

Stéphane Baize

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,644
citations

331259

21
h-index

301761

39
g-index

79
all docs

79
docs citations

79
times ranked

2000
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2010 <i>M_w</i> 8.8 Maule Megathrust Earthquake of Central Chile, Monitored by GPS. <i>Science</i> , 2011, 332, 1417-1421.	6.0	345
2	Land-Level Changes Produced by the <i>M_w</i> 8.8 2010 Chilean Earthquake. <i>Science</i> , 2010, 329, 916-916.	6.0	126
3	Site effect evaluation in the basin of Santiago de Chile using ambient noise measurements. <i>Geophysical Journal International</i> , 2009, 176, 925-937.	1.0	101
4	Earthquake Damage Patterns Resolve Complex Rupture Processes. <i>Geophysical Research Letters</i> , 2018, 45, 10,279.	1.5	74
5	Present-day uplift of the western Alps. <i>Scientific Reports</i> , 2016, 6, 28404.	1.6	72
6	A Worldwide and Unified Database of Surface Ruptures (SURE) for Fault Displacement Hazard Analyses. <i>Seismological Research Letters</i> , 2020, 91, 499-520.	0.8	65
7	Surface rupture and shallow fault reactivation during the 2019 Mw 4.9 Le Teil earthquake, France. <i>Communications Earth & Environment</i> , 2020, 1, .	2.6	56
8	Probing large intraplate earthquakes at the west flank of the Andes. <i>Geology</i> , 2014, 42, 1083-1086.	2.0	54
9	Present-day deformation of the Pyrenees revealed by GPS surveying and earthquake focal mechanisms until 2011. <i>Geophysical Journal International</i> , 2015, 201, 947-964.	1.0	52
10	Transposing an active fault database into a seismic hazard fault model for nuclear facilities – Part 1: Building a database of potentially active faults (BDFa) for metropolitan France. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1573-1584.	1.5	46
11	Active tectonics, seismicity and geomorphology with special reference to Normandy (France). <i>Journal of Quaternary Science</i> , 2000, 15, 745-758.	1.1	39
12	Updated seismotectonic zoning scheme of Metropolitan France, with reference to geologic and seismotectonic data. <i>Bulletin - Societe Geologique De France</i> , 2013, 184, 225-259.	0.9	38
13	A New Seismic Hazard Model for Ecuador. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1443-1464.	1.1	36
14	Paleoseismology and tectonic geomorphology of the Pallatanga fault (Central Ecuador), a major structure of the South-American crust. <i>Geomorphology</i> , 2015, 237, 14-28.	1.1	35
15	Evidences of Surface Rupture Associated With a Low-Magnitude (<i>M_w</i> < 5.0) Shallow Earthquake in the Ecuadorian Andes. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8446-8458.	1.4	30
16	Interactions between volcanism and geodynamics in the southern termination of the Ecuadorian arc. <i>Tectonophysics</i> , 2019, 751, 54-72.	0.9	24
17	Large-scale inflation of Tungurahua volcano (Ecuador) revealed by Persistent Scatterers SAR interferometry. <i>Geophysical Research Letters</i> , 2014, 41, 5821-5828.	1.5	23
18	Sedimentary evidence of historical and prehistorical earthquakes along the Venta de Bravo Fault System, Acambay Graben (Central Mexico). <i>Sedimentary Geology</i> , 2018, 365, 62-77.	1.0	22

