

# Nicole A Stroncik

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9406261/publications.pdf>

Version: 2024-02-01

20  
papers

1,073  
citations

567144

15  
h-index

794469

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palagonite – a review. <i>International Journal of Earth Sciences</i> , 2002, 91, 680-697.	0.9	217
2	The magmatic plumbing system beneath El Hierro (Canary Islands): constraints from phenocrysts and naturally quenched basaltic glasses in submarine rocks. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 593-607.	1.2	106
3	Evolution of palagonite: Crystallization, chemical changes, and element budget. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	1.0	101
4	Chlorine in oceanic intraplate basalts: Constraints on mantle sources and recycling processes. <i>Geology</i> , 2004, 32, 945.	2.0	80
5	Heat flow in the Lesser Antilles island arc and adjacent back arc Grenada basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	80
6	Pedogenic and microbial interrelations to regional climate and local topography: New insights from a climate gradient (arid to humid) along the Coastal Cordillera of Chile. <i>Catena</i> , 2018, 170, 335-355.	2.2	77
7	Neon identifies two billion year old fluid component in Kaapvaal Craton. <i>Chemical Geology</i> , 2011, 283, 287-296.	1.4	68
8	Chemistry and microbiology of the Critical Zone along a steep climate and vegetation gradient in the Chilean Coastal Cordillera. <i>Catena</i> , 2018, 170, 183-203.	2.2	64
9	Formation of island arc dacite magmas by extreme crystal fractionation: An example from Brothers Seamount, Kermadec island arc (SW Pacific). <i>Journal of Volcanology and Geothermal Research</i> , 2006, 152, 316-330.	0.8	63
10	Nb-depleted andesites from the Pacific-Antarctic Rise as analogs for early continental crust. <i>Geology</i> , 2005, 33, 921.	2.0	41
11	Insights into mantle composition and mantle melting beneath mid-ocean ridges from postspreading volcanism on the fossil Galapagos Rise. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	32
12	Geogas transport in fractured hard rock – Correlations with mining seismicity at 3.54km depth, TauTona gold mine, South Africa. <i>Applied Geochemistry</i> , 2011, 26, 2134-2146.	1.4	32
13	Towards an understanding of climate proxy formation in the Chew Bahir basin, southern Ethiopian Rift. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 501, 111-123.	1.0	30
14	Atmospheric contamination of the primary Ne and Ar signal in mid-ocean ridge basalts and its implications for ocean crust formation. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 306-321.	1.6	18
15	Plume-ridge interaction revisited: Evidence for melt mixing from He, Ne and Ar isotope and abundance systematics. <i>Earth and Planetary Science Letters</i> , 2008, 268, 424-432.	1.8	17
16	Permeability and pressure measurements in Lesser Antilles submarine slides: Evidence for pressure-driven slow-slip failure. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7986-8011.	1.4	16
17	Neon and helium isotopes as tracers of mantle reservoirs and mantle dynamics. <i>Earth and Planetary Science Letters</i> , 2007, 258, 334-344.	1.8	14
18	Geomechanical Characterization of Submarine Volcano-Flank Sediments, Martinique, Lesser Antilles Arc. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 73-81.	1.1	11

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19	He, Ne and Ar isotope signatures of mid-ocean ridge basalts and their implications for upper mantle structure: A case study from the Mid-Atlantic Ridge at 42°12'S. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 94-105.	1.6	6
20	New techniques for high pressure falling sphere viscosimetry in DIA-type large volume presses. <i>High Pressure Research</i> , 2014, 34, 345-354.	0.4	0