

# 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  | 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        |
| 2  | Manipulating Interfacial Stability Via Absorption-Competition Mechanism for Long-Lifespan Zn Anode. <i>Nano-Micro Letters</i> , 2022, 14, 31.   | 14.4 | 30        |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | Nonstationary Ecological Instream Flow and Relevant Causes in the Huai River Basin, China. <i>Water (Switzerland)</i> , 2021, 13, 484.  | 1.2  | 7         |
| 7  | 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        |
| 8  | In Situ Monitoring Small Energy Storage Change of Electrochromic Supercapacitors via Perovskite Photodetectors. <i>Small Methods</i> , 2020, 4, 1900731.  | 4.6  | 11        |
| 9  | 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        |
| 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 | The changing nature and projection of floods across Australia. <i>Journal of Hydrology</i> , 2020, 584, 124703.   | 2.3  | 16        |
| 12 | A global quantitation of factors affecting evapotranspiration variability. <i>Journal of Hydrology</i> , 2020, 584, 124688.   | 2.3  | 25        |
| 13 | Significant enhancement in the electrochemical determination of 4-aminophenol from nanoporous gold by decorating with a Pd@CeO <sub>2</sub> composite film. <i>New Journal of Chemistry</i> , 2020, 44, 3087-3096.        | 1.4  | 7         |
| 14 | Modified Palmer Drought Severity Index: Model improvement and application. <i>Environment International</i> , 2019, 130, 104951.  | 4.8  | 72        |
| 15 | Global Attribution of Runoff Variance Across Multiple Timescales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13962-13974.   | 1.2  | 21        |
| 16 | Attribution of Global Soil Moisture Drying to Human Activities: A Quantitative Viewpoint. <i>Geophysical Research Letters</i> , 2019, 46, 2573-2582.  | 1.5  | 72        |
| 17 | A Flexible Microsupercapacitor with Integral Photocatalytic Fuel Cell for Self-Charging. <i>ACS Nano</i> , 2019, 13, 8246-8255.   | 7.3  | 86        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | A portable micro glucose sensor based on copper-based nanocomposite structure. <i>New Journal of Chemistry</i> , 2019, 43, 7806-7813.   | 1.4 | 32        |
| 21 | 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         |
| 22 | A Flexible Portable Glucose Sensor Based on Hierarchical Arrays of Au@Cu(OH) <sub>2</sub> Nanograss. <i>Sensors</i> , 2019, 19, 5055.   | 2.1 | 14        |
| 23 | Terrestrial Water Storage in China: Spatiotemporal Pattern and Driving Factors. <i>Sustainability</i> , 2019, 11, 6646.   | 1.6 | 6         |
| 24 | Hydrological Drought Regimes of the Huai River Basin, China: Probabilistic Behavior, Causes and Implications. <i>Water (Switzerland)</i> , 2019, 11, 2390.  | 1.2 | 11        |
| 25 | 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        |
| 26 | 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       |
| 27 | Nonparametric Integrated Agrometeorological Drought Monitoring: Model Development and Application. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 73-88.  | 1.2 | 48        |
| 28 | 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        |
| 29 | 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        |
| 30 | 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         |
| 31 | Low Flow Regimes of the Tarim River Basin, China: Probabilistic Behavior, Causes and Implications. <i>Water (Switzerland)</i> , 2018, 10, 470.  | 1.2 | 12        |
| 32 | 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         |
| 33 | 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        |
| 34 | 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         |
| 35 | Three-Dimensional Bi-Continuous Nanoporous Gold/Nickel Foam Supported MnO <sub>2</sub> for High Performance Supercapacitors. <i>Scientific Reports</i> , 2017, 7, 17857.  | 1.6 | 12        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | 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       |
| 40 | 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        |