

Shuai Wang

List of Publications by Year in descending order

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Version: 2024-02-01

194
papers

12,687
citations

31976

53
h-index

28297

105
g-index

198
all docs

198
docs citations

198
times ranked

10195
citing authors

#	ARTICLE	IF	CITATIONS
1	When adaptive learning is effective learning: comparison of an adaptive learning system to teacher-led instruction. <i>Interactive Learning Environments</i> , 2023, 31, 793-803.	6.4	37
2	Threshold of vapour pressure deficit constraint on light use efficiency varied with soil water content. <i>Ecohydrology</i> , 2022, 15, e2305.	2.4	6
3	Response of net reduction rate in vegetation carbon uptake to climate change across a unique gradient zone on the Tibetan Plateau. <i>Environmental Research</i> , 2022, 203, 111894.	7.5	20
4	Effect of dislocation pattern on the magnetic domain structure of pure polycrystalline Ni. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1896-1900.	5.8	3
5	An evaluation of a first-of-its-kind hybrid law degree program. <i>Journal of Computing in Higher Education</i> , 2022, , 1-28.	6.1	0
6	Encouraging impacts of an Open Education Resource Degree Initiative on college students' progress to degree. <i>Higher Education</i> , 2022, 84, 1089-1106.	4.4	7
7	Dislocation evolution in copper in the absence and presence of hydrogen. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 842, 143082.	5.6	1
8	A Review on Carbon Source and Sink in Arable Land Ecosystems. <i>Land</i> , 2022, 11, 580.	2.9	15
9	Responses and feedbacks of African dryland ecosystems to environmental changes. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 29-35.	6.3	16
10	Improve forest restoration initiatives to meet Sustainable Development Goal 15. <i>Nature Ecology and Evolution</i> , 2021, 5, 10-13.	7.8	69
11	Integrating vegetation suitability in sustainable revegetation for the Loess Plateau, China. <i>Science of the Total Environment</i> , 2021, 759, 143572.	8.0	30
12	Improving representation of collective memory in socio-hydrological models and new insights into flood risk management. <i>Journal of Flood Risk Management</i> , 2021, 14, e12679.	3.3	15
13	Detecting land degradation in Southern Africa using Time Series Segment and Residual Trend (TSS-RESTREND). <i>Journal of Arid Environments</i> , 2021, 184, 104314.	2.4	14
14	Quantifying responses of net primary productivity to agricultural expansion in drylands. <i>Land Degradation and Development</i> , 2021, 32, 2050-2060.	3.9	13
15	A coupled human-natural system analysis of water yield in the Yellow River basin, China. <i>Science of the Total Environment</i> , 2021, 762, 143141.	8.0	30
16	Achieving a fit between social and ecological systems in drylands for sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 53-58.	6.3	16
17	Orientation dependence of dislocation structure in surface grain of pure copper deformed in tension. <i>Acta Materialia</i> , 2021, 203, 116474.	7.9	15
18	Multilevel analysis of factors affecting participants' land reconversion willingness after the Grain for Green Program. <i>Ambio</i> , 2021, 50, 1394-1403.	5.5	12

