

Raphael Paris

List of Publications by Year in descending order

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87
papers

3,864
citations

117571

34
h-index

128225

60
g-index

98
all docs

98
docs citations

98
times ranked

2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Tsunamis as geomorphic crises: Lessons from the December 26, 2004 tsunami in Lhok Nga, West Banda Aceh (Sumatra, Indonesia). <i>Geomorphology</i> , 2009, 104, 59-72.	1.1	246
2	Reassessment of hydrodynamic equations: Minimum flow velocity to initiate boulder transport by high energy events (storms, tsunamis). <i>Marine Geology</i> , 2011, 281, 70-84.	0.9	196
3	Eruptive and structural history of Teide Volcano and rift zones of Tenerife, Canary Islands. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 1027-1051.	1.6	185
4	Boulder and fine sediment transport and deposition by the 2004 tsunami in Lhok Nga (western Banda Aceh). <i>Marine Geology</i> , 2007, 238, 93-106.	0.9	184
5	Probabilistic Tsunami Hazard Analysis: Multiple Sources and Global Applications. <i>Reviews of Geophysics</i> , 2017, 55, 1158-1198.	9.0	170
6	Coastal sedimentation associated with the December 26, 2004 tsunami in Lhok Nga, west Banda Aceh (Sumatra, Indonesia). <i>Marine Geology</i> , 2007, 238, 93-106.	0.9	169
7	Boulder accumulations related to storms on the south coast of the Reykjanes Peninsula (Iceland). <i>Geomorphology</i> , 2010, 114, 55-70.	1.1	141
8	Implications for the early shield-stage evolution of Tenerife from K/Ar ages and magnetic stratigraphy. <i>Earth and Planetary Science Letters</i> , 2004, 222, 599-614.	1.8	130
9	Volcanic tsunami: a review of source mechanisms, past events and hazards in Southeast Asia (Indonesia, Philippines, Papua New Guinea). <i>Natural Hazards</i> , 2014, 70, 447-470.	1.6	121
10	The use of boulders for characterising past tsunamis: Lessons from the 2004 Indian Ocean and 2009 South Pacific tsunamis. <i>Earth-Science Reviews</i> , 2011, 107, 76-90.	4.0	101
11	Tsunami hazard related to a flank collapse of Anak Krakatau Volcano, Sunda Strait, Indonesia. <i>Geological Society Special Publication</i> , 2012, 361, 79-90.	0.8	101
12	High-resolution analysis of a tsunami deposit: Case-study from the 1755 Lisbon tsunami in southwestern Spain. <i>Marine Geology</i> , 2013, 337, 98-111.	0.9	92
13	A spatial analysis of the December 26th, 2004 tsunami-induced damages: Lessons learned for a better risk assessment integrating buildings vulnerability. <i>Applied Geography</i> , 2011, 31, 363-375.	1.7	89
14	Microtextural characteristics of quartz grains transported and deposited by tsunamis and storms. <i>Sedimentary Geology</i> , 2012, 275-276, 55-69.	1.0	86
15	Mantle plumes are oxidised. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115798.	1.8	85
16	Source mechanisms of volcanic tsunamis. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140380.	1.6	82
17	Numerical modelling of the tsunami triggered by the G1/4A-mar debris avalanche, Tenerife (Canary Islands). <i>Marine Geology</i> , 2007, 238, 93-106.	0.9	74
18	Reconstruction of Tsunami Inland Propagation on December 26, 2004 in Banda Aceh, Indonesia, through Field Investigations. <i>Pure and Applied Geophysics</i> , 2009, 166, 259-281.	0.8	67

