

Wenzhao Liu

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.

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	Separation and Validation of Bond-Wire and Solder Layer Failure Modes in IGBT Modules. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	0
84	Connotation analysis of parameters in the generalized nonlinear advection aridity model. <i>Agricultural and Forest Meteorology</i> , 2021 , 301-302, 108343	5.8	1
83	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> , 2021 , 9, 2896-2906	5.6	9
82	Phase-locked loops and their design 2021 , 269-301		0
81	Groundwater recharge mechanisms on the Loess Plateau of China: New evidence for the significance of village ponds. <i>Agricultural Water Management</i> , 2021 , 257, 107148	5.9	0
80	Review of Power Quality Issues in Maritime Microgrids. <i>IEEE Access</i> , 2021 , 9, 81798-81817	3.5	4
79	Changes in Deep Soil Water Content in the Process of Large-Scale Apple Tree Planting on the Loess Tableland of China. <i>Forests</i> , 2021 , 12, 123	2.8	1
78	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> , 2020 , 34, 1217-1230	3.5	8
77	Comment on Two Papers About the Generalized Complementary Evaporation Relationships by Crago et al.. <i>Water Resources Research</i> , 2020 , 56, e2019WR026292	5.4	7
76	Nutrient limitation of litter decomposition with long-term secondary succession: evidence from controlled laboratory experiments. <i>Journal of Soils and Sediments</i> , 2020 , 20, 1858-1868	3.4	5
75	Gelatin Nanoparticle-Injectable Platelet-Rich Fibrin Double Network Hydrogels with Local Adaptability and Bioactivity for Enhanced Osteogenesis. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901469	10.1	26
74	Evaluation of two generalized complementary functions for annual evaporation estimation on the Loess Plateau, China. <i>Journal of Hydrology</i> , 2020 , 587, 124980	6	8
73	Separation of Bond-Wire and Solder Layer Failure Modes in IGBT Power Modules 2020 ,		1
72	Carbon dioxide fluxes in a farmland ecosystem of the southern Chinese Loess Plateau measured using a chamber-based method. <i>PeerJ</i> , 2020 , 8, e8994	3.1	3
71	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> , 2020 , 31, 1355-1365	4.4	13
70	Anti-oral Squamous Cell Carcinoma Effects of a Potent TAZ Inhibitor AR-42. <i>Journal of Cancer</i> , 2020 , 11, 364-373	4.5	5
69	Influence of plastic film mulch on maize water use efficiency in the Loess Plateau of China. <i>Agricultural Water Management</i> , 2019 , 224, 105710	5.9	15

68	Novel robust ion-specific responsive photonic hydrogel elastomers. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8946-8953	7.1	11
67	Interaction of vegetation, climate and topography on evapotranspiration modelling at different time scales within the Budyko framework. <i>Agricultural and Forest Meteorology</i> , 2019 , 275, 59-68	5.8	38
66	Association Between Toothbrushing and Behavioral Risk Factors of Non-communicable Diseases: A population Based Survey of 4500 adults in China. <i>Scientific Reports</i> , 2019 , 9, 8498	4.9	1
65	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> , 2019 , 8, e1900002	10.1	26
64	Soil microbial community and carbon and nitrogen fractions responses to mulching under winter wheat. <i>Applied Soil Ecology</i> , 2019 , 139, 64-68	5	22
63	Revegetation has increased ecosystem water-use efficiency during 2000-2014 in the Chinese Loess Plateau: Evidence from satellite data. <i>Ecological Indicators</i> , 2019 , 102, 507-518	5.8	36
62	A Bibliometric Analysis of Soil and Water Conservation in the Loess Tableland-Gully Region of China. <i>Water (Switzerland)</i> , 2019 , 11, 20	3	15
61	Aggregate size distribution and associated carbon and nitrogen in mulched winter wheat and spring corn. <i>Canadian Journal of Soil Science</i> , 2019 , 99, 367-379	1.4	1
60	Fluorescence enhancement in an over-etched gold zero-mode waveguide. <i>Optics Express</i> , 2019 , 27, 19003-19018	3.3	18
59	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 765-775	4.3	11
58	Preclinical assessment of histone deacetylase inhibitor quisinostat as a therapeutic agent against esophageal squamous cell carcinoma. <i>Investigational New Drugs</i> , 2019 , 37, 616-624	4.3	7
57	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7683-7693	8.9	6
56	Soil nitrogen fractions under long-term crop rotations in the Loess Plateau of China. <i>Soil and Tillage Research</i> , 2019 , 186, 42-51	6.5	10
55	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> , 2019 , 269, 116-124	5.7	14
54	An analysis of query-agnostic sampling for interactive data exploration. <i>Communications in Statistics - Theory and Methods</i> , 2018 , 47, 3820-3837	0.5	1
53	Comparison of the effectiveness of four Budyko-based methods in attributing long-term changes in actual evapotranspiration. <i>Scientific Reports</i> , 2018 , 8, 12665	4.9	20
52	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	1.2	2
51	Power quality assessment in real shipboard microgrid systems under unbalanced and harmonic AC bus voltage 2018 ,		4

