

# Daniel G Strawn

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,873  
citations

270111

25  
h-index

190340

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sorption of Metals. , 2022, , .		0
2	Variability in Cadmium Uptake in Common Wheat under Cadmium Stress: Impact of Genetic Variation and Silicon Supplementation. Agriculture (Switzerland), 2022, 12, 848.	1.4	1
3	Cadmium concentrations in Idaho wheat grain and soil. , 2022, 5, .		1
4	Sorption Mechanisms of Chemicals in Soils. Soil Systems, 2021, 5, 13.	1.0	55
5	50 years of articles in JEQ on trace elements in the environment, and future outlook. Journal of Environmental Quality, 2021, 50, 1266-1281.	1.0	0
6	Sources and subsurface transport of dissolved reactive phosphorus in a semiarid, no-till catchment with complex topography. Journal of Environmental Quality, 2020, 49, 1286-1297.	1.0	4
7	Association between extracted copper and dissolved organic matter in dairy-manure amended soils. Environmental Pollution, 2019, 246, 1020-1026.	3.7	37
8	Phenazine-1-Carboxylic Acid-Producing Bacteria Enhance the Reactivity of Iron Minerals in Dryland and Irrigated Wheat Rhizospheres. Environmental Science & Technology, 2019, 53, 14273-14284.	4.6	21
9	Biological and mineralogical controls over cycling of low molecular weight organic compounds along a soil chronosequence. Soil Biology and Biochemistry, 2019, 133, 16-27.	4.2	18
10	Review of interactions between phosphorus and arsenic in soils from four case studies. Geochemical Transactions, 2018, 19, 10.	1.8	81
11	Using Organic Amendments to Restore Soil Physical and Chemical Properties of a Mine Site in Northeastern Oregon, USA. Applied Engineering in Agriculture, 2018, 34, 43-55.	0.3	22
12	Pedogenic Pathways in Andic Soils of the Northern Rocky Mountains (USA). Soil Science Society of America Journal, 2018, 82, 1308-1318.	1.2	3
13	Filter Membrane Effects on Water-Extractable Phosphorus Concentrations from Soil. Journal of Environmental Quality, 2018, 47, 378-382.	1.0	0
14	Soil Evolution and Mass Flux of Basaltic Cinder Cones in a Cool, Semi-Arid Climate. Soil Science Society of America Journal, 2018, 82, 1177-1190.	1.2	2
15	Inhibition of phosphorus sorption on calcite by dairy manure-sourced DOC. Chemosphere, 2017, 184, 99-105.	4.2	22
16	Variation in cadmium accumulation in spring wheat cultivars: uptake and redistribution to grain. Plant and Soil, 2017, 421, 219-231.	1.8	21
17	Biochars Reduce Mine Land Soil Bioavailable Metals. Journal of Environmental Quality, 2017, 46, 411-419.	1.0	65
18	Linking Physical and Biogeochemical Properties and Processes in the Drilosphere. Soil Science, 2016, 181, 126-132.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Phosphorus Speciation in Calcareous Soils Following Annual Dairy Manure Amendments. <i>Soil Science Society of America Journal</i> , 2016, 80, 1531-1542.	1.2	52
20	Biochar Soil Amendment Effects on Arsenic Availability to Mountain Brome ( <i>Bromus</i> ) Tj ETQq0 0 0 rgBT /Overlock,10 Tf 50,702 Td (m	1.0	8
21	Lead Immobilization and Phosphorus Availability in Phosphate-Amended, Mine-Contaminated Soils. <i>Journal of Environmental Quality</i> , 2015, 44, 183-190.	1.0	16
22	XAFS Study of Fe-Substituted Allophane and Imogolite. <i>Clays and Clay Minerals</i> , 2014, 62, 20-34.	0.6	17
23	Temperature Effects on the Crystallinity of Synthetic Nontronite and Implications for Nontronite Formation in Columbia River Basalts. <i>Clays and Clay Minerals</i> , 2014, 62, 89-101.	0.6	16
24	Investigation of Copper Sorption by Sugar Beet Processing Lime Waste. <i>Journal of Environmental Quality</i> , 2013, 42, 919-924.	1.0	8
25	Celadonite in continental flood basalts of the Columbia River Basalt Group. <i>American Mineralogist</i> , 2012, 97, 1284-1290.	0.9	16
26	Fe K-edge XAFS spectra of phyllosilicates of varying crystallinity. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 675-684.	0.3	15
27	Macroscopic and Molecular Investigations of Copper Sorption by a Steam-Activated Biochar. <i>Journal of Environmental Quality</i> , 2012, 41, 1150-1156.	1.0	92
28	Distribution of As, Cd, Pb, and Zn in redox features of mine-waste impacted wetland soils. <i>Journal of Soils and Sediments</i> , 2012, 12, 1100-1110.	1.5	12
29	Chemical Speciation and Bioavailability of Selenium in the Rhizosphere of <i>Symphyotrichum eatonii</i> from Reclaimed Mine Soils. <i>Environmental Science &amp; Technology</i> , 2011, 45, 870-875.	4.6	38
30	Metal content of charcoal in mining-impacted wetland sediments. <i>Science of the Total Environment</i> , 2011, 409, 588-594.	3.9	14
31	Cation Exchange on Vadose Zone Research Park Subsurface Sediment, Idaho National Laboratory. <i>Vadose Zone Journal</i> , 2010, 9, 476-485.	1.3	3
32	XAS Study of Fe Mineralogy in a Chronosequence of Soil Clays Formed in Basaltic Cinders. <i>Clays and Clay Minerals</i> , 2010, 58, 772-782.	0.6	21
33	Selenium Biogeochemical Cycling and Fluxes in the Hyporheic Zone of a Mining-Impacted Stream. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4176-4183.	4.6	20
34	Molecular characterization of copper in soils using X-ray absorption spectroscopy. <i>Environmental Pollution</i> , 2009, 157, 2813-2821.	3.7	103
35	Depositional Influences on Porewater Arsenic in Sediments of a Mining-Contaminated Freshwater Lake. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6823-6829.	4.6	19
36	Speciation of Cu in a Contaminated Agricultural Soil Measured by XAFS, $\mu$ -XAFS, and $\mu$ -XRF. <i>Environmental Science &amp; Technology</i> , 2008, 42, 37-42.	4.6	136

