Adriano Mazzini

List of Publications by Year
in descending order

82 papers	2,851 citations	172207 29 h-index	189595 50 g-index
104 all docs	104 docs citations	104 times ranked	2380 citing authors

#	Article	IF	Citations
1	Mud volcanism: An updated review. Earth-Science Reviews, 2017, 168, 81-112.	4.0	240
2	Triggering and dynamic evolution of the LUSI mud volcano, Indonesia. Earth and Planetary Science Letters, 2007, 261, 375-388.	1.8	234
3	Saucer-shaped intrusions: Occurrences, emplacement and implications. Earth and Planetary Science Letters, 2008, 266, 195-204.	1.8	168
4	Strike-slip faulting as a trigger mechanism for overpressure release through piercement structures. Implications for the Lusi mud volcano, Indonesia. Marine and Petroleum Geology, 2009, 26, 1751-1765.	1.5	134
5	Methane-related authigenic carbonates from the Black Sea: geochemical characterisation and relation to seeping fluids. Marine Geology, 2004, 212, 153-181.	0.9	119
6	Martian mud volcanism: Terrestrial analogs and implications for formational scenarios. Marine and Petroleum Geology, 2009, 26, 1866-1878.	1.5	98
7	When mud volcanoes sleep: Insight from seep geochemistry at the Dashgil mud volcano, Azerbaijan. Marine and Petroleum Geology, 2009, 26, 1704-1715.	1.5	93
8	Comparison and implications from strikingly different authigenic carbonates in a Nyegga complex pockmark, G11, Norwegian Sea. Marine Geology, 2006, 231, 89-102.	0.9	90
9	4D imaging of fracturing in organic-rich shales during heating. Journal of Geophysical Research, 2011, 116, .	3.3	87
10	A new hydrothermal scenario for the 2006 Lusi eruption, Indonesia. Insights from gas geochemistry. Earth and Planetary Science Letters, 2012, 317-318, 305-318.	1.8	80
11	Early Jurassic shale chemostratigraphy and Uâ€“Pb ages from the NeuquÃ©n Basin (Argentina): Implications for the Toarcian Oceanic Anoxic Event. Earth and Planetary Science Letters, 2010, 297, 633-645.	1.8	68
12	A climatic trigger for the giant Troll pockmark field in the northern North Sea. Earth and Planetary Science Letters, 2017, 464, 24-34.	1.8	54
13	Morphology, evolution and fill: Implications for sand and mud distribution in filling deep-water canyons and slope channel complexes. Sedimentary Geology, 2005, 179, 71-97.	1.0	53
14	Complex plumbing systems in the near subsurface: Geometries of authigenic carbonates from Dolgovskoy Mound (Black Sea) constrained by analogue experiments. Marine and Petroleum Geology, 2008, 25, 457-472.	1.5	53
15	Origin and timing of sand injection, petroleum migration, and diagenesis in Tertiary reservoirs, south Viking Graben, North Sea. AAPG Bulletin, 2005, 89, 329-357.	0.7	51
16	Fluid origin, gas fluxes and plumbing system in the sediment-hosted Salton Sea Geothermal System (California, USA). Journal of Volcanology and Geothermal Research, 2011, 205, 67-83.	0.8	47
17	Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. Frontiers in Earth Science, 2019, 7, .	0.8	46
18	Seep mounds on the Southern VÃ¸ring Plateau (offshore Norway). Marine and Petroleum Geology, 2010, 27, 1235-1261.	1.5	45

