Jeffery A Steevens

List of Publications by Year in Descending Order

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	The Role of Behavioral Ecotoxicology in Environmental Protection. *Environmental Science & Technology*, **2021**, 55, 5620-5628	10.3	28
83	Assessing the Ecological Risks of Per- and Polyfluoroalkyl Substances: Current State-of-the Science and a Proposed Path Forward. *Environmental Toxicology and Chemistry*, **2021**, 40, 564-605	3.8	51
82	Direct and Delayed Mortality of Ceriodaphnia dubia and Rainbow Trout Following Time-Varying Acute Exposures to Zinc. *Environmental Toxicology and Chemistry*, **2021**, 40, 2484-2498	3.8	0
81	The Sensitivity of a Unionid Mussel (Lampsilis Siliquoidea) to a Permitted Effluent and Elevated Potassium in the Effluent. *Environmental Toxicology and Chemistry*, **2021**, 40, 3410-3420	3.8	1
80	Method Development for a Short-Term 7-Day Toxicity Test with Unionid Mussels. *Environmental Toxicology and Chemistry*, **2021**, 40, 3392-3409	3.8	1
79	Modeling the Bioavailability of Nickel and Zinc to Ceriodaphnia dubia and Neocloeon triangulifer in Toxicity Tests with Natural Waters. *Environmental Toxicology and Chemistry*, **2021**, 40, 3049-3062	3.8	0
78	Sensitivity of Warm-Water Fishes and Rainbow Trout to Selected Contaminants. *Bulletin of Environmental Contamination and Toxicology*, **2020**, 104, 321-326	2.7	1
77	Acute and Chronic Toxicity of Sodium Nitrate and Sodium Sulfate to Several Freshwater Organisms in Water-Only Exposures. *Environmental Toxicology and Chemistry*, **2020**, 39, 1071-1085	3.8	8
76	Influence of remediation on sediment toxicity within the Grand Calumet River, Indiana, USA. *Chemosphere*, **2020**, 249, 126056	8.4	2
75	Evaluation of Acute and Chronic Toxicity of Nickel and Zinc to 2 Sensitive Freshwater Benthic Invertebrates Using Refined Testing Methods. *Environmental Toxicology and Chemistry*, **2020**, 39, 2256-2268	3.8	7
74	Biological Effects of Elevated Major Ions in Surface Water Contaminated by a Produced Water from Oil Production. *Archives of Environmental Contamination and Toxicology*, **2019**, 76, 670-677	3.2	14
73	Toward Sustainable Environmental Quality: Priority Research Questions for North America. *Environmental Toxicology and Chemistry*, **2019**, 38, 1606-1624	3.8	29
72	Influence of Dissolved Organic Carbon on the Acute Toxicity of Copper and Zinc to White Sturgeon (Acipenser transmontanus) and a Cladoceran (Ceriodaphnia dubia). *Environmental Toxicology and Chemistry*, **2019**, 38, 2682-2687	3.8	2
71	Effects of soot by-product from the synthesis of engineered metallofullerene nanomaterials on terrestrial invertebrates. *Environmental Toxicology and Chemistry*, **2018**, 37, 1594	3.8	2
70	Evaluation of chronic toxicity of sodium chloride or potassium chloride to a unionid mussel (Lampsilis siliquoidea) in water exposures using standard and refined toxicity testing methods. *Environmental Toxicology and Chemistry*, **2018**, 37, 3050-3062	3.8	18
69	Acute toxicity of sodium chloride and potassium chloride to a unionid mussel (Lampsilis siliquoidea) in water exposures. *Environmental Toxicology and Chemistry*, **2018**, 37, 3041-3049	3.8	16
68	Comparison of acute to chronic ratios between silver and gold nanoparticles, using Ceriodaphnia dubia. *Nanotoxicology*, **2017**, 11, 1127-1139	5.3	6

67	A weight-of-evidence approach to identify nanomaterials in consumer products: a case study of nanoparticles in commercial sunscreens. *Journal of Exposure Science and Environmental Epidemiology*, **2016**, 26, 26-34	6.7	11
