

Jeffery A Steevens

List of Publications by Year in descending order

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87
papers

3,950
citations

126858

33
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123376

61
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89
all docs

89
docs citations

89
times ranked

5020
citing authors

#	ARTICLE	IF	CITATIONS
1	Are harmful algal blooms becoming the greatest inland water quality threat to public health and aquatic ecosystems?. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 6-13.	2.2	380
2	Ecotoxicity test methods for engineered nanomaterials: Practical experiences and recommendations from the bench. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 15-31.	2.2	273
3	Risk-based classification system of nanomaterials. <i>Journal of Nanoparticle Research</i> , 2009, 11, 757-766.	0.8	178
4	Factors influencing the partitioning and toxicity of nanotubes in the aquatic environment. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1932-1941.	2.2	174
5	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> , 2021, 40, 564-605.	2.2	166
6	Fractionating Nanosilver: Importance for Determining Toxicity to Aquatic Test Organisms. <i>Environmental Science & Technology</i> , 2010, 44, 9571-9577.	4.6	163
7	Characterization of silver nanoparticles using flow-field flow fractionation interfaced to inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 4219-4225.	1.8	155
8	Multi-criteria decision analysis and environmental risk assessment for nanomaterials. <i>Journal of Nanoparticle Research</i> , 2007, 9, 543-554.	0.8	152
9	Potential for Occupational Exposure to Engineered Carbon-Based Nanomaterials in Environmental Laboratory Studies. <i>Environmental Health Perspectives</i> , 2010, 118, 49-54.	2.8	114
10	The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science & Technology</i> , 2021, 55, 5620-5628.	4.6	101
11	Surfactive stabilization of multi-walled carbon nanotube dispersions with dissolved humic substances. <i>Environmental Pollution</i> , 2009, 157, 1081-1087.	3.7	95
12	Release of Metal Impurities from Carbon Nanomaterials Influences Aquatic Toxicity. <i>Environmental Science & Technology</i> , 2009, 43, 4169-4174.	4.6	91
13	Assessing the fate and effects of nano aluminum oxide in the terrestrial earthworm, <i>Eisenia fetida</i> . <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1575-1580.	2.2	86
14	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> , 2002, 21, 1475-1482.	2.2	80
15	Comparison of on-line detectors for field flow fractionation analysis of nanomaterials. <i>Talanta</i> , 2013, 104, 140-148.	2.9	79
16	Differential Effects and Potential Adverse Outcomes of Ionic Silver and Silver Nanoparticles in Vivo and in Vitro. <i>Environmental Science & Technology</i> , 2014, 48, 4546-4555.	4.6	79
17	Impact of Organic Carbon on the Stability and Toxicity of Fresh and Stored Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2012, 46, 10772-10780.	4.6	78
18	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> , 2009, 11, 513-527.	0.8	74

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19	Influence of nanotube preparation in Aquatic Bioassays. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1930-1938.	2.2	71
20	Nondestructive, Minimal-Disturbance, Direct-Burial Solid-Phase Microextraction Fiber Technique for Measuring TNT in Sediment. <i>Environmental Science & Technology</i> , 2003, 37, 1625-1632.	4.6	61
21	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> , 2013, 32, 2069-2077.	2.2	54
22	Gene Expression Profiles in Fathead Minnow Exposed to 2,4-DNT: Correlation with Toxicity in Mammals. <i>Toxicological Sciences</i> , 2006, 94, 71-82.	1.4	53
23	A review of the tissue residue approach for organic and organometallic compounds in aquatic organisms. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 50-74.	1.6	52
24	Simultaneous dispersionâdissolution behavior of concentrated silver nanoparticle suspensions in the presence of model organic solutes. <i>Chemosphere</i> , 2011, 84, 1108-1116.	4.2	50
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> , 2002, 21, 1475.	2.2	46
26	Sediment toxicity and bioaccumulation of nano and micron-sized aluminum oxide. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 422-429.	2.2	43
27	In some places, in some cases, and at some times, harmful algal blooms are the greatest threat to inland water quality. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1125-1127.	2.2	43
28	Toward Sustainable Environmental Quality: Priority Research Questions for North America. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1606-1624.	2.2	43
29	RECOMMENDATIONS FOR THE ASSESSMENT OF TNT TOXICITY IN SEDIMENT. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 141.	2.2	41
30	Predictive modeling of nanomaterial exposure effects in biological systems. <i>International Journal of Nanomedicine</i> , 2013, 8 Suppl 1, 31.	3.3	40
31	Effects of ultraviolet-B light and polyaromatic hydrocarbon exposure on sea urchin development and bacterial bioluminescence. <i>Marine Environmental Research</i> , 1999, 48, 439-457.	1.1	39
32	Tiered guidance for risk-informed environmental health and safety testing of nanotechnologies. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	37
33	The role of metabolism in the toxicity of 2,4,6-trinitrotoluene and its degradation products to the aquatic amphipod <i>Hyalella azteca</i> . <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 38-46.	2.9	36
34	TIME-DEPENDENT LETHAL BODY RESIDUES FOR THE TOXICITY OF PENTACHLOROBENZENE TO HYALELLA AZTECA. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1335.	2.2	33
35	Gill Histopathologies Following Exposure to Nanosilver or Silver Nitrate. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015, 78, 301-315.	1.1	33
36	Sublethal effects of multiwalled carbon nanotube exposure in the invertebrate <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 200-204.	2.2	33

