

Louis Gli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,082
citations

26
h-index

41
g-index

92
ext. papers

2,368
ext. citations

4.9
avg, IF

4.07
L-index

#	Paper	IF	Citations
87	Formation, segmentation and deep crustal structure variations along the Algerian margin from the SPIRAL seismic experiment. <i>Journal of African Earth Sciences</i> , 2022 , 186, 104433	2.2	1
86	Creep-dilatancy development at a transform plate boundary.. <i>Nature Communications</i> , 2022 , 13, 1913	17.4	1
85	A review of 20 years (1999-2019) of Turkish-French collaboration in marine geoscience research in the Sea of Marmara. <i>Mediterranean Geoscience Reviews</i> , 2021 , 3, 3-27	2.1	1
84	Evidence for methane isotopic bond re-ordering in gas reservoirs sourcing cold seeps from the Sea of Marmara. <i>Earth and Planetary Science Letters</i> , 2021 , 553, 116619	5.3	7
83	Reply to Comment on An Alternative View of the Microseismicity along the Western Main Marmara Fault by E. Batsi et al. by Y. Yamamoto et al.. <i>Bulletin of the Seismological Society of America</i> , 2020 , 110, 383-386	2.3	
82	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
81	Improved detection and Coulomb stress computations for gas-related, shallow seismicity, in the Western Sea of Marmara. <i>Earth and Planetary Science Letters</i> , 2019 , 513, 113-123	5.3	2
80	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. <i>Nature Communications</i> , 2019 , 10, 3006	17.4	22
79	Nonseismic Signals in the Ocean: Indicators of Deep Sea and Seafloor Processes on Ocean-Bottom Seismometer Data. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 3882-3900	3.6	3
78	Onland and Offshore Extrinsic Fabry-Perot Optical Seismometer at the End of a Long Fiber. <i>Seismological Research Letters</i> , 2019 , 90, 2205-2216	3	4
77	Spatial and temporal dynamics of gas-related processes in the Sea of Marmara monitored with ocean bottom seismometers. <i>Geophysical Journal International</i> , 2019 , 216, 1989-2003	2.6	5
76	Gas and seismicity within the Istanbul seismic gap. <i>Scientific Reports</i> , 2018 , 8, 6819	4.9	14
75	Multidisciplinary investigation on cold seeps with vigorous gas emissions in the Sea of Marmara (MarsiteCruise): Strategy for site detection and sampling and first scientific outcome. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018 , 153, 36-47	2.3	9
74	Multiple gas reservoirs are responsible for the gas emissions along the Marmara fault network. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018 , 153, 48-60	2.3	15
73	Causes of earthquake spatial distribution beneath the Izu-Bonin-Mariana Arc. <i>Journal of Asian Earth Sciences</i> , 2018 , 151, 90-100	2.8	12
72	An Alternative View of the Microseismicity along the Western Main Marmara Fault. <i>Bulletin of the Seismological Society of America</i> , 2018 , 108, 2650-2674	2.3	10
71	Corrigendum to Multiple gas reservoirs are responsible for the gas emissions along the Marmara fault network Deep-Sea Research Part II: Topical Studies in Oceanography, 2018 , 153, 145-149	2.3	3