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19	Rapid increase of potential evapotranspiration weakens the effect of precipitation on aridity in global drylands. <i>Journal of Arid Environments</i> , 2021, 186, 104414.	2.4	19
20	Spatial variation and influencing factors of the effectiveness of afforestation in China's Loess Plateau. <i>Science of the Total Environment</i> , 2021, 771, 144904.	8.0	36
21	Blind restoration of solar images via the Channel Sharing Spatio-temporal Network. <i>Astronomy and Astrophysics</i> , 2021, 652, A50.	5.1	4
22	Response of vegetation to drought in the Tibetan Plateau: Elevation differentiation and the dominant factors. <i>Agricultural and Forest Meteorology</i> , 2021, 306, 108468.	4.8	47
23	Effect of Mo doping on the gaseous hydrogen embrittlement of a CoCrNi medium-entropy alloy. <i>Corrosion Science</i> , 2021, 189, 109628.	6.6	19
24	Is the runoff coefficient increasing or decreasing after ecological restoration on China's Loess Plateau?. <i>International Soil and Water Conservation Research</i> , 2021, 9, 333-343.	6.5	30
25	Runoff sensitivity increases with land use/cover change contributing to runoff decline across the middle reaches of the Yellow River basin. <i>Journal of Hydrology</i> , 2021, 600, 126536.	5.4	16
26	On the fracture process of intermediate temperature embrittlement of pure copper in electrical-assisted tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141979.	5.6	4
27	Integrating multiple influencing factors in evaluating the socioeconomic effects of payments for ecosystem services. <i>Ecosystem Services</i> , 2021, 51, 101348.	5.4	22
28	Inconsistent changes in NPP and LAI determined from the parabolic LAI versus NPP relationship. <i>Ecological Indicators</i> , 2021, 131, 108134.	6.3	24
29	Grid-Based Whole Trajectory Clustering in Road Networks Environment. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-20.	1.2	0
30	Applying statistical methods to map soil organic carbon of agricultural lands in northeastern coastal areas of China. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 532-544.	2.6	13
31	Representation of biodiversity and ecosystem services in East Africa's protected area network. <i>Ambio</i> , 2020, 49, 245-257.	5.5	18
32	Estimation of Global Grassland Net Ecosystem Carbon Exchange Using a Model Tree Ensemble Approach. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005034.	3.0	16
33	A retrospective analysis on changes in sediment flux in the Mississippi River system: trends, driving forces, and implications. <i>Journal of Soils and Sediments</i> , 2020, 20, 1719-1729.	3.0	15
34	Ecosystem service provision of grain legume and cereal intercropping in Africa. <i>Agricultural Systems</i> , 2020, 178, 102761.	6.1	49
35	Examining discourse structures in Chinese and U.S. elementary mathematics classes. <i>International Journal of Educational Research</i> , 2020, 99, 101493.	2.2	2
36	Embrittlement of 316L stainless steel in electropulsing treatment. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10669-10678.	5.8	13

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37	Evolution and effects of the social-ecological system over a millennium in China's Loess Plateau. <i>Science Advances</i> , 2020, 6, .	10.3	105
38	Identifying priority biophysical indicators for promoting food-energy-water nexus within planetary boundaries. <i>Resources, Conservation and Recycling</i> , 2020, 163, 105102.	10.8	19
39	A Synthesizing Land-cover Classification Method Based on Google Earth Engine: A Case Study in Nzhelele and Levuvu Catchments, South Africa. <i>Chinese Geographical Science</i> , 2020, 30, 397-409.	3.0	27
40	A multiple importance-satisfaction analysis framework for the sustainable management of protected areas: Integrating ecosystem services and basic needs. <i>Ecosystem Services</i> , 2020, 46, 101219.	5.4	30
41	Reversal of the sediment load increase in the Amazon basin influenced by divergent trends of sediment transport from the Solimões and Madeira Rivers. <i>Catena</i> , 2020, 195, 104804.	5.0	12
42	Measuring Chinese Middle School Students' Motivation Using the Reduced Instructional Materials Motivation Survey (RIMMS): A Validation Study in the Adaptive Learning Setting. <i>Frontiers in Psychology</i> , 2020, 11, 1803.	2.1	9
43	Sediment transport under increasing anthropogenic stress: Regime shifts within the Yellow River, China. <i>Ambio</i> , 2020, 49, 2015-2025.	5.5	10
44	Impacts of urbanization on soil organic carbon stocks in the northeast coastal agricultural areas of China. <i>Science of the Total Environment</i> , 2020, 721, 137814.	8.0	29
45	Classification-coordination-collaboration: a systems approach for advancing Sustainable Development Goals. <i>National Science Review</i> , 2020, 7, 838-840.	9.5	60
46	Socioeconomic impacts of a protected area in China: An assessment from rural communities of Qianjiangyuan National Park Pilot. <i>Land Use Policy</i> , 2020, 99, 104849.	5.6	24
47	Prediction of the spatial distribution of soil arthropods using a random forest model: A case study in Changtu County, Northeast China. <i>Agriculture, Ecosystems and Environment</i> , 2020, 292, 106818.	5.3	14
48	Comparison between tourists' and inhabitants' willingness to pay for nature in the Tibetan Plateau. <i>Journal of Cleaner Production</i> , 2020, 255, 120219.	9.3	17
49	Predicting Soil Organic Carbon and Soil Nitrogen Stocks in Topsoil of Forest Ecosystems in Northeastern China Using Remote Sensing Data. <i>Remote Sensing</i> , 2020, 12, 1115.	4.0	27
50	Survey of Community Livelihoods and Landscape Change along the Nzhelele and Levuvhu River Catchments in Limpopo Province, South Africa. <i>Land</i> , 2020, 9, 91.	2.9	11
51	Nonlinear dynamics of fires in Africa over recent decades controlled by precipitation. <i>Global Change Biology</i> , 2020, 26, 4495-4505.	9.5	34
52	Multispectral Remote Sensing Data Are Effective and Robust in Mapping Regional Forest Soil Organic Carbon Stocks in a Northeast Forest Region in China. <i>Remote Sensing</i> , 2020, 12, 393.	4.0	10
53	Data, Mark of a New Era. <i>Lecture Notes in Educational Technology</i> , 2020, , 17-35.	0.8	0
54	Identifying Gaps in Use of and Research on Adaptive Learning Systems. , 2020, , .		1

