

Suzanne Kay

List of Publications by Year in descending order

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53
papers

6,046
citations

94381

37
h-index

175177

52
g-index

53
all docs

53
docs citations

53
times ranked

3492
citing authors

#	ARTICLE	IF	CITATIONS
1	Delamination and delamination magmatism. <i>Tectonophysics</i> , 1993, 219, 177-189.	0.9	1,292
2	Paleozoic terranes of the central Argentine-Chilean Andes. <i>Tectonics</i> , 1986, 5, 855-880.	1.3	443
3	Episodic arc migration, crustal thickening, subduction erosion, and magmatism in the south-central Andes. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 67.	1.6	406
4	Creation and destruction of lower continental crust. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1991, 80, 259-278.	1.3	353
5	Magmatism as a probe to the Neogene shallowing of the Nazca plate beneath the modern Chilean flat-slab. <i>Journal of South American Earth Sciences</i> , 2002, 15, 39-57.	0.6	339
6	Southern Patagonian plateau basalts and deformation: Backarc testimony of ridge collisions. <i>Tectonophysics</i> , 1992, 205, 261-282.	0.9	261
7	Evidence for Cenozoic extensional basin development and tectonic inversion south of the flat-slab segment, southern Central Andes, Chile (33°-36°S.L.). <i>Journal of South American Earth Sciences</i> , 2002, 15, 117-139.	0.6	245
8	Mantle Processes and Sources of Neogene Slab Window Magmas from Southern Patagonia, Argentina. <i>Journal of Petrology</i> , 2001, 42, 1067-1094.	1.1	181
9	Regional chemical diversity, crustal and mantle sources and evolution of central Andean Puna plateau ignimbrites. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 81-111.	0.8	152
10	Revised age of Aleutian Island Arc formation implies high rate of magma production. <i>Geology</i> , 2006, 34, 661.	2.0	145
11	Plio-Pleistocene basalts from the Meseta del Lago Buenos Aires, Argentina: evidence for asthenosphere-lithosphere interactions during slab window magmatism. <i>Chemical Geology</i> , 2003, 193, 215-235.	1.4	131
12	The nature of the lower continental crust: Inferences from geophysics, surface geology, and crustal xenoliths. <i>Reviews of Geophysics</i> , 1981, 19, 271-297.	9.0	128
13	Crustal recycling and the Aleutian arc. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1351-1359.	1.6	112
14	Aleutian tholeiitic and calc-alkaline magma series I: The mafic phenocrysts. <i>Contributions To Mineralogy and Petrology</i> , 1985, 90, 276-290.	1.2	109
15	Tertiary andean magmatism in Chile and Argentina between 28°S and 33°S: Correlation of magmatic chemistry with a changing Benioff zone. <i>Journal of South American Earth Sciences</i> , 1988, 1, 21-38.	0.6	108
16	The influence of amphibole fractionation on the evolution of calc-alkaline andesite and dacite tephra from the central Aleutians, Alaska. <i>Contributions To Mineralogy and Petrology</i> , 1992, 112, 101-118.	1.2	98
17	The Somuncura Large Igneous Province in Patagonia: Interaction of a Transient Mantle Thermal Anomaly with a Subducting Slab. <i>Journal of Petrology</i> , 2007, 48, 43-77.	1.1	94
18	Pocho volcanic rocks and the melting of depleted continental lithosphere above a shallowly dipping subduction zone in the central Andes. <i>Contributions To Mineralogy and Petrology</i> , 1994, 117, 25-44.	1.2	90

