

# Luigi Solari

## List of Publications by Year in descending order

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docs citations

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times ranked

1055  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	165
2	The pre-Mesozoic metamorphic basement of Mexico, 1.5 billion years of crustal evolution. <i>Earth-Science Reviews</i> , 2018, 183, 2-37.	4.0	85
3	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.	0.9	80
4	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.	1.1	70
5	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.	0.7	68
6	The Maya-Chort–s Boundary: A Tectonostratigraphic Approach. <i>International Geology Review</i> , 2007, 49, 996-1024.	1.1	66
7	A review of batholiths and other plutonic intrusions of Mexico. <i>Gondwana Research</i> , 2014, 26, 834-868.	3.0	65
8	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 29-52.	1.6	65
9	Permian–Carboniferous arc magmatism and basin evolution along the western margin of Pangea: Geochemical and geochronological evidence from the eastern Acatlan Complex, southern Mexico. <i>Bulletin of the Geological Society of America</i> , 2012, 124, 1607-1628.	1.6	61
10	Correlating the Arperos Basin from Guanajuato, central Mexico, to Santo Tom–s, southern Mexico: Implications for the paleogeography and origin of the Guerrero terrane. , 2014, 10, 1385-1401.		58
11	Refining the age of magmatism in the Altos Cuchumatanes, western Guatemala, by LA–ICPMS, and tectonic implications. <i>International Geology Review</i> , 2010, 52, 977-998.	1.1	46
12	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.	0.6	46
13	Polyphase, High-Temperature Eclogite-Facies Metamorphism in the Chuac–s Complex, Central Guatemala: Petrology, Geochronology, and Tectonic Implications. <i>International Geology Review</i> , 2004, 46, 445-470.	1.1	44
14	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.	1.6	44
15	Detrital provenance of the Grenvillian Oaxacan Complex, southern Mexico: a zircon perspective. <i>International Journal of Earth Sciences</i> , 2014, 103, 1301-1315.	0.9	42
16	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.	0.9	40
17	Geochronology and Geochemistry of the ~917 Ma, Calc-alkaline Etna Granitoid Pluton (Oaxaca), Tj ETQq1 1 0.784314 rgBT /Overlock <i>International Geology Review</i> , 2003, 45, 596-610.	1.1	36
18	The Chortis Block–southwestern Mexico connections: U–Pb zircon geochronology constraints. <i>Numerische Mathematik</i> , 2012, 312, 288-313.	0.7	35

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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.	1.6	35
20	U–Pb geochronological constraints on the Triassic–Jurassic Ay– Complex, southern Mexico: Derivation from the western margin of Pangea-A. <i>Gondwana Research</i> , 2012, 22, 910-927.	3.0	33
21	Recognition of the Minoan tephra in the Acig– Basin, western Turkey: implications for inter–archive correlations and fine ash dispersal. <i>Journal of Quaternary Science</i> , 2013, 28, 329-335.	1.1	33
22	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.	1.1	32
23	In-situ <sup>230</sup> Th/U dating of Quaternary zircons using LA-MCICPMS. <i>Quaternary Geochronology</i> , 2014, 23, 46-55.	0.6	32
24	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.	1.2	32
25	Late Cretaceous subduction of the continental basement of the Maya block (Rabinal Granite, central) Tj ETQq1 1 0.784314 rgBT /Ovedla Geological Society of America, 2013, 125, 625-639.	1.6	31
26	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.		30
27	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.	1.1	27
28	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.	0.8	26
29	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.	4.0	26
30	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.	1.1	25
31	Detrital zircon record of Mesozoic volcanic arcs in the Lower Cretaceous Mural Limestone, northwestern Mexico. <i>Geological Journal</i> , 2019, 54, 2621-2645.	0.6	24
32	Multiple metamorphic events in the Palaeozoic M–rida Andes basement, Venezuela: insights from U–Pb geochronology and Hf–Nd isotope systematics. <i>International Geology Review</i> , 2019, 61, 1557-1593.	1.1	22
33	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.	1.1	21
34	The Mesozoic successions of western Sierra de Zacatecas, Central Mexico: provenance and tectonic implications. <i>Geological Magazine</i> , 2016, 153, 696-717.	0.9	20
35	High–pressure metamorphic evolution of eclogite and associated metapelite from the Chuac–s 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.	1.6	20
36	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.	1.1	19

