

Pute Wu

List of Publications by Year in descending order

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160
papers

5,579
citations

57758

44
h-index

118850

62
g-index

164
all docs

164
docs citations

164
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating grain virtual water flow in China: Patterns and drivers from a socio-hydrology perspective. <i>Journal of Hydrology</i> , 2022, 606, 127412.	5.4	10
2	Sloping land use affects the complexity of soil moisture and temperature changes in the loess hilly region of China. <i>PLoS ONE</i> , 2022, 17, e0262445.	2.5	1
3	Water Footprints, Intra-National Virtual Water Flows, and Associated Sustainability Related to Pork Production and Consumption: A Case for China. <i>Water Resources Research</i> , 2022, 58, .	4.2	9
4	Spatiotemporal heterogeneities in water and land appropriations related to food losses and waste in China. <i>Environmental Research Letters</i> , 2022, 17, 054020.	5.2	2
5	Impacts of Interspecific Interactions on Crop Growth and Yield in Wheat (<i>Triticum aestivum</i> L.)/Maize (<i>Zea mays</i> L.) Strip Intercropping under Different Water and Nitrogen Levels. <i>Agronomy</i> , 2022, 12, 951.	3.0	4
6	A global drought dataset of standardized moisture anomaly index incorporating snow dynamics (SZI<sub>snow</sub>) and its application in identifying large-scale drought events. <i>Earth System Science Data</i> , 2022, 14, 2259-2278.	9.9	3
7	Vertical variation in shallow and deep soil moisture in an apple orchard in the loess hilly-gully area of north China. <i>Soil Use and Management</i> , 2021, 37, 595-606.	4.9	4
8	Effectiveness of a subsurface irrigation system with ceramic emitters under low-pressure conditions. <i>Agricultural Water Management</i> , 2021, 243, 106390.	5.6	12
9	A quantitative review of water footprint accounting and simulation for crop production based on publications during 2002-2018. <i>Ecological Indicators</i> , 2021, 120, 106962.	6.3	34
10	Mulching Measures Improve Soil Moisture in Rain-Fed Jujube (<i>Ziziphus jujuba</i> Mill.) Orchards in the Loess Hilly Region of China. <i>Sustainability</i> , 2021, 13, 610.	3.2	8
11	Physical versus economic water footprints in crop production: a spatial and temporal analysis for China. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 169-191.	4.9	13
12	Simulation of the virtual water flow pattern associated with interprovincial grain trade and its impact on water resources stress in China. <i>Journal of Cleaner Production</i> , 2021, 288, 125670.	9.3	23
13	The impact of urbanization and aging on food security in developing countries: The view from Northwest China. <i>Journal of Cleaner Production</i> , 2021, 292, 126067.	9.3	56
14	The economic-environmental trade-off of growing apple trees in the drylands of China: A conceptual framework for sustainable intensification. <i>Journal of Cleaner Production</i> , 2021, 296, 126497.	9.3	28
15	Clogging formation and an anti-clogging method in subsurface irrigation system with porous ceramic emitter. <i>Agricultural Water Management</i> , 2021, 250, 106770.	5.6	13
16	Subsurface irrigation with ceramic emitters: An effective method to improve apple yield and irrigation water use efficiency in the semiarid Loess Plateau. <i>Agriculture, Ecosystems and Environment</i> , 2021, 313, 107404.	5.3	26
17	Comparison of the root-soil water relationship of two typical revegetation species along a precipitation gradient on the Loess Plateau. <i>Environmental Research Letters</i> , 2021, 16, 064054.	5.2	5
18	Water footprints of irrigated crop production and meteorological driving factors at multiple temporal scales. <i>Agricultural Water Management</i> , 2021, 255, 107014.	5.6	13

