

Luigi Solari

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.

83 papers	1,554 citations	24 h-index	35 g-index
86 ext. papers	1,789 ext. citations	2.9 avg, IF	4.79 L-index

#	Paper	IF	Citations
83	UPb geochronology of Cenozoic plutons in the Pinotepa Nacional Salina Cruz region and patterns in the migration of magmatism along the SW continental margin of Mexico. <i>International Journal of Earth Sciences</i> , 2022 , 111, 717	2.2	1
82	Stratigraphy and origin of Upper Cretaceous wedge-top and proximal foredeep deposits in the Mexican foreland basin, east-central Mexico. <i>Journal of South American Earth Sciences</i> , 2022 , 114, 103681	2.2	0
81	Gondwanan Inheritance on the Building of the Western Central Andes (Domeyko Range, Chile): Structural and Thermochronological Approach (U-Pb and 40Ar/39Ar). <i>Tectonics</i> , 2021 , 40, e2020TC006475	4.3	1
80	Reconstructing the tectono-sedimentary evolution of the Early-Middle Jurassic Tlaxiaco Basin in southern Mexico: New insights into the crustal attenuation history of southern North America during Pangea breakup 2021 , 17, 1294-1317		3
79	Mesozoic exhumation history of the Grenvillian Oaxacan Complex, southern Mexico. <i>Terra Nova</i> , 2021 , 33, 86-94	3	3
78	Geology and geochronology of the Jurassic magmatic arc in the Magdalena quadrangle, north-central Sonora, Mexico. <i>Journal of South American Earth Sciences</i> , 2021 , 108, 103055	2	2
77	Provenance analysis of the Matzitzzi and Agua de Mezquite formations, southern Mexico: Different fluvial successions formed during late Paleozoic and post-Middle Jurassic time along the southernmost North America Pacific margin. <i>Journal of South American Earth Sciences</i> , 2021 , 105, 102999	2	3
76	Paleogene granite from offshore of Morocco (DSDP Leg 79): crustal recycling at a passive continental margin of NW Africa. <i>International Journal of Earth Sciences</i> , 2021 , 110, 2885	2.2	
75	Multi-stage, Upper Eocene-Oligocene anatexis in the Xolapa metamorphic belt (Puerto Escondido, Mexico): Dynamics of the Xolapa Complex as the decoupled lower crust of the Chortol Block upper crust during its tectonic migration. <i>Tectonophysics</i> , 2021 , 815, 229004	3.1	1
74	Triassic breakup of Pangea in southern Mexico: Thermochronological evidence from the Tanguistengo Formation. <i>Chemie Der Erde</i> , 2021 , 81, 125776	4.3	3
73	UPb geochronology of detrital zircons from San Carlos Basin, Costa Rica: Evidence of Miocene volcanism and implications for the Precambrian and Paleozoic history of the Central American isthmus. <i>Journal of South American Earth Sciences</i> , 2021 , 110, 103311	2	0
72	Technical note: LA-ICP-MS UPb dating of unetched and etched apatites. <i>Geochronology</i> , 2021 , 3, 59-65	3.8	
71	Guidelines for assessing the provenance of Mesozoic and Cenozoic clastic successions sourced by pre-Jurassic basement complexes in southernmost North America. <i>Journal of Sedimentary Research</i> , 2020 , 90, 513-532	2.1	8
70	Petrogenesis of the crystalline basement along the western Gulf of Mexico: Postcollisional magmatism during the formation of Pangea 2020 ,		8
69	Origin and evolution of the Grenvillian Oaxacan Complex, southern Mexico: Hf isotopic and U-Pb geochronologic constraints 2020 ,		1
68	The Guerrero terrane, a para-autochthonous block on the paleo-Pacific continental margin of North America: Evidence from zircon U-Pb dating and Hf isotopes 2020 ,		3
67	Geochronology and geochemistry of the Puerto Vallarta igneous and metamorphic complex and its relation to Cordilleran arc magmatism in northwestern Mexico. <i>Lithos</i> , 2020 , 352-353, 105248	2.9	12