70	Gas occurrence and shallow conduit systems in the Western Sea of Marmara: a review and new acoustic evidence. <i>Geo-Marine Letters</i> , 2018 , 38, 385-402	1.9	8
69	A statistical approach to relationships between fluid emissions and faults: The Sea of Marmara case. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018 , 153, 131-143	2.3	7
68	Upward migration of gas in an active tectonic basin: An example from the sea of Marmara. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018 , 153, 17-35	2.3	7
67	Focused hydrocarbon-migration in shallow sediments of a pockmark cluster in the Niger Delta (Off Nigeria). <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 93-112	3.6	13
66	No significant steady state surface creep along the North Anatolian Fault offshore Istanbul: Results of 6 months of seafloor acoustic ranging. <i>Geophysical Research Letters</i> , 2016 , 43, 6817-6825	4.9	28
65	Tectonic and sedimentary controls on widespread gas emissions in the Sea of Marmara: Results from systematic, shipborne multibeam echo sounder water column imaging. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 2891-2912	3.6	59
64	Pore water geochemistry at two seismogenic areas in the Sea of Marmara. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 2038-2057	3.6	16
63	Seafloor observations and observatory activities in the Sea of Marmara 2015 , 59-79		2
62	Seismic precursors linked to highly compressible fluids at oceanic transform faults. <i>Nature Geoscience</i> , 2014 , 7, 757-761	18.3	12
61	Acoustic monitoring of gas emissions from the seafloor. Part II: a case study from the Sea of Marmara. <i>Marine Geophysical Researches</i> , 2014 , 35, 211-229	2.3	27
60	Character of seismic motion at a location of a gas hydrate-bearing mud volcano on the SW Barents Sea margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 6159-6177	3.6	19
59	Seismic imaging of the eastern Algerian margin off Jijel: integrating wide-angle seismic modelling and multichannel seismic pre-stack depth migration. <i>Geophysical Journal International</i> , 2014 , 198, 1486-1503	2.6	23
58	Mass Transport Deposits Periodicity Related to Glacial Cycles and Marine-Lacustrine Transitions on a Poned Basin of the Sea of Marmara (Turkey) Over the Last 500 ka. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 595-603	1.8	4
57	Slip rate estimation along the western segment of the Main Marmara Fault over the last 405±90 ka by correlating mass transport deposits. <i>Tectonics</i> , 2013 , 32, 1587-1601	4.3	33
56	Microevents produced by gas migration and expulsion at the seabed: a study based on sea bottom recordings from the Sea of Marmara. <i>Geophysical Journal International</i> , 2012 , 190, 993-1007	2.6	20
55	Constraints on fluid origins and migration velocities along the Marmara Main Fault (Sea of Marmara, Turkey) using helium isotopes. <i>Earth and Planetary Science Letters</i> , 2012 , 341-344, 68-78	5.3	34
54	Map helps unravel complexities of the southwestern Pacific Ocean. <i>Eos</i> , 2012 , 93, 1-2	1.5	18
53	Distribution, morphology and triggers of submarine mass wasting in the Sea of Marmara. <i>Marine Geology</i> , 2012 , 329-331, 58-74	3.3	26

