Robin Lacassin

List of Publications by Year
in descending order

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Version: 2024-02-01

65 papers	6,482 citations	117571 34 h-index	102432 66 g-index
95 all docs	95 docs citations	95 times ranked	4140 citing authors

#	Article	IF	Citations
1	Risk communication during seismo-volcanic crises: the example of Mayotte, France. Natural Hazards and Earth System Sciences, 2022, 22, 2001-2029.	1.5	4
2	Geometry of Flexural Uplift by Continental Rifting in Corinth, Greece. Tectonics, 2020, 39, e2019TC005685.	1.3	15
3	How do sea-level curves influence modeled marine terrace sequences?. Quaternary Science Reviews, 2020, 229, 106132.	1.4	22
4	Transient stripping of subducting slabs controls periodic forearc uplift. Nature Communications, 2020, 11, 1823.	5.8	49
5	Rapid collaborative knowledge building via Twitter after significant geohazard events. Geoscience Communication, 2020, 3, 129-146.	0.5	26
6	A new crustal fault formed the modern Corinth Rift. Earth-Science Reviews, 2019, 199, 102919.	4.0	15
7	Early exhumation of the Frontal Cordillera (Southern Central Andes) and implications for Andean mountain-building at ~33.5Â°S. Scientific Reports, 2019, 9, 7972.	1.6	14
8	Lithospheric flexure and rheology determined by climate cycle markers in the Corinth Rift. Scientific Reports, 2019, 9, 4260.	1.6	24
9	Revisiting the Crustal Structure and Kinematics of the Central Andes at 33.5Â°S: Implications for the Mechanics of Andean Mountain Building. Tectonics, 2018, 37, 1347-1375.	1.3	31
10	Crustal Strain in the Marmara Pullâ€Apart Region Associated With the Propagation Process of the North Anatolian Fault. Tectonics, 2018, 37, 1507-1523.	1.3	9
11	Communicating Seismic Risk: the Geoethical Challenges of a People-Centred, Participatory Approach. Annals of Geophysics, 2018, 60, .	0.5	12
12	Kinematics of the active West Andean fold-and-thrust belt (central Chile): Structure and long-term shortening rate. Tectonics, 2017, 36, 287-303.	1.3	26
13	Rupture Process of theMwÂ5.8 Pawnee, Oklahoma, Earthquake from Sentinelâ€1 InSAR and Seismological Data. Seismological Research Letters, 2017, 88, 994-1004.	0.8	56
14	The crisis of a paradigm. A methodological interpretation of Tohoku and Fukushima catastrophe. Earth-Science Reviews, 2016, 155, 49-59.	4.0	7
15	Geological structures control on earthquake ruptures: The M_w7.7, 2013, Balochistan earthquake, Pakistan. Geophysical Research Letters, 2016, 43, 10,155.	1.5	34
16	Rupture process of theM_wâ€‰=â€‰7.9 2015 Gorkha earthquake (Nepal): Insights into Himalayan megathrust segmentation. Geophysical Research Letters, 2015, 42, 8373-8382.	1.5	170
17	Corinth terraces re-visited: Improved paleoshoreline determination using Pleiades-DEMs. Geotectonic Research, 2015, 97, 12-14.	0.1	6
18	Coupled tectonic evolution of Andean orogeny and global climate. Earth-Science Reviews, 2015, 143, 1-35.	4.0	187

