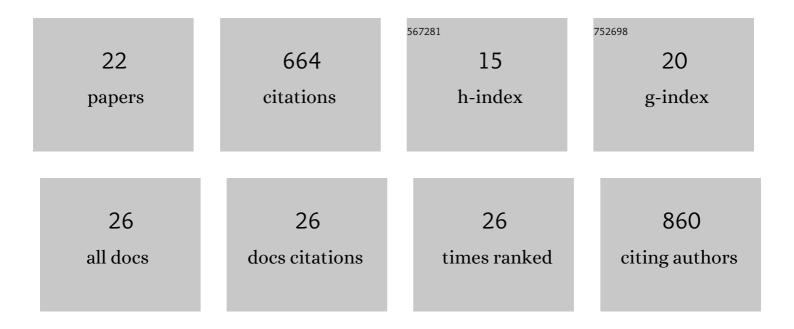
## Michael J Stock

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. Nature Geoscience, 2016, 9, 249-254.	12.9	110
2	New constraints on electron-beam induced halogen migration in apatite. American Mineralogist, 2015, 100, 281-293.	1.9	79
3	Composition of hydrothermal fluids and mineralogy of associated chimney material on the East Scotia Ridge back-arc spreading centre. Geochimica Et Cosmochimica Acta, 2014, 139, 47-71.	3.9	61
4	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. Journal of Petrology, 2018, 59, 2463-2492.	2.8	55
5	Constraining magma storage conditions at a restless volcano in the Main Ethiopian Rift using phase equilibria models. Journal of Volcanology and Geothermal Research, 2017, 337, 44-61.	2.1	45
6	Insights into the behaviour of S, F, and Cl at Santiaguito Volcano, Guatemala, from apatite and glass. Lithos, 2015, 232, 375-394.	1.4	37
7	Magma chambers versus mush zones: constraining the architecture of sub-volcanic plumbing systems from microstructural analysis of crystalline enclaves. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180006.	3.4	36
8	Apatite Chlorine Concentration Measurements by <scp>LA</scp> â€ <scp>ICP</scp> â€ <scp>MS</scp> . Geostandards and Geoanalytical Research, 2014, 38, 23-35.	3.1	34
9	Integrated Petrological and Geophysical Constraints on Magma System Architecture in the Western Galġpagos Archipelago: Insights From Wolf Volcano. Geochemistry, Geophysics, Geosystems, 2018, 19, 4722-4743.	2.5	31
10	Caldera resurgence during the 2018 eruption of Sierra Negra volcano, Galápagos Islands. Nature Communications, 2021, 12, 1397.	12.8	30
11	Tracking plumbing system dynamics at the Campi Flegrei caldera, Italy: High-resolution trace element mapping of the Astroni crystal cargo. Lithos, 2018, 318-319, 464-477.	1.4	23
12	Cryptic evolved melts beneath monotonous basaltic shield volcanoes in the Galápagos Archipelago. Nature Communications, 2020, 11, 3767.	12.8	20
13	Upper Mantle Mush Zones beneath Low Melt Flux Ocean Island Volcanoes: Insights from Isla Floreana, Galápagos. Journal of Petrology, 2021, 61, .	2.8	19
14	The Creation and Evolution of Crystal Mush in the Upper Zone of the Rustenburg Layered Suite, Bushveld Complex, South Africa. Journal of Petrology, 2019, 60, 1523-1542.	2.8	18
15	Chronology and phenomenology of the 1982 and 2015 Wolf volcano eruptions, GalÃ;pagos Archipelago. Journal of Volcanology and Geothermal Research, 2019, 374, 26-38.	2.1	18
16	Rapid pre-eruptive mush reorganisation and atmospheric volatile emissions from the 12.9 ka Laacher See eruption, determined using apatite. Earth and Planetary Science Letters, 2021, 576, 117198.	4.4	14
17	Triggering of major eruptions recorded by actively forming cumulates. Scientific Reports, 2012, 2, 731.	3.3	11
18	Some fluid mechanical constraints on crystallization and recharge within sills. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180007.	3.4	8

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#	Article	IF	CITATIONS
19	The effect of cooling rate on immiscible silicate liquid microstructure: an example from the Palaeogene dykes of Northeast England. Mineralogical Magazine, 2019, 83, 809-820.	1.4	8
20	Constraints on the behaviour and content of volatiles in Galápagos magmas from melt inclusions and nominally anhydrous minerals. Geochimica Et Cosmochimica Acta, 2021, , .	3.9	3
21	Reconstruction of residual melts from the zeolitized explosive products of alkaline-mafic volcanoes. American Mineralogist, 2019, , .	1.9	0
22	Corrigendum to: Upper Mantle Mush Zones beneath Low Melt Flux Ocean Island Volcanoes: Insights from Isla Floreana, Galápagos. Journal of Petrology, 2021, 63, .	2.8	0