Marjorie S Schulz

List of Publications by Year
in descending order

36 papers	3,377 citations	257101 24 h-index	377514 34 g-index
41 all docs	41 docs citations	41 times ranked	3138 citing authors

#	Article	IF	Citations
1	Demonstration of significant abiotic iron isotope fractionation in nature. Geology, 2001, 29, 699.	2.0	340
2	Chemical Weathering in a Tropical Watershed, Luquillo Mountains, Puerto Rico: I. Long-Term Versus Short-Term Weathering Fluxes. Geochimica Et Cosmochimica Acta, 1998, 62, 209-226.	1.6	339
3	Chemical weathering rates of a soil chronosequence on granitic alluvium: I. Quantification of mineralogical and surface area changes and calculation of primary silicate reaction rates. Geochimica Et Cosmochimica Acta, 1996, 60, 2533-2550.	1.6	315
4	Differential rates of feldspar weathering in granitic regoliths. Geochimica Et Cosmochimica Acta, 2001, 65, 847-869.	1.6	313
5	The effect of temperature on experimental and natural chemical weathering rates of granitoid rocks. Geochimica Et Cosmochimica Acta, 1999, 63, 3277-3291.	1.6	266
6	The role of disseminated calcite in the chemical weathering of granitoid rocks. Geochimica Et Cosmochimica Acta, 1999, 63, 1939-1953.	1.6	260
7	Chemical weathering of a soil chronosequence on granitoid alluvium: II. Mineralogic and isotopic constraints on the behavior of strontium. Geochimica Et Cosmochimica Acta, 1997, 61, 291-306.	1.6	148
8	The ubiquitous nature of accessory calcite in granitoid rocks: Implications for weathering, solute evolution, and petrogenesis. Geochimica Et Cosmochimica Acta, 2005, 69, 1455-1471.	1.6	131
9	Chemical weathering of a marine terrace chronosequence, Santa Cruz, California I: Interpreting rates and controls based on soil concentrationâ€“depth profiles. Geochimica Et Cosmochimica Acta, 2008, 72, 36-68.	1.6	125
10	Long-term controls on soil organic carbon with depth and time: A case study from the Cowlitz River Chronosequence, WA USA. Geoderma, 2015, 247-248, 73-87.	2.3	105
11	Chemical weathering of a marine terrace chronosequence, Santa Cruz, California. Part II: Solute profiles, gradients and the comparisons of contemporary and long-term weathering rates. Geochimica Et Cosmochimica Acta, 2009, 73, 2769-2803.	1.6	102
12	Chemical weathering rates of a soil chronosequence on granitic alluvium: III. Hydrochemical evolution and contemporary solute fluxes and rates. Geochimica Et Cosmochimica Acta, 2005, 69, 1975-1996.	1.6	94
13	Chemical weathering in a tropical watershed, Luquillo Mountains, Puerto Rico III: quartz dissolution rates. Geochimica Et Cosmochimica Acta, 1999, 63, 337-350.	1.6	93
14	Variations in the Fineâ€Scale Composition of a Central Pacific Ferromanganese Crust: Paleoceanographic Implications. Paleoceanography, 1992, 7, 63-77.	3.0	87
15	Diffuse flow hydrothermal manganese mineralization along the active Mariana and southern Izuâ€Bonin arc system, western Pacific. Journal of Geophysical Research, 2008, 113, .	3.3	83
16	Probing the deep critical zone beneath the Luquillo Experimental Forest, Puerto Rico. Earth Surface Processes and Landforms, 2013, 38, 1170-1186.	1.2	71
17	Biogenic and pedogenic controls on Si distributions and cycling in grasslands of the Santa Cruz soil chronosequence, California. Geochimica Et Cosmochimica Acta, 2012, 94, 72-94.	1.6	67
18	Lithological influences on contemporary and long-term regolith weathering at the Luquillo Critical Zone Observatory. Geochimica Et Cosmochimica Acta, 2017, 196, 224-251.	1.6	62

#	Article	IF	Citations
19	From pools to flow: The PROMISE framework for new insights on soil carbon cycling in a changing world. Global Change Biology, 2020, 26, 6631-6643.	4.2	57
20	Mineralogy dictates the initial mechanism of microbial necromass association. Geochimica Et Cosmochimica Acta, 2019, 260, 161-176.	1.6	51
21	Shifting microbial community structure across a marine terrace grassland chronosequence, Santa Cruz, California. Soil Biology and Biochemistry, 2010, 42, 21-31.	4.2	38
22	Root-driven weathering impacts on mineral-organic associations in deep soils over pedogenic time scales. Geochimica Et Cosmochimica Acta, 2019, 263, 68-84.	1.6	29
23	Low sulfur content in submarine lavas: An unreliable indicator of subaerial eruption. Geology, 1991, 19, 750.	2.0	27
24	Biologic Origin of Iron Nodules in a Marine Terrace Chronosequence, Santa Cruz, California. Soil Science Society of America Journal, 2010, 74, 550-564.	1.2	26
25	Structured Heterogeneity in a Marine Terrace Chronosequence: Upland Mottling. Vadose Zone Journal, 2016, 15, 1-14.	1.3	25
26	The impact of biotic/abiotic interfaces in mineral nutrient cycling: A study of soils of the Santa Cruz chronosequence, California. Geochimica Et Cosmochimica Acta, 2012, 77, 62-85.	1.6	24
27	Long-term flow-through column experiments and their relevance to natural granitoid weathering rates. Geochimica Et Cosmochimica Acta, 2017, 202, 190-214.	1.6	22
28	Percolation and transport in a sandy soil under a natural hydraulic gradient. Water Resources Research, 2005, 41, .	1.7	17
29	The trajectory of soil development and its relationship to soil carbon dynamics. Geoderma, 2021, 403, 115378.	2.3	11
30	Vadose zone controls on weathering intensity and depth: Observations from grussic saprolites. Applied Geochemistry, 2011, 26, S36-S39.	1.4	9
31	Seasonal dynamics of CO2 profiles across a soil chronosequence, Santa Cruz, California. Applied Geochemistry, 2011, 26, S132-S134.	1.4	9
32	Controls on soil pore water solutes: An approach for distinguishing between biogenic and lithogenic processes. Journal of Geochemical Exploration, 2006, 88, 363-366.	1.5	8
33	Solute profiles in soils, weathering gradients and exchange equilibrium/disequilibrium. Mineralogical Magazine, 2008, 72, 149-153.	0.6	7
34	Response to â€˜Stochastic and deterministic interpretation of pool modelsâ€™. Global Change Biology, 2021, 27, e11-e12.	4.2	1
35	Response to â€œConnectivity and pore accessibility in models of soil carbon cyclingâ€• Global Change Biology, 2021, 27, e15-e16.	4.2	0
36	Mechanisms for retention of low molecular weight organic carbon varies with soil depth at a coastal prairie ecosystem. Soil Biology and Biochemistry, 2022, , 108601.	4.2	0