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19	Andean growth and monsoon winds drive landscape evolution at SW margin of South America. Earth and Planetary Science Letters, 2015, 414, 87-99.	1.8	8
20	Probing large intraplate earthquakes at the west flank of the Andes. Geology, 2014, 42, 1083-1086.	2.0	54
21	Comment on â€œDisplacement along the Karakoram fault, NW Himalaya, estimated from LA-ICP-MS Uâ€“Pb dating of offset geologic markersâ€•published by Shifeng Wang et al. in EPSL, 2012. Earth and Planetary Science Letters, 2013, 363, 242-245.	1.8	14
22	Sismotectonique du tremblement de terre du 12 janvier 2010 en HaÃ¯ti. Outre-Terre, 2013, nÂ° 35-36, 163-183.	0.0	1
23	Successive deformation episodes along the Lungmu Co zone, west-central Tibet. Gondwana Research, 2012, 21, 37-52.	3.0	26
24	The 2010 M _w 8.8 Maule Megathrust Earthquake of Central Chile, Monitored by GPS. Science, 2011, 332, 1417-1421.	6.0	345
25	Reply to the comment by R. A. Astini and F. M. DÃ¡vila on â€œThe West Andean Thrust, the San RamÃ³n Fault, and the seismic hazard for Santiago, Chileâ€• Tectonics, 2010, 29, n/a-n/a.	1.3	2
26	The West Andean Thrust, the San RamÃ³n Fault, and the seismic hazard for Santiago, Chile. Tectonics, 2010, 29, n/a-n/a.	1.3	64
27	A comment on â€œOrogen-parallel, active left-slip faults in the eastern Himalaya: Implications for the growth mechanism of the Himalayan arcâ€•by Li and Yin (Earth Planet Sci. Lett. 274 (2008) 258â€“267). Earth and Planetary Science Letters, 2009, 285, 217-222.	1.8	3
28	New Uâ€Th/Pb constraints on timing of shearing and longâ€term slipâ€rate on the Karakorum fault. Tectonics, 2008, 27, .	1.3	98
29	Discussion on the role of the Red River shear zone, Yunnan and Vietnam, in the continental extrusion of SE Asia Journal , Vol. 163, 2006, 1025â€“1036. Journal of the Geological Society, 2007, 164, 1253-1260.	0.9	123
30	Post 4ÂMa initiation of normal faulting in southern Tibet. Constraints from the Kung Co half graben. Earth and Planetary Science Letters, 2007, 256, 233-243.	1.8	74
31	Reply to comment by Y. Rolland et al. on â€œAlpine thermal and structural evolution of the highest external crystalline massif: The Mont Blancâ€• Tectonics, 2007, 26, n/a-n/a.	1.3	3
32	Twenty million years of continuous deformation along the Karakorum fault, western Tibet: A thermochronological analysis. Tectonics, 2007, 26, .	1.3	83
33	Initial movement of the Karakorum Fault in western Tibet: constraints from SHRIMP U-Pb dating of zircons. Science Bulletin, 2007, 52, 1089-1100.	1.7	14
34	Syn- and post-orogenic exhumation of metamorphic rocks in North Aegean. EEarth, 2007, 2, 51-63.	0.8	27
35	Exhumation of metamorphic rocks in N Aegean: the path from shortening to extension and extrusion. EEarth Discussions, 2007, 2, 1-35.	0.3	7
36	Seismic activity in the Sumatraâ€“Java region prior to the December 26, 2004 (Mw=9.0â€“9.3) and March 28, 2005 (Mw=8.7) earthquakes. Earth and Planetary Science Letters, 2006, 244, 639-654.	1.8	42

