

# William R Bower

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8172169/publications.pdf>

Version: 2024-02-01

15  
papers

301  
citations

1040056

9  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

350  
citing authors

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