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19	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	65
20	Evolution of ocean-island rifts: The northeast rift zone of Tenerife, Canary Islands. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 562-584.	1.6	63
21	Use of anisotropy of magnetic susceptibility (AMS) in the study of tsunami deposits: Application to the 2004 deposits on the eastern coast of Banda Aceh, North Sumatra, Indonesia. <i>Marine Geology</i> , 2010, 275, 255-272.	0.9	62
22	Tsunami deposits related to flank collapse in oceanic volcanoes: The Agaete Valley evidence, Gran Canaria, Canary Islands. <i>Marine Geology</i> , 2006, 227, 135-149.	0.9	60
23	Volcanic and morphological evolution of La Gomera (Canary Islands), based on new ⁴⁰ Ar ages and magnetic stratigraphy: implications for oceanic island evolution. <i>Journal of the Geological Society</i> , 2005, 162, 501-512.	0.9	55
24	Tsunami deposits in Santiago Island (Cape Verde archipelago) as possible evidence of a massive flank failure of Fogos volcano. <i>Sedimentary Geology</i> , 2011, 239, 129-145.	1.0	55
25	The December 22, 2018 Anak Krakatau, Indonesia, Landslide and Tsunami: Preliminary Modeling Results. <i>Pure and Applied Geophysics</i> , 2020, 177, 571-590.	0.8	55
26	Field observations of the 17 July 2006 Tsunami in Java. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 177-183.	1.5	52
27	Mega-tsunami conglomerates and flank collapses of ocean island volcanoes. <i>Marine Geology</i> , 2018, 395, 168-187.	0.9	51
28	Numerical assessment of boulder transport by the 2004 Indian ocean tsunami in Lhok Nga, West Banda Aceh (Sumatra, Indonesia). <i>Computers and Geosciences</i> , 2011, 37, 1391-1399.	2.0	48
29	Explosive eruption, flank collapse and megatsunami at Tenerife ca. 170 ka. <i>Nature Communications</i> , 2017, 8, 15246.	5.8	46
30	Source of the tsunami generated by the 1650 AD eruption of Kolumbo submarine volcano (Aegean Sea,) <i>Tectonophysics</i> , 2017, 648, 1-13.	0.8	43
31	The Holocene volcanic history of Gran Canaria island: implications for volcanic hazards. <i>Journal of Quaternary Science</i> , 2009, 24, 697-709.	1.1	40
32	Coupling eruption and tsunami records: the Krakatau 1883 case study, Indonesia. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	38
33	Onshore tsunami sediment transport mechanisms inferred from heavy mineral assemblages. <i>Holocene</i> , 2015, 25, 795-809.	0.9	36
34	X-ray tomography of tsunami deposits: Towards a new depositional model of tsunami deposits. <i>Sedimentology</i> , 2017, 64, 453-477.	1.6	33
35	Systematic Review Shows That Work Done by Storm Waves Can Be Misinterpreted as Tsunami-Related Because Commonly Used Hydrodynamic Equations Are Flawed. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	32
36	Numerical simulation of a tsunami event during the 1996 volcanic eruption in Karymskoye lake, Kamchatka, Russia. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 2359-2369.	1.5	30

