Jacqueline Vander Auwera

List of Publications by Year
in descending order

38 papers	1,378 citations	361413 20 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	1407 citing authors

#	Article	IF	Citations
1	Crystallization Sequence and Magma Chamber Processes in the Ferrobasaltic Sept Iles Layered Intrusion, Canada. Journal of Petrology, 2010, 51, 1203-1236.	2.8	145
2	Phase Equilibria of the Lyngdal Granodiorite (Norway): Implications for the Origin of Metaluminous Ferroan Granitoids. Journal of Petrology, 2006, 47, 2405-2431.	2.8	106
3	Derivation of the 1.0â€“0.9 Ga ferro-potassic A-type granitoids of southern Norway by extreme differentiation from basic magmas. Precambrian Research, 2003, 124, 107-148.	2.7	104
4	Differentiation of Tholeiitic Basalt to A-Type Granite in the Sept Iles Layered Intrusion, Canada. Journal of Petrology, 2011, 52, 487-539.	2.8	101
5	Experimental study of a jotunite (hypersthene monzodiorite): constraints on the parent magma composition and crystallization conditions (P, T, f O 2) of the Bjerkreim-Sokndal layered intrusion (Norway). Contributions To Mineralogy and Petrology, 1994, 118, 60-78.	3.1	93
6	Ilmenite composition in the Tellnes Feâ€“Ti deposit, SW Norway: fractional crystallization, postcumulus evolution and ilmeniteâ€“zircon relation. Contributions To Mineralogy and Petrology, 2007, 154, 119-134.	3.1	70
7	Petrology and geochemistry of the Lyngdal granodiorite (Southern Norway) and the role of fractional crystallisation in the genesis of Proterozoic ferro-potassic A-type granites. Precambrian Research, 2003, 124, 149-184.	2.7	66
8	Anorthosite formation by plagioclase flotation in ferrobasalt and implications for the lunar crust. Geochimica Et Cosmochimica Acta, 2011, 75, 4998-5018.	3.9	65
9	Shoshonitic liquid line of descent from diorite to granite: the Late Precambrian post-collisional Tismana pluton (South Carpathians, Romania). Lithos, 1998, 45, 281-303.	1.4	59
10	Prediction of plagioclase-melt equilibria in anhydrous silicate melts at 1-atm. Contributions To Mineralogy and Petrology, 2012, 163, 133-150.	3.1	59
11	The Sveconorwegian orogeny. Gondwana Research, 2021, 90, 273-313.	6.0	49
12	Origin of the giant Allard Lake ilmenite ore deposit (Canada) by fractional crystallization, multiple magma pulses and mixing. Lithos, 2010, 117, 119-134.	1.4	45
13	Geochemistry of cumulates from the Bjerkreimâ€“Sokndal layered intrusion (S. Norway). Lithos, 2005, 83, 255-276.	1.4	42
14	Melting of the primitive martian mantle at 0.5â€“2.2 GPa and the origin of basalts and alkaline rocks on Mars. Earth and Planetary Science Letters, 2015, 427, 83-94.	4.4	41
15	The effect of pressure on DSr (plag/melt) and DCr (opx/melt): implications for anorthosite petrogenesis. Earth and Planetary Science Letters, 2000, 178, 303-314.	4.4	34
16	The north-eastern Polish anorthosite massifs: petrological, geochemical and isotopic evidence for a crustal derivation. Terra Nova, 2002, 14, 451-460.	2.1	34
17	Building up the first continents: Mesoarchean to Paleoproterozoic crustal evolution in West Troms, Norway, inferred from granitoid petrology, geochemistry and zircon U-Pb/Lu-Hf isotopes. Precambrian Research, 2019, 321, 303-327.	2.7	25
18	Trace element and isotope (Sr, Nd) geochemistry of porphyry- and skarn-mineralising Late Cretaceous intrusions from Banat, western South Carpathians, Romania. Mineralium Deposita, 2002, 37, 568-586.	4.1	23

