

# Jeffery A Steevens

## List of Publications by Citations

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84  
papers

3,176  
citations

29  
h-index

55  
g-index

89  
ext. papers

3,551  
ext. citations

5.1  
avg, IF

4.87  
L-index

#	Paper	IF	Citations
84	Ecotoxicity test methods for engineered nanomaterials: practical experiences and recommendations from the bench. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 15-31	3.8	240
83	Are harmful algal blooms becoming the greatest inland water quality threat to public health and aquatic ecosystems?. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 6-13	3.8	239
82	Factors influencing the partitioning and toxicity of nanotubes in the aquatic environment. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1932-41	3.8	164
81	Risk-based classification system of nanomaterials. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 757-766	2.3	161
80	Fractionating nanosilver: importance for determining toxicity to aquatic test organisms. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9571-7	10.3	155
79	Characterization of silver nanoparticles using flow-field flow fractionation interfaced to inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 4219-25	4.5	146
78	Multi-criteria decision analysis and environmental risk assessment for nanomaterials. <i>Journal of Nanoparticle Research</i> , <b>2007</b> , 9, 543-554	2.3	132
77	Potential for occupational exposure to engineered carbon-based nanomaterials in environmental laboratory studies. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 49-54	8.4	107
76	Surfactive stabilization of multi-walled carbon nanotube dispersions with dissolved humic substances. <i>Environmental Pollution</i> , <b>2009</b> , 157, 1081-7	9.3	91
75	Release of metal impurities from carbon nanomaterials influences aquatic toxicity. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4169-74	10.3	84
74	Impact of organic carbon on the stability and toxicity of fresh and stored silver nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10772-80	10.3	75
73	Comparison of on-line detectors for field flow fractionation analysis of nanomaterials. <i>Talanta</i> , <b>2013</b> , 104, 140-8	6.2	69
72	Differential effects and potential adverse outcomes of ionic silver and silver nanoparticles in vivo and in vitro. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4546-55	10.3	68
71	Assessing the fate and effects of nano aluminum oxide in the terrestrial earthworm, <i>Eisenia fetida</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1575-80	3.8	68
70	Toxicity of the explosives 2,4,6-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine in sediments to <i>Chironomus tentans</i> and <i>Hyalella azteca</i> : Low-dose hormesis and high-dose mortality. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1475-1488	3.8	68
69	Influence of nanotube preparation in aquatic bioassays. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 1930-8	3.8	67
68	Emerging methods and tools for environmental risk assessment, decision-making, and policy for nanomaterials: summary of NATO Advanced Research Workshop. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 513-527	2.3	65

67	Nondestructive, minimal-disturbance, direct-burial solid-phase microextraction fiber technique for measuring TNT in sediment. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 1625-32	10.3	55
66	Assessing the Ecological Risks of Per- and Polyfluoroalkyl Substances: Current State-of-the Science and a Proposed Path Forward. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 564-605	3.8	51
65	Simultaneous dispersion-dissolution behavior of concentrated silver nanoparticle suspensions in the presence of model organic solutes. <i>Chemosphere</i> , <b>2011</b> , 84, 1108-16	8.4	50
64	Comparing the effects of nanosilver size and coating variations on bioavailability, internalization, and elimination, using <i>Lumbriculus variegatus</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 2069-77	3.8	48
63	Gene expression profiles in fathead minnow exposed to 2,4-DNT: correlation with toxicity in mammals. <i>Toxicological Sciences</i> , <b>2006</b> , 94, 71-82	4.4	48
62	. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1475	3.8	46
61	A review of the tissue residue approach for organic and organometallic compounds in aquatic organisms. <i>Integrated Environmental Assessment and Management</i> , <b>2011</b> , 7, 50-74	2.5	44
60	Recommendations for the assessment of TNT toxicity in sediment. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 141-9	3.8	37
59	Tiered guidance for risk-informed environmental health and safety testing of nanotechnologies. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	35
58	Sediment toxicity and bioaccumulation of nano and micron-sized aluminum oxide. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 422-429	3.8	35
57	Effects of ultraviolet-B light and polyaromatic hydrocarbon exposure on sea urchin development and bacterial bioluminescence. <i>Marine Environmental Research</i> , <b>1999</b> , 48, 439-457	3.3	34
56	Predictive modeling of nanomaterial exposure effects in biological systems. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8 Suppl 1, 31-43	7.3	31
55	Toward Sustainable Environmental Quality: Priority Research Questions for North America. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 1606-1624	3.8	29
54	Gill histopathologies following exposure to nanosilver or silver nitrate. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2015</b> , 78, 301-15	3.2	28
53	A comparison of acute and chronic toxicity methods for marine sediments. <i>Marine Environmental Research</i> , <b>2009</b> , 68, 118-27	3.3	28
52	The role of metabolism in the toxicity of 2,4,6-trinitrotoluene and its degradation products to the aquatic amphipod <i>Hyaella azteca</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 70, 38-46	7	28
51	Time-dependent lethal body residues for the toxicity of pentachlorobenzene to <i>Hyaella azteca</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 1335-43	3.8	28
50	The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5620-5628	10.3	28

