

Stephen J Klaine

List of Publications by Year in Descending Order

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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	Correlating Quantitative Measurements of Radical Production by Photocatalytic TiO with Daphnia magna Toxicity. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 1322-1334	3.8	1
69	Trophic transfer of microplastics in aquatic ecosystems: Identifying critical research needs. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 505-509	2.5	110
68	Effect of natural organic matter on the photo-induced toxicity of titanium dioxide nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1661-1666	3.8	23
67	Bioavailability of Carbon Nanomaterial-Adsorbed Polycyclic Aromatic Hydrocarbons to Pimphales promelas: Influence of Adsorbate Molecular Size and Configuration. <i>Environmental Science & Technology</i> , 2017 , 51, 9288-9296	10.3	12
66	The effects of bupropion on hybrid striped bass brain chemistry and predatory behavior. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2058-65	3.8	1
65	Effects of an antidepressant mixture on the brain serotonin and predation behavior of hybrid striped bass. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 938-45	3.8	27
64	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> , 2016 , 35, 1055-67	3.8	119
63	Interactions of metal-based engineered nanoparticles with aquatic higher plants: A review of the state of current knowledge. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1677-94	3.8	40
62	Responses of Hyalella azteca to acute and chronic microplastic exposures. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2564-72	3.8	302
61	Modeling the influence of physicochemical properties on gold nanoparticle uptake and elimination by Daphnia magna. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 860-72	3.8	27
60	Influence of carbon nanotubes on the bioavailability of fluoranthene. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 658-66	3.8	30
59	Effects of the antidepressant venlafaxine on fish brain serotonin and predation behavior. <i>Aquatic Toxicology</i> , 2014 , 148, 130-8	5.1	57
58	Tracking and quantification of single-walled carbon nanotubes in fish using near infrared fluorescence. <i>Environmental Science & Technology</i> , 2014 , 48, 1973-83	10.3	40
57	Acute and chronic response of Daphnia magna exposed to TiO ₂ nanoparticles in agitation system. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 93, 456-60	2.7	9
56	Reprint of: Effects of the antidepressant venlafaxine on fish brain serotonin and predation behavior. <i>Aquatic Toxicology</i> , 2014 , 151, 88-96	5.1	28
55	Microscopic investigation of single-wall carbon nanotube uptake by Daphnia magna. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 2-10	5.3	54
54	Testing the individual effective dose hypothesis. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 791-800	3.8	6

53	Treatment with coated layer double hydroxide clays decreases the toxicity of copper-contaminated water. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 66, 549-56	3.2	1
52	Abiotic and biotic factors that influence the bioavailability of gold nanoparticles to aquatic macrophytes. <i>Environmental Science & Technology</i> , 2013 , 47, 10223-30	10.3	33
51	Silver nanoparticle toxicity to <i>Daphnia magna</i> is a function of dissolved silver concentration. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 2356-64	3.8	93
50	Ecotoxicity test methods for engineered nanomaterials: practical experiences and recommendations from the bench. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 15-31	3.8	240
49	Analysis of engineered nanomaterials in complex matrices (environment and biota): general considerations and conceptual case studies. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 32-49	3.8	355
48	Potential scenarios for nanomaterial release and subsequent alteration in the environment. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 50-9	3.8	457
47	Toxicity of aqueous C70-gallic acid suspension in <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 215-20	3.8	14
46	Interactions of gold nanoparticles with freshwater aquatic macrophytes are size and species dependent. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 194-201	3.8	58
45	Paradigms to assess the environmental impact of manufactured nanomaterials. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 3-14	3.8	263
44	Biotic and abiotic interactions in aquatic microcosms determine fate and toxicity of Ag nanoparticles: part 2-toxicity and Ag speciation. <i>Environmental Science & Technology</i> , 2012 , 46, 6925-33	10.3	117
43	Phosphorus retention in lab and field-scale subsurface-flow wetlands treating plant nursery runoff. <i>Ecological Engineering</i> , 2011 , 37, 1968-1976	3.9	31
42	Morphological responses of <i>Legionella pneumophila</i> biofilm to nanoparticle exposure. <i>Nanotoxicology</i> , 2011 , 5, 730-42	5.3	16
41	Oxidative stress responses of <i>Daphnia magna</i> exposed to TiO ₂ nanoparticles according to size fraction. <i>Science of the Total Environment</i> , 2010 , 408, 2268-72	10.2	177
40	The influence of natural organic matter on the toxicity of multiwalled carbon nanotubes. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2511-8	3.8	98
39	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> , 2010 , 29, 168-75	3.8	52
38	Acute toxicity of a mixture of copper and single-walled carbon nanotubes to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 122-6	3.8	57
37	Remediation of Nitrogen and Phosphorus from Nursery Runoff during the Spring via Free Water Surface Constructed Wetlands. <i>Journal of Environmental Horticulture</i> , 2010 , 28, 209-217	0.7	13
36	Nitrogen and Phosphorus Remediation by Three Floating Aquatic Macrophytes in Greenhouse-Based Laboratory-Scale Subsurface Constructed Wetlands. <i>Water, Air, and Soil Pollution</i> , 2009 , 197, 223-232	2.6	52

