

Ioan Lascu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

698
citations

687363

13
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

852
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, chemical, and microbial feedbacks controlling brine geochemistry and lake morphology in polyextreme salar environments. <i>Science of the Total Environment</i> , 2022, 836, 155378.	8.0	4
2	Environmental and Biological Controls on Sedimentary Bottom Types in the Puquios of the Salar de Llamara, Northern Chile. <i>Geosciences (Switzerland)</i> , 2022, 12, 247.	2.2	3
3	In situ magnetic identification of giant, needle-shaped magnetofossils in Paleocene–Eocene Thermal Maximum sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
4	Diversification of Iron–Biomining Organisms During the Paleocene–Eocene Thermal Maximum: Evidence From Quantitative Unmixing of Magnetic Signatures of Conventional and Giant Magnetofossils. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004225.	2.9	11
5	Electrical conductivity as a driver of biological and geological spatial heterogeneity in the Puquios, Salar de Llamara, Atacama Desert, Chile. <i>Scientific Reports</i> , 2021, 11, 12769.	3.3	14
6	Magnetic detection of paleoflood layers in stalagmites and implications for historical land use changes. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115946.	4.4	11
7	Magnetic Mineral Populations in Lower Oceanic Crustal Gabbros (Atlantis Bank, SW Indian Ridge): Implications for Marine Magnetic Anomalies. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008847.	2.5	2
8	Using TNT-NN to unlock the fast full spatial inversion of large magnetic microscopy data sets. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	5
9	Special issue –Recent advances in geo-, paleo- and rock-magnetism– <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	0
10	Influences of forested and grassland vegetation on late Quaternary ecosystem development as recorded in lacustrine sediments. <i>Quaternary Research</i> , 2019, 92, 201-215.	1.7	1
11	An Improved Algorithm for Unmixing First-Order Reversal Curve Diagrams Using Principal Component Analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1595-1610.	2.5	56
12	The Vortex State in Geologic Materials: A Micromagnetic Perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 7285-7304.	3.4	59
13	Elastic and anelastic relaxation behaviour of perovskite multiferroics II: $\text{PbZr}_{0.53}\text{Ti}_{0.47}\text{O}_3$ (PZT)– $\text{PbFe}_{0.5}\text{Ta}_{0.5}\text{O}_3$ (PFT). <i>Journal of Materials Science</i> , 2017, 52, 285-304.	3.7	11
14	Magnetic record of deglaciation using FORC-PCA, sortable-silt grain size, and magnetic excursion at 26 ka, from the Rockall Trough (NE Atlantic). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1823-1841.	2.5	46
15	Elastic and anelastic relaxation behaviour of perovskite multiferroics I: $\text{PbZr}_{0.53}\text{Ti}_{0.47}\text{O}_3$ (PZT)– $\text{PbFe}_{0.5}\text{Nb}_{0.5}\text{O}_3$ (PFN). <i>Journal of Materials Science</i> , 2016, 51, 10727-10760.	3.7	11
16	Age of the Laschamp excursion determined by U-Th dating of a speleothem geomagnetic record from North America. <i>Geology</i> , 2016, 44, 139-142.	4.4	54
17	Magnetic unmixing of first-order reversal curve diagrams using principal component analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2900-2915.	2.5	57
18	Ecosystem development following deglaciation: A new sedimentary record from Devils Lake, Wisconsin, USA. <i>Quaternary Science Reviews</i> , 2015, 125, 131-143.	3.0	8

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19	A comparison of magnetic susceptibility measurement techniques and ferrimagnetic component analysis from recent sediments in Lake Pepin (USA). Geological Society Special Publication, 2015, 414, 197-207.	1.3	4
20	Elastic and magnetoelastic relaxation behaviour of multiferroic (ferromagnetic + ferroelectric +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Condensed Matter, 2015, 27, 285901.	1.8	22
21	A Late Glacial paleolake record from an up-dammed river valley in northern Transylvania, Romania. Quaternary International, 2015, 388, 87-96.	1.5	6
22	FORCulator: A micromagnetic tool for simulating first-order reversal curve diagrams. Geochemistry, Geophysics, Geosystems, 2014, 15, 4671-4691.	2.5	57
23	A new dimension to sediment magnetism: Charting the spatial variability of magnetic properties across lake basins. Global and Planetary Change, 2013, 110, 340-349.	3.5	27
24	Variable ecosystem response to climate change during the Holocene in northern Minnesota, USA. Bulletin of the Geological Society of America, 2013, 125, 445-452.	3.3	12
25	The origin of magnetic remanence in stalagmites: Observations from electron microscopy and rock magnetism. Geochemistry, Geophysics, Geosystems, 2013, 14, 5006-5025.	2.5	28
26	Sediment-magnetic evidence for last millennium drought conditions at the prairie forest ecotone of northern United States. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 337-338, 99-107.	2.3	13
27	Speleothem magnetism. Quaternary Science Reviews, 2011, 30, 3306-3320.	3.0	58
28	Deconvolution of u channel magnetometer data: Experimental study of accuracy, resolution, and stability of different inversion methods. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	21
29	Quantifying the concentration of ferrimagnetic particles in sediments using rock magnetic methods. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	44
30	Process-Like Modeling of Flank-Margin Caves: From Genesis to Burial Evolution. Journal of Sedimentary Research, 2007, 77, 965-979.	1.6	41