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55	Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene Analysis. <i>Molecular Cell</i> , 2019, 75, 644-660.e5.	9.7	488
56	Spatial-Temporal Changes in Soil Organic Carbon and pH in the Liaoning Province of China: A Modeling Analysis Based on Observational Data. <i>Sustainability</i> , 2019, 11, 3569.	3.2	23
57	Alignment of social and ecological structures increased the ability of river management. <i>Science Bulletin</i> , 2019, 64, 1318-1324.	9.0	27
58	Yellow River water rebalanced by human regulation. <i>Scientific Reports</i> , 2019, 9, 9707.	3.3	53
59	Structure Disentanglement and Effect Analysis of the Arid Riverscape Social-Ecological System Using a Network Approach. <i>Sustainability</i> , 2019, 11, 5159.	3.2	0
60	On the failure of surface damage to assess the hydrogen-enhanced deformation ahead of crack tip in a cyclically loaded austenitic stainless steel. <i>Scripta Materialia</i> , 2019, 166, 102-106.	5.2	16
61	Landscape functional zoning at a county level based on ecosystem services bundle: Methods comparison and management indication. <i>Journal of Environmental Management</i> , 2019, 249, 109315.	7.8	74
62	Slower vegetation greening faced faster social development on the landscape of the Belt and Road region. <i>Science of the Total Environment</i> , 2019, 697, 134103.	8.0	20
63	Pathways from payments for ecosystem services program to socioeconomic outcomes. <i>Ecosystem Services</i> , 2019, 39, 101005.	5.4	29
64	Socio-ecological changes on the Loess Plateau of China after Grain to Green Program. <i>Science of the Total Environment</i> , 2019, 678, 565-573.	8.0	154
65	Simulated weightlessness procedure, head-down bed rest impairs adult neurogenesis in the hippocampus of rhesus macaque. <i>Molecular Brain</i> , 2019, 12, 46.	2.6	7
66	African dryland ecosystem changes controlled by soil water. <i>Land Degradation and Development</i> , 2019, 30, 1564-1573.	3.9	18
67	Assessment of the impact of hydrogen on the stress developed ahead of a fatigue crack. <i>Acta Materialia</i> , 2019, 174, 181-188.	7.9	19
68	Global Surface Soil Moisture Dynamics in 1979â€”2016 Observed from ESA CCI SM Dataset. <i>Water (Switzerland)</i> , 2019, 11, 883.	2.7	13
69	Unravelling the complexity in achieving the 17 sustainable-development goals. <i>National Science Review</i> , 2019, 6, 386-388.	9.5	245
70	Water use characteristics of native and exotic shrub species in the semi-arid Loess Plateau using an isotope technique. <i>Agriculture, Ecosystems and Environment</i> , 2019, 276, 55-63.	5.3	47
71	A comparative characterization of defect structure in NiCo and NiFe equimolar solid solution alloys under in situ electron irradiation. <i>Scripta Materialia</i> , 2019, 166, 96-101.	5.2	5
72	Vegetation responses and trade-offs with soil-related ecosystem services after shrub removal: A meta-analysis. <i>Land Degradation and Development</i> , 2019, 30, 1219-1228.	3.9	6

