

Weiguang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

3,830
citations

101496

36
h-index

133188

59
g-index

94
all docs

94
docs citations

94
times ranked

4915
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous response of global precipitation concentration to global warming. <i>International Journal of Climatology</i> , 2021, 41, E2347.	1.5	16
2	Quantitative Research on the Influence of Urbanization of Land Types on Evapotranspiration in Arid Areas. <i>The National Academy of Sciences, India</i> , 2021, 44, 419-421.	0.8	1
3	A two-stage partitioning monthly model and assessment of its performance on runoff modeling. <i>Journal of Hydrology</i> , 2021, 592, 125829.	2.3	5
4	Investigations of Graphene and Nitrogen-Doped Graphene Enhanced Polycaprolactone 3D Scaffolds for Bone Tissue Engineering. <i>Nanomaterials</i> , 2021, 11, 929.	1.9	13
5	Hydrological Modeling in Water Cycle Processes. <i>Water (Switzerland)</i> , 2021, 13, 1882.	1.2	0
6	A concise review on the role of selenium for bone cancer applications. <i>Bone</i> , 2021, 149, 115974.	1.4	11
7	Quantifying the relative contribution of climate variability and human activities impacts on baseflow dynamics in the Tarim River Basin, Northwest China. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100853.	1.0	10
8	Estimation of Evapotranspiration and Its Components across China Based on a Modified Priestley-Taylor Algorithm Using Monthly Multi-Layer Soil Moisture Data. <i>Remote Sensing</i> , 2021, 13, 3118.	1.8	6
9	Simulating the Climatic Effects of Irrigation Over China by Using the WRF-Noah Model System With Mosaic Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034428.	1.2	10
10	The climatic effects of irrigation over the middle and lower reaches of the Yangtze River, China. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108550.	1.9	8
11	Multiple sources of uncertainties in satellite retrieval of terrestrial actual evapotranspiration. <i>Journal of Hydrology</i> , 2021, 601, 126642.	2.3	18
12	In vivo investigation of 3D printed polycaprolactone/graphene electro-active bone scaffolds. <i>Bioprinting</i> , 2021, 24, e00164.	2.9	17
13	Evaluating the Drought-Monitoring Utility of GPM and TRMM Precipitation Products over Mainland China. <i>Remote Sensing</i> , 2021, 13, 4153.	1.8	9
14	The response of reference evapotranspiration to climate change in Xinjiang, China: Historical changes, driving forces, and future projections. <i>International Journal of Climatology</i> , 2020, 40, 235-254.	1.5	38
15	Adaptation of paddy rice in China to climate change: The effects of shifting sowing date on yield and irrigation water requirement. <i>Agricultural Water Management</i> , 2020, 228, 105890.	2.4	79
16	Evaporative fraction and its application in estimating daily evapotranspiration of water-saving irrigated rice field. <i>Journal of Hydrology</i> , 2020, 584, 124317.	2.3	15
17	Influence of mature El Niño-Southern Oscillation phase on seasonal precipitation and streamflow in the Yangtze River Basin, China. <i>International Journal of Climatology</i> , 2020, 40, 3885-3905.	1.5	20
18	Assessment of climate change impact on the water footprint in rice production: Historical simulation and future projections at two representative rice cropping sites of China. <i>Science of the Total Environment</i> , 2020, 709, 136190.	3.9	38