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37	Factors controlling the morphology of monogenetic basaltic volcanoes: The Holocene volcanism of Gran Canaria (Canary Islands, Spain). <i>Geomorphology</i> , 2012, 136, 31-44.	1.1	30
38	SO ₂ and tephra emissions during the December 22, 2018 Anak Krakatau eruption. <i>Volcanica</i> , 2019, 2, 91-103.	0.6	29
39	G2SD: un nouveau package fonctionnant sous R permettant l'analyse statistique des sédiments non-consolidés. <i>Geomorphologie Relief, Processus, Environnement</i> , 2014, 20, 73-78.	0.7	29
40	Tsunami-resilient communities' development in Indonesia through educative actions. <i>Disaster Prevention and Management</i> , 2008, 17, 430-446.	0.6	27
41	Numerical simulations of tsunamis generated by underwater volcanic explosions at Karymskoye lake (Kamchatka, Russia) and Kolumbo volcano (Aegean Sea, Greece). <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 401-412.	1.5	22
42	MeMoVolc consensual document: a review of cross-disciplinary approaches to characterizing small explosive magmatic eruptions. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	22
43	A mid-Holocene candidate tsunami deposit from the NW Cape (Western Australia). <i>Sedimentary Geology</i> , 2016, 332, 40-50.	1.0	22
44	Modeling of coastal erosion and sediment deposition during the 2004 Indian Ocean tsunami in Lhok Nga, Sumatra, Indonesia. <i>Natural Hazards</i> , 2013, 65, 1967-1979.	1.6	21
45	Sedimentary fabric characterized by X-ray tomography: A case study from tsunami deposits on the Marquesas Islands, French Polynesia. <i>Sedimentology</i> , 2020, 67, 1207-1229.	1.6	19
46	Probabilistic hazard analysis for tsunamis generated by subaqueous volcanic explosions in the Campi Flegrei caldera, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 379, 106-116.	0.8	18
47	GIS methods applied to the degradation of monogenetic volcanic fields: A case study of the Holocene volcanism of Gran Canaria (Canary Islands, Spain). <i>Geomorphology</i> , 2011, 134, 249-259.	1.1	17
48	Impact of Fluidized Granular Flows into Water: Implications for Tsunamis Generated by Pyroclastic Flows. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018954.	1.4	17
49	Bridging Legends and Science: Field Evidence of a Large Tsunami that Affected the Kingdom of Tonga in the 15th Century. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	17
50	The Holocene volcanism of Gran Canaria (Canary Islands, Spain). <i>Journal of Maps</i> , 2018, 14, 620-629.	1.0	16
51	Volcanic and structural evolution of Pico do Fogo, Cape Verde. <i>Geology Today</i> , 2015, 31, 146-152.	0.3	15
52	Simulating the thermorheological evolution of channel-contained lava: FLOWGO and its implementation in EXCEL. <i>Geological Society Special Publication</i> , 2016, 426, 313-336.	0.8	15
53	A tsunami deposit at Anse Meunier, Martinique Island: Evidence of the 1755 CE Lisbon tsunami and implication for hazard assessment. <i>Marine Geology</i> , 2021, 439, 106561.	0.9	15
54	Reconstruction of Tsunami Inland Propagation on December 26, 2004 in Banda Aceh, Indonesia, through Field Investigations. , 2009, , 259-281.		14

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55	Scenario of the 1996 volcanic tsunamis in Karymskoye Lake, Kamchatka, inferred from X-ray tomography of heavy minerals in tsunami deposits. <i>Marine Geology</i> , 2018, 396, 160-170.	0.9	14
56	GPR-derived architecture of a lahar-generated fan at Cotopaxi volcano, Ecuador. <i>Geomorphology</i> , 2014, 213, 225-239.	1.1	13
57	Insights into the evolution of the Yenkahe resurgent dome (Siwi caldera, Tanna Island, Vanuatu) inferred from aerial high-resolution photogrammetry. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 299, 78.	0.8	13
58	Tsunamis generated by subaqueous volcanic explosions in Taal Caldera Lake, Philippines. <i>Bulletin of Volcanology</i> , 2019, 81, 1.	1.1	13
59	Exploring the links between volcano flank collapse and the magmatic evolution of an ocean island volcano: Fogo, Cape Verde. <i>Scientific Reports</i> , 2021, 11, 17478.	1.6	11
60	Insights into the evolution of the Yenkahe resurgent dome (Siwi caldera, Tanna Island, Vanuatu) inferred from aerial high-resolution photogrammetry. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 212-224.	0.8	10
61	The Mediterranean Sea and the Gulf of Cadiz as a natural laboratory for paleotsunami research: Recent advancements. <i>Earth-Science Reviews</i> , 2021, 216, 103578.	4.0	9
62	Title is missing!. <i>Estudios Geologicos</i> , 2004, 60, .	0.7	9
63	Advances in the study of mega-tsunamis in the geological record. <i>Earth-Science Reviews</i> , 2020, 210, 103381.	4.0	8
64	The 1877 lahar deposits on the eastern flank of Cotopaxi volcano. <i>Geomorphologie Relief, Processus, Environnement</i> , 2007, 13, 271-280.	0.7	8
65	Recent unrest at Canary Islands' Teide Volcano?. <i>Eos</i> , 2006, 87, 462-465.	0.1	7
66	Comment on "The distribution of basaltic volcanism on Tenerife, Canary Islands: Implications on the origin and dynamics of the rift systems" by A. Geyer and J. Martı́n. <i>Tectonophysics</i> 483 (2010) 310-326. <i>Tectonophysics</i> , 2011, 503, 239-241.	0.9	7
67	Experimental Insights on the Propagation of Fine-Grained Geophysical Flows Entering Water. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016838.	1.0	7
68	La dorsal NE de Tenerife: hacia un modelo del origen y evoluci3n de los rifts de islas oce4nicas. <i>Estudios Geologicos</i> , 2009, 65, 5-47.	0.7	6
69	Sedimentary facies and transfer associated with the December 26, 2004 tsunami on the north eastern littoral of Banda Aceh (Sumatra, Indonesia). <i>Geomorphologie Relief, Processus, Environnement</i> , 2007, 13, 335-346.	0.7	6
70	Comment on "Reconstructing tsunami run-up from the characteristics of tsunami deposits on the Thai Andaman Coast" by Srisutam and Wagner (2010). <i>Coastal Engineering</i> , 2012, 61, 53-55.	1.7	5
71	Coherence Change Analysis for Multipass Insar Images Based on the Change Detection Matrix. , 2019, , .		5
72	The use of vascular plant densities to estimate the age of undated lava flows in semi-arid areas of Fogo Island (Cape Verde, Atlantic Ocean). <i>Journal of Arid Environments</i> , 2020, 173, 104042.	1.2	5

