

# Neil J Willey

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

825  
citations

516681

16  
h-index

477281

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioactivity in Future Phosphogypsum: New predictions based on estimates of $^{226}\text{Ra}$ Peak and rock phosphate resources. <i>Journal of Environmental Radioactivity</i> , 2022, 244-245, 106828.	1.7	3
2	Developmental, Morphological and Physiological Traits in Plants Exposed for Five Generations to Chronic Low-Level Ionising Radiation. <i>Frontiers in Plant Science</i> , 2020, 11, 389.	3.6	6
3	Predicting the Effects of Low Dose-Rate Ionizing Radiation on Redox Potential in Plant Cells. <i>Methods in Molecular Biology</i> , 2019, 1990, 135-142.	0.9	0
4	Making the most of what we have: application of extrapolation approaches in radioecological wildlife transfer models. <i>Journal of Environmental Radioactivity</i> , 2016, 151, 373-386.	1.7	36
5	Inter-Taxa Differences in Iodine Uptake by Plants: Implications for Food Quality and Contamination. <i>Agronomy</i> , 2015, 5, 537-554.	3.0	8
6	Thai visitors' expectations and experiences of explainer interaction within a science museum context. <i>Public Understanding of Science</i> , 2015, 24, 69-85.	2.8	15
7	Soil to plant transfer of radionuclides: predicting the fate of multiple radioisotopes in plants. <i>Journal of Environmental Radioactivity</i> , 2014, 133, 31-34.	1.7	20
8	Ion brew: clarifying the influences on plant ionomes. <i>New Phytologist</i> , 2012, 196, 1-3.	7.3	3
9	The effects of plant traits and phylogeny on soil-to-plant transfer of $^{99}\text{Tc}$ . <i>Journal of Environmental Radioactivity</i> , 2010, 101, 757-766.	1.7	7
10	Phylogeny can be used to make useful predictions of soil-to-plant transfer factors for radionuclides. <i>Radiation and Environmental Biophysics</i> , 2010, 49, 613-623.	1.4	26
11	PHYLOGENETIC VARIATION IN THE TOLERANCE AND UPTAKE OF ORGANIC CONTAMINANTS. <i>International Journal of Phytoremediation</i> , 2009, 11, 623-639.	3.1	10
12	Phylogeny and Growth Strategy as Predictors of Differences in Cobalt Concentrations Between Plant Species. <i>Environmental Science &amp; Technology</i> , 2008, 42, 2162-2167.	10.0	16
13	Soils Contaminated With Radionuclides. <i>Methods in Biotechnology</i> , 2007, , 305-317.	0.2	5
14	Phytoremediation of soils contaminated with radionuclides. <i>Radioactivity in the Environment</i> , 2007, 10, 43-69.	0.2	2
15	Using Real-Time Polymerase Chain Reaction to Quantify Gene Expression in Plants Exposed to Radioactivity. <i>Methods in Biotechnology</i> , 2007, , 59-70.	0.2	2
16	An analysis of intertaxa differences in sulfur concentration in angiosperms. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 717-727.	1.9	15
17	Inter-taxa differences in root uptake of $^{103/106}\text{Ru}$ by plants. <i>Journal of Environmental Radioactivity</i> , 2006, 86, 227-240.	1.7	17
18	A phylogenetic effect on strontium concentrations in angiosperms. <i>Environmental and Experimental Botany</i> , 2006, 57, 258-269.	4.2	41

#	ARTICLE	IF	CITATIONS
19	Some effects of nitrogen nutrition on caesium uptake and translocation by species in the Poaceae, Asteraceae and Caryophyllidae. <i>Environmental and Experimental Botany</i> , 2006, 58, 114-122.	4.2	16
20	Predicting Inter-Taxa Differences in Plant Uptake of Cesium-134/137. <i>Journal of Environmental Quality</i> , 2005, 34, 1478-1489.	2.0	37
21	Species Selection for Phytoremediation of <sup>36</sup> Cl/ <sup>35</sup> Cl Using Angiosperm Phylogeny and Inter-Taxa Differences in Uptake. <i>International Journal of Phytoremediation</i> , 2005, 7, 295-306.	3.1	11
22	Selecting plants to minimise radiocaesium in the food chain. <i>Plant and Soil</i> , 2003, 249, 177-186.	3.7	62
23	Title is missing!. <i>Plant and Soil</i> , 2003, 250, 75-81.	3.7	33
24	Topology: a novel method to describe branching patterns in <i>Peronospora viciae</i> colonies. <i>Mycological Research</i> , 2003, 107, 1123-1131.	2.5	6
25	Soil availability, plant uptake and soil to plant transfer of <sup>99</sup> Tc – A review. <i>Journal of Environmental Radioactivity</i> , 2003, 65, 215-231.	1.7	39
26	Phylogenetic variation in heavy metal accumulation in angiosperms. <i>New Phytologist</i> , 2001, 152, 9-27.	7.3	191
27	Influx and accumulation of Cs <sup>+</sup> by the <i>akt1</i> mutant of <i>Arabidopsis thaliana</i> (L.) Heynh. lacking a dominant K <sup>+</sup> transport system. <i>Journal of Experimental Botany</i> , 2001, 52, 839-844.	4.8	66
28	Assessing the Potential of Phytoremediation at a Site in the U.K. Contaminated With <sup>137</sup> Cs. <i>International Journal of Phytoremediation</i> , 2001, 3, 321-333.	3.1	19
29	A comparison of stable caesium uptake by six grass species of contrasting growth strategy. <i>Environmental Pollution</i> , 1997, 95, 311-317.	7.5	26
30	Differences in root uptake of radiocaesium by 30 plant taxa. <i>Environmental Pollution</i> , 1997, 97, 11-15.	7.5	87