66	Petrology and U-Pb geochronology of high-grade metavolcano-sedimentary rocks from central Xolapa Complex, southern Mexico. <i>Lithos</i> , 2020 , 378-379, 105802	2.9	3
65	Reply to Molina-Garza et al. (2019) Discussion of: Ortega-Flores et al. (2018) provenance analysis of Oligocene sandstone from the Cerro Pelón area, southern Gulf of Mexico. <i>International Geology Review</i> , 2020 , 62, 421-427	2.3	3
64	Permian igneous clasts from the Matzitz Formation, southern Mexico: isotopic constraints on the final amalgamation of Pangaea. <i>Geological Society Special Publication</i> , 2020 , SP503-2019-238	1.7	2
63	Ordovician to Silurian igneous rocks in southern Mexico and Central America: geochronologic and isotopic constraints on paleogeographic models. <i>Journal of South American Earth Sciences</i> , 2019 , 93, 462-479	2.4	7
62	Sediment provenance, sediment-dispersal systems, and major arc-magmatic events recorded in the Mexican foreland basin, North-Central and Northeastern Mexico. <i>International Geology Review</i> , 2019 , 61, 2118-2142	2.3	19
61	New late Middle to early Late Ordovician U-Pb zircon ages of extension-related felsic volcanic rocks in the Eastern Pyrenees (NE Iberia): tectonic implications. <i>Geological Magazine</i> , 2019 , 156, 1783-1792	2.3	6
60	Detrital zircon record of Mesozoic volcanic arcs in the Lower Cretaceous Mural Limestone, northwestern Mexico. <i>Geological Journal</i> , 2019 , 54, 2621-2645	1.7	17
59	Provenance analysis of Oligocene sandstone from the Cerro Pelón area, southern Gulf of Mexico. <i>International Geology Review</i> , 2019 , 61, 915-935	2.3	9
58	Detrital muscovite K-Ar and apatite fission-track dating of micaceous sandstones from El Bosque Formation, Sierra de Chiapas, SE Mexico. <i>Journal of South American Earth Sciences</i> , 2019 , 95, 102308	2	0
57	Late Cretaceous-Paleocene stratigraphic and structural evolution of the central Mexican fold and thrust belt, from detrital zircon (U-Th)/(He-Pb) ages. <i>Journal of South American Earth Sciences</i> , 2019 , 95, 102264	2	8
56	Multiple metamorphic events in the Palaeozoic Mérida Andes basement, Venezuela: insights from U-Pb geochronology and Hf isotope systematics. <i>International Geology Review</i> , 2019 , 61, 1557-1593	2.3	18
55	The Juchatengo complex: an upper-level ophiolite assemblage of late Paleozoic age in Oaxaca, southern Mexico. <i>International Journal of Earth Sciences</i> , 2018 , 107, 1005-1031	2.2	7
54	The pre-Mesozoic metamorphic basement of Mexico, 1.5 billion years of crustal evolution. <i>Earth-Science Reviews</i> , 2018 , 183, 2-37	10.2	61
53	Cenozoic magmatism of the Sierra Madre del Sur and tectonic truncation of the Pacific margin of southern Mexico. <i>Earth-Science Reviews</i> , 2018 , 183, 85-114	10.2	19
52	The Proterozoic of NW Mexico revisited: U-Pb geochronology and Hf isotopes of Sonoran rocks and their tectonic implications. <i>International Journal of Earth Sciences</i> , 2018 , 107, 845-861	2.2	32
51	High-pressure metamorphic evolution of eclogite and associated metapelite from the Chuacús complex (Guatemala Suture Zone): Constraints from phase equilibria modelling coupled with Lu-Hf and U-Pb geochronology. <i>Journal of Metamorphic Geology</i> , 2018 , 36, 95-124	4.4	15
50	A major provenance change in sandstones from the Tezoatlán basin, southern Mexico, controlled by Jurassic, sinistral normal motion along the Salado River fault: Implications for the reconstruction of Pangea. <i>Journal of South American Earth Sciences</i> , 2018 , 86, 447-460	2	14
49	Late Mesoproterozoic to Early Paleozoic history of metamorphic basement from the southeastern Chiapas Massif Complex, Mexico, and implications for the evolution of NW Gondwana. <i>Lithos</i> , 2018 , 300-301, 177-199	2.9	34