50	Attribution analysis of the spatial variations in potential evapotranspiration on the Loess Plateau of China by a total differential equation 2018 , 49, 1902-1914		2
49	Straw mulching increases precipitation storage rather than water use efficiency and dryland winter wheat yield. <i>Agricultural Water Management</i> , 2018 , 206, 95-101	5.9	23
48	Flexible Power Regulation and Current-Limited Control of the Grid-Connected Inverter Under Unbalanced Grid Voltage Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7425-7432	8.9	113
47	Determination of groundwater recharge mechanism in the deep loessial unsaturated zone by environmental tracers. <i>Science of the Total Environment</i> , 2017 , 586, 827-835	10.2	66
46	Two ultraviolet radiation datasets that cover China. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 805-815	2.9	12
45	Overexpression of CaMKII impairs behavioral flexibility and NMDAR-dependent long-term depression in the dentate gyrus. <i>Neuropharmacology</i> , 2017 , 116, 270-287	5.5	5
44	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> , 2017 , 53, 270-282	5.4	40
43	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> , 2017 , 21, 1515-1526	5.5	56
42	Soil Carbon Fractions in Response to Long-Term Crop Rotations in the Loess Plateau of China. <i>Soil Science Society of America Journal</i> , 2017 , 81, 503-513	2.5	15
41	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> , 2017 , 17, 221-228	1.4	8
40	A power sharing method based on modified droop control for modular UPS 2017 ,		1
39	Impact of the voltage dips in shipboard microgrid power systems 2017 ,		3
38	Separating the impacts of climate change and land surface alteration on runoff reduction in the Jing River catchment of China. <i>Catena</i> , 2016 , 147, 80-86	5.8	40
37	Toothbrushing, Blood Glucose and HbA1c: Findings from a Random Survey in Chinese Population. <i>Scientific Reports</i> , 2016 , 6, 28824	4.9	7
36	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> , 2016 , 138, 157-171	4.5	24
35	Spring maize yield, soil water use and water use efficiency under plastic film and straw mulches in the Loess Plateau. <i>Scientific Reports</i> , 2016 , 6, 38995	4.9	22
34	Evolution of potential evapotranspiration in the northern Loess Plateau of China: recent trends and climatic drivers. <i>International Journal of Climatology</i> , 2016 , 36, 4019-4028	3.5	30
33	Enhanced power quality and minimized peak current control in an inverter based microgrid under unbalanced grid faults 2016 ,		7

