

Weiwei Ding

List of Publications by Year in descending order

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49
papers

1,629
citations

471509

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h-index

302126

39
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all docs

49
docs citations

49
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1377-1399.	3.4	155
3	Seismic stratigraphy and tectonic structure from a composite multi-channel seismic profile across the entire Dangerous Grounds, South China Sea. <i>Tectonophysics</i> , 2013, 582, 162-176.	2.2	103
4	Structures within the oceanic crust of the central South China Sea basin and their implications for oceanic accretionary processes. <i>Earth and Planetary Science Letters</i> , 2018, 488, 115-125.	4.4	97
5	Spreading dynamics and sedimentary process of the Southwest Sub-basin, South China Sea: Constraints from multi-channel seismic data and IODP Expedition 349. <i>Journal of Asian Earth Sciences</i> , 2016, 115, 97-113.	2.3	76
6	Lateral evolution of the rift-to-drift transition in the South China Sea: Evidence from multi-channel seismic data and IODP Expeditions 367&368 drilling results. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115932.	4.4	72
7	Crustal structure of the northwestern sub-basin, South China Sea: Results from a wide-angle seismic experiment. <i>Science China Earth Sciences</i> , 2012, 55, 159-172.	5.2	54
8	An immediate response to the Indian-Eurasian collision along the northeastern Tibetan Plateau: Evidence from apatite fission track analysis in the Kuantan Shan-Hei Shan. <i>Tectonophysics</i> , 2020, 774, 228278.	2.2	53
9	Propagated rifting in the Southwest Sub-basin, South China Sea: Insights from analogue modelling. <i>Journal of Geodynamics</i> , 2016, 100, 71-86.	1.6	49
10	The propagation of seafloor spreading in the southwestern subbasin, South China Sea. <i>Science Bulletin</i> , 2012, 57, 3182-3191.	1.7	44
11	Oligocene–Miocene carbonates in the Reed Bank area, South China Sea, and their tectono-sedimentary evolution. <i>Marine Geophysical Researches</i> , 2015, 36, 149-165.	1.2	42
12	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
13	Arcuate Pamir in the Paleogene? Insights from a review of stratigraphy and sedimentology of the basin fills in the foreland of NE Chinese Pamir, western Tarim Basin. <i>Earth-Science Reviews</i> , 2018, 180, 1-16.	9.1	38
14	The influence of oceanographic processes on contourite features: A multidisciplinary study of the northern South China Sea. <i>Marine Geology</i> , 2019, 415, 105967.	2.1	35
15	Reorganization of sediment dispersal in the Jiuxi Basin at ~17 Ma and its implications for uplift of the NE Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 511, 558-576.	2.3	33
16	The effect of foreland palaeo-uplift on deformation mechanism in the Wupoer fold-and-thrust belt, NE Pamir: Constraints from analogue modelling. <i>Journal of Geodynamics</i> , 2016, 100, 115-129.	1.6	26
17	The Latest Spreading Periods of the South China Sea: New Constraints From Macrostructure Analysis of IODP Expedition 349 Cores and Geophysical Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9980-9998.	3.4	21
18	The velocity structure of a fossil spreading centre in the Southwest Sub-basin, South China Sea. <i>Geological Journal</i> , 2016, 51, 548-561.	1.3	18

