

# Xiwu Luan

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

192  
citations

1163117

8  
h-index

1125743

13  
g-index

25  
all docs

25  
docs citations

25  
times ranked

187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic evidence and formation mechanism of gas hydrates in the Zhongjiannan Basin, Western margin of the South China Sea. <i>Marine and Petroleum Geology</i> , 2017, 84, 274-288.	3.3	36
2	Characteristics of shallow gas hydrate in Okhotsk Sea. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 415-421.	0.9	20
3	Dongsha erosive channel on northern South China Sea Shelf and its induced Kuroshio South China Sea Branch. <i>Science China Earth Sciences</i> , 2012, 55, 149-158.	5.2	16
4	Activity and formation of sand waves on northern South China Sea shelf. <i>Journal of Earth Science (Wuhan, China)</i> , 2010, 21, 55-70.	3.2	15
5	Gas seepage on the sea floor of Okinawa Trough Miyako Section. <i>Science Bulletin</i> , 2005, 50, 1358.	1.7	13
6	Stability of submarine slopes in the northern South China Sea: a numerical approach. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 146-158.	0.7	10
7	The Timing of Collision Between Asia and the West Burma Terrane, and the Development of the Indo-Burman Ranges. <i>Tectonics</i> , 2022, 41, .	2.8	10
8	TECTONIC EVOLUTION MODES OF SOUTH CHINA SEA: PASSIVE SPREADING UNDER COMPLEX ACTIONS. <i>Marine Geology &amp; Quaternary Geology</i> , 2010, 29, 59-74.	0.1	9
9	Using the Directional Derivative Trace Transform for Seismic Wavefield Separation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 3289-3298.	6.3	8
10	New interpretation for the main sediment source of the rapidly deposited sediment drifts on the northern slope of the South China Sea. <i>Journal of Asian Earth Sciences</i> , 2019, 171, 118-133.	2.3	8
11	Migrated hybrid turbidite-contourite channel-lobe complex of the late Eocene Rovuma Basin, East Africa. <i>Acta Oceanologica Sinica</i> , 2021, 40, 81-94.	1.0	8
12	Deep-water sedimentation controlled by interaction between bottom current and gravity flow: A case study of Rovuma Basin, East Africa. <i>Journal of African Earth Sciences</i> , 2021, 180, 104228.	2.0	8
13	Latest Eocene and Oligocene tectonic controls on carbonate deposition in eastern Java and the south Makassar Straits, Indonesia. <i>Journal of Asian Earth Sciences</i> , 2021, 220, 104900.	2.3	7
14	Key parameters of the structure and evolution of the Okinawa Trough: Modelling results constrained by heat flow observations. <i>Geological Journal</i> , 2019, 54, 3542-3555.	1.3	5
15	Hydrocarbon accumulation in an active accretionary prism, a case study in the deepwater Rakhine Basin, Myanmar offshore. <i>Journal of Asian Earth Sciences</i> , 2021, 221, 104941.	2.3	5
16	Modern movement and deformation in the South China Sea shown by GPS measurements and numerical simulation. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 159-168.	0.7	3
17	Formation and evolution of the tertiary carbonate reefs in the Madura Strait Basin of Indonesia. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 47-61.	1.3	3
18	Morphology, internal architectures, and formation mechanisms of mega-pockmarks on the northwestern South China Sea margin. <i>Interpretation</i> , 2021, 9, T1043-T1058.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Occurrence in space and time of the Globigerina-sands of eastern Java; their stratigraphy, and controls on reservoir quality. <i>Marine and Petroleum Geology</i> , 2021, 133, 105311.	3.3	3
20	Seismic characteristics and strontium isotope ages of the Middle Miocene Ngrayong Formation in the Madura Strait Basin: Implications for the paleogeographic reconstruction of East Java. <i>Journal of Asian Earth Sciences</i> , 2020, 190, 104109.	2.3	1
21	Moho Geometry of the Okinawa Trough Based on Gravity Inversion and Its Implications on the Crustal Nature and Tectonic Evolution. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
22	The Forming Mechanism of the Ngimbang Crossing Conjugate Grabens in the East Java Terrane, Indonesia. <i>Acta Geologica Sinica</i> , 2019, 93, 98-98.	1.4	0
23	Discussion of Yang et al. (2017, <i>Acta Geologica Sinica</i> 91:749-750) A new discovery of the Early Cretaceous supercritical hyperpycnal flow deposits on Lingshan Island, East China. <i>Geological Journal</i> , 2020, 55, 5508-5513.	1.3	0
24	Choosing between a dichotomy of methods in stratigraphy. <i>Geology Today</i> , 2022, 38, 69-74.	0.9	0
25	Controls on the Gas Hydrate Occurrence in Lower Slope to Basin-Floor, Northeastern Bay of Bengal. <i>Journal of Ocean University of China</i> , 2022, 21, 813-826.	1.2	0