

# Jon Chorover

## List of Publications by Year in descending order

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Version: 2024-02-01

126  
papers

6,320  
citations

71102

41  
h-index

74163

75  
g-index

129  
all docs

129  
docs citations

129  
times ranked

7501  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Analysis of hydrophilic per- and polyfluorinated sulfonates including trifluoromethanesulfonate using solid phase extraction and mixed-mode liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1664, 462817. | 3.7  | 6         |
| 2  | Biosolids leachate variability, stabilization surrogates, and optical metric selection. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 657-670.  | 2.4  | 2         |
| 3  | Fate of bis-(4-tert-butyl phenyl)-iodonium under photolithography relevant irradiation and the environmental risk properties of the formed photoproducts. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25988-25994.               | 5.3  | 0         |
| 4  | Resiliency of Silica Export Signatures When Low Order Streams Are Subject to Storm Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .   | 3.0  | 6         |
| 5  | Constraints of Climate and Age on Soil Development in Hawai'i. , 2022, , 49-88.  |      | 3         |
| 6  | Enhanced removal of per- and polyfluoroalkyl substances by crosslinked polyaniline polymers. <i>Chemical Engineering Journal</i> , 2022, 446, 137246.  | 12.7 | 8         |
| 7  | Metal Lability and Mass Transfer Response to Direct-Planting Phytostabilization of Pyritic Mine Tailings. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 757.  | 2.0  | 2         |
| 8  | Tailored Polyanilines Are High-Affinity Adsorbents for Per- and Polyfluoroalkyl Substances. <i>ACS ES&amp;T Water</i> , 2022, 2, 1402-1410.  | 4.6  | 2         |
| 9  | Effects of flow on uranium speciation in soils impacted by acidic waste fluids. <i>Journal of Environmental Radioactivity</i> , 2022, 251-252, 106955.   | 1.7  | 0         |
| 10 | Experimental weathering of a volcanoclastic critical zone profile: Key role of colloidal constituents in aqueous geochemical response. <i>Chemical Geology</i> , 2021, 559, 119886.  | 3.3  | 3         |
| 11 | Signatures of Hydrologic Function Across the Critical Zone Observatory Network. <i>Water Resources Research</i> , 2021, 57, e2019WR026635.   | 4.2  | 31        |
| 12 | Bioconcentration potential and microbial toxicity of onium cations in photoacid generators. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8915-8921.   | 5.3  | 7         |
| 13 | Biochar-templated surface precipitation and inner-sphere complexation effectively removes arsenic from acid mine drainage. <i>Environmental Science and Pollution Research</i> , 2021, 28, 45519-45533.  | 5.3  | 10        |
| 14 | Synthesis and Characterization of Customizable Polyaniline-Derived Polymers and Their Application for Perfluorooctanoic Acid Removal from Aqueous Solution. <i>ACS ES&amp;T Water</i> , 2021, 1, 1438-1446.  | 4.6  | 3         |
| 15 | U-series and Sr isotopes as tracers of mineral weathering and water routing from the deep Critical Zone to streamflow in a high-elevation volcanic catchment. <i>Chemical Geology</i> , 2021, 570, 120156.   | 3.3  | 5         |
| 16 | Hydrogeophysical comparison of hillslope critical zone architecture for different geologic substrates. <i>Geophysics</i> , 2021, 86, WB87-WB107.   | 2.6  | 5         |
| 17 | Photochemical fate of sulfonium photoacid generator cations under photolithography relevant UV irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 416, 113324.  | 3.9  | 5         |
| 18 | Phosphate controls uranium release from acidic waste-weathered Hanford sediments. <i>Journal of Hazardous Materials</i> , 2021, 416, 126240.   | 12.4 | 9         |

