

# Stephen J Klaine

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

7,646  
citations

36  
h-index

71  
g-index

71  
ext. papers

8,195  
ext. citations

4.7  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
70	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1825-51	3.8	2098
69	Ecological risk assessment of atrazine in North American surface waters. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 31-76	3.8	788
68	Potential scenarios for nanomaterial release and subsequent alteration in the environment. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 50-9	3.8	457
67	Analysis of engineered nanomaterials in complex matrices (environment and biota): general considerations and conceptual case studies. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 32-49	3.8	355
66	Translocation of C60 and its derivatives across a lipid bilayer. <i>Nano Letters</i> , <b>2007</b> , 7, 614-9	11.5	338
65	Responses of <i>Hyalella azteca</i> to acute and chronic microplastic exposures. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 2564-72	3.8	302
64	In vivo biomodification of lipid-coated carbon nanotubes by <i>Daphnia magna</i> . <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 3025-9	10.3	284
63	Paradigms to assess the environmental impact of manufactured nanomaterials. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 3-14	3.8	263
62	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
61	Oxidative stress responses of <i>Daphnia magna</i> exposed to TiO <sub>2</sub> nanoparticles according to size fraction. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 2268-72	10.2	177
60	Behavioral and biochemical responses of hybrid striped bass during and after fluoxetine exposure. <i>Aquatic Toxicology</i> , <b>2008</b> , 88, 207-13	5.1	155
59	Nanomaterials in the aquatic environment: A European Union-United States perspective on the status of ecotoxicity testing, research priorities, and challenges ahead. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1055-67	3.8	119
58	Biotic and abiotic interactions in aquatic microcosms determine fate and toxicity of Ag nanoparticles: part 2-toxicity and Ag speciation. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 6925-33	10.3	117
57	Trophic transfer of microplastics in aquatic ecosystems: Identifying critical research needs. <i>Integrated Environmental Assessment and Management</i> , <b>2017</b> , 13, 505-509	2.5	110
56	The influence of natural organic matter on the toxicity of multiwalled carbon nanotubes. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 2511-8	3.8	98
55	Silver nanoparticle toxicity to <i>Daphnia magna</i> is a function of dissolved silver concentration. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 2356-64	3.8	93
54	Influence of multiwalled carbon nanotubes dispersed in natural organic matter on speciation and bioavailability of copper. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 8979-84	10.3	76

53	Response of <i>Daphnia magna</i> to pulsed exposures of chlorpyrifos. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 423-431	3.8	73
52	Implications of pulsed chemical exposures for aquatic life criteria and wastewater permit limits. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 5132-8	10.3	65
51	Influence of water quality on silver toxicity to rainbow trout ( <i>Oncorhynchus mykiss</i> ), fathead minnows ( <i>Pimephales promelas</i> ), and water fleas ( <i>Daphnia magna</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 63-70	3.8	59
50	Interactions of gold nanoparticles with freshwater aquatic macrophytes are size and species dependent. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 194-201	3.8	58
49	Effects of the antidepressant venlafaxine on fish brain serotonin and predation behavior. <i>Aquatic Toxicology</i> , <b>2014</b> , 148, 130-8	5.1	57
48	Acute toxicity of a mixture of copper and single-walled carbon nanotubes to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 122-6	3.8	57
47	Microscopic investigation of single-wall carbon nanotube uptake by <i>Daphnia magna</i> . <i>Nanotoxicology</i> , <b>2014</b> , 8 Suppl 1, 2-10	5.3	54
46	Influence of natural organic matter source on copper toxicity to larval fathead minnows ( <i>Pimephales promelas</i> ): implications for the biotic ligand model. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 1567-74	3.8	53
45	Nitrogen and Phosphorus Remediation by Three Floating Aquatic Macrophytes in Greenhouse-Based Laboratory-Scale Subsurface Constructed Wetlands. <i>Water, Air, and Soil Pollution</i> , <b>2009</b> , 197, 223-232	2.6	52
44	The effects of continuous and pulsed exposures of suspended clay on the survival, growth, and reproduction of <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 168-75	3.8	52
43	Influence of pH, hardness, dissolved organic carbon concentration, and dissolved organic matter source on the acute toxicity of copper to <i>Daphnia magna</i> in soft waters: implications for the biotic ligand model. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 1663-70	3.8	48
42	Nutrient attenuation by a riparian wetland during natural and artificial runoff events. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 1720-31	3.4	47
41	Influence of multiple water-quality characteristics on copper toxicity to fathead minnows ( <i>Pimephales promelas</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 2900-5	3.8	41
40	Partitioning behavior and the mobility of chlordane in groundwater. <i>Environmental Science &amp; Technology</i> , <b>1992</b> , 26, 2234-2239	10.3	41
39	Tracking and quantification of single-walled carbon nanotubes in fish using near infrared fluorescence. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1973-83	10.3	40
38	Interactions of metal-based engineered nanoparticles with aquatic higher plants: A review of the state of current knowledge. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 1677-94	3.8	40
37	Mechanisms of nutrient attenuation in a subsurface flow riparian wetland. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 1732-7	3.4	38
36	Influence of Nitrite and Chloride Concentrations on Survival and Hematological Profiles of Striped Bass. <i>Transactions of the American Fisheries Society</i> , <b>1991</b> , 120, 247-254	1.7	37

