Joseph S Meyer

List of Publications by Year
in descending order

46 papers	2,670 citations	448610 19 h-index	286692 43 g-index
46 all docs	46 docs citations	46 times ranked	2278 citing authors

#	Article	IF	Citations
1	Denitrification and Nitrogen Burial in Swiss Lakes. Environmental Science & Technology, 2022, 56, 2794-2802.	4.6	5
2	Validation of Bioavailabilityâ€Based Toxicity Models for Metals. Environmental Toxicology and Chemistry, 2020, 39, 101-117.	2.2	31
3	Toxicity of Nanoparticulate Nickel to Aquatic Organisms: Review and Recommendations for Improvement of Toxicity Tests. Environmental Toxicology and Chemistry, 2020, 39, 1861-1883.	2.2	9
4	Nitrogen fertilization of soils fuels carbonate weathering and translocation in calcareous watersheds. Aquatic Sciences, 2020, 82, 1.	0.6	0
5	Effects of copper on olfactory, behavioral, and other sublethal responses of saltwater organisms: Are estimated chronic limits using the biotic ligand model protective?. Environmental Toxicology and Chemistry, 2018, 37, 1515-1522.	2.2	3
6	Is the Factor-of-2 Rule Broadly Applicable for Evaluating the Prediction Accuracy of Metal-Toxicity Models?. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 64-68.	1.3	11
7	Protectiveness of Cu water quality criteria against impairment of behavior and chemo/mechanosensory responses: An update. Environmental Toxicology and Chemistry, 2018, 37, 1260-1279.	2.2	10
8	Effect of age on acute toxicity of cadmium, copper, nickel, and zinc in individualâ€metal exposures to <i>Daphnia magna</i> neonates. Environmental Toxicology and Chemistry, 2017, 36, 113-119.	2.2	28
9	Ageâ€related differences in sensitivity to metals can matter for <i>Daphnia magna</i> neonates. Integrated Environmental Assessment and Management, 2017, 13, 208-210.	1.6	2
10	Acute Toxicity of Ternary Cdâ€“Cuâ€“Ni and Cdâ€“Niâ€“Zn Mixtures to <i>Daphnia magna</i>: Dominant Metal Pairs Change along a Concentration Gradient. Environmental Science & Technology, 2017, 51, 4471-4481.	4.6	23
11	Misapplication of generic hazard-classification schemes for versatile, sustainable building materials: Copper as an example. Human and Ecological Risk Assessment (HERA), 2017, 23, 1703-1730.	1.7	2
12	A test of the additivity of acute toxicity of binaryâ€metal mixtures of ni with Cd, Cu, and Zn to <i>Daphnia magna</i>, using the inflection point of the concentrationâ€“response curves. Environmental Toxicology and Chemistry, 2016, 35, 1843-1851.	2.2	22
13	Alkalinity regulation in calcium carbonate-buffered lakes. Limnology and Oceanography, 2016, 61, 341-352.	1.6	49
14	The Use of Field and Mesocosm Experiments to Quantify Effects of Physical and Chemical Stressors in Mining-Contaminated Streams. Environmental Science & Technology, 2016, 50, 7825-7833.	4.6	33
15	Critical Review: Toxicity of Dietborne Metals to Aquatic Organisms. Critical Reviews in Environmental Science and Technology, 2015, 45, 1176-1241.	6.6	62
16	Acute toxicity of binary and ternary mixtures of Cd, Cu, and Zn to <i>Daphnia magna</i>. Environmental Toxicology and Chemistry, 2015, 34, 799-808.	2.2	89
17	Metal Mixtures Modeling Evaluation project: 1. Background. Environmental Toxicology and Chemistry, 2015, 34, 726-740.	2.2	71
18	Development of a regression model to predict copper toxicity to <i>Daphnia magna</i> and siteâ€specific copper criteria across multiple surfaceâ€water drainages in an arid landscape. Environmental Toxicology and Chemistry, 2014, 33, 1865-1873.	2.2	10

