

Adriano Mazzini

List of Publications by Citations

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78
papers

2,183
citations

26
h-index

44
g-index

104
ext. papers

2,521
ext. citations

4.2
avg. IF

5.18
L-index

#	Paper	IF	Citations
78	Triggering and dynamic evolution of the LUSI mud volcano, Indonesia. <i>Earth and Planetary Science Letters</i> , 2007 , 261, 375-388	5.3	194
77	Mud volcanism: An updated review. <i>Earth-Science Reviews</i> , 2017 , 168, 81-112	10.2	157
76	Saucer-shaped intrusions: Occurrences, emplacement and implications. <i>Earth and Planetary Science Letters</i> , 2008 , 266, 195-204	5.3	149
75	Strike-slip faulting as a trigger mechanism for overpressure release through piercement structures. Implications for the Lusi mud volcano, Indonesia. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1751-1765	4.7	114
74	Methane-related authigenic carbonates from the Black Sea: geochemical characterisation and relation to seeping fluids. <i>Marine Geology</i> , 2004 , 212, 153-181	3.3	102
73	When mud volcanoes sleep: Insight from seep geochemistry at the Dashgil mud volcano, Azerbaijan. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1704-1715	4.7	78
72	Comparison and implications from strikingly different authigenic carbonates in a Nyegga complex pockmark, G11, Norwegian Sea. <i>Marine Geology</i> , 2006 , 231, 89-102	3.3	76
71	Martian mud volcanism: Terrestrial analogs and implications for formational scenarios. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1866-1878	4.7	74
70	A new hydrothermal scenario for the 2006 Lusi eruption, Indonesia. Insights from gas geochemistry. <i>Earth and Planetary Science Letters</i> , 2012 , 317-318, 305-318	5.3	72
69	4D imaging of fracturing in organic-rich shales during heating. <i>Journal of Geophysical Research</i> , 2011 , 116,		67
68	Early Jurassic shale chemostratigraphy and U/Pb ages from the Neuqu� Basin (Argentina): Implications for the Toarcian Oceanic Anoxic Event. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 633-643	5.3	60
67	Fluid origin, gas fluxes and plumbing system in the sediment-hosted Salton Sea Geothermal System (California, USA). <i>Journal of Volcanology and Geothermal Research</i> , 2011 , 205, 67-83	2.8	43
66	Complex plumbing systems in the near subsurface: Geometries of authigenic carbonates from Dolgovskoy Mound (Black Sea) constrained by analogue experiments. <i>Marine and Petroleum Geology</i> , 2008 , 25, 457-472	4.7	43
65	A climatic trigger for the giant Troll pockmark field in the northern North Sea. <i>Earth and Planetary Science Letters</i> , 2017 , 464, 24-34	5.3	40
64	Origin and timing of sand injection, petroleum migration, and diagenesis in Tertiary reservoirs, south Viking Graben, North Sea. <i>AAPG Bulletin</i> , 2005 , 89, 329-357	2.5	40
63	Seep mounds on the Southern Viking Plateau (offshore Norway). <i>Marine and Petroleum Geology</i> , 2010 , 27, 1235-1261	4.7	37
62	Mud volcanism: Processes and implications. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1677-1680	4.7	37

