

Sun Peng

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,291
citations

331538

21
h-index

360920

35
g-index

40
all docs

40
docs citations

40
times ranked

1548
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical bi-continuous Pt decorated nanoporous Au-Sn alloy on carbon fiber paper for ascorbic acid, dopamine and uric acid simultaneous sensing. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 191-198.	5.3	121
2	Spatial-temporal precipitation changes (1956–2000) and their implications for agriculture in China. <i>Global and Planetary Change</i> , 2012, 82-83, 86-95.	1.6	104
3	A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. <i>ACS Nano</i> , 2019, 13, 8246-8255.	7.3	86
4	Modified Palmer Drought Severity Index: Model improvement and application. <i>Environment International</i> , 2019, 130, 104951.	4.8	72
5	Attribution of Global Soil Moisture Drying to Human Activities: A Quantitative Viewpoint. <i>Geophysical Research Letters</i> , 2019, 46, 2573-2582.	1.5	72
6	Spatiotemporal properties of droughts and related impacts on agriculture in Xinjiang, China. <i>International Journal of Climatology</i> , 2015, 35, 1254-1266.	1.5	65
7	Double increase in precipitation extremes across China in a 1.5°C/2.0°C warmer climate. <i>Science of the Total Environment</i> , 2020, 746, 140807.	3.9	52
8	Nonparametric Integrated Agrometeorological Drought Monitoring: Model Development and Application. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 73-88.	1.2	48
9	Hydrological effects of climate variability and vegetation dynamics on annual fluvial water balance in global large river basins. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4047-4060.	1.9	48
10	Gold nanoparticle decorated polypyrrole/graphene oxide nanosheets as a modified electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. <i>New Journal of Chemistry</i> , 2020, 44, 4916-4926.	1.4	47
11	Evaluation of Remotely Sensed and Reanalysis Soil Moisture Against In Situ Observations on the Himalayan-Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7132-7148.	1.2	40
12	Multisource Data-Based Integrated Agricultural Drought Monitoring in the Huai River Basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,751.	1.2	38
13	Nonstationarity-based evaluation of flood frequency and flood risk in the Huai River basin, China. <i>Journal of Hydrology</i> , 2018, 567, 393-404.	2.3	36
14	Intensification and Expansion of Soil Moisture Drying in Warm Season Over Eurasia Under Global Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3765-3782.	1.2	35
15	Is Himalayan-Tibetan Plateau "drying"? Historical estimations and future trends of surface soil moisture. <i>Science of the Total Environment</i> , 2019, 658, 374-384.	3.9	35
16	Spatio-temporal patterns of hydrological processes and their responses to human activities in the Poyang Lake basin, China. <i>Hydrological Sciences Journal</i> , 2011, 56, 305-318.	1.2	34
17	A portable micro glucose sensor based on copper-based nanocomposite structure. <i>New Journal of Chemistry</i> , 2019, 43, 7806-7813.	1.4	32
18	Manipulating Interfacial Stability Via Absorption-Competition Mechanism for Long-Lifespan Zn Anode. <i>Nano-Micro Letters</i> , 2022, 14, 31.	14.4	30

#	ARTICLE	IF	CITATIONS
19	The Characteristics and Evaluation of Future Droughts across China through the CMIP6 Multi-Model Ensemble. <i>Remote Sensing</i> , 2022, 14, 1097.	1.8	26
20	A global quantitation of factors affecting evapotranspiration variability. <i>Journal of Hydrology</i> , 2020, 584, 124688.	2.3	25
21	Modified drought severity index: Model improvement and its application in drought monitoring in China. <i>Journal of Hydrology</i> , 2022, 612, 128097.	2.3	24
22	Potential contributions of climate change and urbanization to precipitation trends across China at national, regional and local scales. <i>International Journal of Climatology</i> , 2019, 39, 2998-3012.	1.5	23
23	Global Attribution of Runoff Variance Across Multiple Timescales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13962-13974.	1.2	21
24	The changing nature and projection of floods across Australia. <i>Journal of Hydrology</i> , 2020, 584, 124703.	2.3	16
25	Changing properties of low flow of the Tarim River basin: Possible causes and implications. <i>Quaternary International</i> , 2012, 282, 78-86.	0.7	15
26	Characterization and Evaluation of MODIS-Derived Crop Water Stress Index (CWSI) for Monitoring Drought from 2001 to 2017 over Inner Mongolia. <i>Sustainability</i> , 2021, 13, 916.	1.6	15
27	A Flexible Portable Glucose Sensor Based on Hierarchical Arrays of Au@Cu(OH) ₂ Nanograss. <i>Sensors</i> , 2019, 19, 5055.	2.1	14
28	Snow Cover in the Three Stable Snow Cover Areas of China and Spatio-Temporal Patterns of the Future. <i>Remote Sensing</i> , 2022, 14, 3098.	1.8	13
29	Three-Dimensional Bi-Continuous Nanoporous Gold/Nickel Foam Supported MnO ₂ for High Performance Supercapacitors. <i>Scientific Reports</i> , 2017, 7, 17857.	1.6	12
30	Low Flow Regimes of the Tarim River Basin, China: Probabilistic Behavior, Causes and Implications. <i>Water (Switzerland)</i> , 2018, 10, 470.	1.2	12
31	Hydrological Drought Regimes of the Huai River Basin, China: Probabilistic Behavior, Causes and Implications. <i>Water (Switzerland)</i> , 2019, 11, 2390.	1.2	11
32	In Situ Monitoring Small Energy Storage Change of Electrochromic Supercapacitors via Perovskite Photodetectors. <i>Small Methods</i> , 2020, 4, 1900731.	4.6	11
33	Using Geotagged Social Media Data to Explore Sentiment Changes in Tourist Flow: A Spatiotemporal Analytical Framework. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 135.	1.4	11
34	Hydrological Processes in the Huaihe River Basin, China: Seasonal Variations, Causes and Implications. <i>Chinese Geographical Science</i> , 2018, 28, 636-653.	1.2	7
35	Alleviating concentration polarization: a micro three-electrode interdigitated glucose sensor based on nanoporous gold from a mild process. <i>RSC Advances</i> , 2019, 9, 10465-10472.	1.7	7
36	Significant enhancement in the electrochemical determination of 4-aminophenol from nanoporous gold by decorating with a Pd@CeO ₂ composite film. <i>New Journal of Chemistry</i> , 2020, 44, 3087-3096.	1.4	7

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37	Nonstationary Ecological Instream Flow and Relevant Causes in the Huai River Basin, China. <i>Water</i> (Switzerland), 2021, 13, 484.	1.2	7
38	Temporal and spatial variation characteristics of runoff processes and its causes in Huaihe Basin. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2018, 30, 497-508.	0.3	7
39	Spatiotemporal Patterns of Extreme Temperature across the Huai River Basin, China, during 1961–2014, and Regional Responses to Global Changes. <i>Sustainability</i> , 2018, 10, 1236.	1.6	6
40	Terrestrial Water Storage in China: Spatiotemporal Pattern and Driving Factors. <i>Sustainability</i> , 2019, 11, 6646.	1.6	6