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73	Toward Phase and Catalysis Control: Tracking the Formation of Intermetallic Nanoparticles at Atomic Scale. <i>CheM</i> , 2019, 5, 1235-1247.	11.7	45
74	Assessing the integrity of soil erosion in different patch covers in semi-arid environment. <i>Journal of Hydrology</i> , 2019, 571, 71-86.	5.4	16
75	Effect of cultivation history on soil organic carbon status of arable land in northeastern China. <i>Geoderma</i> , 2019, 342, 55-64.	5.1	33
76	Vulnerability assessment of the global water erosion tendency: Vegetation greening can partly offset increasing rainfall stress. <i>Land Degradation and Development</i> , 2019, 30, 1061-1069.	3.9	23
77	Temporal and Spatial Changes of Soil Organic Carbon Stocks in the Forest Area of Northeastern China. <i>Forests</i> , 2019, 10, 1023.	2.1	13
78	Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation. <i>Nature Chemical Biology</i> , 2019, 15, 1223-1231.	8.0	57
79	Enumeration of the hydrogen-enhanced localized plasticity mechanism for hydrogen embrittlement in structural materials. <i>Acta Materialia</i> , 2019, 165, 734-750.	7.9	295
80	Exploring responses of lake area to river regulation and implications for lake restoration in arid regions. <i>Ecological Engineering</i> , 2019, 128, 18-26.	3.6	22
81	Mapping the molecular signatures of diet-induced NASH and its regulation by the hepatokine Tsukushi. <i>Molecular Metabolism</i> , 2019, 20, 128-137.	6.5	86
82	Effects of minimum soil disturbance practices on controlling water erosion in China's slope farmland: A meta-analysis. <i>Land Degradation and Development</i> , 2019, 30, 706-716.	3.9	15
83	Quantification of the ecosystem carrying capacity on China's Loess Plateau. <i>Ecological Indicators</i> , 2019, 101, 192-202.	6.3	51
84	Responses of two desert shrubs to simulated rainfall pulses in an arid environment, northwestern China. <i>Plant and Soil</i> , 2019, 435, 239-255.	3.7	7
85	Comparing Likert Scale Functionality Across Culturally and Linguistically Diverse Groups in Science Education Research: an Illustration Using Qatari Students' Responses to an Attitude Toward Science Survey. <i>International Journal of Science and Mathematics Education</i> , 2019, 17, 885-903.	2.5	8
86	Learning from an Adaptive Learning System: Student Profiling among Middle School Students. , 2019, , .		6
87	Learning With Media. <i>Journal of Media Psychology</i> , 2019, 31, 128-136.	1.0	2
88	Mapping total soil nitrogen from a site in northeastern China. <i>Catena</i> , 2018, 166, 134-146.	5.0	43
89	Driving forces and their contribution to the recent decrease in sediment flux to ocean of major rivers in China. <i>Science of the Total Environment</i> , 2018, 634, 534-541.	8.0	40
90	Soil moisture decline following the plantation of Robinia pseudoacacia forests: Evidence from the Loess Plateau. <i>Forest Ecology and Management</i> , 2018, 412, 62-69.	3.2	112