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19	A new Cambrian black pigment used during the late Middle Palaeolithic discovered at Scladina Cave (Andenne, Belgium). Journal of Archaeological Science, 2015, 55, 253-265.	2.4	22
20	Marginal mafic intrusions as indicators of downslope draining of dense residual melts in anorthositic diapirs?. Lithos, 2006, 89, 329-352.	1.4	20
21	The fast evolution of a crustal hot zone at the end of a transpressional regime: The Saint-Tropez peninsula granites and related dykes (Maures Massif, SE France). Lithos, 2013, 162-163, 195-220.	1.4	20
22	Geochemical constraints of the petrogenesis of the Oâ€™okiep Koperberg Suite and granitic plutons in Namaqualand, South Africa: A crustal source in Namaquan (Grenville) times. Precambrian Research, 2007, 153, 116-142.	2.7	17
23	The Farsund intrusion (SW Norway): A marker of late-Sveconorwegian (Grenvillian) tectonism emplaced along a newly defined major shear zone. Journal of Structural Geology, 2010, 32, 1500-1518.	2.3	17
24	Source-derived heterogeneities in the composite (charnockite-granite) ferroan Farsund intrusion (SW) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	16
25	Genesis of intermediate igneous rocks at the end of the Sveconorwegian (Grenvillian) orogeny (S) Tj ETQq1 1 0.784314 rgBT /Overlock Petrology, 2008, 156, 721-743.	3.1	13
26	Geochemical and Mineralogical Characterisation of Historic Znâ€“Pb Mine Waste, PlombiÃ¨res, East Belgium. Minerals (Basel, Switzerland), 2021, 11, 28.	2.0	12
27	Petrology of the April 2015 Eruption of Calbuco Volcano, Southern Chile. Journal of Petrology, 2020, 61, .	2.8	11
28	Comment on Bybee et al. (2014): Pyroxene megacrysts in Proterozoic anorthosites: Implications for tectonic setting, magma source and magmatic processes at the Moho. Earth and Planetary Science Letters, 2014, 401, 378-380.	4.4	10
29	Soil erosion in relation to land-use changes in the sediments of Amik Lake near Antioch antique city during the last 4 kyr. Holocene, 2018, 28, 104-118.	1.7	9
30	Mantle Melting and Magmatic Processes Under La Picada Stratovolcano (CSVZ, Chile). Journal of Petrology, 2019, 60, 907-944.	2.8	9
31	Origin and evolution of Proterozoic Anorogenic Magmatism. Precambrian Research, 2003, 124, 105-106.	2.7	8
32	The Sept Iles Intrusive Suite, Quebec, Canada. Springer Geology, 2015, , 465-515.	0.3	8
33	Magmatic processes under Quizapu volcano, Chile, identified from geochemical and textural studies. Contributions To Mineralogy and Petrology, 2015, 170, 1.	3.1	8
34	Volcanic influence of Mt. Fuji on the watershed of Lake Motosu and its impact on the lacustrine sedimentary record. Sedimentary Geology, 2018, 363, 200-220.	2.1	7
35	The Late Cretaceous igneous rocks of Romania (Apuseni Mountains and Banat): the possible role of amphibole versus plagioclase deep fractionation in two different crustal terranes. International Journal of Earth Sciences, 2016, 105, 819-847.	1.8	3
36	Late Holocene Changes in Erosion Patterns in a Lacustrine Environment: Landscape Stabilization by Volcanic Activity Versus Human Activity. Geochemistry, Geophysics, Geosystems, 2019, 20, 1720-1733.	2.5	3

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37	Petrology of the magmatic system beneath Osorno volcano (Central Southern Volcanic Zone, Chile). Lithos, 2022, 426-427, 106777.	1.4	3
38	The petrology of a hazardous volcano: Calbuco (Central Southern Volcanic Zone, Chile). Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	1