49	A methodology for deriving tissue residue benchmarks for aquatic biota: a case study for fish exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin and equivalents. <i>Integrated Environmental Assessment and Management</i> , <b>2005</b> , 1, 142-51	2.5	25
48	The challenges of nanotechnology risk management. <i>Nano Today</i> , <b>2015</b> , 10, 6-10	17.9	24
47	Time-dependent toxicity of dichlorodiphenyldichloroethylene to <i>Hyalella azteca</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 211-8	3.8	24
46	Sublethal effects of multiwalled carbon nanotube exposure in the invertebrate <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 200-4	3.8	24
45	Toxicity and bioaccumulation of 2,4,6-trinitrotoluene in fathead minnow ( <i>Pimephales promelas</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 3253-60	3.8	22
44	Determination of nanosilver dissolution kinetics and toxicity in an environmentally relevant aqueous medium. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1783-91	3.8	20
43	Modeling water and sediment contamination of Lake Pontchartrain following pump-out of Hurricane Katrina floodwater. <i>Journal of Environmental Management</i> , <b>2008</b> , 87, 429-42	7.9	19
42	Toxicokinetic interactions and survival of <i>Hyalella azteca</i> exposed to binary mixtures of chlorpyrifos, dieldrin, and methyl mercury. <i>Aquatic Toxicology</i> , <b>2001</b> , 51, 377-88	5.1	19
41	Evaluation of chronic toxicity of sodium chloride or potassium chloride to a unionid mussel ( <i>Lampsilis siliquoidea</i> ) in water exposures using standard and refined toxicity testing methods. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 3050-3062	3.8	18
40	Relative Sensitivity of Zebra Mussel ( <i>Dreissena polymorpha</i> ) Life-stages to Two Copper Sources. <i>Journal of Great Lakes Research</i> , <b>2006</b> , 32, 596-606	3	18
39	Solid phase microextraction fibers for estimating the toxicity of nitroaromatic compounds. <i>Aquatic Ecosystem Health and Management</i> , <b>2004</b> , 7, 387-397	1.4	17
38	Gaining a Critical Mass: A Dose Metric Conversion Case Study Using Silver Nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12490-9	10.3	16
37	Acute toxicity of sodium chloride and potassium chloride to a unionid mussel ( <i>Lampsilis siliquoidea</i> ) in water exposures. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 3041-3049	3.8	16
36	Fate and toxicity of CuO nanospheres and nanorods used in Al/CuO nanothermites before and after combustion. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11258-67	10.3	15
35	Biological Effects of Elevated Major Ions in Surface Water Contaminated by a Produced Water from Oil Production. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2019</b> , 76, 670-677	3.2	14
34	Environmental consequences of water pumped from greater New Orleans following Hurricane Katrina: chemical, toxicological, and infaunal analysis. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 2594-601	10.3	12
33	A weight-of-evidence approach to identify nanomaterials in consumer products: a case study of nanoparticles in commercial sunscreens. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 26-34	6.7	11
32	Assessing the exposure to nanosilver and silver nitrate on fathead minnow gill gene expression and mucus production. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2015</b> , 4, 58-66	3.3	11