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19	Environmental impact of grain virtual water flows in China: From 1997 to 2014. <i>Agricultural Water Management</i> , 2021, 256, 107127.	5.6	11
20	Quantitative evaluation of spatial scale effects on regional water footprint in crop production. <i>Resources, Conservation and Recycling</i> , 2021, 173, 105709.	10.8	11
21	Evaluation of the water consumption of animal products and the virtual water flow pattern associated with interprovincial trade in China. <i>Journal of Cleaner Production</i> , 2021, , 129599.	9.3	6
22	Yield, yield attributes and photosynthetic physiological characteristics of dryland wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.1	33
23	Comparisons of spray characteristics between vertical impact and turbine drive sprinklersâ€”A case study of the 50PYC and HY50 big gun-type sprinklers. <i>Agricultural Water Management</i> , 2020, 228, 105847.	5.6	21
24	Target areas for harmonizing the Grain for Green Programme in China's Loess Plateau. <i>Land Degradation and Development</i> , 2020, 31, 325-333.	3.9	37
25	New challenges of food security in Northwest China: Water footprint and virtual water perspective. <i>Journal of Cleaner Production</i> , 2020, 245, 118939.	9.3	59
26	Age- and climate- related water use patterns of apple trees on Chinaâ€™s Loess Plateau. <i>Journal of Hydrology</i> , 2020, 582, 124462.	5.4	41
27	New problems of food security in Northwest China: A sustainability perspective. <i>Land Degradation and Development</i> , 2020, 31, 975-989.	3.9	28
28	Hydraulic performance and parameter optimisation of a microporous ceramic emitter using computational fluid dynamics, artificial neural network and multi-objective genetic algorithm. <i>Biosystems Engineering</i> , 2020, 189, 11-23.	4.3	17
29	Effect of the fodder species canola (<i>Brassica napus</i> L.) and daylily (<i>Hemerocallis fulva</i> L.) on soil physical properties and soil water content in a rainfed orchard on the semiarid Loess Plateau, China. <i>Plant and Soil</i> , 2020, 453, 209-228.	3.7	19
30	Rainwater collection and infiltration (RWCI) systems promote deep soil water and organic carbon restoration in water-limited sloping orchards. <i>Agricultural Water Management</i> , 2020, 242, 106400.	5.6	19
31	Water Footprint Study Review for Understanding and Resolving Water Issues in China. <i>Water (Switzerland)</i> , 2020, 12, 2988.	2.7	11
32	Recovery growth and water use of intercropped maize following wheat harvest in wheat/maize relay strip intercropping. <i>Field Crops Research</i> , 2020, 256, 107924.	5.1	21
33	Spatiotemporal variations and developments of water footprints of pig feeding and pork production in China (2004â€“2013). <i>Agriculture, Ecosystems and Environment</i> , 2020, 297, 106932.	5.3	24
34	Evaluating drivers and flow patterns of inter-provincial grain virtual water trade in China. <i>Science of the Total Environment</i> , 2020, 732, 139251.	8.0	24
35	Coupling evapotranspiration partitioning with water migration to identify the water consumption characteristics of wheat and maize in an intercropping system. <i>Agricultural and Forest Meteorology</i> , 2020, 290, 108034.	4.8	34
36	An effective method for improving the permeation flux of a ceramic membrane: Single-matrix spherical ceramic membrane. <i>Journal of Hazardous Materials</i> , 2020, 400, 123183.	12.4	14

