

France Lagroix

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,716
citations

236833

25
h-index

302012

39
g-index

63
all docs

63
docs citations

63
times ranked

2173
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution record of the environmental response to climatic variations during the Last Interglacial "Glacial cycle in Central Europe: the loess-palaeosol sequence of DolnÄstõnice (Czech Tj ETQq1 1.0.784314argBT /Ove	1.8	106
2	Paleowind directions from the magnetic fabric of loess profiles in central Alaska. Earth and Planetary Science Letters, 2002, 195, 99-112.	4.6	93
3	Enhanced antitumor efficacy of biocompatible magnetosomes for the magnetic hyperthermia treatment of glioblastoma. Theranostics, 2017, 7, 4618-4631.	1.2	73
4	The loess sequence of <scp>D</scp>olnÄ<scp>V</scp>Ästõnice, <scp>C</scp>zeh <scp>R</scp>epublic: A new <scp>OSL</scp>-based chronology of the <scp>L</scp>ast <scp>C</scp>limatic <scp>C</scp>ytle. Boreas, 2013, 42, 664-677.	1.8	68
5	The regional and temporal significance of primary aeolian magnetic fabrics preserved in Alaskan loess. Earth and Planetary Science Letters, 2004, 225, 379-395.	0.9	63
6	Magnetic fabric interpretation complicated by inclusions in mafic silicates. Tectonophysics, 2000, 325, 207-225.	1.4	59
7	(MIS3 & 2) millennial oscillations in Greenland dust and Eurasian aeolian records " A paleosol perspective. Quaternary Science Reviews, 2017, 169, 99-113.	1.6	58
8	The Northwest Africa 8159 martian meteorite: Expanding the martian sample suite to the early Amazonian. Geochimica Et Cosmochimica Acta, 2017, 218, 1-26.	1.3	53
9	Excursions to C<sub>4</sub> vegetation recorded in the Upper Pleistocene loess of Surduk (Northern Serbia): an organic isotope geochemistry study. Climate of the Past, 2013, 9, 1001-1014.	0.6	46
10	Luminescence investigation of loess and tephra from Halfway House section, Central Alaska. Quaternary Geochronology, 2007, 2, 34-38.	1.7	46
11	A case study of the internal structures of gossans and weathering processes in the Iberian Pyrite Belt using magnetic fabrics and paleomagnetic dating. Mineralium Deposita, 2011, 46, 981-999.	3.3	44
12	Revisiting the mechanism of reversed thermoremanent magnetization based on observations from synthetic ferrian ilmenite ($\gamma = 0.7$). Journal of Geophysical Research, 2004, 109, .	0.1	39
13	The upper pleistocene loess sequences of Havrincourt (Pas-de-Calais, France): stratigraphy, palaeoenvironments, geochronology and human occupations. Quaternaire, 2014, , 321-368.	1.5	38
14	European glacial dust deposits: Geochemical constraints on atmospheric dust cycle modeling. Geophysical Research Letters, 2014, 41, 7666-7674.	1.0	36
15	Xray magnetic circular dichrosm provides strong evidence for tetrahedral iron in ferrihydrite. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.5	34
16	Low temperature magnetic transition of chromite in ordinary chondrites. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.0	32
17	Mineral magnetic characterization of the Upper Pleniglacial Nussloch loess sequence (Germany): an insight into local environmental processes. Geophysical Journal International, 2014, 199, 1463-1480.	2.0	30
18	Goethite as a potential source of magnetic nanoparticles in sediments. Geology, 2015, 43, 75-78.		

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19	Cryptic post-depositional reworking in aeolian sediments revealed by the anisotropy of magnetic susceptibility. <i>Earth and Planetary Science Letters</i> , 2004, 224, 453-459.	1.8	29
20	Magnetic fabric of sheared till: A strain indicator for evaluating the bed deformation model of glacier flow. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	29
21	Opaque minerals, magnetic properties, and paleomagnetism of the Tissint Martian meteorite. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1919-1936.	0.7	29
22	A New Tool for Separating the Magnetic Mineralogy of Complex Mineral Assemblages from Low Temperature Magnetic Behavior. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	29
23	Magnetic fabrics reveal Upper Mantle Flow fabrics in the Troodos Ophiolite Complex, Cyprus. <i>Journal of Structural Geology</i> , 2001, 23, 1299-1317.	1.0	28
24	Magnetic properties of the Old Crow tephra: Identification of a complex iron titanium oxide mineralogy. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	28
25	Tectonics of the circum-Troodos sedimentary cover of Cyprus, from rock magnetic and structural observations. <i>Journal of Structural Geology</i> , 2000, 22, 453-469.	1.0	26
26	Magnetic particle characterization in the Seine river system: Implications for the determination of natural versus anthropogenic input. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	26
27	Thermal Enhancement of Magnetic Fabrics in High Grade Gneisses. <i>Geophysical Research Letters</i> , 2000, 27, 2413-2416.	1.5	25
28	Major dust events in Europe during marine isotope stage 5 (130â€“74 ka): a climatic interpretation of the "markers". <i>Climate of the Past</i> , 2013, 9, 2213-2230.	1.3	23
29	Magnetic anisotropy reveals the depositional and postdepositional history of a loessâ€“paleosol sequence at Nussloch (Germany). <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2859-2876.	1.4	22
30	Magnetic characterization using a three-dimensional hysteresis projection, illustrated with a study of limestones. <i>Geophysical Journal International</i> , 2000, 141, 213-226.	1.0	21
31	Magnetic comparison of abiogenic and biogenic alteration products of lepidocrocite. <i>Earth and Planetary Science Letters</i> , 2014, 395, 149-158.	1.8	19
32	Origin of a washboard moraine of the Des Moines Lobe inferred from sediment properties. <i>Geomorphology</i> , 2015, 248, 452-463.	1.1	19
33	A luminescenceâ€“based chronology for the Harletz loess sequence, Bulgaria. <i>Boreas</i> , 2019, 48, 179-194.	1.2	19
34	Dansgaardâ€“Oeschger-like events of the penultimate climate cycle: the loess point of view. <i>Climate of the Past</i> , 2020, 16, 713-727.	1.3	19
35	Magnetic fabrics and anisotropy-controlled thrusting in the Kapuskasing Structural Zone, Canada. <i>Tectonophysics</i> , 1999, 302, 241-256.	0.9	16
36	A remarkable Late Saalian (MIS 6) loess (dust) accumulation in the Lower Danube at Harletz (Bulgaria). <i>Quaternary Science Reviews</i> , 2019, 207, 80-100.	1.4	16