31	A framework for using dose as a metric to assess toxicity of fish to PAHs. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 486-90	7	11
30	Stability of solid-phase selenium species in fly ash after prolonged submersion in a natural river system. <i>Chemosphere</i> , <b>2014</b> , 95, 174-81	8.4	10
29	Identification of silver nanoparticles in Pimephales promelas gastrointestinal tract and gill tissues using flow field flow fractionation ICP-MS. <i>RSC Advances</i> , <b>2014</b> , 4, 41277-41280	3.7	9
28	Alteration in Pimephales promelas mucus production after exposure to nanosilver or silver nitrate. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 2869-72	3.8	9
27	Impact assessment of dredging to remove coal fly ash at the Tennessee Valley Authority Kingston Fossil plant using fathead minnow elutriate exposures. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 822-30	3.8	9
26	Acute and Chronic Toxicity of Sodium Nitrate and Sodium Sulfate to Several Freshwater Organisms in Water-Only Exposures. <i>Environmental Toxicology and Chemistry</i> , <b>2020</b> , 39, 1071-1085	3.8	8
25	Toxicity of the explosives 2,4,6-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine, and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine in sediments to Chironomus tentans and Hyalella azteca: low-dose hormesis and high-dose mortality. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 1475-82	3.8	8
24	EHS Testing of Products Containing Nanomaterials: What is Nano Release?. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 11245-6	10.3	7
23	Evaluation of Acute and Chronic Toxicity of Nickel and Zinc to 2 Sensitive Freshwater Benthic Invertebrates Using Refined Testing Methods. <i>Environmental Toxicology and Chemistry</i> , <b>2020</b> , 39, 2256-2268	3.8	7
22	Nanomaterial environmental risk assessment. <i>Integrated Environmental Assessment and Management</i> , <b>2015</b> , 11, 333-5	2.5	6
21	Comparison of acute to chronic ratios between silver and gold nanoparticles, using Ceriodaphnia dubia. <i>Nanotoxicology</i> , <b>2017</b> , 11, 1127-1139	5.3	6
20	Assessment of lead uptake in reptilian prey species. <i>Chemosphere</i> , <b>2007</b> , 68, 1591-6	8.4	6
19	Interactions of chlorpyrifos and methyl mercury: a mechanistic approach to assess chemical mixtures. <i>Marine Environmental Research</i> , <b>2000</b> , 50, 113-7	3.3	6
18	Evaluation of reduced sediment volume procedures for acute toxicity tests using the estuarine amphipod Leptocheirus plumulosus. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 2769-76	3.8	5
17	NEIMiner: nanomaterial environmental impact data miner. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8 Suppl 1, 15-29	7.3	3
16	Hyalella azteca 10-day sediment toxicity test: Comparison of growth measurement endpoints <b>1998</b> , 13, 243-248		3
15	Toxicological evaluation of constructed wetland habitat sediments utilizing Hyalella azteca 10-day sediment toxicity test and bacterial bioluminescence. <i>Chemosphere</i> , <b>1998</b> , 36, 3167-80	8.4	3
14	Influence of remediation on sediment toxicity within the Grand Calumet River, Indiana, USA. <i>Chemosphere</i> , <b>2020</b> , 249, 126056	8.4	2

13	Effects of soot by-product from the synthesis of engineered metallofullerene nanomaterials on terrestrial invertebrates. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 1594	3.8	2
12	Influence of Dissolved Organic Carbon on the Acute Toxicity of Copper and Zinc to White Sturgeon ( <i>Acipenser transmontanus</i> ) and a Cladoceran ( <i>Ceriodaphnia dubia</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 2682-2687	3.8	2
11	Nanomaterials Ecotoxicology: A Case Study with Nanosilver <b>2014</b> , 117-151		2
10	Novel control and steady-state correction method for standard 28-day bioaccumulation tests using <i>Nereis virens</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 1366-75	3.8	2
9	Predictive modeling of nanomaterial biological effects <b>2012</b> ,		2
8	A preliminary exposure assessment of microcystins from consumption of drinking water in the United States. <i>Lake and Reservoir Management</i> , <b>2007</b> , 23, 203-210	1.3	2
7	Assessing Stressors in Coastal Ecosystems: An Approach to the Patient. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2001</b> , 7, 1447-1455	4.9	2
6	Sensitivity of Warm-Water Fishes and Rainbow Trout to Selected Contaminants. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2020</b> , 104, 321-326	2.7	1
5	Toxicogenomic assessment of the population level impacts of contaminants. <i>Integrated Environmental Assessment and Management</i> , <b>2007</b> , 3, 562-4	2.5	1
4	The Sensitivity of a Unionid Mussel ( <i>Lampsilis Siliquoidea</i> ) to a Permitted Effluent and Elevated Potassium in the Effluent. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 3410-3420	3.8	1
3	Method Development for a Short-Term 7-Day Toxicity Test with Unionid Mussels. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 3392-3409	3.8	1
2	Direct and Delayed Mortality of <i>Ceriodaphnia dubia</i> and Rainbow Trout Following Time-Varying Acute Exposures to Zinc. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 2484-2498	3.8	0
1	Modeling the Bioavailability of Nickel and Zinc to <i>Ceriodaphnia dubia</i> and <i>Neocloeon triangulifer</i> in Toxicity Tests with Natural Waters. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 3049-3062	3.8	0