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37	Drought responses of profile plant-available water and fine-root distributions in apple (<i>Malus pumila</i>) Tj ETQq1 1 0.784314 rgBT /Overbo 137739.	8.0	41
38	Impact of conservation practices on soil hydrothermal properties and crop water use efficiency in a dry agricultural region of the tibetan plateau. <i>Soil and Tillage Research</i> , 2020, 200, 104619.	5.6	20
39	Sloping Land Use Affects Soil Moisture and Temperature in the Loess Hilly Region of China. <i>Agronomy</i> , 2020, 10, 774.	3.0	2
40	Efficiency and sustainability of inter-provincial crop-related virtual water transfers in China. <i>Advances in Water Resources</i> , 2020, 138, 103560.	3.8	29
41	Drivers of domestic grain virtual water flow: A study for China. <i>Agricultural Water Management</i> , 2020, 239, 106175.	5.6	25
42	Study on Permeability Stability of Sand-Based Microporous Ceramic Filter Membrane. <i>Materials</i> , 2019, 12, 2161.	2.9	9
43	Water for maize for pigs for pork: An analysis of inter-provincial trade in China. <i>Water Research</i> , 2019, 166, 115074.	11.3	45
44	Determining Regional-Scale Groundwater Recharge with GRACE and GLDAS. <i>Remote Sensing</i> , 2019, 11, 154.	4.0	47
45	The Cognitive Framework of the Interaction between the Physical and Virtual Water and the Strategies for Sustainable Coupling Management. <i>Sustainability</i> , 2019, 11, 2567.	3.2	7
46	Application of Updated Sageâ€™Husa Adaptive Kalman Filter in the Navigation of a Translational Sprinkler Irrigation Machine. <i>Water (Switzerland)</i> , 2019, 11, 1269.	2.7	16
47	Ceramic patch type subsurface drip irrigation line: Construction and hydraulic properties. <i>Biosystems Engineering</i> , 2019, 182, 29-37.	4.3	17
48	Deep soil water extraction by apple sequesters organic carbon via root biomass rather than altering soil organic carbon content. <i>Science of the Total Environment</i> , 2019, 670, 662-671.	8.0	76
49	The tradeoff between soil erosion protection and water consumption in revegetation: Evaluation of new indicators and influencing factors. <i>Geoderma</i> , 2019, 347, 32-39.	5.1	18
50	Effect of Soil Texture on Water Movement of Porous Ceramic Emitters: A Simulation Study. <i>Water (Switzerland)</i> , 2019, 11, 22.	2.7	17
51	Land Use Affects Soil Moisture Response to Dramatic Shortâ€™Term Rainfall Events in a Hillslope Catchment of the Chinese Loess Plateau. <i>Agronomy Journal</i> , 2019, 111, 1506-1515.	1.8	11
52	Impacts of future climate and agricultural landâ€™use changes on regional agricultural water use in a large irrigation district of northwest China. <i>Land Degradation and Development</i> , 2019, 30, 1158-1171.	3.9	10
53	Assessing Chinaâ€™s agricultural water use efficiency in a green-blue water perspective: A study based on data envelopment analysis. <i>Ecological Indicators</i> , 2019, 96, 329-335.	6.3	77
54	Monthly blue water footprint caps in a river basin to achieve sustainable water consumption: The role of reservoirs. <i>Science of the Total Environment</i> , 2019, 650, 891-899.	8.0	26