52	Heat flow in the Sea of Marmara Central Basin: Possible implications for the tectonic evolution of the North Anatolian fault. <i>Geology</i> , 2012 , 40, 3-6	5	30
51	Contribution of high-resolution 3D seismic near-seafloor imaging to reservoir-scale studies: application to the active North Anatolian Fault, Sea of Marmara. <i>Near Surface Geophysics</i> , 2012 , 10, 291-301	1.6	20
50	How far did the surface rupture of the 1999 Izmit earthquake reach in Sea of Marmara?. <i>Tectonics</i> , 2011 , 30,	4.3	17
49	Dynamics of fault-fluid-hydrate system around a shale-cored anticline in deepwater Nigeria. <i>Journal of Geophysical Research</i> , 2011 , 116,		23
48	Sea-Bottom Observations from the Western Escarpment of the Sea of Marmara. <i>Bulletin of the Seismological Society of America</i> , 2011 , 101, 775-791	2.3	16
47	Societal need for improved understanding of climate change, anthropogenic impacts, and geo-hazard warning drive development of ocean observatories in European Seas. <i>Progress in Oceanography</i> , 2011 , 91, 1-33	3.8	65
46	Ocean Gravity Models From Future Satellite Missions. <i>Eos</i> , 2010 , 91, 21-22	1.5	5
45	Pore fluid chemistry of the North Anatolian Fault Zone in the Sea of Marmara: A diversity of sources and processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	26
44	Geophysical characterization of bottom simulating reflectors in the Fairway Basin (off New Caledonia, Southwest Pacific), based on high resolution seismic profiles and heat flow data. <i>Marine Geology</i> , 2009 , 266, 80-90	3.3	18
43	Free gas and gas hydrates from the Sea of Marmara, Turkey. <i>Chemical Geology</i> , 2009 , 264, 197-206	4.2	94
42	Crustal structure of the SW-Moroccan margin from wide-angle and reflection seismic data (the DAKHLA experiment) Part A: Wide-angle seismic models. <i>Tectonophysics</i> , 2009 , 468, 63-82	3.1	47
41	Mesozoic history of the Fairway-Aotea Basin: Implications for the early stages of Gondwana fragmentation. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	41
40	Effect of bandwidth on seismic imaging of rotating stratified turbulence surrounding an anticyclonic eddy from field data and numerical simulations. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	15
39	High resolution seismic imaging of the ocean structure using a small volume airgun source array in the Gulf of Cadiz. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	10
38	Heat flow from the Southeast Indian Ridge flanks between 80°E and 140°E: Data review and analysis. <i>Journal of Geophysical Research</i> , 2008 , 113,		2
37	On the depth of oceanic earthquakes: Brief comments on the thermal structure of oceanic and continental lithosphere by McKenzie, D., Jackson, J. and Priestley, K., <i>Earth Plan. Sci. Lett.</i> , 233, [2005], 337-349. <i>Earth and Planetary Science Letters</i> , 2008 , 265, 766-772	5.3	5
36	Gas emissions and active tectonics within the submerged section of the North Anatolian Fault zone in the Sea of Marmara. <i>Earth and Planetary Science Letters</i> , 2008 , 274, 34-39	5.3	86
35	Tectonic history of northern New Caledonia Basin from deep offshore seismic reflection: Relation to late Eocene obduction in New Caledonia, southwest Pacific. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	41

34	Thermal regime of the Southeast Indian Ridge between 88°E and 140°E: Remarks on the subsidence of the ridge flanks. <i>Journal of Geophysical Research</i> , 2007 , 112,		11
33	Crustal structure of the basin and ridge system west of New Caledonia (southwest Pacific) from wide-angle and reflection seismic data. <i>Journal of Geophysical Research</i> , 2007 , 112,		43
32	Bathymetry from space: Rationale and requirements for a new, high-resolution altimetric mission. <i>Comptes Rendus - Geoscience</i> , 2006 , 338, 1049-1062	1.4	35
31	2-D and 3-D modelling of wide-angle seismic data: an example from the Vøring volcanic passive margin. <i>Marine Geophysical Researches</i> , 2006 , 27, 181-199	2.3	6
30	Seismic imaging of the ocean internal structure: A new tool in physical oceanography?. <i>Eos</i> , 2005 , 86, 15	1.5	2
29	Discovery of continental stretching and oceanic spreading in the Tasman Sea. <i>Eos</i> , 2005 , 86, 101	1.5	10
28	Geological constraints on the evolution of the Angolan margin based on reflection and refraction seismic data (ZaïAngo project). <i>Geophysical Journal International</i> , 2005 , 162, 793-810	2.6	145
27	Deep structure of the West African continental margin (Congo, Zaïre, Angola), between 5°S and 8°S, from reflection/refraction seismics and gravity data. <i>Geophysical Journal International</i> , 2004 , 158, 529-553	2.6	143
26	MicrOBS: A new generation of ocean bottom seismometer. <i>First Break</i> , 2004 , 22,	0.5	30
25	Reply [to Comments on Deep-Penetration Heat Flow Probes Raise Questions About Interpretations From Shorter Probes] <i>Eos</i> , 2002 , 83, 197-199	1.5	
24	Analysis of propagators along the Pacific-Antarctic Ridge: evidence for triggering by kinematic changes. <i>Earth and Planetary Science Letters</i> , 2002 , 199, 415-428	5.3	17
23	Deep-penetration heat flow probes raise questions about interpretations from shorter probes. <i>Eos</i> , 2001 , 82, 317-317	1.5	11
22	Variations in axial morphology, segmentation, and seafloor roughness along the Pacific-Antarctic Ridge between 56°S and 66°S. <i>Journal of Geophysical Research</i> , 2001 , 106, 8521-8546		14
21	Crustal structure of a super-slow spreading centre: a seismic refraction study of Mohns Ridge, 72°N. <i>Geophysical Journal International</i> , 2000 , 141, 509-526	2.6	74
20	geophysical and geochemical constraints on crustal accretion at the very-slow spreading mohns ridge. <i>Geophysical Research Letters</i> , 2000 , 27, 1547-1550	4.9	28
19	Chemical systematics of an intermediate spreading ridge: The Pacific-Antarctic Ridge between 56°S and 66°S. <i>Journal of Geophysical Research</i> , 2000 , 105, 2915-2936		21
18	Large-scale chemical and thermal division of the Pacific mantle. <i>Nature</i> , 1999 , 399, 345-350	50.4	52
17	Mapping the sedimentary basins of the Barents and Kara Seas using ERS-1 altimetry-geodetic mission. <i>Marine Geophysical Researches</i> , 1998 , 20, 109-127	2.3	1

