

# Shaohong Xia

## List of Publications by Year in descending order

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38  
papers

961  
citations

430874

18  
h-index

454955

30  
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all docs

38  
docs citations

38  
times ranked

676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic constraints on a remnant Mesozoic forearc basin in the northeastern South China Sea. <i>Gondwana Research</i> , 2022, 102, 77-94.	6.0	10
2	Seismogenic crustal structure affected by the Hainan mantle plume. <i>Gondwana Research</i> , 2022, 103, 23-36.	6.0	7
3	Hyperextended crustal structure of the Qiongdongnan Basin and subsequent magmatic influence from the Hainan mantle plume. <i>Science China Earth Sciences</i> , 2022, 65, 845-862.	5.2	9
4	Widespread hydrothermal vents and associated volcanism record prolonged Cenozoic magmatism in the South China Sea. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 2645-2660.	3.3	15
5	Travel-Time Inversion Method of Converted Shear Waves Using RayInvr Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3571.	2.5	2
6	Identification of and Favorable Conditions for a New Long-Offset Seismic Phase from Offshore“Onshore Seismic Surveys. <i>Seismological Research Letters</i> , 2021, 92, 3682-3697.	1.9	0
7	Crustal extension and magmatism along the northeastern margin of the South China Sea: Further insights from shear waves. <i>Tectonophysics</i> , 2021, 817, 229073.	2.2	5
8	Along-strike segmentation of the South China Sea margin imposed by inherited pre-rift basement structures. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115862.	4.4	35
9	Seismic imaging of a mid-crustal low-velocity layer beneath the northern coast of the South China Sea and its tectonic implications. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 308, 106573.	1.9	13
10	Seismogenic structure in the source zone of the 1918 M7.5 NanAo earthquake in the northern South China Sea. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 302, 106472.	1.9	20
11	Extensional tectonics and post-rift magmatism in the southern South China Sea: New constraints from multi-channel seismic data. <i>Marine and Petroleum Geology</i> , 2020, 117, 104396.	3.3	10
12	Lateral crustal variation and post-rift magmatism in the northeastern South China Sea determined by wide-angle seismic data. <i>Marine Geology</i> , 2019, 410, 70-87.	2.1	32
13	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
14	Spatial variations of b-values in the coastal area of Guangdong. <i>Journal of Ocean University of China</i> , 2018, 17, 177-185.	1.2	5
15	Seismotectonics of the Taiwan Shoal region in the northeastern South China Sea: Insights from the crustal structure. <i>Journal of Ocean University of China</i> , 2018, 17, 156-168.	1.2	3
16	Seismogenic structures of the 2006 ML4.0 Dangan Island earthquake offshore Hong Kong. <i>Journal of Ocean University of China</i> , 2018, 17, 169-176.	1.2	9
17	The Characteristics of Microseisms in South China Sea: Results From a Combined Data Set of OBSs, Broadband Land Seismic Stations, and a Global Wave Height Model. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3923-3942.	3.4	24
18	Offshore Fault Geometrics in the Pearl River Estuary, Southeastern China: Evidence from Seismic Reflection Data. <i>Journal of Ocean University of China</i> , 2018, 17, 799-810.	1.2	14

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19	Crustal plumbing system of post-rift magmatism in the northern margin of South China Sea: New insights from integrated seismology. <i>Tectonophysics</i> , 2018, 744, 227-238.	2.2	38
20	Deep seismic structure of the northeastern South China Sea: Origin of a high-velocity layer in the lower crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2831-2858.	3.4	54
21	New insights into the magmatism in the northern margin of the South China Sea: Spatial features and volume of intraplate seamounts. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2216-2239.	2.5	55
22	Degree of serpentinization in the forearc mantle wedge of Kyushu subduction zone. , 2017, , .		0
23	Teleseismic imaging of the mantle beneath southernmost China: New insights into the Hainan plume. <i>Gondwana Research</i> , 2016, 36, 46-56.	6.0	105
24	Receiver function imaging of the mantle transition zone beneath the South China Block. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3666-3678.	2.5	30
25	Lateral variation of crustal structure and composition in the Cathaysia block of South China and its geodynamic implications. <i>Journal of Asian Earth Sciences</i> , 2015, 109, 20-28.	2.3	27
26	Degree of serpentinization in the forearc mantle wedge of Kyushu subduction zone: quantitative evaluations from seismic velocity. <i>Marine Geophysical Researches</i> , 2015, 36, 101-112.	1.2	5
27	Passive-source ocean bottom seismograph (OBS) array experiment in South China Sea and data quality analyses. <i>Science Bulletin</i> , 2014, 59, 4524-4535.	1.7	19
28	Late Mesozoic magmatic plumbing system in the onshore-offshore area of Hong Kong: Insight from 3-D active-source seismic tomography. <i>Journal of Asian Earth Sciences</i> , 2014, 96, 46-58.	2.3	29
29	Three-dimensional tomographic model of the crust beneath the Hong Kong region. <i>Geology</i> , 2012, 40, 59-62.	4.4	15
30	Characteristics of PmP phases from earthquakes and their role in crustal tomography: An active volcanic area example, northeastern Japan. <i>Science China Earth Sciences</i> , 2011, 54, 640-646.	5.2	4
31	Crustal structure in an onshore-offshore transitional zone near Hong Kong, northern South China Sea. <i>Journal of Asian Earth Sciences</i> , 2010, 37, 460-472.	2.3	35
32	Seismic structure in the northeastern South China Sea: S-wave velocity and Vp/Vs ratios derived from three-component OBS data. <i>Tectonophysics</i> , 2010, 480, 183-197.	2.2	99
33	Seismic structure and origin of active intraplate volcanoes in Northeast Asia. <i>Tectonophysics</i> , 2009, 470, 257-266.	2.2	42
34	Identification and analysis of shear waves recorded by three-component OBSs in northeastern South China Sea. <i>Progress in Natural Science: Materials International</i> , 2008, 18, 181-188.	4.4	6
35	The 2007 Niigata earthquake: Effect of arc magma and fluids. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 166, 153-166.	1.9	46
36	Tomographic evidence for the subducting oceanic crust and forearc mantle serpentinization under Kyushu, Japan. <i>Tectonophysics</i> , 2008, 449, 85-96.	2.2	59

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37	Mapping the crustal structure under active volcanoes in central Tohoku, Japan using P and PmP data. Geophysical Research Letters, 2007, 34, .	4.0	40
38	The application of large volume airgun sources to the onshore-offshore seismic surveys: implication of the experimental results in northern South China Sea. Science Bulletin, 2007, 52, 553-560.	1.7	16