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55	Savings and losses of global water resources in food-related virtual water trade. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1320.	6.5	62
56	Testing of observation operators designed to estimate profile soil moisture from surface measurements. <i>Hydrological Processes</i> , 2019, 33, 575-584.	2.6	15
57	Water mining from the deep critical zone by apple trees growing on loess. <i>Hydrological Processes</i> , 2019, 33, 320-327.	2.6	96
58	Effects of varied water regimes on root development and its relations with soil water under wheat/maize intercropping system. <i>Plant and Soil</i> , 2019, 439, 113-130.	3.7	36
59	Effects of water collection and mulching combinations on water infiltration and consumption in a semiarid rainfed orchard. <i>Journal of Hydrology</i> , 2018, 558, 432-441.	5.4	49
60	Identifying a suitable revegetation technique for soil restoration on water-limited and degraded land: Considering both deep soil moisture deficit and soil organic carbon sequestration. <i>Geoderma</i> , 2018, 319, 61-69.	5.1	106
61	Quantitative study of the crop production water footprint using the SWAT model. <i>Ecological Indicators</i> , 2018, 89, 1-10.	6.3	65
62	Analysis of kinetic energy distribution of big gun sprinkler applied to continuous moving hose-drawn traveler. <i>Agricultural Water Management</i> , 2018, 201, 118-132.	5.6	30
63	Assessment of the Effects of Climate Change on Evapotranspiration with an Improved Elasticity Method in a Nonhumid Area. <i>Sustainability</i> , 2018, 10, 4589.	3.2	5
64	Estimation of Actual Evapotranspiration in a Semiarid Region Based on GRACE Gravity Satellite Data—A Case Study in Loess Plateau. <i>Remote Sensing</i> , 2018, 10, 2032.	4.0	5
65	Vegetative filter strips—Effect of vegetation type and shape of strip on runoff and sediment trapping. <i>Land Degradation and Development</i> , 2018, 29, 3917-3927.	3.9	7
66	Exotic shrub species (<i>Caragana korshinskii</i>) is more resistant to extreme natural drought than native species (<i>Artemisia gmelinii</i>) in a semiarid revegetated ecosystem. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 207-216.	4.8	57
67	Prediction of flow characteristics and risk assessment of deep percolation by ceramic emitters in loam. <i>Journal of Hydrology</i> , 2018, 566, 901-909.	5.4	26
68	Application Rate Influences the Soil and Water Conservation Effectiveness of Mulching with Chipped Branches. <i>Soil Science Society of America Journal</i> , 2018, 82, 447-454.	2.2	12
69	The Temporal-Spatial Characteristics of Drought in the Loess Plateau Using the Remote-Sensed TRMM Precipitation Data from 1998 to 2014. <i>Remote Sensing</i> , 2018, 10, 838.	4.0	47
70	Extreme natural drought enhances interspecific facilitation in semiarid agroforestry systems. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 444-453.	5.3	52
71	Soil Water Content and Root Patterns in a Rainfed Jujube Plantation across Stand Ages on the Loess Plateau of China. <i>Land Degradation and Development</i> , 2017, 28, 207-216.	3.9	50
72	Remote monitoring system for agricultural information based on wireless sensor network. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan</i> , 2017, 40, 75-81.	1.1	18

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73	Effect of plant cover type on soil water budget and tree photosynthesis in jujube orchards. <i>Agricultural Water Management</i> , 2017, 184, 135-144.	5.6	15
74	Spatial distribution of soil moisture and fine roots in rain-fed apple orchards employing a Rainwater Collection and Infiltration (RWCI) system on the Loess Plateau of China. <i>Agricultural Water Management</i> , 2017, 184, 170-177.	5.6	54
75	Effect of pulsating pressure on labyrinth emitter clogging. <i>Irrigation Science</i> , 2017, 35, 267-274.	2.8	26
76	Dynamics of runoff and sediment trapping performance of vegetative filter strips: Run-on experiments and modeling. <i>Science of the Total Environment</i> , 2017, 593-594, 54-64.	8.0	31
77	Temporal and spatial evolution of the standardized precipitation evapotranspiration index (SPEI) in the Loess Plateau under climate change from 2001 to 2050. <i>Science of the Total Environment</i> , 2017, 595, 191-200.	8.0	142
78	Actual ET modelling based on the Budyko framework and the sustainability of vegetation water use in the loess plateau. <i>Science of the Total Environment</i> , 2017, 579, 1550-1559.	8.0	57
79	Border row effects on light interception in wheat/maize strip intercropping systems. <i>Field Crops Research</i> , 2017, 214, 1-13.	5.1	57
80	Soil water effects of agroforestry in rainfed jujube (<i>Ziziphus jujube</i> Mill.) orchards on loess hillslopes in Northwest China. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 343-351.	5.3	52
81	Simulation of soil water movement under subsurface irrigation with porous ceramic emitter. <i>Agricultural Water Management</i> , 2017, 192, 244-256.	5.6	33
82	Sensitivity of crop water productivity to the variation of agricultural and climatic factors: A study of Hetao irrigation district, China. <i>Journal of Cleaner Production</i> , 2017, 142, 2562-2569.	9.3	33
83	A comprehensive analysis of blue water scarcity from the production, consumption, and water transfer perspectives. <i>Ecological Indicators</i> , 2017, 72, 870-880.	6.3	60
84	Impact of Future Climate Change on Regional Crop Water Requirement—A Case Study of Hetao Irrigation District, China. <i>Water (Switzerland)</i> , 2017, 9, 429.	2.7	37
85	Integrating a mini catchment with mulching for soil water management in a sloping jujube orchard on the semiarid Loess Plateau of China. <i>Solid Earth</i> , 2016, 7, 167-175.	2.8	23
86	Evaluation of Soil Water Availability (SWA) Based on Hydrological Modelling in Arid and Semi-Arid Areas: A Case Study in Handan City, China. <i>Water (Switzerland)</i> , 2016, 8, 360.	2.7	3
87	Simulation Study of the Impact of Permanent Groundcover on Soil and Water Changes in Jujube Orchards on Sloping Ground. <i>Land Degradation and Development</i> , 2016, 27, 946-954.	3.9	25
88	Spatial and temporal trends in climatic variables in arid areas of northwest China. <i>International Journal of Climatology</i> , 2016, 36, 4118-4129.	3.5	12
89	Application of neural network and grey relational analysis in ranking the factors affecting runoff and sediment yield under simulated rainfall. <i>Soil Research</i> , 2016, 54, 291.	1.1	10
90	The Effects of Long-term Fertiliser Applications on Soil Organic Carbon and Hydraulic Properties of a Loess Soil in China. <i>Land Degradation and Development</i> , 2016, 27, 60-67.	3.9	36

