

Marco Ligi

List of Publications by Year in descending order

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74
papers

2,001
citations

218662

26
h-index

265191

42
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80
all docs

80
docs citations

80
times ranked

1830
citing authors

#	ARTICLE	IF	CITATIONS
1	Early stage diapirism in the Red Sea deep-water evaporites: Origins and length-scales. <i>Tectonophysics</i> , 2022, 831, 229331.	2.2	4
2	Structure of Spreading Segments of the Mid-Atlantic Ridge between the Arkhangelsky and Bogdanov Transform Faults, Equatorial Atlantic. <i>Geotectonics</i> , 2022, 56, 1-20.	0.9	1
3	Peculiarities of the Tectonomagmatic Processes in the Interaction Area between the Icelandic Plume and the Bight Transform Fault (North Atlantic). <i>Doklady Earth Sciences</i> , 2022, 504, 233-239.	0.7	3
4	Generation and evolution of the oceanic lithosphere in the North Atlantic. <i>Rivista Del Nuovo Cimento</i> , 2022, 45, 587-659.	5.7	3
5	Tsunami potential source in the eastern Sea of Marmara (NW Turkey), along the North Anatolian Fault system. <i>Landslides</i> , 2022, 19, 2295-2310.	5.4	3
6	Geological and Geophysical Studies of the Charlie Gibbs Fracture Zone (North Atlantic). <i>Doklady Earth Sciences</i> , 2021, 497, 191-194.	0.7	5
7	Hidden but Ubiquitous: The Pre-Rift Continental Mantle in the Red Sea Region. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
8	Recent inversion of the Tyrrhenian Basin. <i>Geology</i> , 2020, 48, 123-127.	4.4	25
9	Potential mass movements on the Palinuro volcanic chain (southern Tyrrhenian Sea, Italy) and consequent tsunami generation. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 404, 107025.	2.1	6
10	Ultra-depleted melt refertilization of mantle peridotites in a large intra-transform domain (Doldrums) Tj ETQq0 0 0 r gBT /Overlock 10 Tf .	1.4	4
11	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.	3.3	17
12	Origin of oceanic ferrodiorites by injection of nelsonitic melts in gabbros at the Vema Lithospheric Section, Mid Atlantic Ridge. <i>Lithos</i> , 2020, 368-369, 105589.	1.4	11
13	Sediment Dynamics of the Neretva Channel (Croatia Coast) Inferred by Chemical and Physical Proxies. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 807.	2.5	8
14	High H2O Content in Pyroxenes of Residual Mantle Peridotites at a Mid Atlantic Ridge Segment. <i>Scientific Reports</i> , 2020, 10, 579.	3.3	8
15	Geology of Egypt: The Northern Red Sea. <i>Regional Geology Reviews</i> , 2020, , 343-374.	1.2	12
16	The Bortoluzzi Mud Volcano (Ionian Sea, Italy) and its potential for tracking the seismic cycle of active faults. <i>Solid Earth</i> , 2019, 10, 741-763.	2.8	6
17	The synthetic seismic expression of the Messinian salinity crisis from onshore records: Implications for shallowâ€•to deepâ€•water correlations. <i>Basin Research</i> , 2019, 31, 1121-1152.	2.7	17
18	Fault-controlled deep hydrothermal flow in a back-arc tectonic setting, SE Tyrrhenian Sea. <i>Scientific Reports</i> , 2019, 9, 17724.	3.3	9