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19	Water chemistry matters in metalâ€toxicity papers. Environmental Toxicology and Chemistry, 2012, 31, 689-690.	2.2	14
20	Relationship between biotic ligand modelâ€based water quality criteria and avoidance and olfactory responses to copper by fish. Environmental Toxicology and Chemistry, 2010, 29, 2096-2103.	2.2	34
21	DISSOLVED FRACTION OF STANDARD LABORATORY CLADOCERAN FOOD ALTERS TOXICITY OF WATERBORNE SILVER TO CERIODAPHNIA DUBIA. Environmental Toxicology and Chemistry, 2008, 27, 1426.	2.2	8
22	Use of the biotic ligand model to predict pulse-exposure toxicity of copper to fathead minnows (Pimephales promelas). Aquatic Toxicology, 2007, 84, 268-278.	1.9	17
23	Photosynthetically Mediated Zn Removal from the Water Column in High Ore Creek, Montana. Water, Air, and Soil Pollution, 2007, 179, 391-395.	1.1	7
24	Photooxidation of wetland and riverine dissolved organic matter: altered copper complexation and organic composition. Hydrobiologia, 2007, 579, 95-113.	1.0	61
25	Light-mediated Zn uptake in photosynthetic biofilm. Hydrobiologia, 2006, 571, 361-371.	1.0	19
26	Leachability of Protein and Metals Incorporated into Aquatic Invertebrates: Are Species and Metals-Exposure History Important?. Archives of Environmental Contamination and Toxicology, 2006, 50, 79-87.	2.1	1
27	Does Biofilm Contribute to Diel Cycling of Zn in High Ore Creek, Montana?. Biogeochemistry, 2005, 76, 233-259.	1.7	29
28	Subchronic Toxicity of Low Dissolved Oxygen Concentrations, Elevated pH, and Elevated Ammonia Concentrations to Lost River Suckers. Transactions of the American Fisheries Society, 2002, 131, 656-666.	0.6	16
29	Whole-body accumulation of copper predicts acute toxicity to an aquatic oligochaete (Lumbriculus) Tj ETQq1 1 0.784314 rgBT /Overlo Toxicology and Pharmacology, 2002, 133, 99-109.	1.3	12
30	The utility of the terms â€œbioavailabilityâ€•and â€œbioavailable fractionâ€•for metals. Marine Environmental Research, 2002, 53, 417-423.	1.1	58
31	Naturalized salmonid populations occur in the presence of elevated trace element concentrations and temperatures in the firehole river, Yellowstone National Park, Wyoming, USA. Environmental Toxicology and Chemistry, 2001, 20, 2342-2352.	2.2	8
32	Biotic ligand model of the acute toxicity of metals. 1. Technical Basis. Environmental Toxicology and Chemistry, 2001, 20, 2383-2396.	2.2	1,100
33	Biotic ligand model of the acute toxicity of metals. 2. Application to acute copper toxicity in freshwater fish and <i>Daphnia</i>. Environmental Toxicology and Chemistry, 2001, 20, 2397-2402.	2.2	457
34	Influence of Stream Flow on Hydrogen Sulfide Concentrations and Distributions of Two Trout Species in a Rocky Mountains Tailwater. North American Journal of Fisheries Management, 2001, 21, 971-975.	0.5	5
35	Naturalized salmonid populations occur in the presence of elevated trace element concentrations and temperatures in the firehole river, Yellowstone National Park, Wyoming, USA. , 2001, 20, 2342.		2
36	Nitrogen removal in a surface-flow wastewater treatment wetland. Wetlands, 1999, 19, 403-412.	0.7	5

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37	A Mechanistic Explanation for the ln(LC50) vs ln(Hardness) Adjustment Equation for Metals. Environmental Science & Technology, 1999, 33, 908-912.	4.6	43
38	Binding of Nickel and Copper to Fish Gills Predicts Toxicity When Water Hardness Varies, But Free-Ion Activity Does Not. Environmental Science & Technology, 1999, 33, 913-916.	4.6	182
39	Copper tolerance in ironâ€reducing bacteria: Implications for copper mobilization in sediments. Environmental Toxicology and Chemistry, 1998, 17, 675-678.	2.2	12
40	Relationships between boron concentrations and trout in the firehole river, wyoming. Biological Trace Element Research, 1998, 66, 167-184.	1.9	7
41	Modeling toxicity due to intermittent exposure of rainbow trout and common shiners to monochloramine. Environmental Toxicology and Chemistry, 1995, 14, 165-175.	2.2	31
42	Sensitivity analysis of population growth rates estimated from cladoceran chronic toxicity tests. Environmental Toxicology and Chemistry, 1987, 6, 115-126.	2.2	46
43	Sensitivity analysis of population growth rates estimated from cladoceran chronic toxicity tests. , 1987, 6, 115.		4
44	Exhaustive steam distillation extraction of aromatic organics from rainbow trout and water. Environmental Toxicology and Chemistry, 1986, 5, 155-159.	2.2	7
45	Anthracene bioconcentration in rainbow trout during singleâ€compound and complexâ€mixture exposures. Environmental Toxicology and Chemistry, 1985, 4, 549-558.	2.2	9
46	Chemistry and aquatic toxicity of raw oil shale leachates from piceance basin, Colorado. Environmental Toxicology and Chemistry, 1985, 4, 559-572.	2.2	16