

Pierre-Jean Gauthier

List of Publications by Year in descending order

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18
papers

820
citations

687363

13
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	210Pb and 226Ra radioactive disequilibria in recent lavas and radon degassing: inferences on the magma chamber dynamics at Stromboli and Merapi volcanoes. <i>Earth and Planetary Science Letters</i> , 1999, 172, 111-126.	4.4	98
2	Variability of alkali and heavy metal fluxes released by Mt. Etna volcano, Sicily, between 1991 and 1995. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 311-326.	2.1	94
3	Trace element degassing and enrichment in the eruptive plume of the 2000 eruption of Hekla volcano, Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 461-479.	3.9	90
4	Precise determination of Rb, Sr, Ba, and Pb in geological materials by isotope dilution and ICP-quadrupole mass spectrometry following selective separation of the analytes. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 135-141.	3.0	71
5	Recent volatile evolution in the magmatic system of Hekla volcano, Iceland. <i>Earth and Planetary Science Letters</i> , 2007, 255, 373-389.	4.4	69
6	Prodigious emission rates and magma degassing budget of major, trace and radioactive volatile species from Ambrym basaltic volcano, Vanuatu island Arc. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 119-143.	2.1	67
7	Trace elements in the particulate phase of the plume of Masaya Volcano, Nicaragua. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 193, 232-244.	2.1	62
8	Elevated gas flux and trace metal degassing from the 2014 and 2015 fissure eruption at the Bárðarbunga volcanic system, Iceland. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1610-1630.	3.4	57
9	A Sr, Nd, Hf, and Pb isotope perspective on the genesis and long-term evolution of alkaline magmas from Erebus volcano, Antarctica. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 606-618.	2.1	50
10	Pele's hairs and tears: Natural probe of volcanic plume. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 164, 244-253.	2.1	42
11	On the Time Scales of Magma Genesis, Melt Evolution, Crystal Growth Rates and Magma Degassing in the Erebus Volcano Magmatic System Using the 238U, 235U and 232Th Decay Series. <i>Journal of Petrology</i> , 2013, 54, 235-271.	2.8	39
12	An experimental investigation of radon diffusion in an anhydrous andesitic melt at atmospheric pressure: implications for radon degassing from erupting magmas. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 645-656.	3.9	22
13	A simple model of 222Rn accumulation leading to 210Pb excesses in volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2010, 293, 331-338.	4.4	22
14	226Ra or 226Ra/Ba dating of Holocene volcanic rocks: application to Mt. Etna and Merapi volcanoes. <i>Earth and Planetary Science Letters</i> , 2005, 230, 289-300.	4.4	12
15	Radon Activity in Volcanic Gases of Mt. Etna by Passive Dosimetry. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019149.	3.4	10
16	Excess 210Po in 2010 Eyjafjallajökull tephra (Iceland): Evidence for pre-eruptive gas accumulation. <i>Earth and Planetary Science Letters</i> , 2015, 427, 66-73.	4.4	9
17	Fractional degassing of S, Cl and F from basalt magma in the Bárðarbunga rift zone, Iceland. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	6
18	A simulation-driven spectrometric method to determine $\hat{\pm}$ particle attenuation in air filters. <i>Radiation Measurements</i> , 2021, 150, 106684.	1.4	0