48	The opening and closure of the Jurassic-Cretaceous Xolapa basin, southern Mexico. <i>Journal of South American Earth Sciences</i> , 2018 , 88, 599-620	2	11
47	Lateral spreading of the middle to lower crust inferred from Paleocene migmatites in the Xolapa Complex (Puerto Escondido, Mexico): Gravitational collapse of a Laramide orogen?. <i>Tectonophysics</i> , 2017 , 706-707, 143-163	3.1	12
46	Grenvillian massif-type anorthosite suite in Chiapas, Mexico: Magmatic to polymetamorphic evolution of anorthosites and their Ti-Fe ores. <i>Precambrian Research</i> , 2017 , 295, 203-226	3.9	22
45	Magmatic and geodynamic significance of two volcanoclastic deposits in the Oligo- Miocene successions of southern Apennines (Italy). <i>Italian Journal of Geosciences</i> , 2017 , 136, 1-51	1.7	3
44	Stratigraphy, geochronology and regional tectonic setting of the Late Cretaceous (ca. 82-70 Ma) Cabullona basin, Sonora, Mexico. <i>Journal of South American Earth Sciences</i> , 2017 , 80, 494-511	2	13
43	Late Cretaceous to early Eocene magmatic evolution of the Laramide arc in the Nacozari quadrangle, northeastern Sonora, Mexico and its regional implications. <i>Ore Geology Reviews</i> , 2017 , 81, 1137-1157	3.2	12
42	Laramide to Miocene syn-extensional plutonism in the Puerta del Sol area, central Sonora, Mexico 2017 , 34, 45		6
41	Provenance analysis of Jurassic sandstones from the Otlaltepec Basin, southern Mexico: Implications for the reconstruction of Pangea breakup 2016 , 12, 1842-1864		15
40	Petrochronology of the migmatization event of the Xolapa Complex, Mexico, microchemistry and equilibrium growth of zircon and garnet. <i>International Geology Review</i> , 2016 , 58, 1382-1397	2.3	12
39	LA-ICP-MS-based apatite fission track dating of the Todos Santos Formation sandstones from the Sierra de Chiapas (SE Mexico) and its tectonic significance. <i>International Geology Review</i> , 2016 , 58, 32-48	2.3	14
38	The Palaeocene-early Oligocene Zacatecas conglomerate, Mexico: sedimentology, detrital zircon U-Pb ages, and sandstone provenance. <i>International Geology Review</i> , 2016 , 58, 826-848	2.3	12
37	The Mesozoic successions of western Sierra de Zacatecas, Central Mexico: provenance and tectonic implications. <i>Geological Magazine</i> , 2016 , 153, 696-717	2	18
36	Single-grain apatite geochemistry of Permian-Triassic granitoids and Mesozoic and Eocene sandstones from Chiapas, southeast Mexico: implications for sediment provenance. <i>International Geology Review</i> , 2016 , 58, 1132-1157	2.3	20
35	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 166, 29-52	5.5	44
34	Timing of rifting in the southern Gulf of California and its conjugate margins: Insights from the plutonic record. <i>Bulletin of the Geological Society of America</i> , 2015 , 127, 702-736	3.9	31
33	In-situ ²³⁰ Th/U dating of Quaternary zircons using LA-MCICPMS. <i>Quaternary Geochronology</i> , 2014 , 23, 46-55	2.7	27
32	A review of batholiths and other plutonic intrusions of Mexico. <i>Gondwana Research</i> , 2014 , 26, 834-868	5.1	47
31	Detrital-zircon record of major Middle Triassic-Early Cretaceous provenance shift, central Mexico: demise of Gondwanan continental fluvial systems and onset of back-arc volcanism and sedimentation. <i>International Geology Review</i> , 2014 , 56, 237-261	2.3	58

