

Chuang Xuan

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,033
citations

331670

21
h-index

302126

39
g-index

59
all docs

59
docs citations

59
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Stacking paleointensity and oxygen isotope data for the last 1.5 Myr (PISO-1500). <i>Earth and Planetary Science Letters</i> , 2009, 283, 14-23.	4.4	316
2	Reconciling astrochronological and ⁴⁰ Ar/ ³⁹ Ar ages for the Matuyama-Brunhes boundary and late Matuyama Chron. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	157
3	Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250.	12.6	144
4	Late Quaternary stratigraphy and sedimentation patterns in the western Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 5-17.	3.5	139
5	Sediment record from the western Arctic Ocean with an improved Late Quaternary age resolution: HOTRAX core HLY0503-8JPC, Mendeleev Ridge. <i>Global and Planetary Change</i> , 2009, 68, 18-29.	3.5	102
6	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. <i>Global and Planetary Change</i> , 2015, 133, 49-64.	3.5	99
7	Age calibrated relative paleointensity for the last 1.5 Myr at IODP Site U1308 (North Atlantic). <i>Earth and Planetary Science Letters</i> , 2008, 274, 59-71.	4.4	75
8	UPmag: MATLAB software for viewing and processing u channel or other pass through paleomagnetic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	68
9	Surface and deep-water hydrography on Gardar Drift (Iceland Basin) during the last interglacial period. <i>Earth and Planetary Science Letters</i> , 2009, 288, 10-19.	4.4	59
10	Quantitative estimation of bioturbation based on digital image analysis. <i>Marine Geology</i> , 2014, 349, 55-60.	2.1	59
11	High-resolution and high-precision correlation of dark and light layers in the Quaternary hemipelagic sediments of the Japan Sea recovered during IODP Expedition 346. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	55
12	Self-reversal and apparent magnetic excursions in Arctic sediments. <i>Earth and Planetary Science Letters</i> , 2009, 284, 124-131.	4.4	54
13	IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence. <i>Scientific Drilling</i> , 0, 16, 1-11.	0.6	53
14	Dating late Quaternary planktonic foraminifer <i>Neogloboquadrina pachyderma</i> from the Arctic Ocean using amino acid racemization. <i>Paleoceanography</i> , 2008, 23, .	3.0	51
15	Paleomagnetism of Quaternary sediments from Lomonosov Ridge and Yermak Plateau: implications for age models in the Arctic Ocean. <i>Quaternary Science Reviews</i> , 2012, 32, 48-63.	3.0	41
16	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , 0, 16, 13-19.	0.6	41
17	Late Glacial to Holocene radiocarbon constraints on North Pacific Intermediate Water ventilation and deglacial atmospheric CO ₂ sources. <i>Earth and Planetary Science Letters</i> , 2014, 397, 57-66.	4.4	41
18	Origin of apparent magnetic excursions in deep-sea sediments from Mendeleev Alpha Ridge, Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	39

