Luigi Solari

List of Publications by Citations

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	U-Pb Zircon Geochronology with an Integrated LA-ICP-MS Microanalytical Workstation: Achievements in Precision and Accuracy. *Geostandards and Geoanalytical Research*, **2010**, 34, 5-18	3.6	133
82	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. *International Journal of Earth Sciences*, **2014**, 103, 1287-1300	2.2	65
81	The pre-Mesozoic metamorphic basement of Mexico, 1.5 billion years of crustal evolution. *Earth-Science Reviews*, **2018**, 183, 2-37	10.2	61
80	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. *International Geology Review*, **2014**, 56, 237-261	2.3	58
79	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. *Journal of Geology*, **2011**, 119, 597-617	2	57
78	Permian-Carboniferous arc magmatism and basin evolution along the western margin of Pangea: Geochemical and geochronological evidence from the eastern Acatlan Complex, southern Mexico. *Bulletin of the Geological Society of America*, **2012**, 124, 1607-1628	3.9	50
77	The Maya-Chortís Boundary: A Tectonostratigraphic Approach. *International Geology Review*, **2007**, 49, 996-1024	2.3	48
76	A review of batholiths and other plutonic intrusions of Mexico. *Gondwana Research*, **2014**, 26, 834-868	5.1	47
75	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. *Geochimica Et Cosmochimica Acta*, **2015**, 166, 29-52	5.5	44
74	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
73	Polyphase, High-Temperature Eclogite-Facies Metamorphism in the Chuacús Complex, Central Guatemala: Petrology, Geochronology, and Tectonic Implications. *International Geology Review*, **2004**, 46, 445-470	2.3	39
72	Detrital provenance of the Grenvillian Oaxacan Complex, southern Mexico: a zircon perspective. *International Journal of Earth Sciences*, **2014**, 103, 1301-1315	2.2	35
71	Refining the age of magmatism in the Altos Cuchumatanes, western Guatemala, by LA–ICPMS, and tectonic implications. *International Geology Review*, **2010**, 52, 977-998	2.3	35
70	Geochronology and Geochemistry of the ~917 Ma, Calc-alkaline Etla Granitoid Pluton (Oaxaca, Southern Mexico): Evidence of Post-Grenvillian Subduction along the Northern Margin of Amazonia. *International Geology Review*, **2003**, 45, 596-610	2.3	34
69	Late Mesoproterozoic to Early Paleozoic history of metamorphic basement from the southeastern Chiapas Massif Complex, Mexico, and implications for the evolution of NW Gondwana. *Lithos*, **2018**, 300-301, 177-199	2.9	34
68	The Proterozoic of NW Mexico revisited: U–Pb geochronology and Hf isotopes of Sonoran rocks and their tectonic implications. *International Journal of Earth Sciences*, **2018**, 107, 845-861	2.2	32
67	Timing of rifting in the southern Gulf of California and its conjugate margins: Insights from the plutonic record. *Bulletin of the Geological Society of America*, **2015**, 127, 702-736	3.9	31

