Raphael Paris

List of Publications by Citations

83 papers	2,900 citations	31 h-index	52 g-index
98 ext. papers	3,425 ext. citations	3.4 avg, IF	5.25 L-index

#	Paper	IF	Citations
83	Tsunamis as geomorphic crises: Lessons from the December 26, 2004 tsunami in Lhok Nga, West Banda Aceh (Sumatra, Indonesia). *Geomorphology*, **2009**, 104, 59-72	4.3	212
82	Eruptive and structural history of Teide Volcano and rift zones of Tenerife, Canary Islands. *Bulletin of the Geological Society of America*, **2007**, 119, 1027-1051	3.9	163
81	Reassessment of hydrodynamic equations: Minimum flow velocity to initiate boulder transport by high energy events (storms, tsunamis). *Marine Geology*, **2011**, 281, 70-84	3.3	162
80	Boulder and fine sediment transport and deposition by the 2004 tsunami in Lhok Nga (western Banda Aceh, Sumatra, Indonesia): A coupled offshore–onshore model. *Marine Geology*, **2010**, 268, 43-54	3.3	149
79	Coastal sedimentation associated with the December 26, 2004 tsunami in Lhok Nga, west Banda Aceh (Sumatra, Indonesia). *Marine Geology*, **2007**, 238, 93-106	3.3	146
78	Boulder accumulations related to storms on the south coast of the Reykjanes Peninsula (Iceland). *Geomorphology*, **2010**, 114, 55-70	4.3	123
77	Implications for the early shield-stage evolution of Tenerife from K/Ar ages and magnetic stratigraphy. *Earth and Planetary Science Letters*, **2004**, 222, 599-614	5.3	116
76	Probabilistic Tsunami Hazard Analysis: Multiple Sources and Global Applications. *Reviews of Geophysics*, **2017**, 55, 1158-1198	23.1	103
75	Volcanic tsunami: a review of source mechanisms, past events and hazards in Southeast Asia (Indonesia, Philippines, Papua New Guinea). *Natural Hazards*, **2014**, 70, 447-470	3	85
74	The use of boulders for characterising past tsunamis: Lessons from the 2004 Indian Ocean and 2009 South Pacific tsunamis. *Earth-Science Reviews*, **2011**, 107, 76-90	10.2	81
73	A spatial analysis of the December 26th, 2004 tsunami-induced damages: Lessons learned for a better risk assessment integrating buildings vulnerability. *Applied Geography*, **2011**, 31, 363-375	4.4	73
72	High-resolution analysis of a tsunami deposit: Case-study from the 1755 Lisbon tsunami in southwestern Spain. *Marine Geology*, **2013**, 337, 98-111	3.3	72
71	Tsunami hazard related to a flank collapse of Anak Krakatau Volcano, Sunda Strait, Indonesia. *Geological Society Special Publication*, **2012**, 361, 79-90	1.7	65
70	Numerical modelling of the tsunami triggered by the Güímar debris avalanche, Tenerife (Canary Islands): Comparison with field-based data. *Marine Geology*, **2011**, 284, 189-202	3.3	61
69	Microtextural characteristics of quartz grains transported and deposited by tsunamis and storms. *Sedimentary Geology*, **2012**, 275-276, 55-69	2.8	58
68	Evolution of ocean-island rifts: The northeast rift zone of Tenerife, Canary Islands. *Bulletin of the Geological Society of America*, **2011**, 123, 562-584	3.9	56
67	Reconstruction of Tsunami Inland Propagation on December 26, 2004 in Banda Aceh, Indonesia, through Field Investigations. *Pure and Applied Geophysics*, **2009**, 166, 259-281	2.2	55

