

Susanne M Straub

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,786
citations

279798

23
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

1717
citing authors

#	ARTICLE	IF	CITATIONS
1	An origin of the along-arc compositional variation in the Izu-Bonin arc system. <i>Geoscience Frontiers</i> , 2020, 11, 1621-1634.	8.4	8
2	Across-Arc Diversity in Rhyolites From an Intra-oceanic Arc: Evidence From IODP Site U1437, Izu-Bonin Rear Arc, and Surrounding Area. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008353.	2.5	6
3	Subduction erosion and arc volcanism. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 574-589.	29.7	64
4	The role of dispersed ash in orbital-scale time-series studies of explosive arc volcanism: insights from IODP Hole U1437B, Northwest Pacific Ocean. <i>International Geology Review</i> , 2019, 61, 2164-2183.	2.1	2
5	One Million Years tephra record at IODP Sites U1436 and U1437: Insights into explosive volcanism from the Japan and Izu arcs. <i>Island Arc</i> , 2018, 27, e12244.	1.1	37
6	Geochemical and petrological insights into the tectonic origin of the Transmexican Volcanic Belt. <i>Earth-Science Reviews</i> , 2018, 183, 153-181.	9.1	43
7	Geochronological and geochemical evidence of continental crust reamination in the origin of intermediate arc magmas. <i>Lithos</i> , 2018, 322, 52-66.	1.4	24
8	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. <i>International Geology Review</i> , 2017, 59, 1677-1708.	2.1	23
9	Petrogenesis of antecryst-bearing arc basalts from the Trans-Mexican Volcanic Belt: Insights into along-arc variations in magma-mush ponding depths, H ₂ O contents, and surface heat flux. <i>American Mineralogist</i> , 2016, 101, 2405-2422.	1.9	38
10	Temporal Evolution of the Mariana Arc: Mantle Wedge and Subducted Slab Controls Revealed with a Tephra Perspective. <i>Journal of Petrology</i> , 2015, 56, 409-439.	2.8	73
11	Volatiles in subduction zone magmatism. <i>Geological Society Special Publication</i> , 2015, 410, 1-17.	1.3	54
12	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 166, 29-52.	3.9	65
13	An introduction to orogenic andesites and crustal growth. <i>Geological Society Special Publication</i> , 2014, 385, 1-13.	1.3	38
14	A genetic link between silicic slab components and calc-alkaline arc volcanism in central Mexico. <i>Geological Society Special Publication</i> , 2014, 385, 31-64.	1.3	32
15	Eolian dust input to the Subarctic North Pacific. <i>Earth and Planetary Science Letters</i> , 2014, 387, 252-263.	4.4	70
16	The Processes of Melt Differentiation in Arc Volcanic Rocks: Insights from OIB-type Arc Magmas in the Central Mexican Volcanic Belt. <i>Journal of Petrology</i> , 2013, 54, 665-701.	2.8	51
17	Volcanic arcs as archives of plate tectonic change. <i>Gondwana Research</i> , 2012, 21, 495-516.	6.0	70
18	Formation of hybrid arc andesites beneath thick continental crust. <i>Earth and Planetary Science Letters</i> , 2011, 303, 337-347.	4.4	184

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19	Slab and Mantle Controls on the Sr ⁸⁷ /Nd ¹⁴³ , Pb ²⁰⁶ /Hf Isotope Evolution of the Post 42 Ma Izu-Bonin Volcanic Arc. <i>Journal of Petrology</i> , 2010, 51, 993-1026.	2.8	65
20	Chlorine stable isotope variations in Izu Bonin tephra: Implications for serpentinite subduction. <i>Chemical Geology</i> , 2010, 272, 62-74.	3.3	51
21	Mid-ocean-ridge basalt of Indian type in the northwest Pacific Ocean basin. <i>Nature Geoscience</i> , 2009, 2, 286-289.	12.9	59
22	Evidence from high-Ni olivines for a hybridized peridotite/pyroxenite source for orogenic andesites from the central Mexican Volcanic Belt. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	157
23	Uniform processes of melt differentiation in the central Izu Bonin volcanic arc (NW Pacific). <i>Geological Society Special Publication</i> , 2008, 304, 261-283.	1.3	8
24	The evolution of the Izu Bonin - Mariana volcanic arcs (NW Pacific) in terms of major element chemistry. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	73
25	Fast rates of subduction erosion along the Costa Rica Pacific margin: Implications for nonsteady rates of crustal recycling at subduction zones. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	115
26	The systematics of chlorine, fluorine, and water in Izu arc front volcanic rocks: Implications for volatile recycling in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4179-4203.	3.9	224
27	The systematics of boron isotopes in Izu arc front volcanic rocks. <i>Earth and Planetary Science Letters</i> , 2002, 198, 25-39.	4.4	90
28	The significance of phenocryst diversity in tephra from recent eruptions at Popocatepetl volcano (central Mexico). <i>Contributions To Mineralogy and Petrology</i> , 2001, 140, 487-510.	3.1	62