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37	Provenance analysis of Jurassic sandstones from the Otlaltepec Basin, southern Mexico: Implications for the reconstruction of Pangea breakup. , 2016, 12, 1842-1864.		18
38	Large scale landslides triggered by Quaternary tectonics in the Acambay graben, Mexico. Earth Surface Processes and Landforms, 2010, 35, 1445-1455.	1.2	17
39	The opening and closure of the Jurassic-Cretaceous Xolapa basin, southern Mexico. Journal of South American Earth Sciences, 2018, 88, 599-620.	0.6	17
40	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. Journal of South American Earth Sciences, 2018, 86, 447-460.	0.6	17
41	Exotic rifted passive margin of a back-arc basin off western Pangea: geochemical evidence from the Early Mesozoic Ayón Complex, southern Mexico. International Geology Review, 2013, 55, 863-881.	1.1	16
42	A Late Triassic tectonothermal event in the eastern Acatlán Complex, southern Mexico, synchronous with a magmatic arc hiatus: The result of flat-slab subduction?. Lithosphere, 2014, 6, 63-79.	0.6	15
43	Petrogenesis and thermobarometry of the ~450 Ma rapakivi granite-syenite Acapulco intrusive: Implications for post-Laramide magmatism in southern Mexico. , 2011, 7, 1419-1438.		14
44	Petrochronology of the migmatization event of the Xolapa Complex, Mexico, microchemistry and equilibrium growth of zircon and garnet. International Geology Review, 2016, 58, 1382-1397.	1.1	14
45	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?. Tectonophysics, 2017, 706-707, 143-163.	0.9	14
46	Late Cretaceous-Paleocene stratigraphic and structural evolution of the central Mexican fold and thrust belt, from detrital zircon (U-Th)/(He-Pb) ages. Journal of South American Earth Sciences, 2019, 95, 102264.	0.6	14
47	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. Geological Magazine, 2019, 156, 1783-1792.	0.9	14
48	The Palaeocene-early Oligocene Zacatecas conglomerate, Mexico: sedimentology, detrital zircon U-Pb ages, and sandstone provenance. International Geology Review, 2016, 58, 826-848.	1.1	13
49	Stratigraphy, geochronology and regional tectonic setting of the Late Cretaceous (ca. 82-70 Ma) Cabullona basin, Sonora, Mexico. Journal of South American Earth Sciences, 2017, 80, 494-511.	0.6	13
50	The Late Cretaceous fold-thrust belt in the Peña de Bernal-Tamazunchale area and its possible relationship to the accretion of the Guerrero Terrane. , 2012, , 19-38.		13
51	Petrogenesis of the crystalline basement along the western Gulf of Mexico: Postcollisional magmatism during the formation of Pangea. , 2021, , 29-52.		13
52	Provenance analysis of Oligocene sandstone from the Cerro Pelón area, southern Gulf of Mexico. International Geology Review, 2019, 61, 915-935.	1.1	12
53	Geochronology and geochemistry of the Puerto Vallarta igneous and metamorphic complex and its relation to Cordilleran arc magmatism in northwestern Mexico. Lithos, 2020, 352-353, 105248.	0.6	12
54	Petrology and geochemistry of the Valle de Santiago lower-crust xenoliths: Young tectonothermal processes beneath the central Trans-Mexican volcanic belt. Lithosphere, 2014, 6, 335-360.	0.6	11

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55	Phanerozoic Structures in the Grenvillian Northern Oaxacan Complex, Southern Mexico: Result of Thick-Skinned Tectonics. <i>International Geology Review</i> , 2004, 46, 614-628.	1.1	10
56	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.	0.6	10
57	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.	1.1	9
58	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.	0.9	9
59	The Sierra de Juárez Complex: a new Gondwanan Neoproterozoic-early Palaeozoic metamorphic terrane in southern Mexico. <i>International Geology Review</i> , 2022, 64, 631-653.	1.1	9
60	Gondwanan Inheritance on the Building of the Western Central Andes (Domeyko Range, Chile): Structural and Thermochronological Approach ( $U\text{-}Pb$ and $^{40}Ar/^{39}Ar$ ). <i>Tectonics</i> , 2021, 40, e2020TC006475.	1.3	9
61	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.	0.8	8
62	$U\text{-}Pb$ and $^{40}Ar/^{39}Ar$ constraints on the cooling history of the northern Oaxacan Complex, southern Mexico: Tectonic implications. , 2004, , 771-781.		7
63	Laramide to Miocene syn-extensional plutonism in the Puerta del Sol area, central Sonora, Mexico. <i>Revista Mexicana De Ciencias Geológicas</i> , 2017, 34, 45.	0.2	7
64	Mesozoic exhumation history of the Grenvillian Oaxacan Complex, southern Mexico. <i>Terra Nova</i> , 2021, 33, 86-94.	0.9	6
65	Triassic breakup of Pangea in southern Mexico: Thermochronological evidence from the Tianguistengo formation. <i>Chemie Der Erde</i> , 2021, 81, 125776.	0.8	6
66	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.		5
67	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.	0.4	4
68	Petrology and $U\text{-}Pb$ geochronology of high-grade metavolcano-sedimentary rocks from central Xolapa Complex, southern Mexico. <i>Lithos</i> , 2020, 378-379, 105802.	0.6	4
69	Provenance analysis of the Matzitzi 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.	0.6	4
70	$U\text{-}Pb$ 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.	0.9	4
71	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.	1.1	3
72	Permian igneous clasts from the Matzitzi Formation, southern Mexico: isotopic constraints on the final amalgamation of Pangaea. <i>Geological Society Special Publication</i> , 2021, 503, 481-496.	0.8	3

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73	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.	0.6	3
74	The Matzitz Formation in southern Mexico: A record of Pangea final assembly or breakup initiation along inherited suture belts?. <i>Basin Research</i> , 2022, 34, 727-747.	1.3	3
75	Origin and evolution of the Grenvillian Oaxacan Complex, southern Mexico: Hf isotopic and U-Pb geochronologic constraints. , 2021, , 53-71.		3
76	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. , 2021, , 197-216.		3
77	Detrital muscovite <sup>40</sup> 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.	0.6	2
78	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.	0.6	2
79	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> , 2023, 65, 335-356.	1.1	2
80	Multi-stage, Upper Eocene-Oligocene anatexis in the Xolapa metamorphic belt (Puerto Escondido,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 crust during its tectonic migration. <i>Tectonophysics</i> , 2021, 815, 229004.	0.9	1
81	U-Pb 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.	0.6	1
82	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.	0.9	0
83	Technical note: LA-ICP-MS U-Pb dating of unetched and etched apatites. <i>Geochronology</i> , 2021, 3, 59-65.	1.0	0
84	Provenance of the El Salto Formation (early Oligocene to early Miocene), southern part of La Reforma caldera, Baja California Sur, Mexico. , 2021, , 277-308.		0
85	Late Cretaceous to Eocene denudation history of the TolimÃ¡n area, southern Sierra Madre Oriental, central Mexico. , 2020, , .		0