Shiqiang Zhang

List of Publications by Year
in descending order

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		394421	434195
33	1,355	19	31
papers	citations	h-index	g-index

33	33	33	1980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detecting, Extracting, and Monitoring Surface Water From Space Using Optical Sensors: A Review. Reviews of Geophysics, 2018, 56, 333-360.	23.0	402
2	Spatial Downscaling of Satellite Soil Moisture Data Using a Vegetation Temperature Condition Index. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 558-566.	6.3	125
3	Evaluation of Satellite and Reanalysis Soil Moisture Products over Southwest China Using Ground-Based Measurements. Remote Sensing, 2015, 7, 15729-15747.	4.0	86
4	Cryospheric Science: research framework and disciplinary system. National Science Review, 2018, 5, 255-268.	9.5	82
5	Glacier runoff variation and its influence on river runoff during 1961â€“2006 in the Tarim River Basin, China. Science China Earth Sciences, 2010, 53, 880-891.	5.2	75
6	Coupling a glacier melt model to the Variable Infiltration Capacity (VIC) model for hydrological modeling in north-western China. Environmental Earth Sciences, 2013, 68, 87-101.	2.7	74
7	Monitoring the glacier changes in the Muztag Ata and Konggur mountains, east Pamirs, based on Chinese Glacier Inventory and recent satellite imagery. Annals of Glaciology, 2006, 43, 79-85.	1.4	55
8	Modeling Hydrologic Response to Climate Change and Shrinking Glaciers in the Highly Glacierized Kunma Like River Catchment, Central Tian Shan. Journal of Hydrometeorology, 2015, 16, 2383-2402.	1.9	51
9	A modified monthly degreeâ€day model for evaluating glacier runoff changes in China. Part I: model development. Hydrological Processes, 2012, 26, 1686-1696.	2.6	36
10	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
11	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
12	A modified MOD16 algorithm to estimate evapotranspiration over alpine meadow on the Tibetan Plateau, China. Journal of Hydrology, 2018, 561, 16-30.	5.4	33
13	Temporal Evolution of Regional Drought Detected from GRACE TWSA and CCI SM in Yunnan Province, China. Remote Sensing, 2017, 9, 1124.	4.0	29
14	Remote estimation of terrestrial evapotranspiration by Landsat 5 TM and the SEBAL model in cold and highâ€altitude regions: a case study of the upper reach of the Shule River Basin, China. Hydrological Processes, 2017, 31, 514-524.	2.6	27
15	Probabilistic River Water Mapping from Landsat-8 Using the Support Vector Machine Method. Remote Sensing, 2020, 12, 1374.	4.0	27
16	A modified monthly degreeâ€day model for evaluating glacier runoff changes in China. Part II: application. Hydrological Processes, 2012, 26, 1697-1706.	2.6	26
17	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
18	Projection of glacier runoff in Yarkant River basin and Beida River basin, Western China. Hydrological Processes, 2012, 26, 2773-2781.	2.6	21

#	Article	IF	Citations
19	Projected glacier meltwater and river runâ€off changes in the <scp>U</scp>pper <scp>R</scp>each of the <scp>S</scp>hule <scp>R</scp>iver <scp>B</scp>asin, northâ€eastern edge of the <scp>T</scp>ibetan <scp>P</scp>lateau. Hydrological Processes, 2019, 33, 1059-1074.	2.6	21
20	Performance of Three Reanalysis Precipitation Datasets over the Qinling-Daba Mountains, Eastern Fringe of Tibetan Plateau, China. Advances in Meteorology, 2019, 2019, 1-16.	1.6	19
21	Prolonged duration and increased severity of agricultural droughts during 1978 to 2016 detected by ESA CCI SM in the humid Yunnan Province, Southwest China. Catena, 2021, 198, 105036.	5.0	15
22	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. Theoretical and Applied Climatology, 2021, 144, 1101-1117.	2.8	11
23	Spatial Downscaling of Suomi NPPâ€"VIIRS Image for Lake Mapping. Water (Switzerland), 2017, 9, 834.	2.7	9
24	Methodological comparison of alpine meadow evapotranspiration on the Tibetan Plateau, China. PLoS ONE, 2017, 12, e0189059.	2.5	9
25	Recent Glacier Mass Balance and Area Changes from DEMs and Landsat Images in Upper Reach of Shule River Basin, Northeastern Edge of Tibetan Plateau during 2000 to 2015. Water (Switzerland), 2018, 10, 796.	2.7	7
26	Accelerated thinning of Hei Valley No. 8 Glacier in the Tianshan Mountains, China. Journal of Earth Science (Wuhan, China), 2013, 24, 1044-1055.	3.2	6
27	Long-term changes in surface soil moisture based on CCI SM in Yunnan Province, Southwestern China. Journal of Hydrology, 2020, 588, 125083.	5.4	5
28	Abundant Precipitation in Qilian Mountains Generated from the Recycled Moisture over the Adjacent Arid Hexi Corridor, Northwest China. Water (Switzerland), 2021, 13, 3354.	2.7	5
29	A Comprehensive Evaluation of 4-Parameter Diurnal Temperature Cycle Models with In Situ and MODIS LST over Alpine Meadows in the Tibetan Plateau. Remote Sensing, 2020, 12, 103.	4.0	4
30	Optimal antenna of ground penetrating radar for depicting the debris thickness and structure of the Koxkar Glacier, Tianshan, China. Journal of Earth Science (Wuhan, China), 2013, 24, 830-842.	3.2	2
31	Estimating the characteristics of runoff inflow into Lake Gojal in ungauged, highly glacierized upper Hunza River Basin, Pakistan. Journal of Earth Science (Wuhan, China), 2013, 24, 234-243.	3.2	2
32	Exploring effects of rainfall intensity on soil erosion at the catchment scale using modified semmed model at the Zuli River Basin, western of loess Plateau, China. , 2012, , .		1
33	Fusing Landsat-8, Sentinel-1, and Sentinel-2 Data for River Water Mapping Using Multidimensional Weighted Fusion Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	0