66	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. *Marine Geology*, **2010**, 275, 255-272	3.3	54
65	Source mechanisms of volcanic tsunamis. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	49
64	Tsunami deposits related to flank collapse in oceanic volcanoes: The Agaete Valley evidence, Gran Canaria, Canary Islands. *Marine Geology*, **2006**, 227, 135-149	3.3	49
63	Volcanic and morphological evolution of La Gomera (Canary Islands), based on new K□Ar ages and magnetic stratigraphy: implications for oceanic island evolution. *Journal of the Geological Society*, **2005**, 162, 501-512	2.7	48
62	Mega-tsunami conglomerates and flank collapses of ocean island volcanoes. *Marine Geology*, **2018**, 395, 168-187	3.3	44
61	Tsunami deposits in Santiago Island (Cape Verde archipelago) as possible evidence of a massive flank failure of Fogos volcano. *Sedimentary Geology*, **2011**, 239, 129-145	2.8	42
60	Numerical assessment of boulder transport by the 2004 Indian ocean tsunami in Lhok Nga, West Banda Aceh (Sumatra, Indonesia). *Computers and Geosciences*, **2011**, 37, 1391-1399	4.5	37
59	Mantle plumes are oxidised. *Earth and Planetary Science Letters*, **2019**, 527, 115798	5.3	36
58	Explosive eruption, flank collapse and megatsunami at Tenerife ca. 170 ka. *Nature Communications*, **2017**, 8, 15246	17.4	35
57	The December 22, 2018 Anak Krakatau, Indonesia, Landslide and Tsunami: Preliminary Modeling Results. *Pure and Applied Geophysics*, **2020**, 177, 571-590	2.2	35
56	The Holocene volcanic history of Gran Canaria island: implications for volcanic hazards. *Journal of Quaternary Science*, **2009**, 24, 697-709	2.3	34
55	Field observations of the 17 July 2006 Tsunami in Java. *Natural Hazards and Earth System Sciences*, **2007**, 7, 177-183	3.9	34
54	Source of the tsunami generated by the 1650 AD eruption of Kolumbo submarine volcano (Aegean Sea, Greece). *Journal of Volcanology and Geothermal Research*, **2016**, 321, 125-139	2.8	32
53	Coupling eruption and tsunami records: the Krakatau 1883 case study, Indonesia. *Bulletin of Volcanology*, **2014**, 76, 1	2.4	29
52	Onshore tsunami sediment transport mechanisms inferred from heavy mineral assemblages. *Holocene*, **2015**, 25, 795-809	2.6	29
51	Factors controlling the morphology of monogenetic basaltic volcanoes: The Holocene volcanism of Gran Canaria (Canary Islands, Spain). *Geomorphology*, **2012**, 136, 31-44	4.3	23
50	Systematic Review Shows That Work Done by Storm Waves Can Be Misinterpreted as Tsunami-Related Because Commonly Used Hydrodynamic Equations Are Flawed. *Frontiers in Marine Science*, **2020**, 7,	4.5	21
49	Numerical simulation of a tsunami event during the 1996 volcanic eruption in Karymskoye lake, Kamchatka, Russia. *Natural Hazards and Earth System Sciences*, **2010**, 10, 2359-2369	3.9	21

48	SO2 and tephra emissions during the December 22, 2018 Anak Krakatau flank-collapse eruption. *Volcanica*, **2019**, 2, 91-103	2.7	21
47	X-ray tomography of tsunami deposits: Towards a new depositional model of tsunami deposits. *Sedimentology*, **2017**, 64, 453-477	3.3	20
46	MeMoVolc consensual document: a review of cross-disciplinary approaches to characterizing small explosive magmatic eruptions. *Bulletin of Volcanology*, **2015**, 77, 1	2.4	20
45	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. *Frontiers in Earth Science*,9,	3.5	18
44	A mid-Holocene candidate tsunami deposit from the NW Cape (Western Australia). *Sedimentary Geology*, **2016**, 332, 40-50	2.8	17
43	Numerical simulations of tsunamis generated by underwater volcanic explosions at Karymskoye lake (Kamchatka, Russia) and Kolumbo volcano (Aegean Sea, Greece). *Natural Hazards and Earth System Sciences*, **2014**, 14, 401-412	3.9	17
42	Tsunami-resilient communities' development in Indonesia through educative actions. *Disaster Prevention and Management*, **2008**, 17, 430-446	1.5	17
41	G2Sd: a new R package for the statistical analysis of unconsolidated sediments. *Geomorphologie Relief, Processus, Environnement*, **2014**, 20, 73-78	0.7	17
40	Nannoliths abundance and distribution in tsunami deposits: example from the December 26, 2004 tsunami in Lhok Nga (northwest Sumatra, Indonesia). *Geomorphologie Relief, Processus, Environnement*, **2010**, 16, 109-118	0.7	17
39	Modeling of coastal erosion and sediment deposition during the 2004 Indian Ocean tsunami in Lhok Nga, Sumatra, Indonesia. *Natural Hazards*, **2013**, 65, 1967-1979	3	15
38	Probabilistic hazard analysis for tsunamis generated by subaqueous volcanic explosions in the Campi Flegrei caldera, Italy. *Journal of Volcanology and Geothermal Research*, **2019**, 379, 106-116	2.8	13
37	GIS methods applied to the degradation of monogenetic volcanic fields: A case study of the Holocene volcanism of Gran Canaria (Canary Islands, Spain). *Geomorphology*, **2011**, 134, 249-259	4.3	13
36	Simulating the thermorheological evolution of channel-contained lava: FLOWGO and its implementation in EXCEL. *Geological Society Special Publication*, **2016**, 426, 313-336	1.7	11
35	Insights into the evolution of the Yenkahe resurgent dome (Siwi caldera, Tanna Island, Vanuatu) inferred from aerial high-resolution photogrammetry. *Journal of Volcanology and Geothermal Research*, **2015**, 299, 78	2.8	11
34	Scenario of the 1996 volcanic tsunamis in Karymskoye Lake, Kamchatka, inferred from X-ray tomography of heavy minerals in tsunami deposits. *Marine Geology*, **2018**, 396, 160-170	3.3	11
33	Insights into the evolution of the Yenkahe resurgent dome (Siwi caldera, Tanna Island, Vanuatu) inferred from aerial high-resolution photogrammetry. *Journal of Volcanology and Geothermal Research*, **2016**, 322, 212-224	2.8	10
32	Sedimentary fabric characterized by X-ray tomography: A case-study from tsunami deposits on the Marquesas Islands, French Polynesia. *Sedimentology*, **2020**, 67, 1207-1229	3.3	10
31	The Holocene volcanism of Gran Canaria (Canary Islands, Spain). *Journal of Maps*, **2018**, 14, 620-629	2.2	9