66	Are harmful algal blooms becoming the greatest inland water quality threat to public health and aquatic ecosystems?. *Environmental Toxicology and Chemistry*, **2016**, 35, 6-13	3.8	239
65	Sublethal effects of multiwalled carbon nanotube exposure in the invertebrate Daphnia magna. *Environmental Toxicology and Chemistry*, **2016**, 35, 200-4	3.8	24
64	Gill histopathologies following exposure to nanosilver or silver nitrate. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2015**, 78, 301-15	3.2	28
63	Tiered guidance for risk-informed environmental health and safety testing of nanotechnologies. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	35
62	Nanomaterial environmental risk assessment. *Integrated Environmental Assessment and Management*, **2015**, 11, 333-5	2.5	6
61	Gaining a Critical Mass: A Dose Metric Conversion Case Study Using Silver Nanoparticles. *Environmental Science & Technology*, **2015**, 49, 12490-9	10.3	16
60	EHS Testing of Products Containing Nanomaterials: What is Nano Release?. *Environmental Science & Technology*, **2015**, 49, 11245-6	10.3	7
59	The challenges of nanotechnology risk management. *Nano Today*, **2015**, 10, 6-10	17.9	24
58	Assessing the exposure to nanosilver and silver nitrate on fathead minnow gill gene expression and mucus production. *Environmental Nanotechnology, Monitoring and Management*, **2015**, 4, 58-66	3.3	11
57	Determination of nanosilver dissolution kinetics and toxicity in an environmentally relevant aqueous medium. *Environmental Toxicology and Chemistry*, **2014**, 33, 1783-91	3.8	20
56	Identification of silver nanoparticles in Pimephales promelas gastrointestinal tract and gill tissues using flow field flow fractionation ICP-MS. *RSC Advances*, **2014**, 4, 41277-41280	3.7	9
55	Alteration in Pimephales promelas mucus production after exposure to nanosilver or silver nitrate. *Environmental Toxicology and Chemistry*, **2014**, 33, 2869-72	3.8	9
54	Stability of solid-phase selenium species in fly ash after prolonged submersion in a natural river system. *Chemosphere*, **2014**, 95, 174-81	8.4	10
53	Differential effects and potential adverse outcomes of ionic silver and silver nanoparticles in vivo and in vitro. *Environmental Science & Technology*, **2014**, 48, 4546-55	10.3	68
52	Nanomaterials Ecotoxicology: A Case Study with Nanosilver **2014**, 117-151		2
51	Fate and toxicity of CuO nanospheres and nanorods used in Al/CuO nanothermites before and after combustion. *Environmental Science & Technology*, **2013**, 47, 11258-67	10.3	15
50	Comparison of on-line detectors for field flow fractionation analysis of nanomaterials. *Talanta*, **2013**, 104, 140-8	6.2	69

49	Impact assessment of dredging to remove coal fly ash at the Tennessee Valley Authority Kingston Fossil plant using fathead minnow elutriate exposures. *Environmental Toxicology and Chemistry*, **2013**, 32, 822-30	3.8	9
48	Comparing the effects of nanosilver size and coating variations on bioavailability, internalization, and elimination, using Lumbriculus variegatus. *Environmental Toxicology and Chemistry*, **2013**, 32, 2069-77	3.8	48
47	NEIMiner: nanomaterial environmental impact data miner. *International Journal of Nanomedicine*, **2013**, 8 Suppl 1, 15-29	7.3	3
46	Predictive modeling of nanomaterial exposure effects in biological systems. *International Journal of Nanomedicine*, **2013**, 8 Suppl 1, 31-43	7.3	31
45	Ecotoxicity test methods for engineered nanomaterials: practical experiences and recommendations from the bench. *Environmental Toxicology and Chemistry*, **2012**, 31, 15-31	3.8	240
