

Laurie S Balistrieri

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,378
citations

430874

18
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

1475
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractionation of Cu and Zn isotopes during adsorption onto amorphous Fe(III) oxyhydroxide: Experimental mixing of acid rock drainage and ambient river water. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 311-328.	3.9	256
2	The cycling of iron and manganese in the water column of Lake Sammamish, Washington. <i>Limnology and Oceanography</i> , 1992, 37, 510-528.	3.1	117
3	Assessing the concentration, speciation, and toxicity of dissolved metals during mixing of acid-mine drainage and ambient river water downstream of the Elizabeth Copper Mine, Vermont, USA. <i>Applied Geochemistry</i> , 2007, 22, 930-952.	3.0	99
4	The biogeochemical cycling of trace metals in the water column of Lake Sammamish, Washington: Response to seasonally anoxic conditions. <i>Limnology and Oceanography</i> , 1992, 37, 529-548.	3.1	98
5	Predicting the toxicity of metal mixtures. <i>Science of the Total Environment</i> , 2014, 466-467, 788-799.	8.0	84
6	Using biotic ligand models to predict metal toxicity in mineralized systems. <i>Applied Geochemistry</i> , 2015, 57, 55-72.	3.0	81
7	Bioaccumulation and Toxicity of Cadmium, Copper, Nickel, and Zinc and Their Mixtures to Aquatic Insect Communities. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 812-833.	4.3	61
8	Dissolved and labile concentrations of Cd, Cu, Pb, and Zn in the South Fork Coeur d'Alene River, Idaho: Comparisons among chemical equilibrium models and implications for biotic ligand models. <i>Applied Geochemistry</i> , 2008, 23, 3355-3371.	3.0	57
9	Metal Mixture Modeling Evaluation project: 2. Comparison of four modeling approaches. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 741-753.	4.3	55
10	Modeling Metal Removal onto Natural Particles Formed during Mixing of Acid Rock Drainage with Ambient Surface Water. <i>Environmental Science & Technology</i> , 2002, 36, 484-492.	10.0	54
11	Modeling Removal of Cd, Cu, Pb, and Zn in Acidic Groundwater during Neutralization by Ambient Surface Waters and Groundwaters. <i>Environmental Science & Technology</i> , 1999, 33, 3850-3856.	10.0	46
12	Modeling Precipitation and Sorption of Elements during Mixing of River Water and Porewater in the Coeur d'Alene River Basin. <i>Environmental Science & Technology</i> , 2003, 37, 4694-4701.	10.0	46
13	Zinc isotope investigation of surface and pore waters in a mountain watershed impacted by acid rock drainage. <i>Science of the Total Environment</i> , 2012, 420, 202-213.	8.0	42
14	Expanding metal mixture toxicity models to natural stream and lake invertebrate communities. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 761-776.	4.3	37
15	Assessing the Influence of Reacting Pyrite and Carbonate Minerals on the Geochemistry of Drainage in the Coeur d'Alene Mining District. <i>Environmental Science & Technology</i> , 1999, 33, 3347-3353.	10.0	36
16	Larval aquatic insect responses to cadmium and zinc in experimental streams. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 749-762.	4.3	33
17	Assessing time-integrated dissolved concentrations and predicting toxicity of metals during diel cycling in streams. <i>Science of the Total Environment</i> , 2012, 425, 155-168.	8.0	30
18	Modeling spatial and temporal variations in temperature and salinity during stratification and overturn in Dexter Pit Lake, Tuscarora, Nevada, USA. <i>Applied Geochemistry</i> , 2006, 21, 1184-1203.	3.0	29

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19	In vivo isotopic fractionation of zinc and biodynamic modeling yield insights into detoxification mechanisms in the mayfly <i>Neocloeon triangulifer</i> . <i>Science of the Total Environment</i> , 2017, 609, 1219-1229.	8.0	17
20	Surface of Goethite (FeOOH) in Seawater. <i>ACS Symposium Series</i> , 1979, , 275-298.	0.5	15
21	Disentangling the effects of low pH and metal mixture toxicity on macroinvertebrate diversity. <i>Environmental Pollution</i> , 2018, 235, 889-898.	7.5	15
22	Time-dependent accumulation of Cd, Co, Cu, Ni, and Zn in natural communities of mayfly and caddisfly larvae: Metal sensitivity, uptake pathways, and mixture toxicity. <i>Science of the Total Environment</i> , 2020, 732, 139011.	8.0	15
23	Effects of simultaneous climate change and geomorphic evolution on thermal characteristics of a shallow Alaskan lake. <i>Limnology and Oceanography</i> , 2011, 56, 193-205.	3.1	13
24	Understanding the captivity effect on invertebrate communities transplanted into an experimental stream laboratory. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2820-2834.	4.3	11
25	Potential Toxicity of Dissolved Metal Mixtures (Cd, Cu, Pb, Zn) to Early Life Stage White Sturgeon (<i>Acipenser transmontanus</i>) in the Upper Columbia River, Washington, United States. <i>Environmental Science & Technology</i> , 2018, 52, 9793-9800.	10.0	10