

Shiqiang Zhang

List of Publications by Year in descending order

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23
papers

548
citations

623734

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23
all docs

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docs citations

23
times ranked

845
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of plasma catalytic decomposition of methane: role of atomic O and reaction mechanism. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 155204.	2.8	4
2	Globally elevated chemical weathering rates beneath glaciers. <i>Nature Communications</i> , 2022, 13, 407.	12.8	20
3	Prolonged duration and increased severity of agricultural droughts during 1978 to 2016 detected by ESA CCI SM in the humid Yunnan Province, Southwest China. <i>Catena</i> , 2021, 198, 105036.	5.0	15
4	From thermal catalysis to plasma catalysis: a review of surface processes and their characterizations. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 213001.	2.8	16
5	Evaluation of nine precipitation products with ground-based measurements during 2001 to 2013 in alpine Upper Reach of Shule River Basin, northeastern edge of the Tibetan Plateau. <i>Theoretical and Applied Climatology</i> , 2021, 144, 1101-1117.	2.8	11
6	A Review on Snowmelt Models: Progress and Prospect. <i>Sustainability</i> , 2021, 13, 11485.	3.2	19
7	Abundant Precipitation in Qilian Mountains Generated from the Recycled Moisture over the Adjacent Arid Hexi Corridor, Northwest China. <i>Water (Switzerland)</i> , 2021, 13, 3354.	2.7	5
8	Integrated Detection of a Complex Underground Water Supply Pipeline System in an Old Urban Community in China. <i>Sustainability</i> , 2020, 12, 1670.	3.2	8
9	Mechanistic aspects of plasma-enhanced catalytic methane decomposition by time-resolved <i>in operando</i> diffuse reflectance infrared Fourier transform spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 215201.	2.8	12
10	A Comprehensive Evaluation of 4-Parameter Diurnal Temperature Cycle Models with In Situ and MODIS LST over Alpine Meadows in the Tibetan Plateau. <i>Remote Sensing</i> , 2020, 12, 103.	4.0	4
11	Infrared studies of gas phase and surface processes of the enhancement of catalytic methane decomposition by low temperature plasma. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 225201.	2.8	17
12	Performance of Three Reanalysis Precipitation Datasets over the Qinling-Daba Mountains, Eastern Fringe of Tibetan Plateau, China. <i>Advances in Meteorology</i> , 2019, 2019, 1-16.	1.6	19
13	Projected glacier meltwater and river runoff changes in the upper reaches of the Shule River Basin, northeastern edge of the Tibetan Plateau. <i>Hydrological Processes</i> , 2019, 33, 1059-1074.	2.6	21
14	Self-organized patterns by a DC pin liquid anode discharge in ambient air: Effect of liquid types on formation. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	30
15	In vitro Demonstration of Cancer Inhibiting Properties from Stratified Self-Organized Plasma-Liquid Interface. <i>Scientific Reports</i> , 2017, 7, 12163.	3.3	42
16	Temporal Evolution of Regional Drought Detected from GRACE TWSA and CCI SM in Yunnan Province, China. <i>Remote Sensing</i> , 2017, 9, 1124.	4.0	29
17	Spatial Downscaling of Suomi NPP VIIRS Image for Lake Mapping. <i>Water (Switzerland)</i> , 2017, 9, 834.	2.7	9
18	Methodological comparison of alpine meadow evapotranspiration on the Tibetan Plateau, China. <i>PLoS ONE</i> , 2017, 12, e0189059.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of precipitation from CMORPH, GPCP-2, TRMM 3B43, GPCC, and ITPCAS with ground-based measurements in the Qinling-Daba Mountains, China. PLoS ONE, 2017, 12, e0185147.	2.5	24
20	A Comparison of Terrain Indices toward Their Ability in Assisting Surface Water Mapping from Sentinel-1 Data. ISPRS International Journal of Geo-Information, 2017, 6, 140.	2.9	33
21	Surface Water Mapping from Suomi NPP-VIIRS Imagery at 30 m Resolution via Blending with Landsat Data. Remote Sensing, 2016, 8, 631.	4.0	33
22	Evaluation of Satellite and Reanalysis Soil Moisture Products over Southwest China Using Ground-Based Measurements. Remote Sensing, 2015, 7, 15729-15747.	4.0	86
23	Spatially resolved ozone densities and gas temperatures in a time modulated RF driven atmospheric pressure plasma jet: an analysis of the production and destruction mechanisms. Journal Physics D: Applied Physics, 2013, 46, 205202.	2.8	82