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19	Modeling rice evapotranspiration under water-saving irrigation condition: Improved canopy-resistance-based. <i>Journal of Hydrology</i> , 2020, 590, 125435.	2.3	19
20	Highly swelling pH-responsive microgels for dual mode near infra-red fluorescence reporting and imaging. <i>Nanoscale Advances</i> , 2020, 2, 4261-4271.	2.2	8
21	Carbon Nanomaterials for Electro-Active Structures: A Review. <i>Polymers</i> , 2020, 12, 2946.	2.0	17
22	Towards quantification of the national water footprint in rice production of China: A first assessment from the perspectives of single-double rice. <i>Science of the Total Environment</i> , 2020, 739, 140032.	3.9	18
23	Heat Wave Variations Across China Tied to Global SST Modes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031612.	1.2	21
24	Vegetation response to precipitation anomalies under different climatic and biogeographical conditions in China. <i>Scientific Reports</i> , 2020, 10, 830.	1.6	84
25	Engineering the biological performance of hierarchical nanostructured poly(ϵ -caprolactone) scaffolds for bone tissue engineering. <i>CIRP Annals - Manufacturing Technology</i> , 2020, 69, 217-220.	1.7	6
26	New approaches for addressing challenges in large-scale surface and ground water hydrology. , 2020, , ,		0
27	Assessment of PCL/carbon material scaffolds for bone regeneration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 93, 52-60.	1.5	53
28	On the lower bound of Budyko curve: The influence of precipitation seasonality. <i>Journal of Hydrology</i> , 2019, 570, 292-303.	2.3	25
29	Runoff Predicting and Variation Analysis in Upper Ganjiang Basin under Projected Climate Changes. <i>Sustainability</i> , 2019, 11, 5885.	1.6	8
30	Exploring the water-“energy”-food nexus from a perspective of agricultural production efficiency using a three-stage data envelopment analysis modelling evaluation method: a case study of the middle and lower reaches of the Yangtze River, China. <i>Water Policy</i> , 2019, 21, 49-72.	0.7	24
31	Satellite retrieval of actual evapotranspiration in the Tibetan Plateau: Components partitioning, multidecadal trends and dominated factors identifying. <i>Journal of Hydrology</i> , 2018, 559, 471-485.	2.3	63
32	Can China achieve food security through the development of irrigation?. <i>Regional Environmental Change</i> , 2018, 18, 465-475.	1.4	33
33	3D-Printed Poly(ϵ -caprolactone)/Graphene Scaffolds Activated with P1-Latex Protein for Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , 2018, 5, 127-137.	1.4	33
34	Soil degassing during watering: An overlooked soil N ₂ O emission process. <i>Environmental Pollution</i> , 2018, 242, 257-263.	3.7	5
35	Responses of phosphorus use efficiency to human interference and climate change in the middle and lower reaches of the Yangtze River: Historical simulation and future projections. <i>Journal of Cleaner Production</i> , 2018, 201, 403-415.	4.6	15
36	Hydrological projections of future climate change over the source region of Yellow River and Yangtze River in the Tibetan Plateau: A comprehensive assessment by coupling RegCM4 and VIC model. <i>Hydrological Processes</i> , 2018, 32, 2096-2117.	1.1	38

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37	Estimating Net Irrigation Requirements of Winter Wheat across Central-Eastern China under Present and Future Climate Scenarios. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, 05018005.	0.6	4
38	Hybrid Additive Manufacturing System for Zonal Plasma-Treated Scaffolds. <i>3D Printing and Additive Manufacturing</i> , 2018, 5, 205-213.	1.4	9
39	Projecting the potential evapotranspiration by coupling different formulations and input data reliabilities: The possible uncertainty source for climate change impacts on hydrological regime. <i>Journal of Hydrology</i> , 2017, 555, 298-313.	2.3	22
40	Modeling spatial and temporal variability of the impact of climate change on rice irrigation water requirements in the middle and lower reaches of the Yangtze River, China. <i>Agricultural Water Management</i> , 2017, 193, 89-101.	2.4	68
41	Bayesian multi-model projection of irrigation requirement and water use efficiency in three typical rice plantation region of China based on CMIP5. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 89-105.	1.9	62
42	Enhancing the Hydrophilicity and Cell Attachment of 3D Printed PCL/Graphene Scaffolds for Bone Tissue Engineering. <i>Materials</i> , 2016, 9, 992.	1.3	230
43	Using a Kalman Filter to Assimilate TRMM-Based Real-Time Satellite Precipitation Estimates over Jinghe Basin, China. <i>Remote Sensing</i> , 2016, 8, 899.	1.8	6
44	Periodic fluctuation of reference evapotranspiration during the past five decades: Does Evaporation Paradox really exist in China?. <i>Scientific Reports</i> , 2016, 6, 39503.	1.6	47
45	Statistical downscaling of reference evapotranspiration in Haihe River Basin: applicability assessment and application to future projection. <i>Hydrological Sciences Journal</i> , 2016, , 1-13.	1.2	0
46	Characterizing the Seasonal Changing Patterns of Hydrological Variables in the East River, Southern China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	8
47	The analytical derivation of multiple elasticities of runoff to climate change and catchment characteristics alteration. <i>Journal of Hydrology</i> , 2016, 541, 1042-1056.	2.3	79
48	Spatial and temporal distribution characteristics of reference evapotranspiration trends in Karst area: a case study in Guizhou Province, China. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 677-688.	0.9	25
49	Morphological, mechanical and biological assessment of PCL/pristine graphene scaffolds for bone regeneration. <i>International Journal of Bioprinting</i> , 2016, 2, .	1.7	38
50	Medium Range Daily Reference Evapotranspiration Forecasting by Using ANN and Public Weather Forecasts. <i>Water Resources Management</i> , 2015, 29, 3863-3876.	1.9	42
51	Development of Disulfiram-Loaded Poly(Lactic-co-Glycolic Acid) Wafers for the Localised Treatment of Glioblastoma Multiforme: A Comparison of Manufacturing Techniques. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1076-1086.	1.6	10
52	Proper methods and its calibration for estimating reference evapotranspiration using limited climatic data in Southwestern China. <i>Archives of Agronomy and Soil Science</i> , 2015, 61, 415-426.	1.3	20
53	How large are uncertainties in future projection of reference evapotranspiration through different approaches?. <i>Journal of Hydrology</i> , 2015, 524, 696-700.	2.3	49
54	Spatial and temporal variations in hydro-climatic variables and runoff in response to climate change in the Luanhe River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1117-1133.	1.9	31

