plateau: Evidence from satellite data. <i>Ecological Indicators</i> , <b>2019</b> , 102, 507-518	5.8	36
67	Impacts of fertilizer practices on environmental risk of nitrate in semiarid farmlands in the Loess Plateau of China. <i>Plant and Soil</i> , <b>2010</b> , 330, 1-13	4.2	34
66	Association of interleukin-8 gene polymorphisms and haplotypes with oral lichen planus in a Chinese population. <i>Inflammation</i> , <b>2010</b> , 33, 76-81	5.1	31
65	Evolution of potential evapotranspiration in the northern Loess Plateau of China: recent trends and climatic drivers. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 4019-4028	3.5	30
64	Diverse Responses of Winter Wheat Yield and Water Use to Climate Change and Variability on the Semiarid Loess Plateau in China. <i>Agronomy Journal</i> , <b>2014</b> , 106, 1169-1178	2.2	28
63	Effects of Programmed Local Delivery from a Micro/Nano-Hierarchical Surface on Titanium Implant on Infection Clearance and Osteogenic Induction in an Infected Bone Defect. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900002	10.1	26
62	Gelatin Nanoparticle-Injectable Platelet-Rich Fibrin Double Network Hydrogels with Local Adaptability and Bioactivity for Enhanced Osteogenesis. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901469	10.1	26
61	Nitrous oxide emissions from an apple orchard soil in the semiarid Loess Plateau of China. <i>Biology and Fertility of Soils</i> , <b>2009</b> , 46, 37-44	6.1	26
60	Impact assessment of climate change and later-maturing cultivars on winter wheat growth and soil water deficit on the Loess Plateau of China. <i>Climatic Change</i> , <b>2016</b> , 138, 157-171	4.5	24
59	Assessing and regulating the impacts of climate change on water resources in the Heihe watershed on the Loess Plateau of China. <i>Science China Earth Sciences</i> , <b>2010</b> , 53, 710-720	4.6	23
58	Straw mulching increases precipitation storage rather than water use efficiency and dryland winter wheat yield. <i>Agricultural Water Management</i> , <b>2018</b> , 206, 95-101	5.9	23
57	Soil microbial community and carbon and nitrogen fractions responses to mulching under winter wheat. <i>Applied Soil Ecology</i> , <b>2019</b> , 139, 64-68	5	22
56	Spring maize yield, soil water use and water use efficiency under plastic film and straw mulches in the Loess Plateau. <i>Scientific Reports</i> , <b>2016</b> , 6, 38995	4.9	22
55	Evaluation of the AquaCrop model for simulating yield response of winter wheat to water on the southern Loess Plateau of China. <i>Water Science and Technology</i> , <b>2013</b> , 68, 821-8	2.2	21
54	Comparison of the effectiveness of four Budyko-based methods in attributing long-term changes in actual evapotranspiration. <i>Scientific Reports</i> , <b>2018</b> , 8, 12665	4.9	20
53	Salivary and serum interleukin-18 in patients with oral lichen planus: a study in an ethnic Chinese population. <i>Inflammation</i> , <b>2012</b> , 35, 399-404	5.1	19
52	Soil temperature and moisture sensitivities of soil CO <sub>2</sub> efflux before and after tillage in a wheat field of Loess Plateau, China. <i>Journal of Environmental Sciences</i> , <b>2011</b> , 23, 79-86	6.4	19
51	Verification of land surface evapotranspiration estimation from remote sensing spatial contextual information. <i>Hydrological Processes</i> , <b>2012</b> , 26, 2283-2293	3.3	16

50	Synthesis and biological evaluation of 1H-benzimidazol-5-ols as potent HBV inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 7230-3	2.9	16
49	Influence of plastic film mulch on maize water use efficiency in the Loess Plateau of China. <i>Agricultural Water Management</i> , <b>2019</b> , 224, 105710	5.9	15