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37	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.	1.6	31
38	Acute toxicity of sodium chloride and potassium chloride to a unionid mussel (<i>Lampsilis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	2.2	29
39	A comparison of acute and chronic toxicity methods for marine sediments. Marine Environmental Research, 2009, 68, 118-127.	1.1	28
40	The challenges of nanotechnology risk management. Nano Today, 2015, 10, 6-10.	6.2	28
41	TIME-DEPENDENT TOXICITY OF DICHLORODIPHENYLDICHLOROETHYLENE TO HYALELLA AZTECA. Environmental Toxicology and Chemistry, 2005, 24, 211.	2.2	27
42	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. Environmental Toxicology and Chemistry, 2018, 37, 3050-3062.	2.2	27
43	TOXICITY AND BIOACCUMULATION OF 2,4,6-TRINITROTOLUENE IN FATHEAD MINNOW (PIMEPHALES) Tj ETQq1 1 0.784314 rgBT /Over	2.2	27
44	Determination of nanosilver dissolution kinetics and toxicity in an environmentally relevant aqueous medium. Environmental Toxicology and Chemistry, 2014, 33, 1783-1791.	2.2	24
45	Solid phase microextraction fibers for estimating the toxicity of nitroaromatic compounds. Aquatic Ecosystem Health and Management, 2004, 7, 387-397.	0.3	23
46	Modeling water and sediment contamination of Lake Pontchartrain following pump-out of Hurricane Katrina floodwater. Journal of Environmental Management, 2008, 87, 429-442.	3.8	23
47	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.	2.1	23
48	Relative Sensitivity of Zebra Mussel (<i>Dreissena polymorpha</i>) Life-stages to Two Copper Sources. Journal of Great Lakes Research, 2006, 32, 596-606.	0.8	22
49	Toxicokinetic interactions and survival of <i>Hyalella azteca</i> exposed to binary mixtures of chlorpyrifos, dieldrin, and methyl mercury. Aquatic Toxicology, 2001, 51, 377-388.	1.9	21
50	Gaining a Critical Mass: A Dose Metric Conversion Case Study Using Silver Nanoparticles. Environmental Science & Technology, 2015, 49, 12490-12499.	4.6	21
51	Fate and Toxicity of CuO Nanospheres and Nanorods used in Al/CuO Nanothermites Before and After Combustion. Environmental Science & Technology, 2013, 47, 11258-11267.	4.6	16
52	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.	2.2	15
53	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.	1.7	14
54	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.	1.8	13