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55	Hindcasting the effects of climate change on rice yields, irrigation requirements, and water productivity. <i>Paddy and Water Environment</i> , 2015, 13, 81-89.	1.0	19
56	Hot melt extruded and injection moulded disulfiram-loaded PLGA millirods for the treatment of glioblastoma multiforme via stereotactic injection. <i>International Journal of Pharmaceutics</i> , 2015, 494, 73-82.	2.6	23
57	Disulfiram-loaded immediate and extended release vaginal tablets for the localised treatment of cervical cancer. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 189-198.	1.2	21
58	Liposome encapsulated Disulfiram inhibits NF κ B pathway and targets breast cancer stem cells <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2014, 5, 7471-7485.	0.8	103
59	Plasma Membrane Calcium ATPase Isoform 4 Inhibits Vascular Endothelial Growth Factor-Mediated Angiogenesis Through Interaction With Calcineurin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2310-2320.	1.1	41
60	Closure to Estimating the Effects of Climatic Variability and Human Activities on Streamflow in the Hutuo River Basin, China by Shizhang Peng, Wanxin Liu, Weiguang Wang, Quanxi Shao, Xiyun Jiao, Zhongbo Yu, Wanqiu Xing, Junzeng Xu, Zengxin Zhang, and Yufeng Luo. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 836-839.	0.8	4
61	Changes of reference evapotranspiration in the Haihe River Basin: Present observations and future projection from climatic variables through multi-model ensemble. <i>Global and Planetary Change</i> , 2014, 115, 1-15.	1.6	53
62	Multimodel ensemble projections of future climate extreme changes in the Haihe River Basin, China. <i>Theoretical and Applied Climatology</i> , 2014, 118, 405-417.	1.3	12
63	Responses of rice yield, irrigation water requirement and water use efficiency to climate change in China: Historical simulation and future projections. <i>Agricultural Water Management</i> , 2014, 146, 249-261.	2.4	85
64	Development of disulfiram-loaded vaginal rings for the localised treatment of cervical cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 945-953.	2.0	32
65	Disulfiram targeting lymphoid malignant cell lines via ROS-JNK activation as well as Nrf2 and NF- κ B pathway inhibition. <i>Journal of Translational Medicine</i> , 2014, 12, 163.	1.8	81
66	Quantitative assessment of the impact of climate variability and human activities on runoff changes: a case study in four catchments of the Haihe River basin, China. <i>Hydrological Processes</i> , 2013, 27, 1158-1174.	1.1	265
67	Characterizing the changing behaviours of precipitation concentration in the Yangtze River Basin, China. <i>Hydrological Processes</i> , 2013, 27, 3375-3393.	1.1	79
68	<i>Zanthoxylum usambarense</i> (Engl.) Kokwaro (Rutaceae) Extracts Inhibit the Growth of the Breast Cancer Cell Lines MDA-MB-231 and MCF7, But Not the Brain Tumour Cell Line U251 <i>In Vitro</i> . <i>Phytotherapy Research</i> , 2013, 27, 787-790.	2.8	11
69	Changes in reference evapotranspiration across the Tibetan Plateau: Observations and future projections based on statistical downscaling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4049-4068.	1.2	88
70	How could a drug used to treat alcoholism also be effective against glioblastoma?. <i>Expert Review of Anticancer Therapy</i> , 2013, 13, 239-241.	1.1	14
71	Changes in daily temperature and precipitation extremes in the Yellow River Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 401-421.	1.9	93
72	Triptolide, a Chinese herbal extract, enhances drug sensitivity of resistant myeloid leukemia cell lines through downregulation of HIF-1 α and Nrf2. <i>Pharmacogenomics</i> , 2013, 14, 1305-1317.	0.6	35