48	A Bibliometric Analysis of Soil and Water Conservation in the Loess Tableland-Gully Region of China. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 20	3	15
47	Soil Carbon Fractions in Response to Long-Term Crop Rotations in the Loess Plateau of China. <i>Soil Science Society of America Journal</i> , <b>2017</b> , 81, 503-513	2.5	15
46	Establishment and application of spring maize yield to evapotranspiration boundary function in the Loess Plateau of China. <i>Agricultural Water Management</i> , <b>2016</b> , 178, 345-349	5.9	15
45	Nitrous oxide emissions from soils under traditional cropland and apple orchard in the semi-arid Loess Plateau of China. <i>Agriculture, Ecosystems and Environment</i> , <b>2019</b> , 269, 116-124	5.7	14
44	Legacy nitrate in the deep loess deposits after conversion of arable farmland to non-fertilized land uses for degraded land restoration. <i>Land Degradation and Development</i> , <b>2020</b> , 31, 1355-1365	4.4	13
43	Two ultraviolet radiation datasets that cover China. <i>Advances in Atmospheric Sciences</i> , <b>2017</b> , 34, 805-815	2.9	12
42	Diurnal Variation of Water Vapor Mixing between the Atmospheric Boundary Layer and Free Atmosphere over Changwu, the Loess Plateau in China. <i>Scientific Online Letters on the Atmosphere</i> , <b>2008</b> , 4, 33-36	2.1	12
41	Novel robust ion-specific responsive photonic hydrogel elastomers. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8946-8953	7.1	11
40	Spatiotemporal analysis of potential evapotranspiration in the Changwu tableland from 1957 to 2012. <i>Meteorological Applications</i> , <b>2015</b> , 22, 586-591	2.1	11
39	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 765-775	4.3	11
38	Seasonal dynamics of soil CO <sub>2</sub> efflux in a conventional tilled wheat field of the Loess Plateau, China. <i>Ecological Research</i> , <b>2011</b> , 26, 735-743	1.9	10
37	Soil nitrogen fractions under long-term crop rotations in the Loess Plateau of China. <i>Soil and Tillage Research</i> , <b>2019</b> , 186, 42-51	6.5	10
36	Modified Instantaneous Power Control With Phase Compensation and Current-Limited Function Under Unbalanced Grid Faults. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 2896-2906	5.6	9
35	Modelling and attributing evapotranspiration changes on China's Loess Plateau with Budyko framework considering vegetation dynamics and climate seasonality. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2020</b> , 34, 1217-1230	3.5	8
34	Evaluation of two generalized complementary functions for annual evaporation estimation on the Loess Plateau, China. <i>Journal of Hydrology</i> , <b>2020</b> , 587, 124980	6	8
33	The land use changes and its relationship with topographic factors in the Jing river catchment on the Loess Plateau of China. <i>SpringerPlus</i> , <b>2013</b> , 2, S3		8

32	The ratio of transpiration to evapotranspiration in a rainfed maize field on the Loess Plateau of China. <i>Water Science and Technology: Water Supply</i> , <b>2017</b> , 17, 221-228	1.4	8
31	Fluorescence enhancement in an over-etched gold zero-mode waveguide. <i>Optics Express</i> , <b>2019</b> , 27, 19003-19018	3.3	1018
30	Comment on Two Papers About the Generalized Complementary Evaporation Relationships by Crago et al.. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR026292	5.4	7
29	Toothbrushing, Blood Glucose and HbA1c: Findings from a Random Survey in Chinese Population. <i>Scientific Reports</i> , <b>2016</b> , 6, 28824	4.9	7
28	Multispectral image fusion based on joint sparse subspace recovery. <i>Journal of Applied Remote Sensing</i> , <b>2015</b> , 9, 095068	1.4	7
27	Enhanced power quality and minimized peak current control in an inverter based microgrid under unbalanced grid faults <b>2016</b> ,		7