#	ARTICLE	IF	CITATIONS
91	A solution to the conflicts of multiple planning boundaries: Landscape functional zoning in a resource-based city in China. <i>Habitat International</i> , 2018, 77, 43-55.	5.8	26
92	A process-based framework for soil ecosystem services study and management. <i>Science of the Total Environment</i> , 2018, 627, 282-289.	8.0	28
93	The effects of vegetation on runoff and soil loss: Multidimensional structure analysis and scale characteristics. <i>Journal of Chinese Geography</i> , 2018, 28, 59-78.	3.9	112
94	Phf8 histone demethylase deficiency causes cognitive impairments through the mTOR pathway. <i>Nature Communications</i> , 2018, 9, 114.	12.8	47
95	Land use optimization based on ecosystem service assessment: A case study in the Yanhe watershed. <i>Land Use Policy</i> , 2018, 72, 303-312.	5.6	127
96	Effects of urban sprawl on arthropod communities in peri-urban farmed landscape in Shenbei New District, Shenyang, Liaoning Province, China. <i>Scientific Reports</i> , 2018, 8, 101.	3.3	4
97	Balancing community livelihoods and biodiversity conservation of protected areas in East Africa. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 26-33.	6.3	27
98	Effects of revegetation and precipitation gradient on soil carbon and nitrogen variations in deep profiles on the Loess Plateau of China. <i>Science of the Total Environment</i> , 2018, 626, 399-411.	8.0	68
99	Changes in soil organic and inorganic carbon stocks in deep profiles following cropland abandonment along a precipitation gradient across the Loess Plateau of China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 258, 1-13.	5.3	74
100	Variability of <i>Tamarix</i> spp. characteristics in riparian plant communities are affected by soil properties and accessibility of anthropogenic disturbance in the lower reaches of Heihe River, China. <i>Forest Ecology and Management</i> , 2018, 410, 174-186.	3.2	10
101	Role of environmental variables in the spatial distribution of soil carbon (C), nitrogen (N), and C:N ratio from the northeastern coastal agroecosystems in China. <i>Ecological Indicators</i> , 2018, 84, 263-272.	6.3	93
102	Ecological effects and potential risks of the water diversion project in the Heihe River Basin. <i>Science of the Total Environment</i> , 2018, 619-620, 794-803.	8.0	83
103	Spatial variations of soil organic carbon stocks in a coastal hilly area of China. <i>Geoderma</i> , 2018, 314, 8-19.	5.1	39
104	Spatial Consistency Assessments for Global Land-Cover Datasets: A Comparison among GLC2000, CCI LC, MCD12, GLOBCOVER and GLCNMO. <i>Remote Sensing</i> , 2018, 10, 1846.	4.0	63
105	Increasing global vegetation browning hidden in overall vegetation greening: Insights from time-varying trends. <i>Remote Sensing of Environment</i> , 2018, 214, 59-72.	11.0	322
106	Structure, function, and dynamic mechanisms of coupled human-natural systems. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 87-91.	6.3	39
107	Global ecological regionalization: from biogeography to ecosystem services. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 1-8.	6.3	26
108	Vegetation dynamic trends and the main drivers detected using the ensemble empirical mode decomposition method in East Africa. <i>Land Degradation and Development</i> , 2018, 29, 2542-2553.	3.9	27