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73	Prediction of daily reference evapotranspiration by a multiple regression method based on weather forecast data. Archives of Agronomy and Soil Science, 2013, 59, 1487-1501.	1.3	6
74	First evaluation of the climatological calibration algorithm in the real-time TMPA precipitation estimates over two basins at high and low latitudes. Water Resources Research, 2013, 49, 2461-2472.	1.7	47
75	Statistical Uncertainty Estimation Using Random Forests and Its Application to Drought Forecast. Mathematical Problems in Engineering, 2012, 2012, 1-12.	0.6	49
76	Disruption of the interaction between PMCA2 and calcineurin triggers apoptosis and enhances paclitaxel-induced cytotoxicity in breast cancer cells. Carcinogenesis, 2012, 33, 2362-2368.	1.3	39
77	shRNA-Mediated BAALC knockdown affects proliferation and apoptosis in human acute myeloid leukemia cells. Hematology, 2012, 17, 35-40.	0.7	16
78	Reference evapotranspiration change and the causes across the Yellow River Basin during 1957-2008 and their spatial and seasonal differences. Water Resources Research, 2012, 48, .	1.7	110
79	INTEGRATED IRRIGATION AND DRAINAGE PRACTICES TO ENHANCE WATER PRODUCTIVITY AND REDUCE POLLUTION IN A RICE PRODUCTION SYSTEM. Irrigation and Drainage, 2012, 61, 285-293.	0.8	27
80	Statistical downscaling of extreme daily precipitation, evaporation, and temperature and construction of future scenarios. Hydrological Processes, 2012, 26, 3510-3523.	1.1	65
81	Statistical downscaling of extremes of precipitation and temperature and construction of their future scenarios in an elevated and cold zone. Stochastic Environmental Research and Risk Assessment, 2012, 26, 405-418.	1.9	43
82	Spatial and Temporal Characteristics of Reference Evapotranspiration Trends in the Haihe River Basin, China. Journal of Hydrologic Engineering - ASCE, 2011, 16, 239-252.	0.8	67
83	Changes of climate extremes in a typical arid zone: Observations and multimodel ensemble projections. Journal of Geophysical Research, 2011, 116, .	3.3	53
84	Disulfiram/copper complex activated JNK/c-jun pathway and sensitized cytotoxicity of doxorubicin in doxorubicin resistant leukemia HL60 cells. Blood Cells, Molecules, and Diseases, 2011, 47, 264-269.	0.6	42
85	Spatial and temporal characteristics of changes in precipitation during 1957-2007 in the Haihe River basin, China. Stochastic Environmental Research and Risk Assessment, 2011, 25, 881-895.	1.9	56
86	Endothelial nitric oxide synthase activity is inhibited by the plasma membrane calcium ATPase in human endothelial cells. Cardiovascular Research, 2010, 87, 440-448.	1.8	46
87	Simultaneous detection of MDR1 and WT1 gene expression to predict the prognosis of adult acute lymphoblastic leukemia. Hematology, 2010, 15, 74-80.	0.7	10
88	Disulfiram/copper complex inhibiting NF- κ B activity and potentiating cytotoxic effect of gemcitabine on colon and breast cancer cell lines. Cancer Letters, 2010, 290, 104-113.	3.2	112
89	Triptolide simultaneously induces reactive oxygen species, inhibits NF- κ B activity and sensitizes 5-fluorouracil in colorectal cancer cell lines. Cancer Letters, 2010, 291, 200-208.	3.2	44
90	APRIL is a novel clinical chemo-resistance biomarker in colorectal adenocarcinoma identified by gene expression profiling. BMC Cancer, 2009, 9, 434.	1.1	27

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91	The interaction between endogenous calcineurin and the plasma membrane calcium-dependent ATPase is isoform specific in breast cancer cells. <i>FEBS Letters</i> , 2007, 581, 4115-4119.	1.3	31
92	Mechanisms of acquired chemoresistance to 5-fluorouracil and tomudex: thymidylate synthase dependent and independent networks. <i>Cancer Chemotherapy and Pharmacology</i> , 2007, 59, 839-845.	1.1	39
93	Mechanistic and Predictive Profiling of 5-Fluorouracil Resistance in Human Cancer Cells. <i>Cancer Research</i> , 2004, 64, 8167-8176.	0.4	102
94	Disulfiram-mediated inhibition of NF- κ B activity enhances cytotoxicity of 5-fluorouracil in human colorectal cancer cell lines. <i>International Journal of Cancer</i> , 2003, 104, 504-511.	2.3	206