26	Preclinical assessment of histone deacetylase inhibitor quisinostat as a therapeutic agent against esophageal squamous cell carcinoma. <i>Investigational New Drugs</i> , <b>2019</b> , 37, 616-624	4.3	7
25	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7683-7693	8.9	6
24	Overexpression of CaMKII impairs behavioral flexibility and NMDAR-dependent long-term depression in the dentate gyrus. <i>Neuropharmacology</i> , <b>2017</b> , 116, 270-287	5.5	5
23	Nutrient limitation of litter decomposition with long-term secondary succession: evidence from controlled laboratory experiments. <i>Journal of Soils and Sediments</i> , <b>2020</b> , 20, 1858-1868	3.4	5
22	Anti-oral Squamous Cell Carcinoma Effects of a Potent TAZ Inhibitor AR-42. <i>Journal of Cancer</i> , <b>2020</b> , 11, 364-373	4.5	5
21	Power quality assessment in real shipboard microgrid systems under unbalanced and harmonic AC bus voltage <b>2018</b> ,		4
20	Review of Power Quality Issues in Maritime Microgrids. <i>IEEE Access</i> , <b>2021</b> , 9, 81798-81817	3.5	4
19	Impact of the voltage dips in shipboard microgrid power systems <b>2017</b> ,		3
18	Vegetation dynamics and climate seasonality jointly control the interannual catchment water balance in the Loess Plateau under the Budyko framework		3
17	Carbon dioxide fluxes in a farmland ecosystem of the southern Chinese Loess Plateau measured using a chamber-based method. <i>PeerJ</i> , <b>2020</b> , 8, e8994	3.1	3
16	AIDE. <i>Proceedings of the VLDB Endowment</i> , <b>2015</b> , 8, 1964-1967	3.1	3
15	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> , <b>2018</b> , 21, 1381-1388	1.2	2

14	Attribution analysis of the spatial variations in potential evapotranspiration on the Loess Plateau of China by a total differential equation <b>2018</b> , 49, 1902-1914		2
13	Association Between Toothbrushing and Behavioral Risk Factors of Non-communicable Diseases: A population Based Survey of 4500 adults in China. <i>Scientific Reports</i> , <b>2019</b> , 9, 8498	4.9	1
12	An analysis of query-agnostic sampling for interactive data exploration. <i>Communications in Statistics - Theory and Methods</i> , <b>2018</b> , 47, 3820-3837	0.5	1
11	Aggregate size distribution and associated carbon and nitrogen in mulched winter wheat and spring corn. <i>Canadian Journal of Soil Science</i> , <b>2019</b> , 99, 367-379	1.4	1
10	Control strategy for microgrid inverter under unbalanced grid voltage conditions <b>2014</b> ,		1
9	A power sharing method based on modified droop control for modular UPS <b>2017</b> ,		1
8	Effects of phosphorus on crop water and nitrogen use efficiency under different precipitation year in dryland <b>2011</b> ,		1
7	Separation of Bond-Wire and Solder Layer Failure Modes in IGBT Power Modules <b>2020</b> ,		1
6	Connotation analysis of parameters in the generalized nonlinear advection aridity model. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 301-302, 108343	5.8	1
5	Changes in Deep Soil Water Content in the Process of Large-Scale Apple Tree Planting on the Loess Tableland of China. <i>Forests</i> , <b>2021</b> , 12, 123	2.8	1
4	Separation and Validation of Bond-Wire and Solder Layer Failure Modes in IGBT Modules. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
3	Phase-locked loops and their design <b>2021</b> , 269-301		0
2	Groundwater recharge mechanisms on the Loess Plateau of China: New evidence for the significance of village ponds. <i>Agricultural Water Management</i> , <b>2021</b> , 257, 107148	5.9	0
1	Methodologies for Investigations of Evapotranspiration and Atmospheric Boundary Layer (ABL)-Recent Researches in Conjunction with Different Spatial Scales-. <i>Journal of Japanese Association of Hydrological Sciences</i> , <b>2010</b> , 39, 37-49	0	