William R Bower

List of Publications by Year
in descending order

15	301	1040056 9	1058476 14
papers	citations	h-index	g-index

15	15	15	350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retention of immobile Se(0) in flow-through aquifer column systems during bioreduction and oxic-remobilization. Science of the Total Environment, 2022, 834, 155332.	8.0	3
2	New highly radioactive particles derived from Fukushima Daiichi Reactor Unit 1: Properties and environmental impacts. Science of the Total Environment, 2021, 773, 145639.	8.0	18
3	Abundance and distribution of radioactive cesium-rich microparticles released from the Fukushima Daiichi Nuclear Power Plant into the environment. Chemosphere, 2020, 241, 125019.	8.2	36
4	Isotopic and Compositional Variations in Single Nuclear Fuel Pellet Particles Analyzed by Nanoscale Secondary Ion Mass Spectrometry. ACS Omega, 2020, 5, 296-303.	3.5	8
5	Particulate plutonium released from the Fukushima Daiichi meltdowns. Science of the Total Environment, 2020, 743, 140539.	8.0	30
6	Organic complexation of U(VI) in reducing soils at a natural analogue site: Implications for uranium transport. Chemosphere, 2020, 254, 126859.	8.2	36
7	Metaschoepite Dissolution in Sediment Column Systemsâ€"Implications for Uranium Speciation and Transport. Environmental Science & Technology, 2019, 53, 9915-9925.	10.0	14
8	Plutonium Migration during the Leaching of Cemented Radioactive Waste Sludges. Geosciences (Switzerland), 2019, 9, 31.	2.2	5
9	Dissolution of radioactive, cesium-rich microparticles released from the Fukushima Daiichi Nuclear Power Plant in simulated lung fluid, pure-water, and seawater. Chemosphere, 2019, 233, 633-644.	8.2	33
10	Radiation Damage Effects in Chlorite Investigated Using Microfocus Synchrotron Techniques. ACS Earth and Space Chemistry, 2019, 3, 652-662.	2.7	0
11	Uranium Contamination of Stainless Steel in Nuclear Processing Plants. Industrial & Engineering Chemistry Research, 2018, 57, 3957-3962.	3.7	12
12	Analysis of contaminated nuclear plant steel by laser-induced breakdown spectroscopy. Journal of Hazardous Materials, 2018, 345, 114-122.	12.4	40
13	Novel Method of Quantifying Radioactive Cesium-Rich Microparticles (CsMPs) in the Environment from the Fukushima Daiichi Nuclear Power Plant. Environmental Science & Technology, 2018, 52, 6390-6398.	10.0	54
14	Radiation damage in biotite mica by accelerated Î±-particles: A synchrotron microfocus X-ray diffraction and X-ray absorption spectroscopy studyk. American Mineralogist, 2016, 101, 928-942.	1.9	7
15	Radiation damage haloes in biotite investigated using high-resolution transmission electron microscopy. American Mineralogist, 2016, 101, 105-110.	1.9	5