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19	A 4D Synchrotron X-Ray-Tomography Study of the Formation of Hydrocarbon- Migration Pathways in Heated Organic-Rich Shale. SPE Journal, 2013, 18, 366-377.	1.7	45
20	Authigenic carbonate precipitates from the NE Black Sea: a mineralogical, geochemical, and lipid biomarker study. International Journal of Earth Sciences, 2009, 98, 677-695.	0.9	42
21	Mud volcanism: Processes and implications. Marine and Petroleum Geology, 2009, 26, 1677-1680.	1.5	41
22	Pockmarks and methanogenic carbonates above the giant Troll gas field in the Norwegian North Sea. Marine Geology, 2016, 373, 26-38.	0.9	40
23	Sediment-hosted geothermal systems: Review and first global mapping. Earth-Science Reviews, 2019, 192, 529-544.	4.0	39
24	First sampling of gas hydrate from the VÃ¸ring Plateau. Eos, 2007, 88, 209-212.	0.1	38
25	The Plumbing System Feeding the Lusi Eruption Revealed by Ambient Noise Tomography. Journal of Geophysical Research: Solid Earth, 2017, 122, 8200-8213.	1.4	36
26	Fluid escape from reservoirs: implications fromcold seeps, fractures and injected sands Part I. The fluid flow system. Journal of Geochemical Exploration, 2003, 78-79, 293-296.	1.5	34
27	Radon and carbon gas anomalies along the Watukosek Fault System and Lusi mud eruption, Indonesia. Marine and Petroleum Geology, 2018, 90, 77-90.	1.5	32
28	Integrated petrographic and geochemical record of hydrocarbon seepage on the VÃ¸ring Plateau. Journal of the Geological Society, 2005, 162, 815-827.	0.9	31
29	The Chachil Limestone (Pliensbachianâ€“earliest Toarcian) NeuquÃ©n Basin, Argentina: Uâ€“Pb age calibration and its significance on the Early Jurassic evolution of southwestern Gondwana. Journal of South American Earth Sciences, 2013, 42, 171-185.	0.6	31
30	Palaeo-carbonate seep structures above an oil reservoir, Gryphon Field, Tertiary, North Sea. Geo-Marine Letters, 2003, 23, 323-339.	0.5	30
31	Experimental evidence for lava-like mud flows under Martian surface conditions. Nature Geoscience, 2020, 13, 403-407.	5.4	29
32	The Lusi drone: A multidisciplinary tool to access extreme environments. Marine and Petroleum Geology, 2018, 90, 26-37.	1.5	28
33	Drone high resolution infrared imaging of the Lusi mud eruption. Marine and Petroleum Geology, 2018, 90, 38-51.	1.5	27
34	Lusi, a clasticâ€dominated geysering system in Indonesia recently explored by surface and subsurface observations. Terra Nova, 2017, 29, 13-19.	0.9	25
35	The Porcupine Bank Canyon coral mounds: oceanographic and topographic steering of deep-water carbonate mound development and associated phosphatic deposition. Geo-Marine Letters, 2012, 32, 205-225.	0.5	23
36	Fluid Inclusion Studies of Chemosynthetic Carbonates: Strategy for Seeking Life on Mars. Astrobiology, 2002, 2, 43-57.	1.5	22

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37	Large-scale hydrocarbon-driven sand injection in the Paleogene of the North Sea. Earth and Planetary Science Letters, 2005, 239, 327-335.	1.8	21
38	Dynamics of hydrothermal seeps from the Salton Sea geothermal system (California, USA) constrained by temperature monitoring and time series analysis. Journal of Geophysical Research, 2009, 114, .	3.3	21
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. Geomorphology, 2011, 130, 327-342.	1.1	21
40	The geochemistry and origin of the hydrothermal water erupted at Lusi, Indonesia. Marine and Petroleum Geology, 2018, 90, 52-66.	1.5	21
41	More than ten years of Lusi: A review of facts, coincidences, and past and future studies. Marine and Petroleum Geology, 2018, 90, 10-25.	1.5	20
42	Comment to paper: Evaluating the temporal link between the Karoo LIP and climaticâ€“biologic events of the Toarcian Stage with high-precision Uâ€“Pb geochronology by Bryan Sell, Maria Ovtcharova, Jean Guex, Annachiara Bartolini, Fred Jourdan, Jorge E. Spangenberg, Jean-Claude Vicente, Urs Schaltegger in Earth and Planetary Science Letters 408 (2014) 48â€“56. Earth and Planetary Science Letters, 2016, 434, 349-352.	1.8	17
43	Geochemical characterization of the Nirano mud volcano, Italy. Applied Geochemistry, 2019, 102, 77-87.	1.4	17
44	Neotectonics of the Sea of Galilee (northeast Israel): implication for geodynamics and seismicity along the Dead Sea Fault system. Scientific Reports, 2020, 10, 11932.	1.6	17
45	Relevant methane emission to the atmosphere from a geological gas manifestation. Scientific Reports, 2021, 11, 4138.	1.6	17
46	Insights on the structure of Lusi mud edifice from land gravity data. Marine and Petroleum Geology, 2018, 90, 104-115.	1.5	16
47	Genesis and evolution of the Watukosek fault system in the Lusi area (East Java). Marine and Petroleum Geology, 2018, 90, 125-137.	1.5	15
48	Modelling fluid flow in clastic eruptions: Application to the Lusi mud eruption. Marine and Petroleum Geology, 2018, 90, 173-190.	1.5	15
49	Modelling of gas generation following emplacement of an igneous sill below Lusi, East Java, Indonesia. Marine and Petroleum Geology, 2018, 90, 201-208.	1.5	14
50	The Arjuno-Welirang volcanic complex and the connected Lusi system: Geochemical evidences. Marine and Petroleum Geology, 2018, 90, 67-76.	1.5	13
51	Shallow-rooted mud volcanism in Lake Baikal. Marine and Petroleum Geology, 2019, 102, 580-589.	1.5	13
52	Recent magmatism drives hydrocarbon generation in north-east Java, Indonesia. Scientific Reports, 2020, 10, 1786.	1.6	13
53	Lusi hydrothermal structure inferred through ambient vibration measurements. Marine and Petroleum Geology, 2018, 90, 116-124.	1.5	12
54	Seismicity at Lusi and the adjacent volcanic complex, Java, Indonesia. Marine and Petroleum Geology, 2018, 90, 149-156.	1.5	12