44	Impact of organic carbon on the stability and toxicity of fresh and stored silver nanoparticles. *Environmental Science & Technology*, **2012**, 46, 10772-80	10.3	75
43	Predictive modeling of nanomaterial biological effects **2012**,		2
42	Simultaneous dispersion-dissolution behavior of concentrated silver nanoparticle suspensions in the presence of model organic solutes. *Chemosphere*, **2011**, 84, 1108-16	8.4	50
41	Novel control and steady-state correction method for standard 28-day bioaccumulation tests using Nereis virens. *Environmental Toxicology and Chemistry*, **2011**, 30, 1366-75	3.8	2
40	A review of the tissue residue approach for organic and organometallic compounds in aquatic organisms. *Integrated Environmental Assessment and Management*, **2011**, 7, 50-74	2.5	44
39	Characterization of silver nanoparticles using flow-field flow fractionation interfaced to inductively coupled plasma mass spectrometry. *Journal of Chromatography A*, **2011**, 1218, 4219-25	4.5	146
38	Potential for occupational exposure to engineered carbon-based nanomaterials in environmental laboratory studies. *Environmental Health Perspectives*, **2010**, 118, 49-54	8.4	107
37	Fractionating nanosilver: importance for determining toxicity to aquatic test organisms. *Environmental Science & Technology*, **2010**, 44, 9571-7	10.3	155
36	A framework for using dose as a metric to assess toxicity of fish to PAHs. *Ecotoxicology and Environmental Safety*, **2010**, 73, 486-90	7	11
35	Sediment toxicity and bioaccumulation of nano and micron-sized aluminum oxide. *Environmental Toxicology and Chemistry*, **2010**, 29, 422-429	3.8	35
34	Assessing the fate and effects of nano aluminum oxide in the terrestrial earthworm, Eisenia fetida. *Environmental Toxicology and Chemistry*, **2010**, 29, 1575-80	3.8	68
33	Evaluation of reduced sediment volume procedures for acute toxicity tests using the estuarine amphipod Leptocheirus plumulosus. *Environmental Toxicology and Chemistry*, **2010**, 29, 2769-76	3.8	5
32	Emerging methods and tools for environmental risk assessment, decision-making, and policy for nanomaterials: summary of NATO Advanced Research Workshop. *Journal of Nanoparticle Research*, **2009**, 11, 513-527	2.3	65

31	Risk-based classification system of nanomaterials. *Journal of Nanoparticle Research*, **2009**, 11, 757-766	2.3	161
30	Influence of nanotube preparation in aquatic bioassays. *Environmental Toxicology and Chemistry*, **2009**, 28, 1930-8	3.8	67
29	Release of metal impurities from carbon nanomaterials influences aquatic toxicity. *Environmental Science & Technology*, **2009**, 43, 4169-74	10.3	84
28	Surfactive stabilization of multi-walled carbon nanotube dispersions with dissolved humic substances. *Environmental Pollution*, **2009**, 157, 1081-7	9.3	91
27	A comparison of acute and chronic toxicity methods for marine sediments. *Marine Environmental Research*, **2009**, 68, 118-27	3.3	28
26	The role of metabolism in the toxicity of 2,4,6-trinitrotoluene and its degradation products to the aquatic amphipod Hyalella azteca. *Ecotoxicology and Environmental Safety*, **2008**, 70, 38-46	7	28
25	Modeling water and sediment contamination of Lake Pontchartrain following pump-out of Hurricane Katrina floodwater. *Journal of Environmental Management*, **2008**, 87, 429-42	7.9	19
24	Factors influencing the partitioning and toxicity of nanotubes in the aquatic environment. *Environmental Toxicology and Chemistry*, **2008**, 27, 1932-41	3.8	164