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19	Variations in Plio-Pleistocene Deposition in the Red Sea. , 2019, , 323-339.		6
20	Oceanization Starts at Depth During Continental Rupturing in the Northern Red Sea. , 2019, , 131-157.		10
21	Volcanism in the Azores: A Marine Geophysical Perspective. Active Volcanoes of the World, 2018, , 101-126.	1.4	7
22	Birth of an ocean in the Red Sea: Oceanic-type basaltic melt intrusions precede continental rupture. Gondwana Research, 2018, 54, 150-160.	6.0	52
23	Shallow water acoustic techniques to investigate transitional environments: A case study over Boka Kotorska Bay. Measurement: Journal of the International Measurement Confederation, 2018, 126, 382-391.	5.0	3
24	Deformation of a young salt giant: regional topography of the <scp>R</scp>ed <scp>S</scp>ea <scp>M</scp>iocene evaporites. Basin Research, 2017, 29, 352-369.	2.7	23
25	Transfer zones in an oblique back-arc basin setting: Insights from the Latium-Campania segmented margin (Tyrrhenian Sea). Tectonics, 2017, 36, 78-107.	2.8	25
26	Styles and rates of deformation in the frontal accretionary wedge of the Calabrian Arc (Ionian Sea): controls exerted by the structure of the lower African plate. Italian Journal of Geosciences, 2017, 136, 347-364.	0.8	13
27	An updated reconstruction of basaltic crust emplacement in Tyrrhenian sea, Italy. Scientific Reports, 2017, 7, 18024.	3.3	10
28	Extreme mantle uplift and exhumation along a transpressive transform fault. Nature Geoscience, 2016, 9, 619-623.	12.9	70
29	Morphobathymetry of Boka Kotorska Bay. Handbook of Environmental Chemistry, 2016, , 69-88.	0.4	4
30	Geomorphology of the central Red Sea Rift: Determining spreading processes. Geomorphology, 2016, 274, 162-179.	2.6	49
31	The Ventotene Volcanic Ridge: a newly explored complex in the central Tyrrhenian Sea (Italy). Bulletin of Volcanology, 2016, 78, 1.	3.0	9
32	Red Sea isolation history suggested by Plio-Pleistocene seismic reflection sequences. Earth and Planetary Science Letters, 2015, 430, 387-397.	4.4	17
33	Seafloor Spreading Initiation: Geophysical and Geochemical Constraints from the Thetis and Nereus Deeps, Central Red Sea. Springer Earth System Sciences, 2015, , 79-98.	0.2	16
34	Near-Bottom Magnetic Signatures of Submarine Hydrothermal Systems at Marsili and Palinuro Volcanoes, Southern Tyrrhenian Sea, Italy. Economic Geology, 2014, 109, 2119-2128.	3.8	24
35	Mapping of Seafloor Hydrothermally Altered Rocks Using Geophysical Methods: Marsili and Palinuro Seamounts, Southern Tyrrhenian Sea. Economic Geology, 2014, 109, 2103-2117.	3.8	22
36	Nonvolcanic tectonic islands in ancient and modern oceans. Geochemistry, Geophysics, Geosystems, 2013, 14, 4698-4717.	2.5	28

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37	Serpentinization of mantle peridotites along an uplifted lithospheric section, Mid Atlantic Ridge at 11° N. <i>Lithos</i> , 2013, 178, 3-23.	1.4	64
38	Chapter 4 Bathy-morphological setting of the Aeolian Islands. <i>Geological Society Memoir</i> , 2013, 37, 27-36.	1.7	33
39	Post-Mesozoic Rapid Increase of Seawater Mg/Ca due to Enhanced Mantle-Seawater Interaction. <i>Scientific Reports</i> , 2013, 3, 2752.	3.3	26
40	The tectonic puzzle of the Messina area (Southern Italy): Insights from new seismic reflection data. <i>Scientific Reports</i> , 2012, 2, 970.	3.3	40
41	Birth of an ocean in the Red Sea: Initial pangs. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	78
42	Comment on "Formation of Thetis Deep metal-rich sediments in the absence of brines, Red Sea" by. <i>Journal of Geochemical Exploration</i> , 2011, 108, 112-113.	3.2	10
43	Initial burst of oceanic crust accretion in the Red Sea due to edge-driven mantle convection. <i>Geology</i> , 2011, 39, 1019-1022.	4.4	51
44	Interactions between volcanism and tectonics in the western Aeolian sector, southern Tyrrhenian Sea. <i>Geophysical Journal International</i> , 2010, 183, 64-78.	2.4	26
45	Submarine salt flows in the central Red Sea. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 701-713.	3.3	75
46	Tectonostratigraphy of Lake Trasimeno (Italy) and the geological evolution of the Northern Apennines. <i>Tectonophysics</i> , 2010, 492, 164-174.	2.2	17
47	Potential field modeling of collapse-prone submarine volcanoes in the southern Tyrrhenian Sea (Italy). <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	31
48	26 million years of mantle upwelling below a segment of the Mid Atlantic Ridge: The Vema Lithospheric Section revisited. <i>Earth and Planetary Science Letters</i> , 2009, 285, 87-95.	4.4	35
49	A 19 to 17 Ma magmatic extension event at the Mid Atlantic Ridge: Ultramafic mylonites from the Vema Lithospheric Section. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	19
50	Three-dimensional passive mantle flow beneath mid-ocean ridges: an analytical approach. <i>Geophysical Journal International</i> , 2008, 175, 783-805.	2.4	28
51	Seismic Tomography Experiment at Italy's Stromboli Volcano. <i>Eos</i> , 2008, 89, 269-270.	0.1	11
52	Investigation of the Andrew Bain transform fault zone (African-Antarctic region). <i>Doklady Earth Sciences</i> , 2007, 416, 991-994.	0.7	2
53	Water-rich basalts at mid-ocean-ridge cold spots. <i>Nature</i> , 2005, 434, 66-69.	27.8	51
54	Flexural uplift of a lithospheric slab near the Vema transform (Central Atlantic): Timing and mechanisms. <i>Earth and Planetary Science Letters</i> , 2005, 240, 642-655.	4.4	69