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91	Simulated Study on Effects of Ground Managements on Soil Water and Available Nutrients in Jujube Orchards. <i>Land Degradation and Development</i> , 2016, 27, 35-42.	3.9	52
92	Effects of virtual water flow on regional water resources stress: A case study of grain in China. <i>Science of the Total Environment</i> , 2016, 550, 871-879.	8.0	76
93	Sustainability assessment of regional water resources under the DPSIR framework. <i>Journal of Hydrology</i> , 2016, 532, 140-148.	5.4	161
94	Effects of large gullies on catchment-scale soil moisture spatial behaviors: A case study on the Loess Plateau of China. <i>Geoderma</i> , 2016, 261, 1-10.	5.1	62
95	Comprehensive evaluation of water use in agricultural production: a case study in Hetao Irrigation District, China. <i>Journal of Cleaner Production</i> , 2016, 112, 4569-4575.	9.3	45
96	Comparison between sprinkler irrigation and natural rainfall based on droplet diameter. <i>Spanish Journal of Agricultural Research</i> , 2016, 14, e1201.	0.6	13
97	Development and evaluation of a physically based multiscalar drought index: The Standardized Moisture Anomaly Index. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,575.	3.3	59
98	Alleviating Pressure on Water Resources: A new approach could be attempted. <i>Scientific Reports</i> , 2015, 5, 14006.	3.3	16
99	Soil Quality Indicators in Relation to Land Use and Topography in a Small Catchment on the Loess Plateau of China. <i>Land Degradation and Development</i> , 2015, 26, 54-61.	3.9	106
100	Survey on Water-saving Agricultural Internet of Things based on Wireless Sensor Network. <i>International Journal of Control and Automation</i> , 2015, 8, 229-240.	0.3	15
101	Catchment-scale variability of absolute versus temporal anomaly soil moisture: Time-invariant part not always plays the leading role. <i>Journal of Hydrology</i> , 2015, 529, 1669-1678.	5.4	23
102	Radiation interception and utilization by wheat/maize strip intercropping systems. <i>Agricultural and Forest Meteorology</i> , 2015, 204, 58-66.	4.8	71
103	An evaluation of the water utilization and grain production of irrigated and rain-fed croplands in China. <i>Science of the Total Environment</i> , 2015, 529, 10-20.	8.0	73
104	Evaluation of crop production, trade, and consumption from the perspective of water resources: A case study of the Hetao irrigation district, China, for 1960–2010. <i>Science of the Total Environment</i> , 2015, 505, 1174-1181.	8.0	39
105	Inter-county virtual water flows of the Hetao irrigation district, China: A new perspective for water scarcity. <i>Journal of Arid Environments</i> , 2015, 119, 31-40.	2.4	22
106	Water productivity evaluation for grain crops in irrigated regions of China. <i>Ecological Indicators</i> , 2015, 55, 107-117.	6.3	28
107	Water use and crop coefficient of the wheat–maize strip intercropping system for an arid region in northwestern China. <i>Agricultural Water Management</i> , 2015, 161, 77-85.	5.6	26
108	Effects of water limitation on yield advantage and water use in wheat (<i>Triticum aestivum</i> L.)/maize (<i>Zea mays</i> L.) intercropping system in an arid region of Northwest China. <i>Journal of Arid Environments</i> , 2015, 119, 1-10.	4.1	51

