

Louis Gli

List of Publications by Citations

Source: <https://exaly.com/author-pdf/980748/louis-geli-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Geological constraints on the evolution of the Angolan margin based on reflection and refraction seismic data (ZaAngo project). <i>Geophysical Journal International</i> , 2005 , 162, 793-810	2.6	145
86	Deep structure of the West African continental margin (Congo, ZaRe, 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
85	Seismic study of the crust of the northern Red Sea and Gulf of Suez. <i>Tectonophysics</i> , 1988 , 153, 55-88	3.1	100
84	Free gas and gas hydrates from the Sea of Marmara, Turkey. <i>Chemical Geology</i> , 2009 , 264, 197-206	4.2	94
83	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
82	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
81	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
80	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
79	Large-scale chemical and thermal division of the Pacific mantle. <i>Nature</i> , 1999 , 399, 345-350	50.4	52
78	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
77	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
76	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
75	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
74	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
73	Ocean crust formation processes at very slow spreading centers: A model for the Mohns Ridge, near 72°N, based on magnetic, gravity, and seismic data. <i>Journal of Geophysical Research</i> , 1994 , 99, 2995-3013		41
72	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
71	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

70	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
69	Evolution of the Pacific-Antarctic Ridge South of the Udintsev Fracture Zone. <i>Science</i> , 1997 , 278, 1281-1284	3.5	32
68	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
67	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
66	MicrOBS: A new generation of ocean bottom seismometer. <i>First Break</i> , 2004 , 22,	0.5	30
65	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
64	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
63	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
62	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
61	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
60	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
59	Three-dimensional structure of asthenospheric flow beneath the Southeast Indian Ridge. <i>Journal of Geophysical Research</i> , 1997 , 102, 7783-7802		24
58	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
57	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
56	Dynamics of fault-fluid-hydrate system around a shale-cored anticline in deepwater Nigeria. <i>Journal of Geophysical Research</i> , 2011 , 116,		23
55	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. <i>Nature Communications</i> , 2019 , 10, 3006	17.4	22
54	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
53	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

52	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
51	Volcano-tectonic events and sedimentation since Late Miocene times at the Mohns Ridge, near 72°N, in the Norwegian-Greenland Sea. <i>Tectonophysics</i> , 1993 , 222, 417-444	3.1	20
50	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
49	Map helps unravel complexities of the southwestern Pacific Ocean. <i>Eos</i> , 2012 , 93, 1-2	1.5	18
48	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
47	How far did the surface rupture of the 1999 İzmit earthquake reach in Sea of Marmara?. <i>Tectonics</i> , 2011 , 30,	4.3	17
46	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
45	Pore water geochemistry at two seismogenic areas in the Sea of Marmara. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 2038-2057	3.6	16
44	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
43	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
42	Birth of a large volcanic edifice offshore Mayotte via lithosphere-scale dyke intrusion. <i>Nature Geoscience</i> ,	18.3	16
41	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
40	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
39	Gas and seismicity within the Istanbul seismic gap. <i>Scientific Reports</i> , 2018 , 8, 6819	4.9	14
38	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
37	Morphological reorganization within the Pacific-Antarctic Discordance. <i>Earth and Planetary Science Letters</i> , 1996 , 137, 157-173	5.3	14
36	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
35	Seismic precursors linked to highly compressible fluids at oceanic transform faults. <i>Nature Geoscience</i> , 2014 , 7, 757-761	18.3	12

34	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
33	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
32	Deep-penetration heat flow probes raise questions about interpretations from shorter probes. <i>Eos</i> , 2001 , 82, 317-317	1.5	11
31	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
30	Discovery of continental stretching and oceanic spreading in the Tasman Sea. <i>Eos</i> , 2005 , 86, 101	1.5	10
29	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
28	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
27	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
26	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
25	Seismic wave propagation in a very permeable water-saturated surface layer. <i>Journal of Geophysical Research</i> , 1987 , 92, 7931		7
24	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
23	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
22	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
21	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
20	Ocean Gravity Models From Future Satellite Missions. <i>Eos</i> , 2010 , 91, 21-22	1.5	5
19	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
18	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
17	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

16	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
15	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
14	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
13	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
12	Corrigendum to 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, 145-149	2.3	3
11	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
10	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
9	Seismic imaging of the ocean internal structure: A new tool in physical oceanography?. <i>Eos</i> , 2005 , 86, 15	1.5	2
8	Seafloor observations and observatory activities in the Sea of Marmara 2015 , 59-79		2
7	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
6	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
5	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
4	Creep-dilatancy development at a transform plate boundary.. <i>Nature Communications</i> , 2022 , 13, 1913	17.4	1
3	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	
2	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	
1	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	