

# Jacqueline Garnier-Laplace

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,157  
citations

186265

28  
h-index

223800

46  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are radiosensitivity data derived from natural field conditions consistent with data from controlled exposures? A case study of Chernobyl wildlife chronically exposed to low dose rates. <i>Journal of Environmental Radioactivity</i> , 2013, 121, 12-21.	1.7	169
2	Protection of the environment from ionising radiation in a regulatory context (protect): proposed numerical benchmark values. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 1100-1108.	1.7	123
3	Fukushima Wildlife Dose Reconstruction Signals Ecological Consequences. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5077-5078.	10.0	116
4	Evaluation of radiation doses and associated risk from the Fukushima nuclear accident to marine biota and human consumers of seafood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10670-10675.	7.1	115
5	Effect of selenate on growth and photosynthesis of <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2007, 83, 149-158.	4.0	97
6	A multi-criteria weight of evidence approach for deriving ecological benchmarks for radioactive substances. <i>Journal of Radiological Protection</i> , 2010, 30, 215-233.	1.1	86
7	First Derivation of Predicted-No-Effect Values for Freshwater and Terrestrial Ecosystems Exposed to Radioactive Substances. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6498-6505.	10.0	85
8	Effects of chronic uranium exposure on life history and physiology of <i>Daphnia magna</i> over three successive generations. <i>Aquatic Toxicology</i> , 2010, 99, 309-319.	4.0	82
9	Toxicity of selenite in the unicellular green alga <i>Chlamydomonas reinhardtii</i> : Comparison between effects at the population and sub-cellular level. <i>Aquatic Toxicology</i> , 2005, 73, 65-78.	4.0	77
10	URANIUM COMPLEXATION AND UPTAKE BY A GREEN ALGA IN RELATION TO CHEMICAL SPECIATION: THE IMPORTANCE OF THE FREE URANYL ION. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 974.	4.3	75
11	METAL-PHYTOPLANKTON INTERACTIONS: MODELING THE EFFECT OF COMPETING IONS (H <sup>+</sup> , Ca <sup>2+</sup> , AND) Tj ETQq1 1 0.784314 rgBT	4.3	75
12	Effects of chronic external gamma irradiation on growth and reproductive success of <i>Daphnia magna</i> . <i>Journal of Environmental Radioactivity</i> , 2008, 99, 134-145.	1.7	57
13	A Probabilistic Assessment of the Chemical and Radiological Risks of Chronic Exposure to Uranium in Freshwater Ecosystems. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6684-6690.	10.0	57
14	Effects of radioactive contamination on Scots pines in the remote period after the Chernobyl accident. <i>Ecotoxicology</i> , 2011, 20, 1195-1208.	2.4	57
15	COMPARATIVE ANALYSIS OF GENE EXPRESSION IN BRAIN, LIVER, SKELETAL MUSCLES, AND GILLS OF ZEBRAFISH ( <i>DANIO RERIO</i> ) EXPOSED TO ENVIRONMENTALLY RELEVANT WATERBORNE URANIUM CONCENTRATIONS. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1271.	4.3	56
16	Effects of waterborne uranium on survival, growth, reproduction and physiological processes of the freshwater cladoceran <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2008, 86, 370-378.	4.0	51
17	The impact of the Fukushima nuclear accident on marine biota: Retrospective assessment of the first year and perspectives. <i>Science of the Total Environment</i> , 2014, 487, 143-153.	8.0	49
18	SELENITE TRANSPORT AND ITS INHIBITION IN THE UNICELLULAR GREEN ALGA <i>CHLAMYDOMONAS REINHARDTII</i> . <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1408.	4.3	46

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19	Radiological dose reconstruction for birds reconciles outcomes of Fukushima with knowledge of dose-effect relationships. <i>Scientific Reports</i> , 2015, 5, 16594.	3.3	46
20	The effects of database parameter uncertainty on uranium(VI) equilibrium calculations. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2183-2191.	3.9	44
21	Genotoxicity of uranium contamination in embryonic zebrafish cells. <i>Aquatic Toxicology</i> , 2012, 109, 11-16.	4.0	43
22	Assessing ecological effects of radionuclides: data gaps and extrapolation issues. <i>Journal of Radiological Protection</i> , 2004, 24, A139-A155.	1.1	41
23	VALVE CLOSURE RESPONSE TO URANIUM EXPOSURE FOR A FRESHWATER BIVALVE (CORBICULA FLUMINEA): QUANTIFICATION OF THE INFLUENCE OF pH. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1108.	4.3	39
24	Genotoxic damages in zebrafish submitted to a polymetallic gradient displayed by the Lot River (France). <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 974-983.	6.0	38
25	Effects of radionuclide contamination on leaf litter decomposition in the Chernobyl exclusion zone. <i>Science of the Total Environment</i> , 2016, 562, 596-603.	8.0	36
26	Mitochondrial energetic metabolism perturbations in skeletal muscles and brain of zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	34
27	Internal distribution of uranium and associated genotoxic damages in the chronically exposed bivalve <i>Corbicula fluminea</i> . <i>Journal of Environmental Radioactivity</i> , 2011, 102, 766-773.	1.7	33
28	SELENIUM BIOACCUMULATION IN CHLAMYDOMONAS REINHARDTII AND SUBSEQUENT TRANSFER TO CORBICULA FLUMINEA: ROLE OF SELENIUM SPECIATION AND BIVALVE VENTILATION. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2692.	4.3	32
29	Sublethal Effects of Waterborne Uranium Exposures on the Zebrafish Brain: Transcriptional Responses and Alterations of the Olfactory Bulb Ultrastructure. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1438-1443.	10.0	28
30	Laboratory and field assessment of uranium trophic transfer efficiency in the crayfish <i>Orconectes limosus</i> fed the bivalve <i>C. fluminea</i> . <i>Aquatic Toxicology</i> , 2005, 74, 372-383.	4.0	26
31	Bioaccumulation of waterborne selenium in the Asiatic clam <i>Corbicula fluminea</i> : influence of feeding-induced ventilatory activity and selenium species. <i>Aquatic Toxicology</i> , 2005, 72, 251-260.	4.0	23
32	Kinetic analysis of uranium accumulation in the bivalve <i>Corbicula fluminea</i> : effect of pH and direct exposure levels. <i>Aquatic Toxicology</i> , 2004, 68, 95-108.	4.0	20
33	Genotoxic and Reprotoxic Effects of Tritium and External Gamma Irradiation on Aquatic Animals. <i>Reviews of Environmental Contamination and Toxicology</i> , 2012, 220, 67-103.	1.3	20
34	Adverse outcome pathway: a path toward better data consolidation and global co-ordination of radiation research. <i>International Journal of Radiation Biology</i> , 2021, , 1-10.	1.8	17
35	MODULATION OF URANIUM BIOACCUMULATION BY HYPOXIA IN THE FRESHWATER CLAM CORBICULA FLUMINEA: INDUCTION OF MULTIXENOBIOTIC RESISTANCE PROTEIN AND HEAT SHOCK PROTEIN 60 IN GILL TISSUES. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2278.	4.3	16
36	EFFECT OF CARBON DIOXIDE ON URANIUM BIOACCUMULATION IN THE FRESHWATER CLAM CORBICULA FLUMINEA. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 739.	4.3	15