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19	Levantamiento cosismico e impacto del tsunami a lo largo de la costa de Chile central asociado al terremoto del Maule Mw8,8 de 2010.. <i>Andean Geology</i> , 2011, 38, .	0.2	22
20	Deformation in the Jura Mountains (France): First results from semi-permanent GPS measurements. <i>Earth and Planetary Science Letters</i> , 2006, 245, 365-372.	1.8	21
21	Coherence between geodetic and seismic deformation in a context of slow tectonic activity (SW Alps.) <i>Tj ETQq1 1 0.784314 rgBT /O</i>	0.7	21
22	Lateral slip rate of Alhama de Murcia fault (SE Iberian Peninsula) based on a morphotectonic analysis: Comparison with paleoseismological data. <i>Quaternary International</i> , 2017, 451, 87-100.	0.7	21
23	22â€šyrâ€šLong Record of Surface Faulting Along the Source of the 30 October 2016 Earthquake (Central) <i>Tj ETQq1 1 0.784314 rgBT /O</i> <i>Earth</i> , 2019, 124, 9021-9048.	1.4	20
24	Probability of Occurrence and Displacement Regression of Distributed Surface Rupturing for Reverse Earthquakes. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	20
25	Rapid response to the M<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mi mathvariant="normal">w</mml:mi></mml:msub></mml:math> 4.9 earthquake of November 11, 2019 in Le Teil, Lower RhÃˆne Valley, France. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 441-463.	0.4	18
26	Geodetic evidence for shallow creep along the Quito fault, Ecuador. <i>Geophysical Journal International</i> , 2020, 220, 2039-2055.	1.0	15
27	Shallow geological structures triggered during the Mw 6.4 Meinong earthquake, southwestern Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017, 28, 663-681.	0.3	14
28	Active Tectonics and Earthquake Geology Along the Pallatanga Fault, Central Andes of Ecuador. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	13
29	Refining seismic parameters in low seismicity areas by 3D trenching: The Alhama de Murcia fault, SE Iberia. <i>Tectonophysics</i> , 2016, 680, 122-128.	0.9	12
30	Present-day geodynamics of the Western Alps: new insights from earthquake mechanisms. <i>Solid Earth</i> , 2021, 12, 1661-1681.	1.2	12
31	Transposing an active fault database into a fault-based seismic hazard assessment for nuclear facilities â€š PartÂ2: Impact of faultÂparameter uncertainties on a site-specific PSHA exerciseÂinÂtheÂUpper Rhine Graben, eastern France. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1585-1593.	1.5	11
32	Seismogenic potential of the High Durance Fault constrained by 20 yr of GNSS measurements in the Western European Alps. <i>Geophysical Journal International</i> , 2020, 222, 2136-2146.	1.0	11
33	Seismotectonics of southeast France: from the Jura mountains to Corsica. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 105-151.	0.4	11
34	Environmental effects and seismogenic source characterization of the December 2020 earthquake sequence near Petrinja, Croatia. <i>Geophysical Journal International</i> , 2022, 230, 1394-1418.	1.0	11
35	Evidence of multiple thermokarst events in northeastern France and southern Belgium during the two last glaciations. A discussion on â€šFeatures caused by ground ice growth and decay in Late Pleistocene fluvial deposits, Paris basin, Franceâ€š™ (). <i>Geomorphology</i> , 2019, 327, 613-628.	1.1	10
36	Quaternary stresses revealed by calcite twinning inversion: insights from observations in the SavonniÃˆres underground quarry (eastern France). <i>Comptes Rendus - Geoscience</i> , 2003, 335, 701-708.	0.4	9

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37	Quaternary thermokarst and thermal erosion features in northern France: origin and palaeoenvironments. <i>Boreas</i> , 2017, 46, 442-461.	1.2	9
38	Spatial Heterogeneity of Uplift Pattern in the Western European Alps Revealed by InSAR Time-Series Analysis. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
39	Present-day vertical isostatic readjustment of the Western Alps revealed by numerical modelling and geodetic and seismotectonic data. <i>Geological Society Special Publication</i> , 2010, 332, 115-128.	0.8	7
40	Mise en Évidence d'un interglaciaire du Pléistocène inférieur dans une formation fluviatile du Seuil du Cotentin (Normandie, France). <i>Géographie Physique Et Quaternaire</i> , 1997, 51, 363-378.	0.2	5
41	Interactions between active tectonics and gravitational deformation along the Billecocha fault system (Northern Ecuador): Insights from morphological and paleoseismological investigations. <i>Journal of South American Earth Sciences</i> , 2021, 111, 103406.	0.6	5
42	Earthquake surface ruptures on the altiplano and geomorphological evidence of normal faulting in the December 2016 (Mw 6.1) Parina earthquake, Peru. <i>Journal of South American Earth Sciences</i> , 2021, 106, 103098.	0.6	4
43	First assessment of recent tectonics and paleoearthquakes along the Irtysh fault (eastern Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	3
44	L'île Crémieu (Jura, France), un plateau calcaire éparpillé par la tectonique ?. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 1209-1218.	0.4	2
45	New perspectives in studying active faults in metropolitan France: the "Active faults France" (FACT/ATS) research axis from the Resif-Epos consortium. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 381-412.	0.4	2
46	The 2019 Le Teil surface-rupturing earthquake along the La Rouvière Fault within the Cévennes fault system (France): What does paleoseismology reveal?. <i>E3S Web of Conferences</i> , 2022, 342, 04001.	0.2	1
47	The Holocene sedimentary record of the flood plain of the Saint-Ciers-Sur-Gironde marsh (Gironde) Tj ETQq1 1 0.784314 rgBT /Overlock 0.3	0.3	0
48	Post-publication careers: ground ruptured, community united. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	0