61	Morphology, evolution and fill: Implications for sand and mud distribution in filling deep-water canyons and slope channel complexes. <i>Sedimentary Geology</i> , 2005 , 179, 71-97	2.8	36
60	A 4D Synchrotron X-Ray-Tomography Study of the Formation of Hydrocarbon- Migration Pathways in Heated Organic-Rich Shale. <i>SPE Journal</i> , 2013 , 18, 366-377	3.1	35
59	Authigenic carbonate precipitates from the NE Black Sea: a mineralogical, geochemical, and lipid biomarker study. <i>International Journal of Earth Sciences</i> , 2009 , 98, 677-695	2.2	34
58	First sampling of gas hydrate from the Vøring Plateau. <i>Eos</i> , 2007 , 88, 209-212	1.5	34
57	Pockmarks and methanogenic carbonates above the giant Troll gas field in the Norwegian North Sea. <i>Marine Geology</i> , 2016 , 373, 26-38	3.3	30
56	Fluid escape from reservoirs: implications from cold seeps, fractures and injected sands Part I. The fluid flow system. <i>Journal of Geochemical Exploration</i> , 2003 , 78-79, 293-296	3.8	30
55	The Plumbing System Feeding the Lusi Eruption Revealed by Ambient Noise Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 8200-8213	3.6	28
54	The Chachil Limestone (Pliensbachian-Early Toarcian) Neuquén Basin, Argentina: U-Pb age calibration and its significance on the Early Jurassic evolution of southwestern Gondwana. <i>Journal of South American Earth Sciences</i> , 2013 , 42, 171-185	2	28
53	Integrated petrographic and geochemical record of hydrocarbon seepage on the Vøring Plateau. <i>Journal of the Geological Society</i> , 2005 , 162, 815-827	2.7	26
52	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	24
51	Radon and carbon gas anomalies along the Watakosek Fault System and Lusi mud eruption, Indonesia. <i>Marine and Petroleum Geology</i> , 2018 , 90, 77-90	4.7	24
50	Palaeo-carbonate seep structures above an oil reservoir, Gryphon Field, Tertiary, North Sea. <i>Geo-Marine Letters</i> , 2003 , 23, 323-339	1.9	23
49	Sediment-hosted geothermal systems: Review and first global mapping. <i>Earth-Science Reviews</i> , 2019 , 192, 529-544	10.2	22
48	Lusi, a clastic-dominated geysering system in Indonesia recently explored by surface and subsurface observations. <i>Terra Nova</i> , 2017 , 29, 13-19	3	22
47	The Porcupine Bank Canyon coral mounds: oceanographic and topographic steering of deep-water carbonate mound development and associated phosphatic deposition. <i>Geo-Marine Letters</i> , 2012 , 32, 205-225	1.9	20
46	Fluid inclusion studies of chemosynthetic carbonates: strategy for seeking life on Mars. <i>Astrobiology</i> , 2002 , 2, 43-57	3.7	20
45	Dynamics of hydrothermal seeps from the Salton Sea geothermal system (California, USA) constrained by temperature monitoring and time series analysis. <i>Journal of Geophysical Research</i> , 2009 , 114,		19
44	Large-scale hydrocarbon-driven sand injection in the Paleogene of the North Sea. <i>Earth and Planetary Science Letters</i> , 2005 , 239, 327-335	5.3	19

43	The geochemistry and origin of the hydrothermal water erupted at Lusi, Indonesia. <i>Marine and Petroleum Geology</i> , 2018 , 90, 52-66	4-7	17
42	More than ten years of Lusi: A review of facts, coincidences, and past and future studies. <i>Marine and Petroleum Geology</i> , 2018 , 90, 10-25	4-7	16
41	Drone high resolution infrared imaging of the Lusi mud eruption. <i>Marine and Petroleum Geology</i> , 2018 , 90, 38-51	4-7	16
40	Comment to paper: Evaluating the temporal link between the Karoo LIP and climaticBiologic events of the Toarcian Stage with high-precision U Pb geochronology by Bryan Sell, Maria Ovtcharova, Jean Guex, Annachiara Bartolini, Fred Jourdan, Jorge E. Spangenberg, Jean-Claude Wignall. <i>Earth and Planetary Science Letters</i> , 2019 , 507, 1-11	5-3	16
39	Controls on the geomorphic expression and evolution of gryphons, pools, and caldera features at hydrothermal seeps in the Salton Sea Geothermal Field, southern California. <i>Geomorphology</i> , 2011 , 130, 327-342	4-3	16
38	The Lusi drone: A multidisciplinary tool to access extreme environments. <i>Marine and Petroleum Geology</i> , 2018 , 90, 26-37	4-7	13
37	Modelling fluid flow in clastic eruptions: Application to the Lusi mud eruption. <i>Marine and Petroleum Geology</i> , 2018 , 90, 173-190	4-7	13
36	Experimental evidence for lava-like mud flows under Martian surface conditions. <i>Nature Geoscience</i> , 2020 , 13, 403-407	18.3	12
35	Modelling of gas generation following emplacement of an igneous sill below Lusi, East Java, Indonesia. <i>Marine and Petroleum Geology</i> , 2018 , 90, 201-208	4-7	12
34	The Arjuno-Welirang volcanic complex and the connected Lusi system: Geochemical evidences. <i>Marine and Petroleum Geology</i> , 2018 , 90, 67-76	4-7	12
33	Genesis and evolution of the Watukosek fault system in the Lusi area (East Java). <i>Marine and Petroleum Geology</i> , 2018 , 90, 125-137	4-7	12
32	Deep hydrothermal activity driving the Lusi mud eruption. <i>Earth and Planetary Science Letters</i> , 2018 , 497, 42-49	5-3	11
31	Neotectonics of the Sea of Galilee (northeast Israel): implication for geodynamics and seismicity along the Dead Sea Fault system. <i>Scientific Reports</i> , 2020 , 10, 11932	4-9	11
30	Lusi hydrothermal structure inferred through ambient vibration measurements. <i>Marine and Petroleum Geology</i> , 2018 , 90, 116-124	4-7	10
29	Fluid escape from reservoirs: implications from cold seeps, fractures and injected sands Part II. The fluids involved. <i>Journal of Geochemical Exploration</i> , 2003 , 78-79, 297-300	3-8	10
28	Origin and age of carbonate clasts from the Lusi eruption, Java, Indonesia. <i>Marine and Petroleum Geology</i> , 2018 , 90, 138-148	4-7	10
27	Seismicity at Lusi and the adjacent volcanic complex, Java, Indonesia. <i>Marine and Petroleum Geology</i> , 2018 , 90, 149-156	4-7	10
26	Recent magmatism drives hydrocarbon generation in north-east Java, Indonesia. <i>Scientific Reports</i> , 2020 , 10, 1786	4-9	9

