

Chuang Xuan

List of Publications by Year in descending order

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52
papers

2,033
citations

331670

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302126

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59
all docs

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docs citations

59
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Orbital forcing of ice sheets during snowball Earth. <i>Nature Communications</i> , 2021, 12, 4187.	12.8	13
3	Climate-induced Variability in Mediterranean Outflow to the North Atlantic Ocean During the Late Pleistocene. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003947.	2.9	5
4	Integrated Pliocene-Pleistocene magnetostratigraphy and tephrostratigraphy of deep-sea sediments at IODP Site U1424 (Yamato Basin, Japan Sea). <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	1
5	Sensor Response Estimate and Cross Calibration of Paleomagnetic Measurements on Pass-Through Superconducting Rock Magnetometers. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4676-4692.	2.5	7
6	Special issue "Recent advances in geo-, paleo- and rock-magnetism". <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	0
7	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
8	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
9	A new high northern latitude dinocyst-based magneto-biostratigraphic calibration for the Norwegian-Greenland Sea. <i>Newsletters on Stratigraphy</i> , 2019, 52, 435-460.	1.2	4
10	A Saltier Glacial Mediterranean Outflow. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 179-197.	2.9	10
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	Plio-Pleistocene sedimentary record from the Northwind Ridge: new insights into paleoclimatic evolution of the western Arctic Ocean for the last 5 Ma. <i>Arktos</i> , 2018, 4, 1-23.	1.0	19
13	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
14	A new Holocene record of geomagnetic secular variation from Windermere, UK. <i>Earth and Planetary Science Letters</i> , 2017, 477, 108-122.	4.4	9
15	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
16	PALEOENVIRONMENTAL CHANGE RECORDED IN THE MAGNETIC PROPERTIES OF MARINE SEDIMENTS CORED OFF THE MARGIN OF SPAIN AND PORTUGAL DURING IODP EXPEDITION 339. , 2017, , .		0
17	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
18	Scanning SQUID microscope system for geological samples: system integration and initial evaluation. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	25

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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	ROCK MAGNETIC AND PALEOMAGNETIC STUDY OF SEDIMENTS FROM IODP SITE U1389 (WEST IBERIAN)		
21	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
22	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
23	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
24	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
25	Quantitative estimation of bioturbation based on digital image analysis. <i>Marine Geology</i> , 2014, 349, 55-60.	2.1	59
26	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
27	Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250.	12.6	144
28	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
29	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
30	Origin of apparent magnetic excursions in deep-sea sediments from Mendeleev Ridge, Arctic Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	39
31	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
32	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
33	Self-reversal and apparent magnetic excursions in Arctic sediments. <i>Earth and Planetary Science Letters</i> , 2009, 284, 124-131.	4.4	54
34	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
35	Late Quaternary stratigraphy and sedimentation patterns in the western Arctic Ocean. <i>Global and Planetary Change</i> , 2009, 68, 5-17.	3.5	139
36	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

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37	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
38	UPmag: MATLAB software for viewing and processing u channel or other passâ€¢through paleomagnetic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	68
39	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
40	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
41	Age calibrated relative paleointensity for the last 1.5ÂMyr at IODP Site U1308 (North Atlantic). <i>Earth and Planetary Science Letters</i> , 2008, 274, 59-71.	4.4	75
42	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
43	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
44	The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. <i>Scientific Drilling</i> , 0, 16, 13-19.	0.6	41
45	Site U1423. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	7
46	Site U1424. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	7
47	Site U1425. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	7
48	Site U1426. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	5
49	Site U1427. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	9
50	Sites U1428 and U1429. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	4
51	Site U1430. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	5
52	Site U1422. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	8