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109	Landscape change and its drivers: a Southern African perspective. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 80-86.	6.3	14
110	Adaptive Learning Goes to China. <i>Lecture Notes in Computer Science</i> , 2018, , 89-93.	1.3	8
111	Vertical Distributions of Soil Organic Carbon and its Influencing Factors Under Different Land Use Types in the Desert Riparian Zone of Downstream Heihe River Basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7741-7753.	3.3	16
112	Quantifying the effects of human activities and climate variability on vegetation cover change in a hyper-arid endorheic basin. <i>Land Degradation and Development</i> , 2018, 29, 3294-3304.	3.9	38
113	Spatial predictions of the permanent wilting point in arid and semi-arid regions of Northeast China. <i>Journal of Hydrology</i> , 2018, 564, 367-375.	5.4	14
114	Influence of land use change on the ecosystem service trade-offs in the ecological restoration area: Dynamics and scenarios in the Yanhe watershed, China. <i>Science of the Total Environment</i> , 2018, 644, 556-566.	8.0	166
115	Check dam infilling archives elucidate historical sedimentary dynamics in a semiarid landscape of the Loess Plateau, China. <i>Ecological Engineering</i> , 2018, 118, 161-170.	3.6	18
116	Metacoupling supply and demand for soil conservation service. <i>Current Opinion in Environmental Sustainability</i> , 2018, 33, 136-141.	6.3	53
117	Responses of soil ammonia oxidation and ammonia-oxidizing communities to land-use conversion and fertilization in an acidic red soil of southern China. <i>European Journal of Soil Biology</i> , 2017, 80, 110-120.	3.2	18
118	Mechanisms of radiation-induced segregation in CrFeCoNi-based single-phase concentrated solid solution alloys. <i>Acta Materialia</i> , 2017, 126, 182-193.	7.9	133
119	Driving forces of changes in the water and sediment relationship in the Yellow River. <i>Science of the Total Environment</i> , 2017, 576, 453-461.	8.0	102
120	Grassland gross carbon dioxide uptake based on an improved model tree ensemble approach considering human interventions: global estimation and covariation with climate. <i>Global Change Biology</i> , 2017, 23, 2720-2742.	9.5	24
121	Hydrogeomorphic Ecosystem Responses to Natural and Anthropogenic Changes in the Loess Plateau of China. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 223-243.	11.0	607
122	Exploring the effects of the "Grain for Green" program on the differences in soil water in the semi-arid Loess Plateau of China. <i>Ecological Engineering</i> , 2017, 107, 144-151.	3.6	45
123	Ecosystem service trade-offs and their influencing factors: A case study in the Loess Plateau of China. <i>Science of the Total Environment</i> , 2017, 607-608, 1250-1263.	8.0	199
124	Mapping stocks of soil organic carbon and soil total nitrogen in Liaoning Province of China. <i>Geoderma</i> , 2017, 305, 250-263.	5.1	122
125	Influence of hydrogen on dislocation self-organization in Ni. <i>Acta Materialia</i> , 2017, 135, 96-102.	7.9	65
126	River flow is critical for vegetation dynamics: Lessons from multi-scale analysis in a hyper-arid endorheic basin. <i>Science of the Total Environment</i> , 2017, 603-604, 290-298.	8.0	32

