Myriam AÂ c Kars

List of Publications by Year
in descending order

31 papers	486 citations	687363 13 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	662 citing authors

#	Article	IF	Citations
1	Fluid Accumulation, Migration and Anaerobic Oxidation of Methane Along a Major Splay Fault at the Hikurangi Subduction Margin (New Zealand): A Magnetic Approach. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020671.	3.4	6
2	Authigenic Greigite as an Indicator of Methane Diffusion in Gas Hydrate-Bearing Sediments of the Hikurangi Margin, New Zealand. Frontiers in Earth Science, 2021, 9, .	1.8	6
3	Editorial: Advances in Magnetism of Soils and Sediments. Frontiers in Earth Science, 2021, 9, .	1.8	0
4	A Magnetic Geothermometer in Moderately Buried Shales. Minerals (Basel, Switzerland), 2021, 11, 957.	2.0	2
5	Evolution of (Bioâ€)Geochemical Processes and Diagenetic Alteration of Sediments Along the Tectonic Migration of Ocean Floor in the Shikoku Basin off Japan. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009585.	2.5	11
6	Influence of Early Lowâ€Temperature and Later Highâ€Temperature Diagenesis on Magnetic Mineral Assemblages in Marine Sediments From the Nankai Trough. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC010133.	2.5	3
7	Hot fluids, burial metamorphism and thermal histories in the underthrust sediments at IODP 370 site C0023, Nankai Accretionary Complex. Marine and Petroleum Geology, 2020, 112, 104080.	3.3	8
8	Strain partitioning across a subduction thrust fault near the deformation front of the Hikurangi subduction margin, New Zealand: A magnetic fabric study on IODP Expedition 375 Site U1518. Earth and Planetary Science Letters, 2020, 542, 116322.	4.4	11
9	Tajik Basin and Southwestern Tian Shan, Northwestern Indiaâ€Asia Collision Zone: 2. Timing of Basin Inversion, Tian Shan Mountain Building, and Relation to Pamirâ€Plateau Advance and Deep Indiaâ€Asia Indentation. Tectonics, 2020, 39, e2019TC005873.	2.8	22
10	Progressive and Punctuated Magnetic Mineral Diagenesis: The Rock Magnetic Record of Multiple Fluid Inputs and Progressive Pyritization in a Volcanoâ€Bounded Basin, IODP Site U1437, Izu Rear Arc. Journal of Geophysical Research: Solid Earth, 2019, 124, 5357-5378.	3.4	9
11	Magnetic Mineralogical Approach for the Exploration of Gas Hydrates in the Bay of Bengal. Journal of Geophysical Research: Solid Earth, 2019, 124, 4428-4451.	3.4	14
12	Experimental shock metamorphism of terrestrial basalts: Agglutinateâ€like particle formation, petrology, and magnetism. Meteoritics and Planetary Science, 2018, 53, 131-150.	1.6	5
13	Magnetic Mineral Diagenesis in a High Temperature and Deep Methanic Zone in Izu Rear Arc Marine Sediments, Northwest Pacific Ocean. Journal of Geophysical Research: Solid Earth, 2018, 123, 8331-8348.	3.4	8
14	A Deep Alteration and Oxidation Profile in a Shallow Clay Aquitard: Example of the TÃ©gulines Clay, East Paris Basin, France. Geofluids, 2018, 2018, 1-20.	0.7	12
15	Effects of a thermal perturbation on mineralogy and pore water composition in a clay-rock: An experimental and modeling study. Geochimica Et Cosmochimica Acta, 2017, 197, 193-214.	3.9	19
16	Impact of climate change on the magnetic mineral assemblage in marine sediments from Izu rear arc, NW Pacific Ocean, over the last 1 Myr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 480, 53-69.	2.3	22
17	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. International Geology Review, 2017, 59, 1677-1708.	2.1	23
18	Magnetic characterization of non-ideal single-domain monoclinic pyrrhotite and its demagnetization under hydrostatic pressure up to 2 GPa with implications for impact demagnetization. Physics of the Earth and Planetary Interiors, 2016, 257, 79-90.	1.9	11

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19	Recognizing magnetostratigraphy in overprinted and altered marine sediments: Challenges and solutions from IODP Site U1437. Geochemistry, Geophysics, Geosystems, 2016, 17, 3190-3206.	2.5	9
20	The effects of 10 to >160 GPa shock on the magnetic properties of basalt and diabase. Geochemistry, Geophysics, Geosystems, 2016, 17, 4753-4771.	2.5	13
21	Rock magnetic characterization of ferrimagnetic iron sulfides in gas hydrate-bearing marine sediments at Site C0008, Nankai Trough, Pacific Ocean, off-coast Japan. Earth, Planets and Space, 2015, 67, .	2.5	24
22	Authigenesis of magnetic minerals in gas hydrate-bearing sediments in the Nankai Trough, offshore Japan. Geochemistry, Geophysics, Geosystems, 2015, 16, 947-961.	2.5	35
23	Neoformed magnetic minerals as an indicator of moderate burial: The key example of middle Paleozoic sedimentary rocks, West Virginia. AAPG Bulletin, 2015, 99, 389-401.	1.5	12
24	Identification of nanocrystalline goethite in reduced clay formations: Application to the Callovian-Oxfordian formation of Bure (France). American Mineralogist, 2015, 100, 1544-1553.	1.9	13
25	Burial Diagenesis of Magnetic Minerals: New Insights from the GrÃ¨s dâ€™Annot Transect (SE France). Minerals (Basel, Switzerland), 2014, 4, 667-689.	2.0	14
26	Reconstruction of low temperature (<100ÂÂ°C) burial in sedimentary basins: A comparison of geothermometer in the intracontinental Paris Basin. Marine and Petroleum Geology, 2014, 53, 71-87.	3.3	46
27	Diagenetic modulation of the magnetic properties in sediments from the Northern Indian Ocean. Geochemistry, Geophysics, Geosystems, 2013, 14, 3779-3800.	2.5	10
28	Burial, claystones remagnetization and some consequences for magnetostratigraphy. Geological Society Special Publication, 2012, 371, 181-188.	1.3	38
29	Continuous production of nanosized magnetite through low grade burial. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	20
30	Low temperature magnetic behaviour near 35 K in unmetamorphosed claystones. Geophysical Journal International, 2011, 186, 1029-1035.	2.4	22
31	Statistical properties of the Transantarctic Mountains (TAM) micrometeorite collection. Polar Science, 2009, 3, 100-109.	1.2	38