30	Impact of Fluidized Granular Flows into Water: Implications for Tsunamis Generated by Pyroclastic Flows. *Journal of Geophysical Research: Solid Earth*, **2020**, 125, e2019JB018954	3.6	8
29	Volcanic and structural evolution of Pico do Fogo, Cape Verde. *Geology Today*, **2015**, 31, 146-152	0.4	8
28	GPR-derived architecture of a lahar-generated fan at Cotopaxi volcano, Ecuador. *Geomorphology*, **2014**, 213, 225-239	4.3	8
27	Tsunamis generated by subaqueous volcanic explosions in Taal Caldera Lake, Philippines. *Bulletin of Volcanology*, **2019**, 81, 1	2.4	7
26	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. Martí "Tectonophysics 483 (2010) 310–326. *Tectonophysics*, **2011**, 503, 239-241	3.1	7
25	Recent unrest at Canary Islands' Teide Volcano?. *Eos*, **2006**, 87, 462-465	1.5	7
24	The 1877 lahar deposits on the eastern flank of Cotopaxi volcano. *Geomorphologie Relief, Processus, Environnement*, **2007**, 13, 271-280	0.7	7
23	. *Estudios Geologicos*, **2004**, 60,	0.3	6
22	Faciès et transferts sédimentaires associés au tsunami du 26 décembre 2004 sur le littoral au nord-est de Banda Aceh (Sumatra, Indonésie). *Geomorphologie Relief, Processus, Environnement*, **2007**, 13, 335-346	0.7	6
21	Comment on "Reconstructing tsunami run-up from the characteristics of tsunami deposits on the Thai Andaman Coast" by Srisutam and Wagner (2010). *Coastal Engineering*, **2012**, 61, 53-55	4.8	5
20	La dorsal NE de Tenerife: hacia un modelo del origen y evolución de los rifts de islas oceánicas. *Estudios Geologicos*, **2009**, 65, 5-47	0.3	5
19	Advances in the study of mega-tsunamis in the geological record. *Earth-Science Reviews*, **2020**, 210, 103381	11.2	5
18	Pre-Holocene age of Humboldt's 1430 eruption of the Orotava Valley, Tenerife, Canary Islands. *Geology Today*, **2010**, 26, 101-104	0.4	4
17	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). *Journal of Arid Environments*, **2020**, 173, 104042	2.5	4
16	Reconstruction of Tsunami Inland Propagation on December 26, 2004 in Banda Aceh, Indonesia, through Field Investigations **2009**, 259-281		3
15	A tsunami deposit at Anse Meunier, Martinique Island: Evidence of the 1755 CE Lisbon tsunami and implication for hazard assessment. *Marine Geology*, **2021**, 439, 106561	3.3	3
14	Exploring the links between volcano flank collapse and the magmatic evolution of an ocean island volcano: Fogo, Cape Verde. *Scientific Reports*, **2021**, 11, 17478	4.9	3
13	Bridging Legends and Science: Field Evidence of a Large Tsunami that Affected the Kingdom of Tonga in the 15th Century. *Frontiers in Earth Science*, **2021**, 9,	3.5	3

12	Coherence Change Analysis for Multipass Insar Images Based on the Change Detection Matrix **2019** ,		2
11	Numerical modeling of the December 22, 2018 Anak Krakatau landslide and the following tsunami in Sunda Strait, Indonesia **2019**,		1
10	Eruptive Styles at the Teide Volcanic Complex. *Active Volcanoes of the World*, **2013**, 213-231	0.4	1
9	Experimental Insights on the Propagation of Fine-Grained Geophysical Flows Entering Water. *Journal of Geophysical Research: Oceans*, **2021**, 126, e2020JC016838	3.3	1
8	The Mediterranean Sea and the Gulf of Cadiz as a natural laboratory for paleotsunami research: Recent advancements. *Earth-Science Reviews*, **2021**, 216, 103578	10.2	1
7	Modeling of coastal erosion and sediment deposition during the 2004 Indian Ocean tsunami in Lhok Nga, Sumatra, Indonesia **2013**, 65, 1967		0
6	Intr t de la ventilation poumons spar s pour le traitement d ne fistule bronchopleurale. *Anesth sie & R animation*, **2015**, 1, 270-271	0.1	
5	X-ray tomography applied to tsunami deposits **2020**, 365-380		
4	Geological Hazards in the Teide Volcanic Complex. *Active Volcanoes of the World*, **2013**, 249-272	0.4	
3	Reply to Comment on Recent unrest at Canary Islands' Teide Volcano? *Eos*, **2007**, 88, 488-488	1.5	
2	Mega-tsunami deposits related to ocean island flank collapses and asteroid impacts **2020**, 547-559		
1	The Teide Volcanic Complex: Physical Environment and Geomorphology. *Active Volcanoes of the World*, **2013**, 37-56	0.4	