16	Geochemistry of the Hollister Ridge: relation with the Louisville hotspot and the Pacific-Antarctic Ridge. <i>Earth and Planetary Science Letters</i> , 1998 , 160, 777-793	5.3	30
15	Location of Louisville hotspot and origin of Hollister Ridge: geophysical constraints. <i>Earth and Planetary Science Letters</i> , 1998 , 164, 31-40	5.3	24
14	Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. <i>Science</i> , 1997 , 278, 1281-1284	3.9	32
13	Three-dimensional structure of asthenospheric flow beneath the Southeast Indian Ridge. <i>Journal of Geophysical Research</i> , 1997 , 102, 7783-7802		24
12	Morphological reorganization within the Pacific-Antarctic Discordance. <i>Earth and Planetary Science Letters</i> , 1996 , 137, 157-173	5.3	14
11	The Southeast Indian Ridge between 127° and 132°40'E: contrasts in segmentation characteristics and implications for crustal accretion. <i>Geological Society Special Publication</i> , 1996 , 118, 1-15	1.7	3
10	The Mid-Atlantic Ridge between 29°N and 31°30'N in the last 10 Ma. <i>Earth and Planetary Science Letters</i> , 1995 , 130, 45-55	5.3	43
9	The effect of introducing continuity conditions in the constrained sinusoidal crossover adjustment method to reduce satellite orbit errors. <i>Geophysical Research Letters</i> , 1995 , 22, 949-952	4.9	
8	Ocean crust formation processes at very slow spreading centers: A model for the Mohs Ridge, near 72°N, based on magnetic, gravity, and seismic data. <i>Journal of Geophysical Research</i> , 1994 , 99, 2995-3013		41
7	Volcano-tectonic events and sedimentation since Late Miocene times at the Mohs Ridge, near 72°N, in the Norwegian-Greenland Sea. <i>Tectonophysics</i> , 1993 , 222, 417-444	3.1	20
6	Seismic study of the crust of the northern Red Sea and Gulf of Suez. <i>Tectonophysics</i> , 1988 , 153, 55-88	3.1	100
5	Results from three refraction profiles in the northern Red Sea (above 25°N) recorded with an Ocean Bottom Vertical Seismic Array. <i>Tectonophysics</i> , 1988 , 153, 89-101	3.1	9
4	Single-channel seismic reflection data from the East Pacific Rise axis between latitude 11°50' and 12°54'N. <i>Geology</i> , 1987 , 15, 857	5	16
3	Seismic wave propagation in a very permeable water-saturated surface layer. <i>Journal of Geophysical Research</i> , 1987 , 92, 7931		7
2	Birth of a large volcanic edifice offshore Mayotte via lithosphere-scale dyke intrusion. <i>Nature Geoscience</i> ,	18.3	16
1	Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. <i>Geophysical Journal International</i> ,	2.6	5