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55	Acute and Chronic Toxicity of Sodium Nitrate and Sodium Sulfate to Several Freshwater Organisms in Water—Only Exposures. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1071-1085.	2.2	13
56	Environmental Consequences of Water Pumped from Greater New Orleans Following Hurricane Katrina: A Chemical, Toxicological, and Infaunal Analysis. <i>Environmental Science & Technology</i> , 2007, 41, 2594-2601.	4.6	12
57	A framework for using dose as a metric to assess toxicity of fish to PAHs. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 486-490.	2.9	11
58	Identification of silver nanoparticles in <i>Pimephales promelas</i> gastrointestinal tract and gill tissues using flow field flow fractionation ICP-MS. <i>RSC Advances</i> , 2014, 4, 41277-41280.	1.7	11
59	Stability of solid-phase selenium species in fly ash after prolonged submersion in a natural river system. <i>Chemosphere</i> , 2014, 95, 174-181.	4.2	11
60	Alteration in <i>Pimephales promelas</i> mucus production after exposure to nanosilver or silver nitrate. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2869-2872.	2.2	10
61	Comparison of acute to chronic ratios between silver and gold nanoparticles, using <i>Ceriodaphnia dubia</i> . <i>Nanotoxicology</i> , 2017, 11, 1127-1139.	1.6	10
62	Influence of remediation on sediment toxicity within the Grand Calumet River, Indiana, USA. <i>Chemosphere</i> , 2020, 249, 126056.	4.2	10
63	Modeling the Bioavailability of Nickel and Zinc to <i>Ceriodaphnia dubia</i> and <i>Neocleon triangulifer</i> in Toxicity Tests with Natural Waters. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3049-3062.	2.2	10
64	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> , 2013, 32, 822-830.	2.2	9
65	EHS Testing of Products Containing Nanomaterials: What is Nano Release?. <i>Environmental Science & Technology</i> , 2015, 49, 11245-11246.	4.6	9
66	Interactions of chlorpyrifos and methyl mercury: a mechanistic approach to assess chemical mixtures. <i>Marine Environmental Research</i> , 2000, 50, 113-117.	1.1	8
67	NEI Miner: nanomaterial environmental impact data miner. <i>International Journal of Nanomedicine</i> , 2013, 8 Suppl 1, 15.	3.3	8
68	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> , 2002, 21, 1475-82.	2.2	8
69	<i>Hyalella azteca</i> 10-day sediment toxicity test: Comparison of growth measurement endpoints. , 1998, 13, 243-248.		7
70	Assessment of lead uptake in reptilian prey species. <i>Chemosphere</i> , 2007, 68, 1591-1596.	4.2	7
71	Nanomaterial environmental risk assessment. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 333-335.	1.6	7
72	Evaluation of reduced sediment volume procedures for acute toxicity tests using the estuarine amphipod <i>Leptocheirus plumulosus</i> . <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2769-2776.	2.2	5

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73	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> , 2021, 40, 3410-3420.	2.2	5
74	Assessing Stressors in Coastal Ecosystems: An Approach to the Patient. <i>Human and Ecological Risk Assessment (HERA)</i> , 2001, 7, 1447-1455.	1.7	4
75	<i>Nanomaterials Ecotoxicology</i> . , 2014, , 117-151.		4
76	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> , 2019, 38, 2682-2687.	2.2	4
77	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> , 2021, 40, 2484-2498.	2.2	4
78	Toxicological evaluation of constructed wetland habitat sediments utilizing 10-day sediment toxicity test and bacterial bioluminescence. <i>Chemosphere</i> , 1998, 36, 3167-3180.	4.2	3
79	A preliminary exposure assessment of microcystins from consumption of drinking water in the United States. <i>Lake and Reservoir Management</i> , 2007, 23, 203-210.	0.4	3
80	Novel control and steady-state correction method for standard 28-day bioaccumulation tests using <i>Nereis virens</i> . <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1366-1375.	2.2	3
81	Predictive modeling of nanomaterial biological effects. , 2012, , .		3
82	Effects of soot by-product from the synthesis of engineered metallofullerene nanomaterials on terrestrial invertebrates. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1594-1605.	2.2	3
83	Sensitivity of Warm-Water Fishes and Rainbow Trout to Selected Contaminants. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 321-326.	1.3	3
84	Method Development for a Short-Term 7-Day Toxicity Test with Unionid Mussels. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3392-3409.	2.2	2
85	Toxicogenomic assessment of the population level impacts of contaminants. <i>Integrated Environmental Assessment and Management</i> , 2007, 3, 562-564.	1.6	1
86	NEIMiner: A model driven data mining system for studying environmental impact of nanomaterials. , 2012, , .		1
87	Interlaboratory Comparison of Three Sediment Bioaccumulation Tests. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1260-1275.	2.2	1