

# Patricia M Fox

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,165  
citations

471509

17  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of calcium on aqueous uranium(VI) speciation and adsorption to ferrihydrite and quartz. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1379-1387.	3.9	246
2	Persistence of uranium groundwater plumes: Contrasting mechanisms at two DOE sites in the groundwater-river interaction zone. <i>Journal of Contaminant Hydrology</i> , 2013, 147, 45-72.	3.3	136
3	Comparison of in situ uranium KD values with a laboratory determined surface complexation model. <i>Applied Geochemistry</i> , 2004, 19, 1643-1653.	3.0	72
4	Geochemical Exports to River From the Intrameander Hyporheic Zone Under Transient Hydrologic Conditions: East River Mountainous Watershed, Colorado. <i>Water Resources Research</i> , 2018, 54, 8456-8477.	4.2	66
5	The kinetics of iodide oxidation by the manganese oxide mineral birnessite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2850-2861.	3.9	61
6	Bicarbonate impact on U(VI) bioreduction in a shallow alluvial aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 106-124.	3.9	58
7	The influence of groundwater chemistry on arsenic concentrations and speciation in a quartz sand	0.7	57
8	Speciation and Reactivity of Uranium Products Formed during <i>in Situ</i> Bioremediation in a Shallow Alluvial Aquifer. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12842-12850.	10.0	56
9	Accumulation, Release, and Solubility of Arsenic, Molybdenum, and Vanadium in Wetland Sediments. <i>Journal of Environmental Quality</i> , 2003, 32, 2428-2435.	2.0	46
10	Surface Complexation Modeling of U(VI) Adsorption by Aquifer Sediments from a Former Mill Tailings Site at Rifle, Colorado. <i>Environmental Science &amp; Technology</i> , 2009, 43, 9368-9373.	10.0	46
11	Abiotic U(VI) reduction by sorbed Fe(II) on natural sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 266-282.	3.9	43
12	Rate-limited U(VI) desorption during a small-scale tracer test in a heterogeneous uranium-contaminated aquifer. <i>Water Resources Research</i> , 2012, 48, .	4.2	42
13	Characterization of natural organic matter in low-carbon sediments: Extraction and analytical approaches. <i>Organic Geochemistry</i> , 2017, 114, 12-22.	1.8	42
14	Processes affecting transport of uranium in a suboxic aquifer. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 548-555.	2.9	37
15	Evaluating Chemical Extraction Techniques for the Determination of Uranium Oxidation State in Reduced Aquifer Sediments. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9225-9232.	10.0	27
16	Sorption and Redox Reactions of As(III) and As(V) within Secondary Mineral Coatings on Aquifer Sediment Grains. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11569-11576.	10.0	25
17	Redox Transformations and Transport of Cesium and Iodine ( $\sim 1, 0, +5$ ) in Oxidizing and Reducing Zones of a Sand and Gravel Aquifer. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1940-1946.	10.0	24
18	Trace Element Retention and Release on Minerals and Soil in a Constructed Wetland. <i>Journal of Environmental Quality</i> , 2002, 31, 331-338.	2.0	15

#	ARTICLE	IF	CITATIONS
19	Modeling the Impact of Riparian Hollows on River Corridor Nitrogen Exports. <i>Frontiers in Water</i> , 2021, 3, .	2.3	15
20	Shale as a Source of Organic Carbon in Floodplain Sediments of a Mountainous Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005419.	3.0	14
21	Trace Element Retention and Release on Minerals and Soil in a Constructed Wetland. <i>Journal of Environmental Quality</i> , 2002, 31, 331.	2.0	9
22	Effects of bentonite heating on U(VI) adsorption. <i>Applied Geochemistry</i> , 2019, 109, 104392.	3.0	8
23	Geochemical Controls on Release and Speciation of Fe(II) and Mn(II) From Hyporheic Sediments of East River, Colorado. <i>Frontiers in Water</i> , 2020, 2, .	2.3	7
24	The influence of groundwater chemistry on arsenic concentrations and speciation in a quartz sand and gravel aquifer. <i>Geochemical Transactions</i> , 2004, 5, 1.	0.7	5
25	Sulfur Biogeochemical Cycling and Redox Dynamics in a Shale-Dominated Mountainous Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	5
26	Production of hydrogen peroxide in an intra-meander hyporheic zone at East River, Colorado. <i>Scientific Reports</i> , 2022, 12, 712.	3.3	3
27	Comparison of in situ uranium KD values with a laboratory determined surface complexation model. <i>Applied Geochemistry</i> , 2004, , .	3.0	0