

Deborah H Oughton

List of Publications by Year in descending order

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29
papers

867
citations

471509

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h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Radionuclide mobility and bioavailability in Norwegian and Soviet soils. <i>Analyst, The</i> , 1992, 117, 481-486.	3.5	91
2	Potential Remobilization of ¹³⁷ Cs, ⁶⁰ Co, ⁹⁹ Tc, and ⁹⁰ Sr from Contaminated Mayak Sediments in River and Estuary Environments. <i>Environmental Science & Technology</i> , 2002, 36, 2330-2337.	10.0	67
3	Bioavailability of cobalt and silver nanoparticles to the earthworm <i>Eisenia fetida</i> . <i>Nanotoxicology</i> , 2012, 6, 186-195.	3.0	65
4	Plutonium from Mayak: Measurement of Isotope Ratios and Activities Using Accelerator Mass Spectrometry. <i>Environmental Science & Technology</i> , 2000, 34, 1938-1945.	10.0	61
5	Accelerator mass spectrometry measurement of ²⁴⁰ Pu/ ²³⁹ Pu isotope ratios in Novaya Zemlya and Kara Sea sediments. <i>Applied Radiation and Isotopes</i> , 2004, 61, 249-253.	1.5	53
6	Effects of Chronic Gamma Irradiation on Reproduction in the Earthworm <i>Eisenia fetida</i> (Oligochaeta). <i>Radiation Research</i> , 2007, 168, 515-526.	1.5	51
7	Mobilisation of ¹³⁷ Cs and ⁹⁰ Sr from sediments: potential sources to arctic waters. <i>Science of the Total Environment</i> , 1997, 202, 155-165.	8.0	50
8	Under-determination of strontium-90 in soils containing particles of irradiated uranium oxide fuel. <i>Analyst, The</i> , 1993, 118, 1101.	3.5	46
9	Transport of low ²⁴⁰ Pu/ ²³⁹ Pu atom ratio plutonium-species in the Ob and Yenisey Rivers to the Kara Sea. <i>Earth and Planetary Science Letters</i> , 2006, 251, 33-43.	4.4	44
10	Comparison of two ICP-MS set-ups for measuring ⁹⁹ Tc in large volume water samples. <i>Analyst, The</i> , 2002, 127, 70-75.	3.5	37
11	Growth inhibition in <i>Raphidocelis subcapita</i> – Evidence of nanospecific toxicity of silver nanoparticles. <i>Chemosphere</i> , 2019, 221, 785-792.	8.2	33
12	Use of an aluminium-26 tracer to study the deposition of aluminium species on fish gills following mixing of limed and acidic waters. <i>Analyst, The</i> , 1992, 117, 619-621.	3.5	30
13	Long-range tropospheric transport of uranium and plutonium weapons fallout from Semipalatinsk nuclear test site to Norway. <i>Environment International</i> , 2013, 59, 92-102.	10.0	30
14	Association of plutonium with sediments from the Ob and Yenisey Rivers and Estuaries. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 290-300.	1.7	29
15	Characterizing the behavior, uptake, and toxicity of NM300K silver nanoparticles in <i>Caenorhabditis elegans</i> . <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1799-1810.	4.3	27
16	Population modelling to compare chronic external radiotoxicity between individual and population endpoints in four taxonomic groups. <i>Journal of Environmental Radioactivity</i> , 2016, 152, 46-59.	1.7	26
17	PLUTONIUM CONTAMINATION IN SOILS AND SEDIMENTS AT MAYAK PA, RUSSIA. <i>Health Physics</i> , 2005, 89, 255-266.	0.5	18
18	Bioavailability of CeO ₂ and SnO ₂ nanoparticles evaluated by dietary uptake in the earthworm <i>Eisenia fetida</i> and sequential extraction of soil and feed. <i>Chemosphere</i> , 2016, 162, 16-22.	8.2	17

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19	Genotoxic effects of high dose rate X-ray and low dose rate gamma radiation in <i>Apc^{Min/+}</i> mice. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 560-569.	2.2	17
20	From tangled banks to toxic bunnies; a reflection on the issues involved in developing an ecosystem approach for environmental radiation protection. <i>International Journal of Radiation Biology</i> , 2022, 98, 1185-1200.	1.8	17
21	In vivo assessment of silver nanoparticle induced reactive oxygen species reveals tissue specific effects on cellular redox status in the nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2020, 721, 137665.	8.0	12
22	Determination of technetium-99 using electrothermal vaporization inductively coupled plasma-mass spectrometry (ETV-ICP-MS) and NH ₄ OH as chemical modifier. <i>Journal of Environmental Radioactivity</i> , 2007, 98, 251-263.	1.7	11
23	Transfer of naturally occurring radionuclides from soil to wild forest flora in an area with enhanced legacy and natural radioactivity in Norway. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 350-363.	3.5	11
24	Adaptive tolerance to multigenerational silver nanoparticle (NM300K) exposure by the nematode <i>Caenorhabditis elegans</i> is associated with increased sensitivity to AgNO ₃ . <i>Nanotoxicology</i> , 2019, 13, 527-542.	3.0	6
25	Determination of aluminium-26 using a low-level liquid scintillation spectrometer. <i>Analyst</i> , 1992, 117, 435-438.	3.5	5
26	Perturbed transcriptional profiles after chronic low dose rate radiation in mice. <i>PLoS ONE</i> , 2021, 16, e0256667.	2.5	5
27	3.3. Influence of Physico-Chemical Forms on Transfer. <i>Studies in Environmental Science</i> , 1994, , 165-184.	0.0	4
28	Impact of multigenerational exposure to AgNO ₃ or NM300K Ag NPs on antioxidant defense and oxidative stress in <i>Caenorhabditis elegans</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 216, 112178.	6.0	4
29	Sources and Types of Uncertainties Associated with Radioactive Particles. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 269-279.	0.2	0