

Philipson Bani

List of Publications by Year in descending order

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45
papers

1,098
citations

471509

17
h-index

414414

32
g-index

49
all docs

49
docs citations

49
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrasound monitoring of volcanoes to probe high-altitude winds. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	93
2	Rapid FTIR sensing of volcanic gases released by Strombolian explosions at Yasur volcano, Vanuatu. <i>Applied Physics B: Lasers and Optics</i> , 2006, 85, 453-460.	2.2	84
3	Magma and Volatile Supply to Post-collapse Volcanism and Block Resurgence in Siwi Caldera (Tanna) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	84
4	CO ₂ flux emissions from the Earth's most actively degassing volcanoes, 2005–2015. <i>Scientific Reports</i> , 2019, 9, 5442.	3.3	84
5	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
6	First estimate of volcanic SO ₂ budget for Vanuatu island arc. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 211-212, 36-46.	2.1	65
7	Surge in sulphur and halogen degassing from Ambrym volcano, Vanuatu. <i>Bulletin of Volcanology</i> , 2009, 71, 1159-1168.	3.0	61
8	Sustaining persistent lava lakes: Observations from high-resolution gas measurements at Villarrica volcano, Chile. <i>Earth and Planetary Science Letters</i> , 2016, 454, 237-247.	4.4	50
9	Degassing dynamics of basaltic lava lake at a top-ranking volatile emitter: Ambrym volcano, Vanuatu arc. <i>Earth and Planetary Science Letters</i> , 2016, 448, 69-80.	4.4	41
10	Fast ascent rate during the 2017–2018 Plinian eruption of Ambae (Aoba) volcano: a petrological investigation. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	38
11	Remarkable geochemical changes and degassing at Voui crater lake, Ambae volcano, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 188, 347-357.	2.1	35
12	First determination of magma-derived gas emissions from Bromo volcano, eastern Java (Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 206-213.	2.1	34
13	Sulphur dioxide emission rates from Yasur volcano, Vanuatu archipelago. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	33
14	Volcanic gas emissions and degassing dynamics at Ubinas and Sabancaya volcanoes; implications for the volatile budget of the central volcanic zone. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 343, 181-191.	2.1	30
15	Magma dynamics feeding Yasur's explosive activity observed using thermal infrared remote sensing. <i>Geophysical Research Letters</i> , 2013, 40, 3830-3835.	4.0	26
16	New insights into Kawah Ijen's volcanic system from the wet volcano workshop experiment. <i>Geological Society Special Publication</i> , 2017, 437, 35-56.	1.3	24
17	Sulfur dioxide emissions from Papandayan and Bromo, two Indonesian volcanoes. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 2399-2407.	3.6	20
18	Magmatic gas percolation through the old lava dome of El Misti volcano. <i>Bulletin of Volcanology</i> , 2017, 79, 46.	3.0	18

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19	Overview of the precursors and dynamics of the 2012–13 basaltic fissure eruption of Tolbachik Volcano, Kamchatka, Russia. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 378.	2.1	17
20	First measurement of the volcanic gas output from Anak Krakatau, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 302, 237-241.	2.1	17
21	Dukono, the predominant source of volcanic degassing in Indonesia, sustained by a depleted Indian-MORB. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	16
22	First study of the heat and gas budget for Sirung volcano, Indonesia. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	15
23	How to turn off a lava lake? A petrological investigation of the 2018 intra-caldera and submarine eruptions of Ambrym volcano. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	13
24	Characteristics of the summit lakes of Ambae volcano and their potential for generating lahars. <i>Natural Hazards and Earth System Sciences</i> , 2009, 9, 1471-1478.	3.6	12
25	Multi-Parametric Field Experiment Links Explosive Activity and Persistent Degassing at Stromboli. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	12
26	Unrest at the Nevados de Chillán volcanic complex: a failed or yet to unfold magmatic eruption?. <i>Volcanica</i> , 2018, 1, 19-32.	1.8	12
27	Ibu volcano, a center of spectacular dacite dome growth and long-term continuous eruptive discharges. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 282, 36-42.	2.1	10
28	The 2009–2010 eruption of Gaua volcano (Vanuatu archipelago): Eruptive dynamics and unsuspected strong halogens source. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 63-75.	2.1	9
29	Isotopically ($\delta^{13}C$ and $\delta^{18}O$) heavy volcanic plumes from Central Andean volcanoes: a field study. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	9
30	The effusive-explosive transitions at Rokatenda 2012–2013: unloading by extrusion of degassed magma with lateral gas flow. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	3.0	8
31	Noble gas magmatic signature of the Andean Northern Volcanic Zone from fluid inclusions in minerals. <i>Chemical Geology</i> , 2021, 559, 119966.	3.3	8
32	Magma transfer and degassing budget: Application to the 2009–2010 eruptive crisis of Mt Garet (Vanuatu arc). <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 48-62.	2.1	7
33	Geothermal System as the Cause of the 1979 Landslide Tsunami in Lembata Island, Indonesia. <i>Indonesian Journal on Geoscience</i> , 2015, 2, .	0.3	7
34	Spatial distribution of helium isotopes in volcanic gases and thermal waters along the Vanuatu (New Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	6
35	First characterization of Gamkonora gas emission, North Maluku, East Indonesia. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	6
36	Distribution of sulfur aerosol precursors in the SPCZ released by continuous volcanic degassing at Ambrym, Vanuatu. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 322, 76-104.	2.1	4

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37	First gas and thermal measurements at the frequently erupting Gamalama volcano (Indonesia) reveal a hydrothermally dominated magmatic system. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 407, 107096.	2.1	4
38	First In-Situ Measurements of Plume Chemistry at Mount Garet Volcano, Island of Gaua (Vanuatu). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7293.	2.5	4
39	Insights into the recurrent energetic eruptions that drive Awu, among the deadliest volcanoes on Earth. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 2119-2132.	3.6	4
40	Modest volcanic SO ₂ emissions from the Indonesian archipelago. <i>Nature Communications</i> , 2022, 13, .	12.8	4
41	Heterogeneity of volatile sources along the Halmahera arc, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 418, 107342.	2.1	3
42	Elevated CO ₂ Emissions during Magmatic-Hydrothermal Degassing at Awu Volcano, Sangihe Arc, Indonesia. <i>Geosciences (Switzerland)</i> , 2020, 10, 470.	2.2	2
43	Bromo activity over the last decade: consistent passive degassing and source magma evolution. <i>Geoscience Letters</i> , 2022, 9, .	3.3	1
44	Correlation between SO ₂ emissions rate and S contained in fuel used in a power plant, Noumea, New Caledonia. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
45	Geothermal System as the Cause of the 1979 Landslide Tsunami in Lembata Island, Indonesia. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 579-588.	1.1	0