66	The Chortis Block--southwestern Mexico connections: U-Pb zircon geochronology constraints. *Numerische Mathematik*, **2012**, 312, 288-313	5.3	30
65	UPb geochronological constraints on the TriassicJurassic AyC Complex, southern Mexico: Derivation from the western margin of Pangea-A. *Gondwana Research*, **2012**, 22, 910-927	5.1	29
64	Recognition of the Minoan tephra in the AcigBasin, western Turkey: implications for inter-archive correlations and fine ash dispersal. *Journal of Quaternary Science*, **2013**, 28, 329-335	2.3	29
63	Metamorphic evolution of lawsonite eclogites from the southern Motagua fault zone, Guatemala: insights from phase equilibria and Raman spectroscopy. *Journal of Metamorphic Geology*, **2012**, 30, 143-164	4.4	28
62	In-situ 230Th/U dating of Quaternary zircons using LA-MCICPMS. *Quaternary Geochronology*, **2014**, 23, 46-55	2.7	27
61	Late Cretaceous subduction of the continental basement of the Maya block (Rabinal Granite, central Guatemala): Tectonic implications for the geodynamic evolution of Central America. *Bulletin of the Geological Society of America*, **2013**, 125, 625-639	3.9	27
60	Kinematics of the Guerrero terrane accretion in the Sierra de Guanajuato, central Mexico: new insights for the structural evolution of arcontinent collisional zones. *International Geology Review* , **2013**, 55, 574-589	2.3	26
59	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
58	Grenvillian massif-type anorthosite suite in Chiapas, Mexico: Magmatic to polymetamorphic evolution of anorthosites and their Ti-Fe ores. *Precambrian Research*, **2017**, 295, 203-226	3.9	22
57	Single-grain apatite geochemistry of PermianTriassic granitoids and Mesozoic and Eocene sandstones from Chiapas, southeast Mexico: implications for sediment provenance. *International Geology Review*, **2016**, 58, 1132-1157	2.3	20
56	Sediment provenance, sediment-dispersal systems, and major arc-magmatic events recorded in the Mexican foreland basin, North-Central and Northeastern Mexico. *International Geology Review*, **2019**, 61, 2118-2142	2.3	19
55	Cenozoic magmatism of the Sierra Madre del Sur and tectonic truncation of the Pacific margin of southern Mexico. *Earth-Science Reviews*, **2018**, 183, 85-114	10.2	19
54	U-Pb zircon geochronology of Palaeozoic units in Western and Central Guatemala: insights into the tectonic evolution of Middle America. *Geological Society Special Publication*, **2009**, 328, 295-313	1.7	18
53	The Mesozoic successions of western Sierra de Zacatecas, Central Mexico: provenance and tectonic implications. *Geological Magazine*, **2016**, 153, 696-717	2	18
52	Multiple metamorphic events in the Palaeozoic MErida Andes basement, Venezuela: insights from UPb geochronology and HfNd isotope systematics. *International Geology Review*, **2019**, 61, 1557-1593	2.3	18
51	Detrital zircon record of Mesozoic volcanic arcs in the Lower Cretaceous Mural Limestone, northwestern Mexico. *Geological Journal*, **2019**, 54, 2621-2645	1.7	17
50	High-pressure metamorphic evolution of eclogite and associated metapelite from the Chuacs complex (Guatemala Suture Zone): Constraints from phase equilibria modelling coupled with Lu-Hf and U-Pb geochronology. *Journal of Metamorphic Geology*, **2018**, 36, 95-124	4.4	15
49	Provenance analysis of Jurassic sandstones from the Otlaltepec Basin, southern Mexico: Implications for the reconstruction of Pangea breakup **2016**, 12, 1842-1864		15

48	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. *International Geology Review*, **2016**, 58, 32-48	2.3	14
47	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	2	14
46	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	2.7	14
45	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	2	13
44	Exotic rifted passive margin of a back-arc basin off western Pangea: geochemical evidence from the Early Mesozoic Ayú Complex, southern Mexico. *International Geology Review*, **2013**, 55, 863-881	2.3	13
43	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
42	Large scale landslides triggered by Quaternary tectonics in the Acambay graben, Mexico. *Earth Surface Processes and Landforms*, **2010**, 35, 1445-1455	3.7	13
41	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	3.1	12
40	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	2.3	12
39	The Palaeocene-early Oligocene Zacatecas conglomerate, Mexico: sedimentology, detrital zircon U–Pb ages, and sandstone provenance. *International Geology Review*, **2016**, 58, 826-848	2.3	12
38	Late Cretaceous to early Eocene magmatic evolution of the Laramide arc in the Nacozari quadrangle, northeastern Sonora, Mexico and its regional implications. *Ore Geology Reviews*, **2017**, 81, 1137-1157	3.2	12
37	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		12
36	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	2.9	12
35	The opening and closure of the Jurassic-Cretaceous Xolapa basin, southern Mexico. *Journal of South American Earth Sciences*, **2018**, 88, 599-620	2	11
34	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	2.7	10
33	Provenance analysis of Oligocene sandstone from the Cerro Pelón area, southern Gulf of Mexico. *International Geology Review*, **2019**, 61, 915-935	2.3	9
32	Petrology of high-grade crustal xenoliths in the Chalcatzingo Miocene subvolcanic field, southern Mexico: buried basement of the Guerrero-Morelos platform and tectonostratigraphic implications. *International Geology Review*, **2012**, 54, 1597-1634	2.3	9
31	Guidelines for assessing the provenance of Mesozoic and Cenozoic clastic successions sourced by pre-Jurassic basement complexes in southernmost North America. *Journal of Sedimentary Research*, **2020**, 90, 513-532	2.1	8