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55	Mantle thermal pulses below the Mid-Atlantic Ridge and temporal variations in the formation of oceanic lithosphere. <i>Nature</i> , 2003, 423, 499-505.	27.8	107
56	Oceanic broad multifault transform plate boundaries. <i>Geology</i> , 2002, 30, 11.	4.4	56
57	Exploring submarine earthquake geology in the Marmara Sea. <i>Eos</i> , 2002, 83, 229.	0.1	23
58	Lower Cretaceous to Eocene sedimentary transverse ridge at the Romanche Fracture Zone and the opening of the equatorial Atlantic. <i>Marine Geology</i> , 2001, 176, 101-119.	2.1	29
59	Steady-state creation of crust-free lithosphere at cold spots in mid-ocean ridges. <i>Geology</i> , 2001, 29, 979.	4.4	34
60	Source of 1755 Lisbon earthquake and tsunami investigated. <i>Eos</i> , 2001, 82, 285-291.	0.1	111
61	Submersible observations of Equatorial Atlantic mantle: The St. Paul Fracture Zone region. <i>Marine Geophysical Researches</i> , 2000, 21, 529-560.	1.2	65
62	Bouvet Triple Junction in the South Atlantic: Geology and evolution. <i>Journal of Geophysical Research</i> , 1999, 104, 29365-29385.	3.3	39
63	The Vema Transverse Ridge (Central Atlantic). <i>Marine Geophysical Researches</i> , 1998, 20, 533-556.	1.2	32
64	Death and Transfiguration of a Triple Junction in the South Atlantic. <i>Science</i> , 1997, 276, 243-245.	12.6	31
65	Stratigraphic numerical modelling of a carbonate platform on the Romanche transverse ridge, equatorial Atlantic. <i>Marine Geology</i> , 1997, 136, 245-257.	2.1	17
66	Diffuse impact of the Mid-Atlantic Ridge with the Romanche transform: an ultracold ridge-transform intersection. <i>Journal of Geophysical Research</i> , 1996, 101, 8043-8054.	3.3	22
67	Lower Cretaceous deposits trapped near the equatorial Mid-Atlantic Ridge. <i>Nature</i> , 1996, 380, 518-520.	27.8	45
68	Transform migration and vertical tectonics at the Romanche fracture zone, equatorial Atlantic. <i>Journal of Geophysical Research</i> , 1994, 99, 21779-21802.	3.3	106
69	Imaging crustal uplift, emersion, and subsidence at the Vema Fracture Zone. <i>Eos</i> , 1994, 75, 371.	0.1	16
70	Mediterranean seabed in digital shaded relief. <i>Eos</i> , 1991, 72, 273-273.	0.1	6
71	DATUM: A FORTRAN 77 computer program for datum shift and conversion of geographical coordinates between different cartographic systems. <i>Computers and Geosciences</i> , 1989, 15, 449-518.	4.2	5
72	PLOTMAP: Geophysical and geological applications of good standard quality cartographic software. <i>Computers and Geosciences</i> , 1989, 15, 519-585.	4.2	28

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73	DIGMAP: a computer program for accurate acquisition by digitizer of geographical coordinates from conformal projections. <i>Computers and Geosciences</i> , 1986, 12, 175-197.	4.2	11
74	Crustal contamination and hybridization of an embryonic oceanic crust during the Red Sea rifting (Tihama Asir igneous complex, Saudi Arabia). <i>Journal of Petrology</i> , 0, , .	2.8	5