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37	Alpine thermal and structural evolution of the highest external crystalline massif: The Mont Blanc. Tectonics, 2005, 24, n/a-n/a.	1.3	107
38	Reply to Comment on â€œLarge-scale geometry, offset and kinematic evolution of the Karakorum fault, TibetË®. Earth and Planetary Science Letters, 2004, 229, 159-163.	1.8	17
39	Large-scale geometry, offset and kinematic evolution of the Karakorum fault, Tibet. Earth and Planetary Science Letters, 2004, 219, 255-269.	1.8	181
40	Large river offsets and Plio-Quaternary dextral slip rate on the Red River fault (Yunnan, China). Journal of Geophysical Research, 2001, 106, 819-836.	3.3	209
41	New constraints on the structure, thermochronology, and timing of the Ailao Shan-Red River shear zone, SE Asia. Journal of Geophysical Research, 2001, 106, 6683-6732.	3.3	571
42	Was the TrÃ©varesse thrust the source of the 1909 Lambesc (Provence, France) earthquake? Historical and geomorphic evidence. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2001, 333, 571-581.	0.2	6
43	Comment on â€œOnset timing of left-lateral movement along the Ailao Shan-Red river shear zone: 40Ar/39Ar dating constraint from the Nam Dinh area, northeastern Vietnamâ€•by Wang et al., 2000. Journal of Asian Earth Sciences 18, 281â€“292. Journal of Asian Earth Sciences, 2001, 20, 95-99.	1.0	19
44	Long and complex thermal history of the Song Chay metamorphic dome (Northern Vietnam) by multi-system geochronology. Tectonophysics, 2000, 321, 449-466.	0.9	116
45	Shear heating in continental strike-slip shear zones:model and field examples. Geophysical Journal International, 1999, 136, 19-40.	1.0	214
46	Unconformity of red sandstones in north Vietnam: field evidence for Indosinian orogeny in northern Indochina?. Terra Nova, 1998, 10, 106-111.	0.9	46
47	TheML5.3 Ã‰pagny (French Alps) earthquake of 1996 July 15: a long-awaited event on the Vuache Fault. Geophysical Journal International, 1998, 135, 876-892.	1.0	69
48	RÃ©ponse aux commentaires de Ambert et al., Mattauer et SÃ©brier et al. Ã la note. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1998, 327, 861-866.	0.2	0
49	Hairpin river loops and slip-sense inversion on southeast Asian strike-slip faults. Geology, 1998, 26, 703.	2.0	140
50	Tertiary diachronic extrusion and deformation of western Indochina: Structural and40Ar/39Ar evidence from NW Thailand. Journal of Geophysical Research, 1997, 102, 10013-10037.	3.3	210
51	Seismic anisotropy beneath Tibet: evidence for eastward extrusion of the Tibetan lithosphere?. Earth and Planetary Science Letters, 1996, 140, 83-96.	1.8	66
52	Tertiary deformation and metamorphism SE of Tibet: The folded Tiger-leap dÃ©collement of NW Yunnan, China. Tectonics, 1996, 15, 605-622.	1.3	71
53	The Ailao Shan-Red River shear zone (Yunnan, China), Tertiary transform boundary of Indochina. Tectonophysics, 1995, 251, 3-84.	0.9	954
54	The Basel 1356 earthquake: which fault produced it?. Terra Nova, 1994, 6, 54-63.	0.9	59

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55	Bounds on strain in large Tertiary shear zones of SE Asia from boudinage restoration. Journal of Structural Geology, 1993, 15, 677-692.	1.0	102
56	Structural, petrological and thermal evolution of a Tertiary ductile strikeâ€slip shear zone, Diancang Shan, Yunnan. Journal of Geophysical Research, 1993, 98, 6715-6743.	3.3	258
57	The Ailao Shan/Red River metamorphic belt: Tertiary left-lateral shear between Indochina and South China. Nature, 1990, 343, 431-437.	13.7	857
58	Intraplate tectonics in Asia: A precise age for large-scale Miocene movement along the Ailao Shan-Red River shear zone, China. Earth and Planetary Science Letters, 1990, 97, 65-77.	1.8	225
59	Plate-scale kinematics and compatibility of crustal shear zones in the Alps. Geological Society Special Publication, 1989, 45, 339-352.	0.8	9
60	â€˜Bone-shapedâ€™ boudins in progressive shearing. Journal of Structural Geology, 1988, 10, 335-345.	1.0	20
61	Large-scale foliation boudinage in gneisses. Journal of Structural Geology, 1988, 10, 643-647.	1.0	50
62	Kinematics of ductile shearing from outcrop to crustal scale in the Monte Rosa Nappe, Western Alps. Tectonics, 1987, 6, 69-88.	1.3	24
63	Kilometre-scale sheath fold at Mattmark and implications for transport direction in the Alps. Nature, 1985, 315, 739-742.	13.7	88
64	Signification tectonique des lineations d'allongement dans les Alpes occidentales. Bulletin - Societie Geologique De France, 1984, S7-XXVI, 895-906.	0.9	49
65	Finite strain determination of gneiss: Application of Fry's method to porphyroid in the southern Massif Central (France). Journal of Structural Geology, 1983, 5, 245-253.	1.0	34