35	Influence of organism age on metal toxicity to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 1198-204	3.8	36
34	Detection of phospholipid-carbon nanotube translocation using fluorescence energy transfer. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 143118	3.4	35
33	Effect of pulse frequency and interval on the toxicity of chlorpyrifos to <i>Daphnia magna</i> . <i>Chemosphere</i> , <b>2001</b> , 45, 497-506	8.4	35
32	Abiotic and biotic factors that influence the bioavailability of gold nanoparticles to aquatic macrophytes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10223-30	10.3	33
31	Nutrient Management of Nursery Runoff Water using Constructed Wetland Systems. <i>HortTechnology</i> , <b>2006</b> , 16, 610-614	1.3	33
30	The developmental effects of a municipal wastewater effluent on the northern leopard frog, <i>Rana pipiens</i> . <i>Aquatic Toxicology</i> , <b>2009</b> , 94, 145-52	5.1	32
29	Phosphorus retention in lab and field-scale subsurface-flow wetlands treating plant nursery runoff. <i>Ecological Engineering</i> , <b>2011</b> , 37, 1968-1976	3.9	31
28	Influence of carbon nanotubes on the bioavailability of fluoranthene. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 658-66	3.8	30
27	Reprint of: Effects of the antidepressant venlafaxine on fish brain serotonin and predation behavior. <i>Aquatic Toxicology</i> , <b>2014</b> , 151, 88-96	5.1	28
26	Modeling the influence of physicochemical properties on gold nanoparticle uptake and elimination by <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 860-72	3.8	27
25	Toxicity of two pulsed metal exposures to <i>Daphnia magna</i> : relative effects of pulsed duration-concentration and influence of interpulse period. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2007</b> , 53, 579-89	3.2	27
24	Effects of an antidepressant mixture on the brain serotonin and predation behavior of hybrid striped bass. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 938-45	3.8	27
23	Influence of dissolved organic matter source on silver toxicity to <i>Pimephales promelas</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2746-51	3.8	26
22	Effect of natural organic matter on the photo-induced toxicity of titanium dioxide nanoparticles. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 1661-1666	3.8	23
21	Characterizing the toxicity of pulsed selenium exposure to <i>Daphnia magna</i> . <i>Chemosphere</i> , <b>2008</b> , 71, 429-84	3.8	21
20	Biochemical and behavioral effects of diazinon exposure in hybrid striped bass. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 105-12	3.8	20
19	An integrated model describing the toxic responses of <i>Daphnia magna</i> to pulsed exposures of three metals. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 132-8	3.8	19
18	Further considerations of the skeletal system as a biomarker of episodic chlorpyrifos exposure. <i>Aquatic Toxicology</i> , <b>2001</b> , 52, 285-96	5.1	19

17	Morphological responses of <i>Legionella pneumophila</i> biofilm to nanoparticle exposure. <i>Nanotoxicology</i> , <b>2011</b> , 5, 730-42	5.3	16
16	Nutrient Recovery by Seven Aquatic Garden Plants in a Laboratory-scale Subsurface-constructed Wetland. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2007</b> , 42, 1674-1680	2.4	15
15	Toxicity of aqueous C70-gallic acid suspension in <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 215-20	3.8	14
14	Whole-body sodium concentration in larval fathead minnows ( <i>Pimephales promelas</i> ) during and following copper exposure. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1635-9	3.8	14
13	Localization of denitrification activity in macropores of a riparian wetland. <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 563-569	7.5	14
12	Impacts of land disturbance on aquatic ecosystem health: quantifying the cascade of events. <i>Integrated Environmental Assessment and Management</i> , <b>2008</b> , 4, 431-42	2.5	13
11	Remediation of Nitrogen and Phosphorus from Nursery Runoff during the Spring via Free Water Surface Constructed Wetlands. <i>Journal of Environmental Horticulture</i> , <b>2010</b> , 28, 209-217	0.7	13
10	Bioavailability of Carbon Nanomaterial-Adsorbed Polycyclic Aromatic Hydrocarbons to <i>Pimephales promelas</i> : Influence of Adsorbate Molecular Size and Configuration. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9288-9296	10.3	12
9	Differential Nitrogen and Phosphorus Recovery by Five Aquatic Garden Species in Laboratory-scale Subsurface-constructed Wetlands. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2008</b> , 43, 868-874	2.4	11
8	Acute and chronic response of <i>Daphnia magna</i> exposed to TiO <sub>2</sub> nanoparticles in agitation system. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2014</b> , 93, 456-60	2.7	9
7	Testing the individual effective dose hypothesis. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 791-800	3.8	6
6	. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 423	3.8	5
5	The effects of bupropion on hybrid striped bass brain chemistry and predatory behavior. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2058-65	3.8	1
4	Treatment with coated layer double hydroxide clays decreases the toxicity of copper-contaminated water. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 66, 549-56	3.2	1
3	Demonstration of a landscape-scale approach for predicting acute copper toxicity to larval fathead minnows ( <i>Pimephales promelas</i> ) in surface waters. <i>Integrated Environmental Assessment and Management</i> , <b>2008</b> , 4, 237	2.5	1
2	Correlating Quantitative Measurements of Radical Production by Photocatalytic TiO with <i>Daphnia magna</i> Toxicity. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 1322-1334	3.8	1
1	Xenobiotic Impacts on the Skeletal System of Teleosts. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2001</b> , 1-20	3.5	1