30	Petrology and geochemistry of the Valle de Santiago lower-crust xenoliths: Young tectonothermal processes beneath the central Trans-Mexican volcanic belt. <i>Lithosphere</i> , 2014 , 6, 335-360	2.7	10
29	A Late Triassic tectonothermal event in the eastern Acatlán Complex, southern Mexico, synchronous with a magmatic arc hiatus: The result of flat-slab subduction?. <i>Lithosphere</i> , 2014 , 6, 63-79	2.7	14
28	Correlating the Arperos Basin from Guanajuato, central Mexico, to Santo Tomás, southern Mexico: Implications for the paleogeography and origin of the Guerrero terrane 2014 , 10, 1385-1401		43
27	Detrital provenance of the Grenvillian Oaxacan Complex, southern Mexico: a zircon perspective. <i>International Journal of Earth Sciences</i> , 2014 , 103, 1301-1315	2.2	35
26	Permian–Carboniferous arc magmatism in southern Mexico: U–Pb dating, trace element and Hf isotopic evidence on zircons of earliest subduction beneath the western margin of Gondwana. <i>International Journal of Earth Sciences</i> , 2014 , 103, 1287-1300	2.2	65
25	Kinematics of the Guerrero terrane accretion in the Sierra de Guanajuato, central Mexico: new insights for the structural evolution of arc–continent collisional zones. <i>International Geology Review</i> , 2013 , 55, 574-589	2.3	26
24	Late Cretaceous subduction of the continental basement of the Maya block (Rabinal Granite, central Guatemala): Tectonic implications for the geodynamic evolution of Central America. <i>Bulletin of the Geological Society of America</i> , 2013 , 125, 625-639	3.9	27
23	Exotic rifted passive margin of a back-arc basin off western Pangea: geochemical evidence from the Early Mesozoic Ayutlán Complex, southern Mexico. <i>International Geology Review</i> , 2013 , 55, 863-881	2.3	13
22	Recognition of the Minoan tephra in the Acigözü Basin, western Turkey: implications for inter-archive correlations and fine ash dispersal. <i>Journal of Quaternary Science</i> , 2013 , 28, 329-335	2.3	29
21	Petrology of high-grade crustal xenoliths in the Chalcatzingo Miocene subvolcanic field, southern Mexico: buried basement of the Guerrero-Morelos platform and tectonostratigraphic implications. <i>International Geology Review</i> , 2012 , 54, 1597-1634	2.3	9
20	U–Pb geochronological constraints on the Triassic–Jurassic Ayutlán Complex, southern Mexico: Derivation from the western margin of Pangea-A. <i>Gondwana Research</i> , 2012 , 22, 910-927	5.1	29
19	Metamorphic evolution of lawsonite eclogites from the southern Motagua fault zone, Guatemala: insights from phase equilibria and Raman spectroscopy. <i>Journal of Metamorphic Geology</i> , 2012 , 30, 143-164	4.4	28
18	Permian–Carboniferous arc magmatism and basin evolution along the western margin of Pangea: Geochemical and geochronological evidence from the eastern Acatlán Complex, southern Mexico. <i>Bulletin of the Geological Society of America</i> , 2012 , 124, 1607-1628	3.9	50
17	The Chortis Block--southwestern Mexico connections: U–Pb zircon geochronology constraints. <i>Numerische Mathematik</i> , 2012 , 312, 288-313	5.3	30
16	The Late Cretaceous fold-thrust belt in the Peña de Bernal–Amazunchale area and its possible relationship to the accretion of the Guerrero Terrane 2012 , 19-38		12
15	Sandstone Provenance of the Arperos Basin (Sierra de Guanajuato, Central Mexico): Late Jurassic–Early Cretaceous Back-Arc Spreading as the Foundation of the Guerrero Terrane. <i>Journal of Geology</i> , 2011 , 119, 597-617	2	57
14	Petrogenesis and thermobarometry of the ~50 Ma rapakivi granite-syenite Acapulco intrusive: Implications for post-Laramide magmatism in southern Mexico 2011 , 7, 1419-1438		13
13	U–Pb Zircon Geochronology with an Integrated LA-ICP-MS Microanalytical Workstation: Achievements in Precision and Accuracy. <i>Geostandards and Geoanalytical Research</i> , 2010 , 34, 5-18	3.6	133

12	Refining the age of magmatism in the Altos Cuchumatanes, western Guatemala, by LAICPMS, and tectonic implications. <i>International Geology Review</i> , 2010 , 52, 977-998	2.3	35
11	Large scale landslides triggered by Quaternary tectonics in the Acambay graben, Mexico. <i>Earth Surface Processes and Landforms</i> , 2010 , 35, 1445-1455	3.7	13
10	U-Pb zircon geochronology of Palaeozoic units in Western and Central Guatemala: insights into the tectonic evolution of Middle America. <i>Geological Society Special Publication</i> , 2009 , 328, 295-313	1.7	18
9	The Maya-Chortol Boundary: A Tectonostratigraphic Approach. <i>International Geology Review</i> , 2007 , 49, 996-1024	2.3	48
8	Polyphase, High-Temperature Eclogite-Facies Metamorphism in the Chuacol Complex, Central Guatemala: Petrology, Geochronology, and Tectonic Implications. <i>International Geology Review</i> , 2004 , 46, 445-470	2.3	39
7	U-Pb and ⁴⁰ Ar/ ³⁹ Ar constraints on the cooling history of the northern Oaxacan Complex, southern Mexico: Tectonic implications 2004 , 771-781		6
6	Phanerozoic Structures in the Grenvillian Northern Oaxacan Complex, Southern Mexico: Result of Thick-Skinned Tectonics. <i>International Geology Review</i> , 2004 , 46, 614-628	2.3	8
5	U-Pb geochronology and Pb isotopic compositions of leached feldspars: Constraints on the origin and evolution of Grenville rocks from eastern and southern Mexico 2004 , 755-769		23
4	Geochronology and Geochemistry of the ~917 Ma, Calc-alkaline Etna Granitoid Pluton (Oaxaca, Southern Mexico): Evidence of Post-Grenvillian Subduction along the Northern Margin of Amazonia. <i>International Geology Review</i> , 2003 , 45, 596-610	2.3	34
3	The Matzitz Formation in southern Mexico: A record of Pangea final assembly or breakup initiation along inherited suture belts?. <i>Basin Research</i> ,	3.2	2
2	The Sierra de Juarez Complex: a new Gondwanan Neoproterozoic-early Palaeozoic metamorphic terrane in southern Mexico. <i>International Geology Review</i> , 1-23	2.3	5
1	U-Pb age of a late Cenozoic ultra-high temperature metamorphic event under Central Mexico, as inferred from granulite xenoliths from Cerro El Toro, Mexico. <i>International Geology Review</i> , 1-22	2.3	