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37	Macro- and Microscale Investigation of Selenium Speciation in Blackfoot River, Idaho Sediments. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6830-6836.	4.6	28
38	Phosphorus Removal from Municipal Wastewater by Hydrous Ferric Oxide Reactive Filtration and Coupled Chemically Enhanced Secondary Treatment: Part II—Mechanism. <i>Water Environment Research</i> , 2008, 80, 248-256.	1.3	11
39	PLANT UPTAKE AND LEACHING OF SELENIUM IN MANURE- AND GYPSUM-AMENDED SOILS OF THE WESTERN PHOSPHATE RESOURCE AREA. <i>Soil Science</i> , 2008, 173, 613-623.	0.9	4
40	Characterization of Iron- and Manganese-Cemented Redoximorphic Aggregates in Wetland Soils Contaminated with Mine Wastes. <i>Journal of Environmental Quality</i> , 2008, 37, 2375-2385.	1.0	26
41	Sample Drying Effects on Lead Bioaccessibility in Reduced Soil. <i>Journal of Environmental Quality</i> , 2007, 36, 899-903.	1.0	12
42	Geochemistry of lead contaminated wetland soils amended with phosphorus. <i>Environmental Geology</i> , 2007, 52, 109-122.	1.2	19
43	Metal(loid) Diagenesis in Mine-Impacted Sediments of Lake Coeur d'Alene, Idaho. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2537-2543.	4.6	40
44	Microscopically Focused Synchrotron X-ray Investigation of Selenium Speciation in Soils Developing on Reclaimed Mine Lands. <i>Environmental Science &amp; Technology</i> , 2006, 40, 462-467.	4.6	57
45	Risk Assessment Test for Lead Bioaccessibility to Waterfowl in Mine-Impacted Soils. <i>Journal of Environmental Quality</i> , 2006, 35, 450-458.	1.0	27
46	Molecular-level investigation into copper complexes on vermiculite: Effect of reduction of structural iron on copper complexation. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 1-13.	5.0	20
47	Micro-spectroscopic investigation of selenium-bearing minerals from the Western US Phosphate Resource Area. <i>Geochemical Transactions</i> , 2005, 6, 1.	1.8	72
48	Fate of Applied Sulfate in Volcanic Ash-Influenced Forest Soils. <i>Soil Science Society of America Journal</i> , 2005, 69, 1507-1515.	1.2	8
49	Polarized XANES and EXAFS spectroscopic investigation into copper(II) complexes on vermiculite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5219-5231.	1.6	57
50	Phosphorus Speciation in Manure-Amended Alkaline Soils. <i>Journal of Environmental Quality</i> , 2004, 33, 1521-1527.	1.0	106
51	Copper Sorption Mechanisms on Smectites. <i>Clays and Clay Minerals</i> , 2004, 52, 321-333.	0.6	78
52	KINETICS OF PHOSPHORUS RELEASE FROM MANURE-AMENDED ALKALINE SOIL. <i>Soil Science</i> , 2003, 168, 869-879.	0.9	48
53	Microscale investigation into the geochemistry of arsenic, selenium, and iron in soil developed in pyritic shale materials. <i>Geoderma</i> , 2002, 108, 237-257.	2.3	125
54	Residence Time Effects on Arsenate Adsorption/Desorption Mechanisms on Goethite. <i>Soil Science Society of America Journal</i> , 2001, 65, 67-77.	1.2	252

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55	Effects of Soil Organic Matter on the Kinetics and Mechanisms of Pb(II) Sorption and Desorption in Soil. <i>Soil Science Society of America Journal</i> , 2000, 64, 144-156.	1.2	285
56	The Use of XAFS to Distinguish between Inner- and Outer-Sphere Lead Adsorption Complexes on Montmorillonite. <i>Journal of Colloid and Interface Science</i> , 1999, 216, 257-269.	5.0	248
57	The kinetics of mixed Ni-Al hydroxide formation on clay and aluminum oxide minerals: a time-resolved XAFS study. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2233-2245.	1.6	209
58	Kinetics and Mechanisms of Pb(II) Sorption and Desorption at the Aluminum Oxide-Water Interface. <i>Environmental Science &amp; Technology</i> , 1998, 32, 2596-2601.	4.6	176