30	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	2	8
29	Phanerozoic Structures in the Grenvillian Northern Oaxacan Complex, Southern Mexico: Result of Thick-Skinned Tectonics. *International Geology Review*, **2004**, 46, 614-628	2.3	8
28	Petrogenesis of the crystalline basement along the western Gulf of Mexico: Postcollisional magmatism during the formation of Pangea **2020**,		8
27	Ordovician to Silurian igneous rocks in southern Mexico and Central America: geochronologic and isotopic constraints on paleogeographic models. *Journal of South American Earth Sciences*, **2019**, 93, 462-479	2	7
26	The Juchatengo complex: an upper-level ophiolite assemblage of late Paleozoic age in Oaxaca, southern Mexico. *International Journal of Earth Sciences*, **2018**, 107, 1005-1031	2.2	7
25	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	2	6
24	U-Pb and 40Ar/39Ar constraints on the cooling history of the northern Oaxacan Complex, southern Mexico: Tectonic implications **2004**, 771-781		6
23	Laramide to Miocene syn-extensional plutonism in the Puerta del Sol area, central Sonora, Mexico **2017**, 34, 45		6
22	The Sierra de Juárez Complex: a new Gondwanan Neoproterozoic-early Palaeozoic metamorphic terrane in southern Mexico. *International Geology Review*,1-23	2.3	5
21	Magmatic and geodynamic significance of two volcaniclastic deposits in the Oligo- Miocene successions of southern Apennines (Italy). *Italian Journal of Geosciences*, **2017**, 136, 1-51	1.7	3
20	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
19	Petrology and U-Pb geochronology of high-grade metavolcano-sedimentary rocks from central Xolapa Complex, southern Mexico. *Lithos*, **2020**, 378-379, 105802	2.9	3
18	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
17	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 *International Geology Review*, **2020**, 62, 421-427	2.3	3
16	Mesozoic exhumation history of the Grenvillian Oaxacan Complex, southern Mexico. *Terra Nova*, **2021**, 33, 86-94	3	3
15	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. *Journal of South American Earth Sciences*, **2021**, 105, 102999	2	3
14	Triassic breakup of Pangea in southern Mexico: Thermochronological evidence from the Tianguistengo formation. *Chemie Der Erde*, **2021**, 81, 125776	4.3	3
13	The Matzitzi Formation in southern Mexico: A record of Pangea final assembly or breakup initiation along inherited suture belts?. *Basin Research*,	3.2	2

12	Permian igneous clasts from the Matzitzi Formation, southern Mexico: isotopic constraints on the final amalgamation of Pangaea. *Geological Society Special Publication*, **2020**, SP503-2019-238	1.7	2
11	Geology and geochronology of the Jurassic magmatic arc in the Magdalena quadrangle, north-central Sonora, Mexico. *Journal of South American Earth Sciences*, **2021**, 108, 103055	2	2
10	U-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. *International Journal of Earth Sciences*, **2022**, 111, 717	2.2	1
9	Origin and evolution of the Grenvillian Oaxacan Complex, southern Mexico: Hf isotopic and U-Pb geochronologic constraints **2020**,		1
8	Gondwanan Inheritance on the Building of the Western Central Andes (Domeyko Range, Chile): Structural and Thermochronological Approach (U-Pb and 40Ar/39Ar). *Tectonics*, **2021**, 40, e2020TC006475	4.3	1
7	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 Chortís Block upper crust during its tectonic migration. *Tectonophysics*, **2021**, 815, 229004	3.1	1
6	Detrital muscovite K-Ar and apatite fission-track dating of micaceous sandstones from El Bosque Formation, Sierra de Chiapas, SE Mexico. *Journal of South American Earth Sciences*, **2019**, 95, 102308	2	0
5	Stratigraphy and origin of Upper Cretaceous wedge-top and proximal foredeep deposits in the Mexican foreland basin, east-central Mexico. *Journal of South American Earth Sciences*, **2022**, 114, 103681	2	0
4	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. *Journal of South American Earth Sciences*, **2021**, 110, 103311	2	0
3	Paleogene granite from offshore of Morocco (DSDP Leg 79): crustal recycling at a passive continental margin of NW Africa. *International Journal of Earth Sciences*, **2021**, 110, 2885	2.2	
2	Technical note: LA-ICP-MS U-Pb dating of unetched and etched apatites. *Geochronology*, **2021**, 3, 59-65	3.8	
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. *International Geology Review*,1-22	2.3	