Zhiyuan Zhou

List of Publications by Year in descending order

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ΖΗΙΥΠΑΝ ΖΗΟΠ

#	Article	IF	CITATIONS
1	Variations in magmatism and the state of tectonic compensation of the Mariana subduction system. Terra Nova, 2022, 34, 20-27.	2.1	3
2	Mechanism of progressive broad deformation from oceanic transform valley to off-transform faulting and rifting. Innovation(China), 2022, 3, 100193.	9.1	2
3	The effects of plateau subduction on plate bending, stress and intraplate seismicity. Terra Nova, 2022, 34, 113-122.	2.1	4
4	Effects of Hotspotâ€Induced Longâ€Wavelength Mantle Melting Variations on Magmatic Segmentation at the Reykjanes Ridge: Insights From 3D Geodynamic Modeling. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	2
5	Deep Outerâ€Rise Faults in the Southern Mariana Subduction Zone Indicated by a Machineâ€Learningâ€Based Highâ€Resolution Earthquake Catalog. Geophysical Research Letters, 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. Geophysical Journal International, 2022, 231, 1434-1445.	2.4	3
7	Transfer of stress from the 2004 M w9.2 Sumatra subduction earthquake promoted widespread seismicity and large strikeâ€slip events in the Wharton Basin. Terra Nova, 2021, 33, 74-85.	2.1	1
8	Spreading rate dependence of morphological characteristics in global oceanic transform faults. Acta Oceanologica Sinica, 2021, 40, 39-64.	1.0	5
9	Variations in melt supply along an orthogonal supersegment of the Southwest Indian Ridge (16°–25°E). Acta Oceanologica Sinica, 2021, 40, 94-104.	1.0	1
10	Dynamic processes of the curved subduction system in Southeast Asia: A review and future perspective. Earth-Science Reviews, 2021, 217, 103647.	9.1	39
11	Three-Dimensional Mantle Flow and Temperature Structure Beneath the Shatsky Rise Ridge-Ridge-Ridge Triple Junction. Journal of Ocean University of China, 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. Geophysical Research Letters, 2021, 48, e2021GL093309.	4.0	17
13	Yield failure of the subducting plate at the Mariana Trench. Tectonophysics, 2021, 814, 228944.	2.2	11
14	Flexural bending curvature and yield zone of subducting plates. International Geology Review, 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. Journal of Geophysical Research: Solid Earth, 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. Seismological Research Letters, 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. Acta Oceanologica Sinica, 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. Geophysical Journal International, 2019, 218, 2122-2135.	2.4	31

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19	Mantle upwelling beneath the South China Sea and links to surrounding subduction systems. National Science Review, 2019, 6, 877-881.	9.5	26
20	Deep Seismic Structure Across the Southernmost Mariana Trench: Implications for Arc Rifting and Plate Hydration. Journal of Geophysical Research: Solid Earth, 2019, 124, 4710-4727.	3.4	24
21	Intra-trench variations in flexural bending of the subducting Pacific Plate along the Tonga-Kermadec Trench. Acta Oceanologica Sinica, 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. Tectonophysics, 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. Geophysical Journal International, 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. Acta Oceanologica Sinica, 2018, 37, 53-60.	1.0	9
25	Mechanism for normal faulting in the subducting plate at the Mariana Trench. Geophysical Research Letters, 2015, 42, 4309-4317.	4.0	44
26	Mantle melting factors and amagmatic crustal accretion of the Gakkel ridge, Arctic Ocean. Acta Oceanologica Sinica, 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. Geochemistry, Geophysics, Geosystems, 2014, 15, 4958-4983.	2.5	419
28	Variations in oceanic plate bending along the Mariana trench. Earth and Planetary Science Letters, 2014, 401, 206-214.	4.4	46
29	Crustal thickness anomalies in the North Atlantic Ocean basin from gravity analysis. Geochemistry, Geophysics, Geosystems, 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. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	137
31	Spreading rate dependence of gravity anomalies along oceanic transform faults. Nature, 2007, 448, 183-187.	27.8	63