35	Biochemical and behavioral effects of diazinon exposure in hybrid striped bass. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 105-12	3.8	20
34	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> , 2009 , 28, 1663-70	3.8	48
33	Influence of multiwalled carbon nanotubes dispersed in natural organic matter on speciation and bioavailability of copper. <i>Environmental Science & Technology</i> , 2009 , 43, 8979-84	10.3	76
32	The developmental effects of a municipal wastewater effluent on the northern leopard frog, <i>Rana pipiens</i> . <i>Aquatic Toxicology</i> , 2009 , 94, 145-52	5.1	32
31	Behavioral and biochemical responses of hybrid striped bass during and after fluoxetine exposure. <i>Aquatic Toxicology</i> , 2008 , 88, 207-13	5.1	155
30	Characterizing the toxicity of pulsed selenium exposure to <i>Daphnia magna</i> . <i>Chemosphere</i> , 2008 , 71, 429-88	3.8	21
29	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1825-51	3.8	2098
28	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> , 2008 , 4, 237	2.5	1
27	Impacts of land disturbance on aquatic ecosystem health: quantifying the cascade of events. <i>Integrated Environmental Assessment and Management</i> , 2008 , 4, 431-42	2.5	13
26	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> , 2008 , 43, 868-874	2.4	11
25	In vivo biomodification of lipid-coated carbon nanotubes by <i>Daphnia magna</i> . <i>Environmental Science & Technology</i> , 2007 , 41, 3025-9	10.3	284
24	An integrated model describing the toxic responses of <i>Daphnia magna</i> to pulsed exposures of three metals. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 132-8	3.8	19
23	Influence of organism age on metal toxicity to <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 1198-204	3.8	36
22	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> , 2007 , 53, 579-89	3.2	27
21	Translocation of C60 and its derivatives across a lipid bilayer. <i>Nano Letters</i> , 2007 , 7, 614-9	11.5	338
20	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> , 2007 , 42, 1674-1680	2.4	15
19	Detection of phospholipid-carbon nanotube translocation using fluorescence energy transfer. <i>Applied Physics Letters</i> , 2006 , 89, 143118	3.4	35
18	Implications of pulsed chemical exposures for aquatic life criteria and wastewater permit limits. <i>Environmental Science & Technology</i> , 2006 , 40, 5132-8	10.3	65

17	Whole-body sodium concentration in larval fathead minnows (<i>Pimephales promelas</i>) during and following copper exposure. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1635-9	3.8	14
16	Nutrient Management of Nursery Runoff Water using Constructed Wetland Systems. <i>HortTechnology</i> , 2006 , 16, 610-614	1.3	33
15	Localization of denitrification activity in macropores of a riparian wetland. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 563-569	7.5	14
14	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> , 2004 , 23, 1567-74	3.8	53
13	Influence of multiple water-quality characteristics on copper toxicity to fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 2900-5	3.8	41
12	Influence of dissolved organic matter source on silver toxicity to <i>Pimephales promelas</i> . <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2746-51	3.8	26
11	Further considerations of the skeletal system as a biomarker of episodic chlorpyrifos exposure. <i>Aquatic Toxicology</i> , 2001 , 52, 285-96	5.1	19
10	Effect of pulse frequency and interval on the toxicity of chlorpyrifos to <i>Daphnia magna</i> . <i>Chemosphere</i> , 2001 , 45, 497-506	8.4	35
9	Mechanisms of nutrient attenuation in a subsurface flow riparian wetland. <i>Journal of Environmental Quality</i> , 2001 , 30, 1732-7	3.4	38
8	Nutrient attenuation by a riparian wetland during natural and artificial runoff events. <i>Journal of Environmental Quality</i> , 2001 , 30, 1720-31	3.4	47
7	Xenobiotic Impacts on the Skeletal System of Teleosts. <i>Reviews of Environmental Contamination and Toxicology</i> , 2001 , 1-20	3.5	1
6	Response of <i>Daphnia magna</i> to pulsed exposures of chlorpyrifos. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 423-431	3.8	73
5	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 423	3.8	5
4	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> , 1999 , 18, 63-70	3.8	59
3	Ecological risk assessment of atrazine in North American surface waters. <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 31-76	3.8	788
2	Partitioning behavior and the mobility of chlordane in groundwater. <i>Environmental Science & Technology</i> , 1992 , 26, 2234-2239	10.3	41
1	Influence of Nitrite and Chloride Concentrations on Survival and Hematological Profiles of Striped Bass. <i>Transactions of the American Fisheries Society</i> , 1991 , 120, 247-254	1.7	37