25	Insights on the structure of Lusi mud edifice from land gravity data. <i>Marine and Petroleum Geology</i> , 2018 , 90, 104-115	4.7	9
24	Relevant methane emission to the atmosphere from a geological gas manifestation. <i>Scientific Reports</i> , 2021 , 11, 4138	4.9	8
23	Mantle-Derived Fluids in the East Java Sedimentary Basin, Indonesia. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 7962-7977	3.6	7
22	Enhanced hydrothermal processes at the new-born Lusi eruptive system, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2018 , 366, 47-57	2.8	7
21	Constraints on density changes in the funnel-shaped caldera inferred from gravity monitoring of the Lusi mud eruption. <i>Marine and Petroleum Geology</i> , 2018 , 90, 91-103	4.7	6
20	The pre-breakup stratigraphy and petroleum system of the Southern Jan Mayen Ridge revealed by seafloor sampling. <i>Tectonophysics</i> , 2019 , 760, 152-164	3.1	6
19	Constraints on gas release from shallow lake sediments— case study from the Sea of Galilee. <i>Geo-Marine Letters</i> , 2019 , 39, 377-390	1.9	5
18	Modelling fluid flow in active clastic piercements: Challenges and approaches. <i>Marine and Petroleum Geology</i> , 2018 , 90, 157-172	4.7	5
17	Concentric Structures and Hydrothermal Venting in the Western Desert, Egypt. <i>Frontiers in Earth Science</i> , 2019 , 7,	3.5	5
16	Geochemical characterization of the Nirano mud volcano, Italy. <i>Applied Geochemistry</i> , 2019 , 102, 77-87	3.5	5
15	Numerical modeling of the Lusi hydrothermal system: Initial results and future challenges. <i>Marine and Petroleum Geology</i> , 2018 , 90, 191-200	4.7	4
14	Tectonics of the Dead Sea Fault Driving the July 2018 Seismic Swarm in the Sea of Galilee (Lake Kinneret), Israel. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018963	3.6	4
13	Upper Cretaceous-Paleogene stratigraphy and development of the Måhøir High, Vøring Transform Margin, Norwegian Sea. <i>Marine and Petroleum Geology</i> , 2020 , 122, 104717	4.7	4
12	Shallow-rooted mud volcanism in Lake Baikal. <i>Marine and Petroleum Geology</i> , 2019 , 102, 580-589	4.7	4
11	Explosive mud volcano eruptions and rafting of mud breccia blocks. <i>Earth and Planetary Science Letters</i> , 2021 , 555, 116699	5.3	3
10	Tectonic insight and 3-D modelling of the Lusi (Java, Indonesia) mud edifice through gravity analyses. <i>Geophysical Journal International</i> , 2021 , 225, 984-997	2.6	3
9	Mud flow levitation on Mars: Insights from laboratory simulations. <i>Earth and Planetary Science Letters</i> , 2020 , 545, 116406	5.3	2
8	Northward migration of the Javanese volcanic arc along thrust faults. <i>Earth and Planetary Science Letters</i> , 2022 , 577, 117258	5.3	2

7	Newly Discovered Hydrate-Bearing Structure in Lake Baikal. <i>Moscow University Geology Bulletin</i> , 2018 , 73, 582-587	0.4	1
6	3D Deep Electrical Resistivity Tomography of the Lusi Eruption Site in East Java. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092632	4.9	1
5	Multi-GPU based 3D numerical modeling of fluid migration and clay dehydration influence on Lusi hydrothermal activity (Java, Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2021 , 419, 107377	3.8	1
4	Hydrocarbon Gas Seepage along the Gydratny Fault (Lake Baikal). <i>Moscow University Geology Bulletin</i> , 2021 , 76, 353-365	0.4	0
3	Characterizing ancient and modern hydrothermal venting systems. <i>Marine Geology</i> , 2022 , 447, 106781	3.3	0
2	New evidence for sedimentary volcanism on Chryse Planitia, Mars. <i>Icarus</i> , 2022 , 382, 115038	3.8	0
1	Hydrocarbon gas seepage along the Gydratny Fault (Lake Baikal). <i>Vestnik - Moskvoskogo Universiteta, Seriya Geologiya</i> , 2022 , 1, 3-16	0.1	