23	Environmental consequences of water pumped from greater New Orleans following Hurricane Katrina: chemical, toxicological, and infaunal analysis. *Environmental Science & Technology*, **2007**, 41, 2594-601	10.3	12
22	Toxicogenomic assessment of the population level impacts of contaminants. *Integrated Environmental Assessment and Management*, **2007**, 3, 562-4	2.5	1
21	Multi-criteria decision analysis and environmental risk assessment for nanomaterials. *Journal of Nanoparticle Research*, **2007**, 9, 543-554	2.3	132
20	A preliminary exposure assessment of microcystins from consumption of drinking water in the United States. *Lake and Reservoir Management*, **2007**, 23, 203-210	1.3	2
19	Assessment of lead uptake in reptilian prey species. *Chemosphere*, **2007**, 68, 1591-6	8.4	6
18	Gene expression profiles in fathead minnow exposed to 2,4-DNT: correlation with toxicity in mammals. *Toxicological Sciences*, **2006**, 94, 71-82	4.4	48
17	Relative Sensitivity of Zebra Mussel (Dreissena polymorpha) Life-stages to Two Copper Sources. *Journal of Great Lakes Research*, **2006**, 32, 596-606	3	18
16	Toxicity and bioaccumulation of 2,4,6-trinitrotoluene in fathead minnow (Pimephales promelas). *Environmental Toxicology and Chemistry*, **2006**, 25, 3253-60	3.8	22
15	Time-dependent toxicity of dichlorodiphenyldichloroethylene to Hyalella azteca. *Environmental Toxicology and Chemistry*, **2005**, 24, 211-8	3.8	24
14	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. *Integrated Environmental Assessment and Management*, **2005**, 1, 142-51	2.5	25

13	Solid phase microextraction fibers for estimating the toxicity of nitroaromatic compounds. *Aquatic Ecosystem Health and Management*, **2004**, 7, 387-397	1.4	17
12	Recommendations for the assessment of TNT toxicity in sediment. *Environmental Toxicology and Chemistry*, **2004**, 23, 141-9	3.8	37
11	Time-dependent lethal body residues for the toxicity of pentachlorobenzene to Hyalella azteca. *Environmental Toxicology and Chemistry*, **2004**, 23, 1335-43	3.8	28
10	Nondestructive, minimal-disturbance, direct-burial solid-phase microextraction fiber technique for measuring TNT in sediment. *Environmental Science & Technology*, **2003**, 37, 1625-32	10.3	55
9	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. *Environmental Toxicology and Chemistry*, **2002**, 21, 1475-1482	3.8	68
8	. *Environmental Toxicology and Chemistry*, **2002**, 21, 1475	3.8	46
7	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. *Environmental Toxicology and Chemistry*, **2002**, 21, 1475-82	3.8	8
6	Assessing Stressors in Coastal Ecosystems: An Approach to the Patient. *Human and Ecological Risk Assessment (HERA)*, **2001**, 7, 1447-1455	4.9	2
5	Toxicokinetic interactions and survival of Hyalella azteca exposed to binary mixtures of chlorpyrifos, dieldrin, and methyl mercury. *Aquatic Toxicology*, **2001**, 51, 377-88	5.1	19
4	Interactions of chlorpyrifos and methyl mercury: a mechanistic approach to assess chemical mixtures. *Marine Environmental Research*, **2000**, 50, 113-7	3.3	6
3	Effects of ultraviolet-B light and polyaromatic hydrocarbon exposure on sea urchin development and bacterial bioluminescence. *Marine Environmental Research*, **1999**, 48, 439-457	3.3	34
2	Hyalella azteca 10-day sediment toxicity test: Comparison of growth measurement endpoints **1998**, 13, 243-248		3
1	Toxicological evaluation of constructed wetland habitat sediments utilizing Hyalella azteca 10-day sediment toxicity test and bacterial bioluminescence. *Chemosphere*, **1998**, 36, 3167-80	8.4	3