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37	Uranium accumulation and toxicity in the green alga <i>Chlamydomonas reinhardtii</i> is modulated by pH. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1372-1379.	4.3	14
38	Ecological risk assessment of mixtures of radiological and chemical stressors: Methodology to implement an msPAF approach. <i>Environmental Pollution</i> , 2017, 231, 1421-1432.	7.5	14
39	A simple fish physiological model for radioecologists exemplified for direct transfer and rainbow trout ( <i>Oncorhynchus mykiss</i> W.). <i>Journal of Environmental Radioactivity</i> , 2000, 49, 35-53.	1.7	13
40	Dose reconstruction supports the interpretation of decreased abundance of mammals in the Chernobyl Exclusion Zone. <i>Scientific Reports</i> , 2020, 10, 14083.	3.3	13
41	Modelling population-level consequences of chronic external gamma irradiation in aquatic invertebrates under laboratory conditions. <i>Science of the Total Environment</i> , 2012, 429, 206-214.	8.0	12
42	Estimating radiological exposure of wildlife in the field. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 105830.	1.7	11
43	The importance of deriving adequate wildlife benchmark values to optimize radiological protection in various environmental exposure situations. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 105902.	1.7	11
44	Establishing a communication and engagement strategy to facilitate the adoption of the adverse outcome pathways in radiation research and regulation. <i>International Journal of Radiation Biology</i> , 2022, 98, 1714-1721.	1.8	9
45	Biodynamics, Subcellular Partitioning, and Ultrastructural Effects of Organic Selenium in a Freshwater Bivalve. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2112-2117.	10.0	7
46	COMET strongly supported the development and implementation of medium-term topical research roadmaps consistent with the ALLIANCE Strategic Research Agenda. <i>Journal of Radiological Protection</i> , 2018, 38, 164-174.	1.1	7
47	Is non-human species radiosensitivity in the lab a good indicator of that in the field? Making the comparison more robust. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 105870.	1.7	7
48	Impact of hypoxia on hemolymph contamination by uranium in an aquatic animal, the freshwater clam <i>Corbicula fluminea</i> . <i>Environmental Pollution</i> , 2008, 156, 821-826.	7.5	5
49	A single indicator of noxiousness for people and ecosystems exposed to stable and radioactive substances. <i>Environmental Pollution</i> , 2019, 249, 560-565.	7.5	4
50	Answer to comments made by J. Smith on "non-human species radiosensitivity in the lab a good indicator of that in the field? Making the comparison more robust" by Beaugelin-Seiller et al. (2018). <i>Journal of Environmental Radioactivity</i> , 2020, 211, 105924.	1.7	3
51	An approach to identifying the relative importance of different radionuclides in ecological radiological risk assessment: Application to nuclear power plant releases. <i>Journal of Environmental Radioactivity</i> , 2019, 197, 116-126.	1.7	2
52	Transforming Acute Ecotoxicity Data into Chronic Data: A Statistical Method to Better Inform the Radiological Risk for Nonhuman Species. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12376-12382.	10.0	2
53	INFLUENCE OF METAL (Cd AND Zn) WATERBORNE EXPOSURE ON RADIONUCLIDE ( <sup>134</sup> Cs, <sup>110m</sup> Ag, AND <sup>57</sup> Co) BIOACCUMULATION BY RAINBOW TROUT ( <i>ONCORHYNCHUS MYKISS</i> ): A FIELD AND LABORATORY STUDY. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 619.	4.3	1
54	The future of our radiation protection profession. <i>Journal of Radiological Protection</i> , 2021, 41, S329-S341.	1.1	0

#	ARTICLE	IF	CITATIONS
55	Women in radiation (WiR)â€™a perspective for the strengthening of radiation protection. Journal of Radiological Protection, 2022, 42, 010502.	1.1	0