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37	A Detailed Paleoclimate Proxy Record for the Middle Danube Basin Over the Last 430 kyr: A Rock Magnetic and Colorimetric Study of the Zemun Loess-Paleosol Sequence. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	16
38	Improved isolation of archeomagnetic signals by combined low temperature and alternating field demagnetization. <i>Geophysical Journal International</i> , 2001, 147, 176-182.	1.0	14
39	The Vicinicia meteorite fall: A new unshocked (S1) weakly metamorphosed (3.2) <scp>LL</scp> chondrite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1089-1111.	0.7	14
40	Constraining the Origins of the Magnetism of Lepidocrocite (Fe_3FeOOH): A Mössbauer and Magnetization Study. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	14
41	Tilting and transpression of an Archaean anorthosite in northern Ontario. <i>Tectonophysics</i> , 1998, 293, 239-254.	0.9	13
42	Lateritic paleoweathering profiles in French Massif Central: Paleomagnetic datings. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	12
43	Presumed magnetic biosignatures observed in magnetite derived from abiotic reductive alteration of nanogoethite. <i>Comptes Rendus - Geoscience</i> , 2017, 349, 63-70.	0.4	12
44	A Deep Alteration and Oxidation Profile in a Shallow Clay Aquitard: Example of the Argulines Clay, East Paris Basin, France. <i>Geofluids</i> , 2018, 2018, 1-20.	0.3	12
45	Ophiolite Tectonics, Rock Magnetism and Palaeomagnetism, Cyprus. <i>Surveys in Geophysics</i> , 2010, 31, 285-359.	2.1	11
46	Analyzing the geomagnetic axial dipole field moment over the historical period from new archeointensity results at Bukhara (Uzbekistan, Central Asia). <i>Physics of the Earth and Planetary Interiors</i> , 2021, 310, 106633.	0.7	11
47	Sub-fabric identification by standardization of AMS: an example of inferred neotectonic structures from Cyprus. <i>Geological Society Special Publication</i> , 2004, 238, 527-540.	0.8	10
48	Diagenetic modulation of the magnetic properties in sediments from the Northern Indian Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3779-3800.	1.0	10
49	A detailed magnetic record of Pleistocene climate and distal ash dispersal during the last 800 kyr - The Suhia Kladenetz quarry loess-paleosol sequence near Pleven (Bulgaria). <i>Global and Planetary Change</i> , 2022, 214, 103840.	1.6	10
50	Soil metal pollution from former Zn-Pb mining assessed by geochemical and magnetic investigations: case study of the Bou Caïd area (Tissemsilt, Algeria). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	9
51	Acquisition of anhysteretic remanence and tensor subtraction from AMS isolates true palaeocurrent grain alignments. <i>Geological Society Special Publication</i> , 1999, 151, 139-145.	0.8	8
52	Palaeomagnetic results from Palaeocene basalts from Mongolia reveal no inclination shallowing at 60 Ma in Central Asia. <i>Geophysical Journal International</i> , 2008, 172, 87-102.	1.0	7
53	Weathering of an argillaceous rock in the presence of atmospheric conditions: A flow-through experiment and modelling study. <i>Applied Geochemistry</i> , 2018, 96, 252-263.	1.4	7
54	Controls and implications of anisotropy across a strain gradient within granodiorite, Serifos, Greece. <i>Journal of Geodynamics</i> , 2017, 105, 11-26.	0.7	5

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55	Differences in paleomagnetic interpretations due to the choice of statistical, demagnetization and correction techniques: Kapuskasing Structural Zone, northern Ontario, Canada. <i>Tectonophysics</i> , 2003, 363, 103-125.	0.9	4
56	Attempts to Date Salt-making Activity in Iron Age Britain using Magnetic Inclinations. <i>Journal of Archaeological Science</i> , 1999, 26, 1377-1389.	1.2	3
57	Magnetic Fingerprinting of Fluvial Suspended Particles in the Context of Soil Erosion: Example of the Canche River Watershed (Northern France). <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008836.	1.0	3
58	Strain patterns in glacitectonically thrust sediments and conditions during thrusting. <i>Journal of Structural Geology</i> , 2020, 137, 104064.	1.0	2
59	Holocene palaeoenvironmental conditions in NE Bulgaria uncovered by mineral magnetic and paleomagnetic records of an alluvial soil. <i>Quaternary International</i> , 2022, 631, 47-58.	0.7	2
60	Discussion of "Geochemical evidence for the origin of late Quaternary loess in central Alaska". <i>Canadian Journal of Earth Sciences</i> , 2006, 43, 1887-1890.	0.6	0