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19	Conjugate margin pattern of the Southwest Sub-basin, South China Sea: insights from deformation structures in the continent-ocean transition zone. <i>Geological Journal</i> , 2016, 51, 524-534.	1.3	17
20	Late Mesozoic transition from Andean-type to Western Pacific-type of the East China continental margin—Is the East China Sea basement an allochthonous terrain?. <i>Geological Journal</i> , 2018, 53, 1994-2002.	1.3	17
21	The effect of overburden thickness on deformation mechanisms in the Keping fold-thrust belt, southwestern Chinese Tian Shan Mountains: Insights from analogue modeling. <i>Tectonophysics</i> , 2019, 753, 79-92.	2.2	15
22	Asymmetry in oceanic crustal structure of the South China Sea basin and its implications on mantle geodynamics. <i>International Geology Review</i> , 2020, 62, 840-858.	2.1	15
23	Geodynamic effects of subducted seamount at the Manila Trench: Insights from numerical modeling. <i>Tectonophysics</i> , 2019, 764, 46-61.	2.2	14
24	Asymmetric post-spreading magmatism in the South China Sea: based on the quantification of the volume and its spatiotemporal distribution of the seamounts. <i>International Geology Review</i> , 2020, 62, 955-969.	2.1	14
25	Neogene subsidence pattern in the multi-episodic extension systems: Insights from backstripping modelling of the Okinawa Trough. <i>Marine and Petroleum Geology</i> , 2020, 111, 662-675.	3.3	14
26	Extension Discrepancy of the Hyper-thinned Continental Crust in the Baiyun Rift, Northern Margin of the South China Sea. <i>Tectonics</i> , 2021, 40, e2020TC006547.	2.8	14
27	Cenozoic tectonic subsidence in the southern continental margin, South China Sea. <i>Frontiers of Earth Science</i> , 2017, 11, 427-441.	2.1	13
28	Slab Dehydration and Mantle Upwelling in the Vicinity of the Sumatra Subduction Zone: Evidence from Receiver Function Imaging of Mantle Transition Zone Discontinuities. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019381.	3.4	13
29	Crustal structure and variation in the southwest continental margin of the South China Sea: Evidence from a wide-angle seismic profile. <i>Journal of Asian Earth Sciences</i> , 2020, 203, 104557.	2.3	12
30	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
31	Seismic evidence for the crustal deformation and kinematic evolution of the Nansha Block, South China Sea. <i>Journal of Asian Earth Sciences</i> , 2020, 203, 104536.	2.3	10
32	Sedimentary budget of the Southwest Sub-basin, South China Sea: Controlling factors and geological implications. <i>Geological Journal</i> , 2018, 53, 3082-3092.	1.3	9
33	Delimiting the eastern extent of the Altyn Tagh Fault: Insights from structural analyses of seismic reflection profiles. <i>Terra Nova</i> , 2021, 33, 1-11.	2.1	9
34	Sedimentary budget of the Northwest Sub-basin, South China Sea: controlling factors and geological implications. <i>International Geology Review</i> , 2020, 62, 970-987.	2.1	7
35	Mesozoic suture zone in the East China Sea: Evidence from wide-angle seismic profiles. <i>Tectonophysics</i> , 2021, 820, 229116.	2.2	7
36	Detachment-controlled subsidence pattern at hyper-extended passive margin: Insights from backstripping modelling of the Baiyun Rift, northern South China Sea. <i>Gondwana Research</i> , 2022, , .	6.0	6

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37	Preface: Magmatic and Tectonic Process, Seabed Resource from the mid-ocean ridge to continental margin. <i>Marine Geophysical Researches</i> , 2017, 38, 1-2.	1.2	5
38	Variability of sulfur isotopes and trace metals in pyrites from the upper oceanic crust of the South China Sea basin, implications for sulfur and trace metal cycling in subsurface. <i>Chemical Geology</i> , 2022, 606, 120982.	3.3	5
39	Effects of trenchâ€perpendicular ridge subduction on accretionary wedge deformation: Clues from analogue modelling. <i>Geological Journal</i> , 2019, 54, 2665-2678.	1.3	4
40	Marginal basins of the NW Pacific and Eastern Eurasia. <i>International Geology Review</i> , 2020, 62, 781-788.	2.1	4
41	Effects of multi-seamount subduction on accretionary wedge deformation: Insights from analogue modelling. <i>Journal of Geodynamics</i> , 2021, 145, 101842.	1.6	4
42	Chemical compositions and precipitation timing of basement calcium carbonate veins from the South China Sea. <i>Marine Geology</i> , 2017, 392, 170-178.	2.1	3
43	Chemical compositions and precipitation timing of basement calcium carbonate veins from the South China Sea. <i>Marine Geology</i> , 2017, 394, 116-124.	2.1	3
44	Receiver Function Investigations of Seismic Anisotropy Layering Beneath Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,672.	3.4	2
45	Compressionâ€induced Anomalous Subsidence in the Extensional Sedimentary Basin: A Numerical Study From the Pearl River Mouth Basin, Northern South China Sea Margin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094750.	4.0	2
46	Evidence for rapid large-amplitude vertical motions in the Valencia Trough (Western Mediterranean) generated by 3D subduction slab roll-back. <i>Earth and Planetary Science Letters</i> , 2021, 575, 117179.	4.4	2
47	Submarine wide-angle seismic experiments in the High Arctic â€ The JASMIInE Expedition in the slowest spreading Gakkel Ridge. <i>Geosystems and Geoenvironment</i> , 2022, , 100076.	3.2	2
48	Oceanic crustal structure and tectonic origin of the southern Kyushu-Palau Ridge in the Philippine Sea. <i>Acta Oceanologica Sinica</i> , 2022, 41, 39.	1.0	1
49	Crustal structure and variation along the southern part of the Kyushu-Palau Ridge. <i>Acta Oceanologica Sinica</i> , 2022, 41, 50-57.	1.0	1