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|----|---|------|-----------|
| 19 | Iron-activated persulfate oxidation degrades aqueous Perfluorooctanoic acid (PFOA) at ambient temperature. <i>Chemosphere</i> , 2021, 281, 130824.  | 8.2  | 19        |
| 20 | Iron(II) monosulfide (FeS) minerals reductively transform the insensitive munitions compounds 2,4-dinitroanisole (DNAN) and 3-nitro-1,2,4-triazol-5-one (NTO). <i>Chemosphere</i> , 2021, 285, 131409.    | 8.2  | 10        |
| 21 | Contrasting Community Assembly Forces Drive Microbial Structural and Potential Functional Responses to Precipitation in an Incipient Soil System. <i>Frontiers in Microbiology</i> , 2021, 12, 754698.    | 3.5  | 4         |
| 22 | The Role of Manganese Dioxide in the Natural Formation of Organochlorines. <i>ACS ES&amp;T Water</i> , 2021, 1, 2523-2530.  | 4.6  | 2         |
| 23 | Resolving Deep Critical Zone Architecture in Complex Volcanic Terrain. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005189.  | 2.8  | 13        |
| 24 | Arsenic and iron speciation and mobilization during phytostabilization of pyritic mine tailings. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 306-323.   | 3.9  | 19        |
| 25 | Dissolved Carbonate and pH Control the Dissolution of Uranyl Phosphate Minerals in Flow-Through Porous Media. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6031-6042.                        | 10.0 | 11        |
| 26 | Strong slope aspect control of regolith thickness by bedrock foliation. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 2998-3010.   | 2.5  | 17        |
| 27 | Effect of Re-acidification on Buffalo Grass Rhizosphere and Bulk Microbial Communities During Phytostabilization of Metalliferous Mine Tailings. <i>Frontiers in Microbiology</i> , 2019, 10, 1209.       | 3.5  | 24        |
| 28 | Soil Fluid Biogeochemical Response to Climatic Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2866-2882.   | 3.0  | 8         |
| 29 | Rare earth elements (REY) sorption on soils of contrasting mineralogy and texture. <i>Environment International</i> , 2019, 128, 279-291.   | 10.0 | 34        |
| 30 | Microtopography-mediated hydrologic environment controls elemental migration and mineral weathering in subalpine surface soils of subtropical monsoonal China. <i>Geoderma</i> , 2019, 344, 82-98.        | 5.1  | 26        |
| 31 | Assessing Microbial Community Patterns During Incipient Soil Formation From Basalt. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 941-958.  | 3.0  | 16        |
| 32 | Distinct stores and the routing of water in the deep critical zone of a snow-dominated volcanic catchment. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4661-4683.                              | 4.9  | 17        |
| 33 | Hydrologic functioning of the deep critical zone and contributions to streamflow in a high elevation catchment: Testing of multiple conceptual models. <i>Hydrological Processes</i> , 2019, 33, 476-494. | 2.6  | 22        |
| 34 | Surficial weathering of kaolin regolith in a subtropical climate: Implications for supergene pedogenesis and bedrock argillization. <i>Geoderma</i> , 2019, 337, 225-237.                                 | 5.1  | 10        |
| 35 | Oxidative Weathering Decreases Bioaccessibility of Toxic Metal(loid)s in PM <sub>10</sub> Emissions From Sulfide Mine Tailings. <i>GeoHealth</i> , 2018, 2, 118-138.                                      | 4.0  | 19        |
| 36 | Oxidation of reduced daughter products from 2,4-dinitroanisole (DNAN) by Mn(IV) and Fe(III) oxides. <i>Chemosphere</i> , 2018, 201, 790-798.  | 8.2  | 14        |