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109	Effects of soil managements on surface runoff and soil water content in jujube orchard under simulated rainfalls. <i>Catena</i> , 2015, 135, 193-201.	5.0	17
110	Maizeâ€“Soybean Intercropping Interactions Above and Below Ground. <i>Crop Science</i> , 2014, 54, 914-922.	1.8	61
111	Assessing the spatial and temporal variation of the rainwater harvesting potential (1971-2010) on the Chinese Loess Plateau using the VIC model. <i>Hydrological Processes</i> , 2014, 28, 534-544.	2.6	39
112	Comparison of classification methods for the divisions of wet/dry climate regions in Northwest China. <i>International Journal of Climatology</i> , 2014, 34, 2163-2174.	3.5	13
113	Spatiotemporal analysis of climate variability (1971â€“2010) in spring and summer on the Loess Plateau, China. <i>Hydrological Processes</i> , 2014, 28, 1689-1702.	2.6	32
114	EFFECTS OF LAND USE ON SOIL MOISTURE VARIATIONS IN A SEMIâ€“ARID CATCHMENT: IMPLICATIONS FOR LAND AND AGRICULTURAL WATER MANAGEMENT. <i>Land Degradation and Development</i> , 2014, 25, 163-172.	3.9	125
115	Runoff features of pasture and crop slopes at different rainfall intensities, antecedent moisture contents and gradients on the Chinese Loess Plateau: A solution of rainfall simulation experiments. <i>Catena</i> , 2014, 119, 90-96.	5.0	31
116	GANN models for reference evapotranspiration estimation developed with weather data from different climatic regions. <i>Theoretical and Applied Climatology</i> , 2014, 116, 481-489.	2.8	21
117	Changes in key driving forces of soil erosion in the Middle Yellow River Basin: vegetation and climate. <i>Natural Hazards</i> , 2014, 70, 957-968.	3.4	11
118	Effects of permanent ground cover on soil moisture in jujube orchards under sloping ground: A simulation study. <i>Agricultural Water Management</i> , 2014, 138, 68-77.	5.6	27
119	The dynamic effects of pastures and crop on runoff and sediments reduction at loess slopes under simulated rainfall conditions. <i>Catena</i> , 2014, 119, 1-7.	5.0	59
120	Statistical analyses and controls of root-zone soil moisture in a large gully of the Loess Plateau. <i>Environmental Earth Sciences</i> , 2014, 71, 4801-4809.	2.7	16
121	Dry/wet climate zoning and delimitation of arid areas of Northwest China based on a data-driven fashion. <i>Journal of Arid Land</i> , 2014, 6, 287-299.	2.3	25
122	Water Footprint of Grain Product in Irrigated Farmland of China. <i>Water Resources Management</i> , 2014, 28, 2213-2227.	3.9	39
123	A framework of indicator system for zoning of agricultural water and land resources utilization: A case study of Bayan Nur, Inner Mongolia. <i>Ecological Indicators</i> , 2014, 40, 43-50.	6.3	31
124	Effects of vegetation cover of natural grassland on runoff and sediment yield in loess hilly region of China. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 497-503.	3.5	26
125	Impacts of changing cropping pattern on virtual water flows related to crops transfer: a case study for the Hetao irrigation district, China. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 2992-3000.	3.5	26
126	Growth, yield, and nitrogen use in the wheat/maize intercropping system in an arid region of northwestern China. <i>Field Crops Research</i> , 2014, 167, 19-30.	5.1	64

