

Shuang Yi

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,961
citations

361413

20
h-index

361022

35
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46
all docs

46
docs citations

46
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	Lake volume and groundwater storage variations in Tibetan Plateau's endorheic basin. <i>Geophysical Research Letters</i> , 2017, 44, 5550-5560.	4.0	305
2	Response of Tibetan Plateau lakes to climate change: Trends, patterns, and mechanisms. <i>Earth-Science Reviews</i> , 2020, 208, 103269.	9.1	259
3	Regional differences of lake evolution across China during 1960s–2015 and its natural and anthropogenic causes. <i>Remote Sensing of Environment</i> , 2019, 221, 386-404.	11.0	252
4	Extensive and drastically different alpine lake changes on Asia's high plateaus during the past four decades. <i>Geophysical Research Letters</i> , 2017, 44, 252-260.	4.0	223
5	Evaluation of glacier changes in high-mountain Asia based on 10-year GRACE RL05 models. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 2504-2517.	3.4	104
6	An increase in the rate of global mean sea level rise since 2010. <i>Geophysical Research Letters</i> , 2015, 42, 3998-4006.	4.0	77
7	Lake seasonality across the Tibetan Plateau and their varying relationship with regional mass changes and local hydrology. <i>Geophysical Research Letters</i> , 2017, 44, 892-900.	4.0	72
8	Filling the Data Gaps Within GRACE Missions Using Singular Spectrum Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021227.	3.4	62
9	Basin mass dynamic changes in China from GRACE based on a multibasin inversion method. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3782-3803.	3.4	46
10	Crustal anisotropy and deformation of the southeastern margin of the Tibetan Plateau revealed by Pms splitting. <i>Journal of Asian Earth Sciences</i> , 2016, 121, 120-126.	2.3	42
11	The potential of GRACE gravimetry to detect the heavy rainfall-induced impoundment of a small reservoir in the upper Yellow River. <i>Water Resources Research</i> , 2017, 53, 6562-6578.	4.2	39
12	Continuous Estimates of Glacier Mass Balance in High Mountain Asia Based on ICESat-1,2 and GRACE/GRACE Follow-On Data. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090954.	4.0	39
13	Lake water and glacier mass gains in the northwestern Tibetan Plateau observed from multi-sensor remote sensing data: Implication of an enhanced hydrological cycle. <i>Remote Sensing of Environment</i> , 2020, 237, 111554.	11.0	38
14	The changing pattern of lake and its contribution to increased mass in the Tibetan Plateau derived from GRACE and ICESat data. <i>Geophysical Journal International</i> , 2016, 207, 528-541.	2.4	32
15	Acceleration in the Global Mean Sea Level Rise: 2005–2015. <i>Geophysical Research Letters</i> , 2017, 44, 11,905.	4.0	32
16	Identifying and separating climate- and human-driven water storage anomalies using GRACE satellite data. <i>Remote Sensing of Environment</i> , 2021, 263, 112559.	11.0	31
17	Variation of gross primary production, evapotranspiration and water use efficiency for global croplands. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107935.	4.8	30
18	Anthropogenic and climate-driven water depletion in Asia. <i>Geophysical Research Letters</i> , 2016, 43, 9061-9069.	4.0	29

#	ARTICLE	IF	CITATIONS
19	Satellite-observed monthly glacier and snow mass changes in southeast Tibet: implication for substantial meltwater contribution to the Brahmaputra. <i>Cryosphere</i> , 2020, 14, 2267-2281.	3.9	24
20	Changes in Mountain Glaciers, Lake Levels, and Snow Coverage in the Tianshan Monitored by GRACE, ICESat, Altimetry, and MODIS. <i>Remote Sensing</i> , 2016, 8, 798.	4.0	22
21	Precipitation-driven glacier changes in the Pamir and Hindu Kush mountains. <i>Geophysical Research Letters</i> , 2017, 44, 2817-2824.	4.0	22
22	Evaluation of GRACE mascon solutions for small spatial scales and localized mass sources. <i>Geophysical Journal International</i> , 2019, 218, 1307-1321.	2.4	22
23	Large-scale Seasonal Changes in Glacier Thickness Across High Mountain Asia. <i>Geophysical Research Letters</i> , 2017, 44, 10,427.	4.0	20
24	Seasonal trends and cycles of lake-level variations over the Tibetan Plateau using multi-sensor altimetry data. <i>Journal of Hydrology</i> , 2022, 604, 127251.	5.4	20
25	Contemporary Mountain-Building of the Tianshan and its Relevance to Geodynamics Constrained by Integrating GPS and GRACE Measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12171-12188.	3.4	17
26	How fast is the middle-lower crust flowing in eastern Tibet? A constraint from geodetic observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6903-6915.	3.4	16
27	Is it possible that a gravity increase of $20 \times 10^{-8} \text{ m/s}^2$ in southern Tibet comes from a wide-range density increase?. <i>Geophysical Research Letters</i> , 2016, 43, 1481-1486.	4.0	14
28	Consistent interannual changes in glacier mass balance and their relationship with climate variation on the periphery of the Tibetan Plateau. <i>Geophysical Journal International</i> , 2018, 214, 573-582.	2.4	12
29	Characteristics of gravity signal and loading effect in China. <i>Geodesy and Geodynamics</i> , 2015, 6, 280-285.	2.2	10
30	S wave Velocity Structure of the Crust and Upper Mantle Beneath Shanxi Rift, Central North China Craton and its Tectonic Implications. <i>Tectonics</i> , 2021, 40, e2020TC006239.	2.8	10
31	A novel spatial filter to reduce north-south striping noise in GRACE spherical harmonic coefficients. <i>Journal of Geodesy</i> , 2022, 96, 1.	3.6	10
32	Determining dislocation love numbers using GRACE satellite mission gravity data. <i>Geophysical Journal International</i> , 2015, 203, 257-269.	2.4	9
33	The Trend and Seasonal Change of Sediment in the East China Sea Detected by GRACE. <i>Geophysical Research Letters</i> , 2019, 46, 1250-1258.	4.0	9
34	Using GRACE Data to Study the Impact of Snow and Rainfall on Terrestrial Water Storage in Northeast China. <i>Remote Sensing</i> , 2020, 12, 4166.	4.0	6
35	Heterogeneous oceanic mass distribution in GRACE observations and its leakage effect. <i>Geophysical Journal International</i> , 2020, 221, 603-616.	2.4	3
36	Glacial and Tectonic Mass Transportation in High Mountain Asia. <i>Springer Theses</i> , 2019, , 97-139.	0.1	0

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37	Terrestrial Water Storage Changes in Asia. Springer Theses, 2019, , 65-95.	0.1	0