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|----|---|------|-----------|
| 37 | Mechanisms of Arsenic Sequestration by <i>Prosopis juliflora</i> during the Phytostabilization of Metalliferous Mine Tailings. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1156-1164.                             | 10.0 | 32        |
| 38 | Uranium speciation in acid waste-weathered sediments: The role of aging and phosphate amendments. <i>Applied Geochemistry</i> , 2018, 89, 109-120.  | 3.0  | 17        |
| 39 | Treatment impacts on temporal microbial community dynamics during phytostabilization of acid-generating mine tailings in semiarid regions. <i>Science of the Total Environment</i> , 2018, 618, 357-368.                        | 8.0  | 32        |
| 40 | Subsurface Pore Water Contributions to Stream Concentration-Discharge Relations Across a Snowmelt Hydrograph. <i>Frontiers in Earth Science</i> , 2018, 6, .  | 1.8  | 18        |
| 41 | Abiotic reduction of insensitive munition compounds by sulfate green rust. <i>Environmental Chemistry</i> , 2018, 15, 259.  | 1.5  | 16        |
| 42 | A considerable fraction of soil-respired CO <sub>2</sub> is not emitted directly to the atmosphere. <i>Scientific Reports</i> , 2018, 8, 13518.   | 3.3  | 34        |
| 43 | Adsorption and oxidation of 3-nitro-1,2,4-triazole-5-one (NTO) and its transformation product (3-amino-1,2,4-triazole-5-one, ATO) at ferrihydrite and birnessite surfaces. <i>Environmental Pollution</i> , 2018, 240, 200-208. | 7.5  | 16        |
| 44 | Wet-dry cycles impact DOM retention in subsurface soils. <i>Biogeosciences</i> , 2018, 15, 821-832.   | 3.3  | 14        |
| 45 | Trapping of lead (Pb) by corn and pea root border cells. <i>Plant and Soil</i> , 2018, 430, 205-217.  | 3.7  | 14        |
| 46 | CO <sub>2</sub> diffusion into pore spaces limits weathering rate of an experimental basalt landscape. <i>Geology</i> , 2017, 45, 203-206.  | 4.4  | 13        |
| 47 | Ecosystem Composition Controls the Fate of Rare Earth Elements during Incipient Soil Genesis. <i>Scientific Reports</i> , 2017, 7, 43208.   | 3.3  | 31        |
| 48 | Bacterial Rhizoplane Colonization Patterns of <i>Buchloe dactyloides</i> Growing in Metalliferous Mine Tailings Reflect Plant Status and Biogeochemical Conditions. <i>Microbial Ecology</i> , 2017, 74, 853-867.               | 2.8  | 20        |
| 49 | Geochemical evolution of the Critical Zone across variable time scales informs concentration-discharge relationships: The Jemez River Basin Critical Zone Observatory. <i>Water Resources Research</i> , 2017, 53, 4169-4196.   | 4.2  | 57        |
| 50 | Rates and mechanisms of uranyl oxyhydroxide mineral dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 207, 298-321.   | 3.9  | 12        |
| 51 | Environmental Fate of <sup>14</sup> C Radiolabeled 2,4-Dinitroanisole in Soil Microcosms. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13327-13334.  | 10.0 | 13        |
| 52 | Uranium Release from Acidic Weathered Hanford Sediments: Single-Pass Flow-Through and Column Experiments. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11011-11019.  | 10.0 | 15        |
| 53 | Concentration-Discharge Relations in the Critical Zone: Implications for Resolving Critical Zone Structure, Function, and Evolution. <i>Water Resources Research</i> , 2017, 53, 8654-8659.                                     | 4.2  | 48        |
| 54 | Sequential anaerobic-aerobic biodegradation of emerging insensitive munitions compound 3-nitro-1,2,4-triazol-5-one (NTO). <i>Chemosphere</i> , 2017, 167, 478-484.  | 8.2  | 38        |