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19	Quaternary magnetic and oxygen isotope stratigraphy in diatom-rich sediments of the southern Gardar Drift (IODP Site U1304, North Atlantic). <i>Quaternary Science Reviews</i> , 2016, 142, 74-89.	3.0	34
20	The influence of high-latitude flux lobes on the Holocene paleomagnetic record of IODP Site U1305 and the northern North Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4623-4646.	2.5	28
21	Deconvolution of continuous paleomagnetic data from pass-through magnetometer: A new algorithm to restore geomagnetic and environmental information based on realistic optimization. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3907-3924.	2.5	25
22	Scanning SQUID microscope system for geological samples: system integration and initial evaluation. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	25
23	Origin of orbital periods in the sedimentary relative paleointensity records. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 140-151.	1.9	22
24	A 17,000 yr paleomagnetic secular variation record from the southeast Alaskan margin: Regional and global correlations. <i>Earth and Planetary Science Letters</i> , 2017, 473, 177-189.	4.4	20
25	A 37,000-year environmental magnetic record of aeolian dust deposition from Burial Lake, Arctic Alaska. <i>Quaternary Science Reviews</i> , 2015, 128, 81-97.	3.0	19
26	Plio-Pleistocene sedimentary record from the Northwind Ridge: new insights into paleoclimatic evolution of the western Arctic Ocean for the last 5Ma. <i>Arktos</i> , 2018, 4, 1-23.	1.0	19
27	Southern Greenland glaciation and Western Boundary Undercurrent evolution recorded on Eirik Drift during the late Pliocene intensification of Northern Hemisphere glaciation. <i>Quaternary Science Reviews</i> , 2019, 209, 40-51.	3.0	19
28	Upper and lower Jaramillo polarity transitions recorded in IODP Expedition 303 North Atlantic sediments: Implications for transitional field geometry. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 172, 131-140.	1.9	18
29	Relative paleointensity (RPI) and age control in Quaternary sediment drifts off the Antarctic Peninsula. <i>Quaternary Science Reviews</i> , 2019, 211, 17-33.	3.0	18
30	UDECON: deconvolution optimization software for restoring high-resolution records from pass-through paleomagnetic measurements. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	17
31	Testing the relationship between timing of geomagnetic reversals/excursions and phase of orbital cycles using circular statistics and Monte Carlo simulations. <i>Earth and Planetary Science Letters</i> , 2008, 268, 245-254.	4.4	15
32	New insights from multi-proxy data from the West Antarctic continental rise: Implications for dating and interpreting Late Quaternary palaeoenvironmental records. <i>Quaternary Science Reviews</i> , 2021, 257, 106842.	3.0	14
33	Orbital forcing of ice sheets during snowball Earth. <i>Nature Communications</i> , 2021, 12, 4187.	12.8	13
34	Toward robust deconvolution of pass-through paleomagnetic measurements: new tool to estimate magnetometer sensor response and laser interferometry of sample positioning accuracy. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	11
35	Extracting a Detailed Magnetostratigraphy From Weakly Magnetized, Oligocene to Early Miocene Sediment Drifts Recovered at IODP Site U1406 (Newfoundland Margin, Northwest Atlantic Ocean). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3910-3928.	2.5	11
36	A Saltier Glacial Mediterranean Outflow. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 179-197.	2.9	10

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37	A new Holocene record of geomagnetic secular variation from Windermere, UK. Earth and Planetary Science Letters, 2017, 477, 108-122.	4.4	9
38	Site U1427. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	9
39	Site U1422. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	8
40	Sensor Response Estimate and Cross Calibration of Paleomagnetic Measurements on Passâ€¢Through Superconducting Rock Magnetometers. Geochemistry, Geophysics, Geosystems, 2019, 20, 4676-4692.	2.5	7
41	Site U1423. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	7
42	Site U1424. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	7
43	Site U1425. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	7
44	Climateâ€¢Induced Variability in Mediterranean Outflow to the North Atlantic Ocean During the Late Pleistocene. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003947.	2.9	5
45	Site U1426. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	5
46	Site U1430. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	5
47	Sites U1428 and U1429. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	4
48	A new high northern latitude dinocyst-based magneto-biostratigraphic calibration for the Norwegian-Greenland Sea. Newsletters on Stratigraphy, 2019, 52, 435-460.	1.2	4
49	Integrated Pliocene-Pleistocene magnetostratigraphy and tephrostratigraphy of deep-sea sediments at IODP Site U1424 (Yamato Basin, Japan Sea). Progress in Earth and Planetary Science, 2020, 7, .	3.0	1
50	Special issue â€¢Recent advances in geo-, paleo- and rock-magnetismâ€¢. Earth, Planets and Space, 2019, 71, .	2.5	0
51	ROCK MAGNETIC AND PALEOMAGNETIC STUDY OF SEDIMENTS FROM IODP SITE U1389 (WEST IBERIAN) Tj ETQq1 1 0.784314 rgBT 10		
52	PALEOENVIRONMENTAL CHANGE RECORDED IN THE MAGNETIC PROPERTIES OF MARINE SEDIMENTS CORED OFF THE MARGIN OF SPAIN AND PORTUGAL DURING IODP EXPEDITION 339. , 2017, , .		0