

Graeme E Batley

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.

34
papers

5,630
citations

24
h-index

35
g-index

35
ext. papers

6,052
ext. citations

5.8
avg, IF

5.47
L-index

#	Paper	IF	Citations
34	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 1825-51	3.8	2098
33	Comparative toxicity of nanoparticulate ZnO, bulk ZnO, and ZnCl ₂ to a freshwater microalga (<i>Pseudokirchneriella subcapitata</i>): the importance of particle solubility. <i>Environmental Science & Technology</i> , 2007 , 41, 8484-90	10.3	1035
32	Fate and risks of nanomaterials in aquatic and terrestrial environments. <i>Accounts of Chemical Research</i> , 2013 , 46, 854-62	24.3	433
31	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects-An updated review. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2029-2063	3.8	291
30	Effect of Short-Term Resuspension Events on Trace Metal Speciation in Polluted Anoxic Sediments. <i>Environmental Science & Technology</i> , 1998 , 32, 620-625	10.3	260
29	Application of polymer-coated glassy carbon electrodes in anodic stripping voltammetry. <i>Analytical Chemistry</i> , 1987 , 59, 1608-1614	7.8	158
28	Physico-chemical behaviour and algal toxicity of nanoparticulate CeO ₂ in freshwater. <i>Environmental Chemistry</i> , 2010 , 7, 50	3.2	152
27	Predicting metal toxicity in sediments: A critique of current approaches. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 18-31	2.5	145
26	The impact of size on the fate and toxicity of nanoparticulate silver in aquatic systems. <i>Chemosphere</i> , 2013 , 93, 359-65	8.4	140
25	Effect of Short-Term Resuspension Events on the Oxidation of Cadmium, Lead, and Zinc Sulfide Phases in Anoxic Estuarine Sediments. <i>Environmental Science & Technology</i> , 2000 , 34, 4533-4537	10.3	114
24	Speciation and Bioavailability of Trace Metals in Water: Progress Since 1982. <i>Australian Journal of Chemistry</i> , 2004 , 57, 903	1.2	107
23	The influence of sediment particle size and organic carbon on toxicity of copper to benthic invertebrates in oxic/suboxic surface sediments. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1599-610	3.8	76
22	Disturbances to metal partitioning during toxicity testing of iron(II)-rich estuarine pore waters and whole sediments. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 424-432	3.8	76
21	Considerations for capping metal-contaminated sediments in dynamic estuarine environments. <i>Environmental Science & Technology</i> , 2002 , 36, 3772-8	10.3	67
20	Derivation of a water quality guideline for aluminium in marine waters. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 141-51	3.8	49
19	A Comparison of Copper Speciation Measurements with the Toxic Responses of Three Sensitive Freshwater Organisms. <i>Environmental Chemistry</i> , 2005 , 2, 320	3.2	48
18	Sediment quality guidelines: challenges and opportunities for improving sediment management. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 17-27	5.1	47

17	Uncertainties in Sediment Quality Weight-of-Evidence (WOE) Assessments. <i>Human and Ecological Risk Assessment (HERA)</i> , 2002 , 8, 1517-1547	4.9	47
16	Guidelines for copper in sediments with varying properties. <i>Chemosphere</i> , 2011 , 85, 1487-95	8.4	46
15	Influence of the choice of physical and chemistry variables on interpreting patterns of sediment contaminants and their relationships with estuarine macrobenthic communities. <i>Marine and Freshwater Research</i> , 2010 , 61, 1109	2.2	42
14	Characterization and ecological risk assessment of nanoparticulate CeO ₂ as a diesel fuel catalyst. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1896-905	3.8	30
13	Determination of sub-nanomolar concentrations of lead in sea water by adsorptive stripping voltammetry with xylenol orange. <i>Analytica Chimica Acta</i> , 1995 , 309, 95-101	6.6	27
12	Trophic transfer of metals in a seagrass food web: Bioaccumulation of essential and non-essential metals. <i>Marine Pollution Bulletin</i> , 2018 , 131, 468-480	6.7	26
11	Geochemical controls on aluminium concentrations in coastal waters. <i>Environmental Chemistry</i> , 2016 , 13, 111	3.2	25
10	The importance of physical and chemical characterization in nanoparticle toxicity studies. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 303-4	2.5	19
9	Predicting metal toxicity in sediments: a critique of current approaches. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 18-31	2.5	19
8	Sample storage artifacts affecting the measurement of dissolved copper in sulfidic waters. <i>Analytical Chemistry</i> , 1998 , 70, 4202-5	7.8	17
7	Ecotoxicology of manufactured graphene oxide nanomaterials and derivation of preliminary guideline values for freshwater environments. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1340-1348	3.8	15
6	Ecotoxicology of Manufactured Nanoparticles 267-305		6
5	Remediation criteria for gasworks-impacted sediments: Assessing the effects of legacy hydrocarbons and more recent metal contamination. <i>Science of the Total Environment</i> , 2020 , 737, 139725	10.2	6
4	Chronic effects and thresholds for estuarine and marine benthic organism exposure to perfluorooctane sulfonic acid (PFOS)-contaminated sediments: Influence of organic carbon and exposure routes. <i>Science of the Total Environment</i> , 2021 , 776, 146008	10.2	5
3	T. Mark Florence. <i>Australian Journal of Chemistry</i> , 2004 , 57, 899	1.2	1
2	Geochemical factors affecting the solubility of copper in seawater. <i>Environmental Chemistry</i> , 2021 , 18, 1	3.2	1
1	Elemental Speciation Waters, Sediments, and Soils 2017 , 23-23		