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|----|--|------|-----------|
| 55 | Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth. <i>Earth Surface Dynamics</i> , 2017, 5, 841-860.  | 2.4  | 92        |
| 56 | Identifying Toxic Biotransformation Products of the Insensitive Munitions Compound, 2,4-Dinitroanisole (DNAN), Using Liquid Chromatography Coupled to Quadrupole Time-of-Flight Mass Spectrometry (LC-QToF-MS). <i>ACS Symposium Series</i> , 2016, , 133-145. | 0.5  | 2         |
| 57 | Pore water chemistry reveals gradients in mineral transformation across a model basaltic hillslope. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2054-2069.   | 2.5  | 11        |
| 58 | Phytostabilization of mine tailings using compost-assisted direct planting: Translating greenhouse results to the field. <i>Science of the Total Environment</i> , 2016, 565, 451-461.   | 8.0  | 102       |
| 59 | Microbial toxicity and characterization of DNAN (bio)transformation product mixtures. <i>Chemosphere</i> , 2016, 154, 499-506.   | 8.2  | 16        |
| 60 | U-series isotopic signatures of soils and headwater streams in a semi-arid complex volcanic terrain. <i>Chemical Geology</i> , 2016, 445, 68-83.   | 3.3  | 13        |
| 61 | Colloids and organic matter complexation control trace metal concentration-discharge relationships in Marshall Gulch stream waters. <i>Water Resources Research</i> , 2016, 52, 7931-7944.   | 4.2  | 45        |
| 62 | Resolving colocalization of bacteria and metal(loid)s on plant root surfaces by combining fluorescence in situ hybridization (FISH) with multiple-energy micro-focused X-ray fluorescence (ME Tj ETQq0 0 0 rgt /Overlock 10 Tf 5                               |      |           |
| 63 | Soil Lysimeter Excavation for Coupled Hydrological, Geochemical, and Microbiological Investigations. <i>Journal of Visualized Experiments</i> , 2016, , .  | 0.3  | 4         |
| 64 | (Bio)transformation of 2,4-dinitroanisole (DNAN) in soils. <i>Journal of Hazardous Materials</i> , 2016, 304, 214-221.   | 12.4 | 46        |
| 65 | Solid-phase redistribution of rare earth elements in hillslope pedons subjected to different hydrologic fluxes. <i>Chemical Geology</i> , 2016, 426, 1-18.   | 3.3  | 23        |
| 66 | Climatic and landscape controls on water transit times and silicate mineral weathering in the critical zone. <i>Water Resources Research</i> , 2015, 51, 6036-6051.  | 4.2  | 43        |
| 67 | Adsorption of novel insensitive munitions compounds at clay mineral and metal oxide surfaces. <i>Environmental Chemistry</i> , 2015, 12, 74.   | 1.5  | 38        |
| 68 | Critical Zone Services: Expanding Context, Constraints, and Currency beyond Ecosystem Services. <i>Vadose Zone Journal</i> , 2015, 14, vjz2014.10.0142.  | 2.2  | 60        |
| 69 | Hydrological partitioning in the critical zone: Recent advances and opportunities for developing transferable understanding of water cycle dynamics. <i>Water Resources Research</i> , 2015, 51, 6973-6987.  | 4.2  | 189       |
| 70 | Quantifying Topographic and Vegetation Effects on the Transfer of Energy and Mass to the Critical Zone. <i>Vadose Zone Journal</i> , 2015, 14, 1-16.   | 2.2  | 37        |
| 71 | The Landscape Evolution Observatory: A large-scale controllable infrastructure to study coupled Earth-surface processes. <i>Geomorphology</i> , 2015, 244, 190-203.  | 2.6  | 47        |
| 72 | Toxic metal(loid) speciation during weathering of iron sulfide mine tailings under semi-arid climate. <i>Applied Geochemistry</i> , 2015, 62, 131-149.   | 3.0  | 65        |

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|----|---|------|-----------|
| 73 | The Role of Critical Zone Observatories in Critical Zone Science. <i>Developments in Earth Surface Processes</i> , 2015, , 15-78.   | 2.8  | 57        |
| 74 | Biotransformation and Degradation of the Insensitive Munitions Compound, 3-Nitro-1,2,4-triazol-5-one, by Soil Bacterial Communities. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5681-5688.   | 10.0 | 54        |
| 75 | Rare earth elements as reactive tracers of biogeochemical weathering in forested rhyolitic terrain. <i>Chemical Geology</i> , 2015, 391, 19-32.   | 3.3  | 67        |
| 76 | Experimental Assessment of Passive Capillary Wick Sampler Suitability for Inorganic Soil Solution Constituents. <i>Soil Science Society of America Journal</i> , 2014, 78, 486-495.   | 2.2  | 7         |
| 77 | Incipient subsurface heterogeneity and its effect on overland flow generation – insight from a modeling study of the first experiment at the Biosphere 2 Landscape Evolution Observatory. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1873-1883.         | 4.9  | 29        |
| 78 | Hillslope-scale experiment demonstrates the role of convergence during two-step saturation. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3681-3692.   | 4.9  | 31        |
| 79 | Fractionation of Dissolved Organic Matter by (Oxy)Hydroxide-Coated Sands: Competitive Sorbate Displacement during Reactive Transport. <i>Vadose Zone Journal</i> , 2014, 13, 1-13.  | 2.2  | 22        |
| 80 | Bioaccessibility, release kinetics, and molecular speciation of arsenic and lead in geo-dusts from the Iron King Mine Federal Superfund site in Humboldt, Arizona. <i>Reviews on Environmental Health</i> , 2014, 29, 23-7.   | 2.4  | 8         |
| 81 | Stream water carbon controls in seasonally snow-covered mountain catchments: impact of inter-annual variability of water fluxes, catchment aspect and seasonal processes. <i>Biogeochemistry</i> , 2014, 118, 273-290.  | 3.5  | 60        |
| 82 | Influence of Phosphate and Silica on U(VI) Precipitation from Acidic and Neutralized Wastewaters. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6097-6106.  | 10.0 | 59        |
| 83 | Environmental factors influencing the structural dynamics of soil microbial communities during assisted phytostabilization of acid-generating mine tailings: A mesocosm experiment. <i>Science of the Total Environment</i> , 2014, 500-501, 314-324.               | 8.0  | 67        |
| 84 | Surficial weathering of iron sulfide mine tailings under semi-arid climate. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 240-257.  | 3.9  | 79        |
| 85 | Impact of organic carbon on weathering and chemical denudation of granular basalt. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 508-526.   | 3.9  | 19        |
| 86 | A New Standard-Based Polynomial Interpolation (SBPI <sub>n</sub> ) method to address gel-to-gel variability for the comparison of multiple denaturing gradient gel electrophoresis profile matrices. <i>Journal of Microbiological Methods</i> , 2013, 92, 173-177. | 1.6  | 5         |
| 87 | Fractionation of yttrium and holmium during basaltic soil weathering. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 18-30.  | 3.9  | 37        |
| 88 | Effect of silicic acid on arsenate and arsenite retention mechanisms on 6-L ferrihydrite: A spectroscopic and batch adsorption approach. <i>Applied Geochemistry</i> , 2013, 38, 110-120.   | 3.0  | 84        |
| 89 | Microscale Speciation of Arsenic and Iron in Ferric-Based Sorbents Subjected to Simulated Landfill Conditions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12992-13000.   | 10.0 | 32        |
| 90 | Coevolution of nonlinear trends in vegetation, soils, and topography with elevation and slope aspect: A case study in the sky islands of southern Arizona. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 741-758.                            | 2.8  | 76        |