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127	The effect of the crystallization of oxidation-derived SiO ₂ on the properties of porous Si ₃ N ₄ /SiO ₂ ceramics synthesized by oxidation. <i>Ceramics International</i> , 2014, 40, 4897-4902.	4.8	17
128	Water Footprint Symposium: where next for water footprint and water assessment methodology?. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1561-1565.	4.7	13
129	Changes of soil hydraulic properties under early-stage natural vegetation recovering on the Loess Plateau of China. <i>Catena</i> , 2014, 113, 386-391.	5.0	56
130	Fabrication and properties of porous Si ₃ N ₄ /SiO ₂ ceramics with dense surface and gradient pore distribution. <i>Ceramics International</i> , 2014, 40, 5079-5084.	4.8	16
131	Meteorological drought over the Chinese Loess Plateau: 1971-2010. <i>Natural Hazards</i> , 2013, 67, 951-961.	3.4	21
132	Effects of rainfall intensity, underlying surface and slope gradient on soil infiltration under simulated rainfall experiments. <i>Catena</i> , 2013, 104, 93-102.	5.0	153
133	Hydraulic design procedure for drip irrigation submain unit based on relative flow difference. <i>Irrigation Science</i> , 2013, 31, 1065-1073.	2.8	12
134	A drought hazard assessment index based on the VIC-PDSI model and its application on the Loess Plateau, China. <i>Theoretical and Applied Climatology</i> , 2013, 114, 125-138.	2.8	25
135	Variation of soil infiltrability across a 79-year chronosequence of naturally restored grassland on the Loess Plateau, China. <i>Journal of Hydrology</i> , 2013, 504, 94-103.	5.4	58
136	Properties of porous alumina ceramics prepared by technique combining cold-drying and sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 437-441.	3.8	17
137	Effect of foaming pressure on the properties of porous Si ₃ N ₄ ceramic fabricated by a technique combining foaming and pressureless sintering. <i>Scripta Materialia</i> , 2013, 68, 877-880.	5.2	15
138	Estimation of spatial soil moisture averages in a large gully of the Loess Plateau of China through statistical and modeling solutions. <i>Journal of Hydrology</i> , 2013, 486, 466-478.	5.4	52
139	Changes in vegetation condition in areas with different gradients (1980-2010) on the Loess Plateau, China. <i>Environmental Earth Sciences</i> , 2013, 68, 2427-2438.	2.7	105
140	The impacts of interannual climate variability and agricultural inputs on water footprint of crop production in an irrigation district of China. <i>Science of the Total Environment</i> , 2013, 444, 498-507.	8.0	136
141	Runoff and sediment yield under simulated rainfall on hillslopes in the Loess Plateau of China. <i>Soil Research</i> , 2013, 51, 50.	1.1	39
142	A survey on wireless sensor network infrastructure for agriculture. <i>Computer Standards and Interfaces</i> , 2013, 35, 59-64.	5.4	89
143	Estimating the spatial means and variability of root-zone soil moisture in gullies using measurements from nearby uplands. <i>Journal of Hydrology</i> , 2013, 476, 28-41.	5.4	43
144	Estimating soil moisture in gullies from adjacent upland measurements through different observation operators. <i>Journal of Hydrology</i> , 2013, 486, 420-429.	5.4	14

#	ARTICLE	IF	CITATIONS
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