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73	Pre-Holocene age of Humboldt's 1430 eruption of the Orotava Valley, Tenerife, Canary Islands. <i>Geology Today</i> , 2010, 26, 101-104.	0.3	4
74	Analysis of bacterial and archaeal communities associated with Fogo volcanic soils of different ages. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	4
75	Discriminating between tsunamis and tropical cyclones in the sedimentary record using X-ray tomography. <i>Marine Geology</i> , 2022, 450, 106864.	0.9	4
76	Numerical modeling of the December 22, 2018 Anak Krakatau landslide and the following tsunami in Sunda Strait, Indonesia. , 2019, , .		3
77	Modeling of coastal erosion and sediment deposition during the 2004 Indian Ocean tsunami in Lhok Nga, Sumatra, Indonesia. , 2013, 65, 1967.		1
78	L'Éducation des populations: mesure essentielle pour la réduction du risque de tsunami en Indonésie. , 2011, , 271-287.		1
79	Indian Ocean Tsunami, 2004. <i>Encyclopedia of Earth Sciences Series</i> , 2013, , 529-535.	0.1	1
80	Reply to Comment on "Recent unrest at Canary Islands' Teide Volcano" <i>Eos</i> , 2007, 88, 488-488.	0.1	0
81	Geological Hazards in the Teide Volcanic Complex. <i>Active Volcanoes of the World</i> , 2013, , 249-272.	1.0	0
82	Intérêt de la ventilation à poumons simples par les pour le traitement d'une fistule bronchopleurale. <i>Anesthésie & Réanimation</i> , 2015, 1, 270-271.	0.1	0
83	X-ray tomography applied to tsunami deposits. , 2020, , 365-380.		0
84	Transferts sédimentaires syn- et post-tsunami à Kajhu, nord-est de Banda Aceh. , 2011, , 145-161.		0
85	Formes et estimation de l'érosion côtière causée par le tsunami du 26 décembre 2004 à Lhok Nga, ouest de Banda Aceh. , 2011, , 99-109.		0
86	The Teide Volcanic Complex: Physical Environment and Geomorphology. <i>Active Volcanoes of the World</i> , 2013, , 37-56.	1.0	0
87	Mega-tsunami deposits related to ocean island flank collapses and asteroid impacts. , 2020, , 547-559.		0