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|-----|--|------|-----------|
| 91  | Impacts of Sampling Dissolved Organic Matter with Passive Capillary Wicks Versus Aqueous Soil Extraction. <i>Soil Science Society of America Journal</i> , 2012, 76, 2019-2030.  | 2.2  | 16        |
| 92  | Adsorption of perfluorooctanoic acid and perfluorooctanesulfonic acid to iron oxide surfaces as studied by flow-through ATR-FTIR spectroscopy. <i>Environmental Chemistry</i> , 2012, 9, 148.                                  | 1.5  | 156       |
| 93  | Geochemical Weathering Increases Lead Bioaccessibility in Semi-Arid Mine Tailings. <i>Environmental Science &amp; Technology</i> , 2012, 46, 5834-5841.  | 10.0 | 48        |
| 94  | Quantifying PPCP interaction with dissolved organic matter in aqueous solution: Combined use of fluorescence quenching and tandem mass spectrometry. <i>Water Research</i> , 2012, 46, 943-954.                                | 11.3 | 83        |
| 95  | Response of Key Soil Parameters during Compost-Assisted Phytostabilization in Extremely Acidic Tailings: Effect of Plant Species. <i>Environmental Science &amp; Technology</i> , 2012, 46, 1019-1027.                         | 10.0 | 73        |
| 96  | Changes in Zinc Speciation with Mine Tailings Acidification in a Semiarid Weathering Environment. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7166-7172.   | 10.0 | 19        |
| 97  | The effects of climate and landscape position on chemical denudation and mineral transformation in the Santa Catalina mountain critical zone observatory. <i>Applied Geochemistry</i> , 2011, 26, S80-S84.                     | 3.0  | 19        |
| 98  | A mass-balance model to separate and quantify colloidal and solute redistributions in soil. <i>Chemical Geology</i> , 2011, 282, 113-119.  | 3.3  | 34        |
| 99  | Interactions of Carbamazepine in Soil: Effects of Dissolved Organic Matter. <i>Journal of Environmental Quality</i> , 2011, 40, 942-948.   | 2.0  | 75        |
| 100 | Trace contaminant concentration affects mineral transformation and pollutant fate in hydroxide-weathered Hanford sediments. <i>Journal of Hazardous Materials</i> , 2011, 197, 119-127.  | 12.4 | 21        |
| 101 | Effect of arbuscular mycorrhizal fungi on plant biomass and the rhizosphere microbial community structure of mesquite grown in acidic lead/zinc mine tailings. <i>Science of the Total Environment</i> , 2011, 409, 1009-1016. | 8.0  | 100       |
| 102 | An open system framework for integrating critical zone structure and function. <i>Biogeochemistry</i> , 2011, 102, 15-29.  | 3.5  | 103       |
| 103 | How Water, Carbon, and Energy Drive Critical Zone Evolution: The Jemezâ€“Santa Catalina Critical Zone Observatory. <i>Vadose Zone Journal</i> , 2011, 10, 884-899.   | 2.2  | 111       |
| 104 | Rare earth element release from phosphate minerals in the presence of organic acids. <i>Chemical Geology</i> , 2010, 278, 1-14.  | 3.3  | 96        |
| 105 | Changes in lead and zinc lability during weathering-induced acidification of desert mine tailings: Coupling chemical and micro-scale analyses. <i>Applied Geochemistry</i> , 2009, 24, 2234-2245.                              | 3.0  | 42        |
| 106 | Solid phase evolution in the Biosphere 2 hillslope experiment as predicted by modeling of hydrologic and geochemical fluxes. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 2273-2286.                                 | 4.9  | 23        |
| 107 | ATR-FTIR study of lipopolysaccharides at mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 188-198.  | 5.0  | 42        |
| 108 | Soil Biogeochemical Processes within the Critical Zone. <i>Elements</i> , 2007, 3, 321-326.  | 0.5  | 224       |

