

Zhiyuan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,227
citations

687335

13
h-index

526264

27
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all docs

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docs citations

32
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	Variations in magmatism and the state of tectonic compensation of the Mariana subduction system. <i>Terra Nova</i> , 2022, 34, 20-27.	2.1	3
2	Mechanism of progressive broad deformation from oceanic transform valley to off-transform faulting and rifting. <i>Innovation(China)</i> , 2022, 3, 100193.	9.1	2
3	The effects of plateau subduction on plate bending, stress and intraplate seismicity. <i>Terra Nova</i> , 2022, 34, 113-122.	2.1	4
4	Effects of Hotspot-Induced Long-Wavelength Mantle Melting Variations on Magmatic Segmentation at the Reykjanes Ridge: Insights From 3D Geodynamic Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	2
5	Deep Outer-Rise Faults in the Southern Mariana Subduction Zone Indicated by a Machine-Learning-Based High-Resolution Earthquake Catalog. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
6	Mechanism of the 2017 <i>M</i> _w 6.3 Pasni earthquake and its significance for future major earthquakes in the eastern Makran. <i>Geophysical Journal International</i> , 2022, 231, 1434-1445.	2.4	3
7	Transfer of stress from the 2004 <i>M</i> _w 9.2 Sumatra subduction earthquake promoted widespread seismicity and large strike-slip events in the Wharton Basin. <i>Terra Nova</i> , 2021, 33, 74-85.	2.1	1
8	Spreading rate dependence of morphological characteristics in global oceanic transform faults. <i>Acta Oceanologica Sinica</i> , 2021, 40, 39-64.	1.0	5
9	Variations in melt supply along an orthogonal supersegment of the Southwest Indian Ridge (16°–25°E). <i>Acta Oceanologica Sinica</i> , 2021, 40, 94-104.	1.0	1
10	Dynamic processes of the curved subduction system in Southeast Asia: A review and future perspective. <i>Earth-Science Reviews</i> , 2021, 217, 103647.	9.1	39
11	Three-Dimensional Mantle Flow and Temperature Structure Beneath the Shatsky Rise Ridge-Ridge-Ridge Triple Junction. <i>Journal of Ocean University of China</i> , 2021, 20, 857-865.	1.2	0
12	Upper Mantle Hydration Indicated by Decreased Shear Velocity Near the Southern Mariana Trench From Rayleigh Wave Tomography. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093309.	4.0	17
13	Yield failure of the subducting plate at the Mariana Trench. <i>Tectonophysics</i> , 2021, 814, 228944.	2.2	11
14	Flexural bending curvature and yield zone of subducting plates. <i>International Geology Review</i> , 2020, 62, 859-886.	2.1	5
15	Seismic Structure of a Postspreading Seamount Emplaced on the Fossil Spreading Center in the Southwest Subbasin of the South China Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019827.	3.4	11
16	Determining the Orientation of Ocean-Bottom Seismometers on the Seafloor and Correcting for Polarity Flipping via Polarization Analysis and Waveform Modeling. <i>Seismological Research Letters</i> , 2020, 91, 814-825.	1.9	17
17	Large along-axis variations in magma supply and tectonism of the Southeast Indian Ridge near the Australian-Antarctic Discordance. <i>Acta Oceanologica Sinica</i> , 2020, 39, 118-129.	1.0	0
18	Along-strike variation in slab geometry at the southern Mariana subduction zone revealed by seismicity through ocean bottom seismic experiments. <i>Geophysical Journal International</i> , 2019, 218, 2122-2135.	2.4	31

#	ARTICLE	IF	CITATIONS
19	Mantle upwelling beneath the South China Sea and links to surrounding subduction systems. <i>National Science Review</i> , 2019, 6, 877-881.	9.5	26
20	Deep Seismic Structure Across the Southernmost Mariana Trench: Implications for Arc Rifting and Plate Hydration. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4710-4727.	3.4	24
21	Intra-trench variations in flexural bending of the subducting Pacific Plate along the Tonga-Kermadec Trench. <i>Acta Oceanologica Sinica</i> , 2019, 38, 81-90.	1.0	5
22	Elasto-plastic deformation and plate weakening due to normal faulting in the subducting plate along the Mariana Trench. <i>Tectonophysics</i> , 2018, 734-735, 59-68.	2.2	30
23	Intra- and intertrench variations in flexural bending of the Manila, Mariana and global trenches: implications on plate weakening in controlling trench dynamics. <i>Geophysical Journal International</i> , 2018, 212, 1429-1449.	2.4	32
24	Modeling of normal faulting in the subducting plates of the Tonga, Japan, Izu-Bonin and Mariana Trenches: implications for near-trench plate weakening. <i>Acta Oceanologica Sinica</i> , 2018, 37, 53-60.	1.0	9
25	Mechanism for normal faulting in the subducting plate at the Mariana Trench. <i>Geophysical Research Letters</i> , 2015, 42, 4309-4317.	4.0	44
26	Mantle melting factors and amagmatic crustal accretion of the Gakkel ridge, Arctic Ocean. <i>Acta Oceanologica Sinica</i> , 2015, 34, 42-48.	1.0	2
27	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4958-4983.	2.5	419
28	Variations in oceanic plate bending along the Mariana trench. <i>Earth and Planetary Science Letters</i> , 2014, 401, 206-214.	4.4	46
29	Crustal thickness anomalies in the North Atlantic Ocean basin from gravity analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	55
30	Widespread seismicity excitation throughout central Japan following the 2011 M=9.0 Tohoku earthquake and its interpretation by Coulomb stress transfer. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	137
31	Spreading rate dependence of gravity anomalies along oceanic transform faults. <i>Nature</i> , 2007, 448, 183-187.	27.8	63