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55	Deep hydrothermal activity driving the Lusi mud eruption. Earth and Planetary Science Letters, 2018, 497, 42-49.	1.8	12
56	Concentric Structures and Hydrothermal Venting in the Western Desert, Egypt. Frontiers in Earth Science, 2019, 7, .	0.8	12
57	The pre-breakup stratigraphy and petroleum system of the Southern Jan Mayen Ridge revealed by seafloor sampling. Tectonophysics, 2019, 760, 152-164.	0.9	12
58	Explosive mud volcano eruptions and rafting of mud breccia blocks. Earth and Planetary Science Letters, 2021, 555, 116699.	1.8	11
59	Characterizing ancient and modern hydrothermal venting systems. Marine Geology, 2022, 447, 106781.	0.9	11
60	Fluid escape from reservoirs: implications fromcold seeps, fractures and injected sands Part II. The fluids involved. Journal of Geochemical Exploration, 2003, 78-79, 297-300.	1.5	10
61	Origin and age of carbonate clasts from the Lusi eruption, Java, Indonesia. Marine and Petroleum Geology, 2018, 90, 138-148.	1.5	10
62	Mantleâ€Derived Fluids in the East Java Sedimentary Basin, Indonesia. Journal of Geophysical Research: Solid Earth, 2019, 124, 7962-7977.	1.4	10
63	Upper Cretaceous-Paleogene stratigraphy and development of the MÃ¸mir High, VÃ¸ring Transform Margin, Norwegian Sea. Marine and Petroleum Geology, 2020, 122, 104717.	1.5	10
64	Constraints on density changes in the funnel-shaped caldera inferred from gravity monitoring of the Lusi mud eruption. Marine and Petroleum Geology, 2018, 90, 91-103.	1.5	9
65	Modelling fluid flow in active clastic piercements: Challenges and approaches. Marine and Petroleum Geology, 2018, 90, 157-172.	1.5	9
66	Enhanced hydrothermal processes at the new-born Lusi eruptive system, Indonesia. Journal of Volcanology and Geothermal Research, 2018, 366, 47-57.	0.8	9
67	Constraints on gas release from shallow lake sedimentsâ€"a case study from the Sea of Galilee. Geo-Marine Letters, 2019, 39, 377-390.	0.5	9
68	3D Deep Electrical Resistivity Tomography of the Lusi Eruption Site in East Java. Geophysical Research Letters, 2021, 48, e2021GL092632.	1.5	8
69	Tectonics of the Dead Sea Fault Driving the July 2018 Seismic Swarm in the Sea of Galilee (Lake) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	7
70	Mud flow levitation on Mars: Insights from laboratory simulations. Earth and Planetary Science Letters, 2020, 545, 116406.	1.8	6
71	Tectonic insight and 3-D modelling of the Lusi (Java, Indonesia) mud edifice through gravity analyses. Geophysical Journal International, 2021, 225, 984-997.	1.0	6
72	Northward migration of the Javanese volcanic arc along thrust faults. Earth and Planetary Science Letters, 2022, 577, 117258.	1.8	6

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73	Newly Discovered Hydrate-Bearing Structure in Lake Baikal. Moscow University Geology Bulletin, 2018, 73, 582-587.	0.0	5
74	Hydrocarbon Gas Seepage along the Gydratny Fault (Lake Baikal). Moscow University Geology Bulletin, 2021, 76, 353-365.	0.0	5
75	New evidence for sedimentary volcanism on Chryse Planitia, Mars. Icarus, 2022, 382, 115038.	1.1	5
76	Insights into the dynamics of the Nirano Mud Volcano through seismic characterization of drumbeat signals and V/H analysis. Journal of Volcanology and Geothermal Research, 2022, 431, 107619.	0.8	5
77	Numerical modeling of the Lusi hydrothermal system: Initial results and future challenges. Marine and Petroleum Geology, 2018, 90, 191-200.	1.5	4
78	Multi-GPU based 3D numerical modeling of fluid migration and clay dehydration influence on Lusi hydrothermal activity (Java, Indonesia). Journal of Volcanology and Geothermal Research, 2021, 419, 107377.	0.8	1
79	UAV: A multidisciplinary tool to access extreme enviroments. , 2014, , .		0
80	The Lusi seismic experiment: An initial study to understand the effect of seismic activity to Lusi. AIP Conference Proceedings, 2015, , .	0.3	0
81	Hydrocarbon gas seepage along the Gydratny Fault (Lake Baikal). Vestnik - Moskvoskogo Universiteta, Seriya Geologiya, 2022, 1, 3-16.	0.0	0
82	Variations in molecular and isotopes composition of seepage gases in the north-western and south-eastern parts of Lake Baikal. Georesursy, 2022, 24, 209-216.	0.3	0