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19	Crustal thickness in the central Andes from teleseismically recorded depth phase precursors. <i>Geophysical Journal International</i> , 2008, 175, 1013-1022.	1.0	88
20	Implications of Quaternary volcanism at Cerro Tuzgle for crustal and mantle evolution of the Puna Plateau, Central Andes, Argentina. <i>Contributions To Mineralogy and Petrology</i> , 1993, 113, 40-58.	1.2	78
21	Teleseismic tomography of the southern Puna plateau in Argentina and adjacent regions. <i>Tectonophysics</i> , 2013, 586, 65-83.	0.9	76
22	Cretaceous rift related magmatism in central-western South America. <i>Journal of South American Earth Sciences</i> , 1999, 12, 109-121.	0.6	74
23	Andean Adakite-like high-Mg Andesites on the Northern Margin of the Chilean Pampean Flat-slab (27°S) Associated with Frontal Arc Migration and Fore-arc Subduction Erosion. <i>Journal of Petrology</i> , 2013, 54, 2193-2234.	1.1	71
24	Extreme high field strength element (HFSE) depletion and near-chondritic Nb/Ta ratios in Central Andean adakite-like lavas (~28°S, ~68°W). <i>Earth and Planetary Science Letters</i> , 2009, 279, 97-109.	1.8	67
25	Geochemical, isotopic and single crystal ⁴⁰ Ar/ ³⁹ Ar age constraints on the evolution of the Cerro Galán ignimbrites. <i>Bulletin of Volcanology</i> , 2011, 73, 1487-1511.	1.1	63
26	Magma mixing in the Aleutian arc: evidence from cognate inclusions and composite xenoliths. <i>Journal of Volcanology and Geothermal Research</i> , 1983, 18, 279-295.	0.8	56
27	Aleutian terranes from Nd isotopes. <i>Nature</i> , 1986, 322, 605-609.	13.7	56
28	Tracking along-arc sediment inputs to the Aleutian arc using thallium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 181, 217-237.	1.6	56
29	⁴⁰ Ar/ ³⁹ Ar geochronology of mafic volcanism in the back-arc region of the southern Puna plateau, Argentina. <i>Journal of South American Earth Sciences</i> , 2008, 26, 1-15.	0.6	54
30	Geology of the Vilama caldera: A new interpretation of a large-scale explosive event in the Central Andean plateau during the Upper Miocene. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 164, 27-53.	0.8	52
31	Tholeiitic Aleutian arc plutonism: The Finger Bay pluton, Adak, Alaska. <i>Contributions To Mineralogy and Petrology</i> , 1983, 82, 99-116.	1.2	50
32	Multi-stage Evolution of Late Neogene Mantle-derived Magmas from the Central Andes Back-arc in the Southern Puna Plateau of Argentina. <i>Journal of Petrology</i> , 2013, 54, 1963-1995.	1.1	46
33	Central Andean mantle and crustal seismicity beneath the Southern Puna plateau and the northern margin of the Chilean Pampean flat slab. <i>Tectonics</i> , 2014, 33, 1636-1658.	1.3	42
34	Structure of the crust and the lithosphere beneath the southern Puna plateau from teleseismic receiver functions. <i>Earth and Planetary Science Letters</i> , 2014, 385, 1-11.	1.8	40
35	Paleogene and Neogene magmatism in the Valle del Cura region: New perspective on the evolution of the Pampean flat slab, San Juan province, Argentina. <i>Journal of South American Earth Sciences</i> , 2007, 24, 117-137.	0.6	38
36	Geochemistry of mafic rocks from the Coto Block, Zambales ophiolite, Philippines: trace element evidence for two stages of crustal growth. <i>Tectonophysics</i> , 1989, 168, 43-63.	0.9	37

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37	Origin of Tertiary to Recent EM- and subduction-like chemical and isotopic signatures in Auca Mahuida region (37°S–38°S) and other Patagonian plateau lavas. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 165-192.	1.2	37
38	Magma sources and tectonic setting of Central Andean andesites (25.5°–28°S) related to crustal thickening, forearc subduction erosion and delamination. <i>Geological Society Special Publication</i> , 2014, 385, 303-334.	0.8	37
39	Petrology and geochemistry of the lower continental crust: an overview. <i>Geological Society Special Publication</i> , 1986, 24, 147-159.	0.8	34
40	Velocity structure beneath the southern Puna plateau: Evidence for delamination. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4292-4305.	1.0	25
41	Origin and age of ultramafic rocks and gabbros in the southern Puna of Argentina: an alleged Ordovician suture revisited. <i>International Journal of Earth Sciences</i> , 2014, 103, 1023-1036.	0.9	24
42	A Laurentian? Grenville-age oceanic arc/back-arc terrane in the Sierra de Pie de Palo, Western Sierras Pampeanas, Argentina. <i>Geological Society Special Publication</i> , 1998, 142, 159-179.	0.8	23
43	Early Miocene andesite conglomerates in the Sierra de Famatina, broken foreland region of western Argentina, and documentation of magmatic broadening in the south Central Andes. <i>Journal of South American Earth Sciences</i> , 2004, 17, 89-101.	0.6	23
44	Delamination of southern Puna lithosphere revealed by body wave attenuation tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 549-566.	1.4	23
45	The geochemistry of a dying continental arc: the Incapillo Caldera and Dome Complex of the southernmost Central Andean Volcanic Zone (~28°S). <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 101-128.	1.2	22
46	The E-MORB like geochemical features of the Early Paleozoic mafic-ultramafic belt of the Cuyania terrane, western Argentina. <i>Journal of South American Earth Sciences</i> , 2013, 48, 73-84.	0.6	16
47	The Incapillo Caldera and Dome Complex (~28° S, Central Andes): A stranded magma chamber over a dying arc. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 389-404.	0.8	14
48	Shear wave splitting and shear wave splitting tomography of the southern Puna plateau. <i>Geophysical Journal International</i> , 2014, 199, 688-699.	1.0	10
49	Lithospheric Delamination Beneath the Southern Puna Plateau Resolved by Local Earthquake Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019040.	1.4	9
50	Tectonostratigraphic history of the Neogene Maimará basin, Northwest Argentina. <i>Journal of South American Earth Sciences</i> , 2016, 72, 137-158.	0.6	7
51	Eocene to Paleocene magmatic evolution of the Dularof Islands, Aleutian Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1086-1108.	1.0	6
52	Unraveling short-lived rejuvenated volcanism and a rapid transition from shield stage at O'Higgins Guyot, Juan Fernández Ridge, Pacific SE. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 141, 33-42.	0.6	5
53	Mapping lithospheric structure using depth phase precursors recorded by dense seismic arrays using exploration seismic data processing software Vista 10.0. , 2011, , .		0