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|-----|--|------|-----------|
| 109 | ATR-FTIR Spectroscopy Reveals Bond Formation During Bacterial Adhesion to Iron Oxide. <i>Langmuir</i> , 2006, 22, 8492-8500.   | 3.5  | 307       |
| 110 | Colloid Mobilization During Soil Iron Redox Oscillations. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5743-5749.   | 10.0 | 163       |
| 111 | Linking litter calcium, earthworms and soil properties: a common garden test with 14 tree species. <i>Ecology Letters</i> , 2005, 8, 811-818.  | 6.4  | 586       |
| 112 | Surface charge evolution of mineral-organic complexes during pedogenesis in Hawaiian basalt. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4859-4876.                                 | 3.9  | 187       |
| 113 | Reaction of forest floor organic matter at goethite, birnessite and smectite surfaces. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 95-109.  | 3.9  | 309       |
| 114 | The chemistry of pedogenic thresholds. <i>Geoderma</i> , 2001, 100, 321-353.   | 5.1  | 358       |
| 115 | Leachate Chemistry of Field-Weathered Spent Mushroom Substrate. <i>Journal of Environmental Quality</i> , 2001, 30, 1699-1709.   | 2.0  | 43        |
| 116 | Effects of Spent Mushroom Substrate Weathering on the Chemistry of Underlying Soils. <i>Journal of Environmental Quality</i> , 2001, 30, 2127-2134.  | 2.0  | 19        |
| 117 | Response to "Comments on "Artifacts Caused by Collection of Soil Solution with Passive Capillary Samplers". <i>Soil Science Society of America Journal</i> , 2001, 65, 1572-1573.          | 2.2  | 3         |
| 118 | Rapid abiotic transformation of nitrate in an acid forest soil. <i>Biogeochemistry</i> , 2001, 54, 131-146.  | 3.5  | 157       |
| 119 | Evolution of CO <sub>2</sub> during Birnessite-Induced Oxidation of <sup>14</sup> C-labeled Catechol. <i>Soil Science Society of America Journal</i> , 2000, 64, 157-163.                  | 2.2  | 58        |
| 120 | Artifacts Caused by Collection of Soil Solution with Passive Capillary Samplers. <i>Soil Science Society of America Journal</i> , 2000, 64, 1330-1336.                                     | 2.2  | 35        |
| 121 | Structural Charge and Cesium Retention in a Chronosequence of Tephritic Soils. <i>Soil Science Society of America Journal</i> , 1999, 63, 169-177.   | 2.2  | 45        |
| 122 | Quinoline Sorption on Kaolinite-Humic Acid Complexes. <i>Soil Science Society of America Journal</i> , 1999, 63, 850-857.  | 2.2  | 37        |
| 123 | Surface charge characteristics of kaolinitic tropical soils. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 875-884.   | 3.9  | 122       |
| 124 | Colloid Chemistry of Kaolinitic Tropical Soils. <i>Soil Science Society of America Journal</i> , 1995, 59, 1558-1564.  | 2.2  | 30        |
| 125 | Solution chemistry profiles of mixed-conifer forests before and after fire. <i>Biogeochemistry</i> , 1994, 26, 115-144.  | 3.5  | 97        |
| 126 | Controlled Experiments of Hillslope Coevolution at the Biosphere 2 Landscape Evolution Observatory: Toward Prediction of Coupled Hydrological, Biogeochemical, and Ecological Change. , 0, |      | 9         |