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127	Precipitation gradient determines the tradeoff between soil moisture and soil organic carbon, total nitrogen, and species richness in the Loess Plateau, China. <i>Science of the Total Environment</i> , 2017, 575, 1538-1545.	8.0	65
128	Soil Moisture Variations with Land Use along the Precipitation Gradient in the North-South Transect of the Loess Plateau. <i>Land Degradation and Development</i> , 2017, 28, 926-935.	3.9	45
129	Abnormal circadian oscillation of hippocampal MAPK activity and power spectrums in NF1 mutant mice. <i>Molecular Brain</i> , 2017, 10, 29.	2.6	4
130	An integrated probabilistic assessment to analyse stochasticity of soil erosion in different restoration vegetation types. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1491-1514.	4.9	8
131	Spatial-Temporal Changes of Soil Organic Carbon Content in Wafangdian, China. <i>Sustainability</i> , 2016, 8, 1154.	3.2	41
132	Structure Prior Effects in Bayesian Approaches of Quantitative Susceptibility Mapping. <i>BioMed Research International</i> , 2016, 2016, 1-10.	1.9	4
133	Vegetation changes in recent large-scale ecological restoration projects and subsequent impact on water resources in China's Loess Plateau. <i>Science of the Total Environment</i> , 2016, 569-570, 1032-1039.	8.0	218
134	A multilevel analysis of diverse learners playing life science video games: Interactions between game content, learning disability status, reading proficiency, and gender. <i>Journal of Research in Science Teaching</i> , 2016, 53, 324-345.	3.3	31
135	Determining the hydrological responses to climate variability and land use/cover change in the Loess Plateau with the Budyko framework. <i>Science of the Total Environment</i> , 2016, 557-558, 331-342.	8.0	178
136	Comparison of transpiration between different aged black locust (<i>Robinia pseudoacacia</i>) trees on the semi-arid Loess Plateau, China. <i>Journal of Arid Land</i> , 2016, 8, 604-617.	2.3	34
137	Soil moisture temporal stability analysis for typical hilly and gully re-vegetated catchment in the Loess Plateau, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	3
138	Revegetation in China's Loess Plateau is approaching sustainable water resource limits. <i>Nature Climate Change</i> , 2016, 6, 1019-1022.	18.8	1,270
139	Enhanced damage resistance and novel defect structure of CrFeCoNi under in situ electron irradiation. <i>Scripta Materialia</i> , 2016, 125, 5-9.	5.2	62
140	24-hour-restraint stress induces long-term depressive-like phenotypes in mice. <i>Scientific Reports</i> , 2016, 6, 32935.	3.3	64
141	Dental noise exposed mice display depressive-like phenotypes. <i>Molecular Brain</i> , 2016, 9, 50.	2.6	10
142	Developing policy for the Yellow River sediment sustainable control. <i>National Science Review</i> , 2016, 3, 162-164.	9.5	32
143	Advances in hydrological modelling with the Budyko framework. <i>Progress in Physical Geography</i> , 2016, 40, 409-430.	3.2	88
144	Enhancing learning and engagement through embodied interaction within a mixed reality simulation. <i>Computers and Education</i> , 2016, 95, 174-187.	8.3	313

#	ARTICLE	IF	CITATIONS
145	Attitudes toward science among grades 3 through 12 Arab students in Qatar: findings from a cross-sectional national study. <i>International Journal of Science Education</i> , 2016, 38, 621-643.	1.9	49
146	Comparative analysis of annual rings of perennial forbs in the Loess Plateau, China. <i>Dendrochronologia</i> , 2016, 38, 82-89.	2.2	4
147	Effect of hydrogen environment on the separation of Fe grain boundaries. <i>Acta Materialia</i> , 2016, 107, 279-288.	7.9	106
148	Reduced sediment transport in the Yellow River due to anthropogenic changes. <i>Nature Geoscience</i> , 2016, 9, 38-41.	12.9	948
149	Effects of precipitation and restoration vegetation on soil erosion in a semi-arid environment in the Loess Plateau, China. <i>Catena</i> , 2016, 137, 1-11.	5.0	190
150	Linking the soil moisture distribution pattern to dynamic processes along slope transects in the Loess Plateau, China. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 778.	2.7	9
151	Quantifying the impacts of climate change and ecological restoration on streamflow changes based on a <i>Budyko</i> hydrological model in China's Loess Plateau. <i>Water Resources Research</i> , 2015, 51, 6500-6519.	4.2	370
152	Recent advances on hydrogen embrittlement of structural materials. <i>International Journal of Fracture</i> , 2015, 196, 223-243.	2.2	146
153	Development and Large-Scale Validation of an Instrument to Assess Arabic-Speaking Students' Attitudes Toward Science. <i>International Journal of Science Education</i> , 2015, 37, 2637-2663.	1.9	27
154	Temporal stability of surface soil moisture of different vegetation types in the Loess Plateau of China. <i>Catena</i> , 2015, 128, 1-15.	5.0	24
155	Reducing soil erosion by improving community functional diversity in semi-arid grasslands. <i>Journal of Applied Ecology</i> , 2015, 52, 1063-1072.	4.0	81
156	<i>WDFY</i> 1 mediates <i>TLR</i> 3/4 signaling by recruiting <i>TRIF</i> . <i>EMBO Reports</i> , 2015, 16, 447-455.	4.5	65
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