

# Marjorie S Schulz

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Mechanisms for retention of low molecular weight organic carbon varies with soil depth at a coastal prairie ecosystem. <i>Soil Biology and Biochemistry</i> , 2022, , 108601.                 | 4.2 | 0         |
| 2  | Response to "Stochastic and deterministic interpretation of pool models". <i>Global Change Biology</i> , 2021, 27, e11-e12.   | 4.2 | 1         |
| 3  | Response to "Connectivity and pore accessibility in models of soil carbon cycling". <i>Global Change Biology</i> , 2021, 27, e15-e16.   | 4.2 | 0         |
| 4  | The trajectory of soil development and its relationship to soil carbon dynamics. <i>Geoderma</i> , 2021, 403, 115378.   | 2.3 | 11        |
| 5  | From pools to flow: The PROMISE framework for new insights on soil carbon cycling in a changing world. <i>Global Change Biology</i> , 2020, 26, 6631-6643.                                    | 4.2 | 57        |
| 6  | Root-driven weathering impacts on mineral-organic associations in deep soils over pedogenic time scales. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 68-84.                           | 1.6 | 29        |
| 7  | Mineralogy dictates the initial mechanism of microbial necromass association. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 161-176.  | 1.6 | 51        |
| 8  | Long-term flow-through column experiments and their relevance to natural granitoid weathering rates. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 202, 190-214.                             | 1.6 | 22        |
| 9  | Lithological influences on contemporary and long-term regolith weathering at the Luquillo Critical Zone Observatory. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 224-251.             | 1.6 | 62        |
| 10 | Structured Heterogeneity in a Marine Terrace Chronosequence: Upland Mottling. <i>Vadose Zone Journal</i> , 2016, 15, 1-14.  | 1.3 | 25        |
| 11 | Long-term controls on soil organic carbon with depth and time: A case study from the Cowlitz River Chronosequence, WA USA. <i>Geoderma</i> , 2015, 247-248, 73-87.                            | 2.3 | 105       |
| 12 | Probing the deep critical zone beneath the Luquillo Experimental Forest, Puerto Rico. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1170-1186.                                     | 1.2 | 71        |
| 13 | The impact of biotic/abiotic interfaces in mineral nutrient cycling: A study of soils of the Santa Cruz chronosequence, California. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 77, 62-85. | 1.6 | 24        |
| 14 | Biogenic and pedogenic controls on Si distributions and cycling in grasslands of the Santa Cruz soil chronosequence, California. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 72-94.    | 1.6 | 67        |
| 15 | Vadose zone controls on weathering intensity and depth: Observations from grassic saprolites. <i>Applied Geochemistry</i> , 2011, 26, S36-S39.  | 1.4 | 9         |
| 16 | Seasonal dynamics of CO <sub>2</sub> profiles across a soil chronosequence, Santa Cruz, California. <i>Applied Geochemistry</i> , 2011, 26, S132-S134.  | 1.4 | 9         |
| 17 | Shifting microbial community structure across a marine terrace grassland chronosequence, Santa Cruz, California. <i>Soil Biology and Biochemistry</i> , 2010, 42, 21-31.                      | 4.2 | 38        |
| 18 | Biologic Origin of Iron Nodules in a Marine Terrace Chronosequence, Santa Cruz, California. <i>Soil Science Society of America Journal</i> , 2010, 74, 550-564.                               | 1.2 | 26        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2769-2803.  | 1.6 | 102       |
| 20 | Diffuse flow hydrothermal manganese mineralization along the active Mariana and southern Izu-Bonin arc system, western Pacific. <i>Journal of Geophysical Research</i> , 2008, 113, .  | 3.3 | 83        |
| 21 | Chemical weathering of a marine terrace chronosequence, Santa Cruz, California I: Interpreting rates and controls based on soil concentration-depth profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 36-68.                                | 1.6 | 125       |
| 22 | Solute profiles in soils, weathering gradients and exchange equilibrium/disequilibrium. <i>Mineralogical Magazine</i> , 2008, 72, 149-153.   | 0.6 | 7         |
| 23 | Controls on soil pore water solutes: An approach for distinguishing between biogenic and lithogenic processes. <i>Journal of Geochemical Exploration</i> , 2006, 88, 363-366.  | 1.5 | 8         |
| 24 | The ubiquitous nature of accessory calcite in granitoid rocks: Implications for weathering, solute evolution, and petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1455-1471.  | 1.6 | 131       |
| 25 | Chemical weathering rates of a soil chronosequence on granitic alluvium: III. Hydrochemical evolution and contemporary solute fluxes and rates. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1975-1996.  | 1.6 | 94        |
| 26 | Percolation and transport in a sandy soil under a natural hydraulic gradient. <i>Water Resources Research</i> , 2005, 41, .  | 1.7 | 17        |
| 27 | Differential rates of feldspar weathering in granitic regoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 847-869.   | 1.6 | 313       |
| 28 | Demonstration of significant abiotic iron isotope fractionation in nature. <i>Geology</i> , 2001, 29, 699.   | 2.0 | 340       |
| 29 | Chemical weathering in a tropical watershed, Luquillo Mountains, Puerto Rico III: quartz dissolution rates. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 337-350.  | 1.6 | 93        |
| 30 | The role of disseminated calcite in the chemical weathering of granitoid rocks. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1939-1953.  | 1.6 | 260       |
| 31 | The effect of temperature on experimental and natural chemical weathering rates of granitoid rocks. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3277-3291.  | 1.6 | 266       |
| 32 | Chemical Weathering in a Tropical Watershed, Luquillo Mountains, Puerto Rico: I. Long-Term Versus Short-Term Weathering Fluxes. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 209-226.  | 1.6 | 339       |
| 33 | Chemical weathering of a soil chronosequence on granitoid alluvium: II. Mineralogic and isotopic constraints on the behavior of strontium. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 291-306.   | 1.6 | 148       |
| 34 | 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. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 2533-2550. | 1.6 | 315       |
| 35 | Variations in the Fine-Scale Composition of a Central Pacific Ferromanganese Crust: Paleoceanographic Implications. <i>Paleoceanography</i> , 1992, 7, 63-77.  | 3.0 | 87        |
| 36 | Low sulfur content in submarine lavas: An unreliable indicator of subaerial eruption. <i>Geology</i> , 1991, 19, 750.  | 2.0 | 27        |