32	Establishment and application of spring maize yield to evapotranspiration boundary function in the Loess Plateau of China. <i>Agricultural Water Management</i> , 2016 , 178, 345-349	5.9	15
31	Flexible Control Strategy for Grid-Connected Inverter Under Unbalanced Grid Faults Without PLL. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1773-1778	7.2	94
30	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> , 2015 , 178, 486-498	2.3	40
29	Spatiotemporal analysis of potential evapotranspiration in the Changwu tableland from 1957 to 2012. <i>Meteorological Applications</i> , 2015 , 22, 586-591	2.1	11
28	NDVI Variation and Its Responses to Climate Change on the Northern Loess Plateau of China from 1998 to 2012. <i>Advances in Meteorology</i> , 2015 , 2015, 1-10	1.7	42
27	Multispectral image fusion based on joint sparse subspace recovery. <i>Journal of Applied Remote Sensing</i> , 2015 , 9, 095068	1.4	7
26	Groundwater depletion in the Hai River Basin, China, from in situ and GRACE observations. <i>Hydrological Sciences Journal</i> , 2015 , 60, 671-687	3.5	37
25	AIDE. <i>Proceedings of the VLDB Endowment</i> , 2015 , 8, 1964-1967	3.1	3
24	Control strategy for microgrid inverter under unbalanced grid voltage conditions 2014 ,		1
23	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> , 2014 , 106, 1169-1178	2.2	28
22	The land use changes and its relationship with topographic factors in the Jing river catchment on the Loess Plateau of China. <i>SpringerPlus</i> , 2013 , 2, S3		8
21	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> , 2013 , 68, 821-8	2.2	21
20	Verification of land surface evapotranspiration estimation from remote sensing spatial contextual information. <i>Hydrological Processes</i> , 2012 , 26, 2283-2293	3.3	16
19	Winter wheat grain yield associated with precipitation distribution under long-term nitrogen fertilization in the semiarid Loess Plateau in China. <i>Geoderma</i> , 2012 , 189-190, 442-450	6.7	92
18	Salivary and serum interleukin-18 in patients with oral lichen planus: a study in an ethnic Chinese population. <i>Inflammation</i> , 2012 , 35, 399-404	5.1	19
17	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> , 2012 , 353, 321-332	4.2	42
16	Effects of phosphorus on crop water and nitrogen use efficiency under different precipitation year in dryland 2011 ,		1
15	Soil temperature and moisture sensitivities of soil CO ₂ efflux before and after tillage in a wheat field of Loess Plateau, China. <i>Journal of Environmental Sciences</i> , 2011 , 23, 79-86	6.4	19

14	Responses of soil water balance and precipitation storage efficiency to increased fertilizer application in winter wheat. <i>Plant and Soil</i> , 2011 , 347, 41-51	4.2	49
13	Seasonal dynamics of soil CO ₂ efflux in a conventional tilled wheat field of the Loess Plateau, China. <i>Ecological Research</i> , 2011 , 26, 735-743	1.9	10
12	Soil water dynamics and deep soil recharge in a record wet year in the southern Loess Plateau of China. <i>Agricultural Water Management</i> , 2010 , 97, 1133-1138	5.9	95
11	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> , 2010 , 53, 710-720	4.6	23
10	Association of interleukin-8 gene polymorphisms and haplotypes with oral lichen planus in a Chinese population. <i>Inflammation</i> , 2010 , 33, 76-81	5.1	31
9	Impacts of fertilizer practices on environmental risk of nitrate in semiarid farmlands in the Loess Plateau of China. <i>Plant and Soil</i> , 2010 , 330, 1-13	4.2	34
8	Water-deficit and high temperature affected water use efficiency and arabinoxylan concentration in spring wheat. <i>Journal of Cereal Science</i> , 2010 , 52, 263-269	3.8	46
7	Synthesis and biological evaluation of 1H-benzimidazol-5-ols as potent HBV inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 7230-3	2.9	16
6	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> , 2010 , 39, 37-49	0	
5	IFN-gamma and IL-4 in saliva of patients with oral lichen planus: a study in an ethnic Chinese population. <i>Inflammation</i> , 2009 , 32, 176-81	5.1	42
4	Nitrous oxide emissions from an apple orchard soil in the semiarid Loess Plateau of China. <i>Biology and Fertility of Soils</i> , 2009 , 46, 37-44	6.1	26
3	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> , 2008 , 4, 33-36	2.1	12
2	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> , 2007 , 251, 65-81	3.9	209
1	Vegetation dynamics and climate seasonality jointly control the interannual catchment water balance in the Loess Plateau under the Budyko framework		3