

# Graeme Batley

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

58  
papers

7,236  
citations

37  
h-index

59  
g-index

59  
ext. papers

7,725  
ext. citations

6.2  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
58	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects-An updated review. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 2029-2063	3.8	291
57	History of metal contamination in Lake Illawarra, NSW, Australia. <i>Chemosphere</i> , <b>2015</b> , 119, 377-386	8.4	10
56	Use of a multi-proxy method to support the restoration of estuaries receiving inputs from industry. <i>Ecological Engineering</i> , <b>2015</b> , 85, 247-256	3.9	3
55	Derivation of a water quality guideline for aluminium in marine waters. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 141-51	3.8	49
54	The role of biomarkers in the assessment of aquatic ecosystem health. <i>Integrated Environmental Assessment and Management</i> , <b>2014</b> , 10, 327-41	2.5	172
53	Recent history of sediment metal contamination in Lake Macquarie, Australia, and an assessment of ash handling procedure effectiveness in mitigating metal contamination from coal-fired power stations. <i>Science of the Total Environment</i> , <b>2014</b> , 490, 659-70	10.2	19
52	Sediment quality guidelines: challenges and opportunities for improving sediment management. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 17-27	5.1	47
51	Fate and risks of nanomaterials in aquatic and terrestrial environments. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 854-62	24.3	433
50	Characterization and ecological risk assessment of nanoparticulate CeO <sub>2</sub> as a diesel fuel catalyst. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 1896-905	3.8	30
49	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> , <b>2011</b> , 30, 1599-610	3.8	76
48	The challenges posed by radiation and radionuclide releases to the environment. <i>Integrated Environmental Assessment and Management</i> , <b>2011</b> , 7, 360-1	2.5	
47	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> , <b>2010</b> , 61, 1109	2.2	42
46	Development of guidelines for ammonia in estuarine and marine water systems. <i>Marine Pollution Bulletin</i> , <b>2009</b> , 58, 1472-6	6.7	39
45	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1825-51	3.8	2098
44	Comparative toxicity of nanoparticulate ZnO, bulk ZnO, and ZnCl <sub>2</sub> to a freshwater microalga ( <i>Pseudokirchneriella subcapitata</i> ): the importance of particle solubility. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 8484-90	10.3	1035
43	A rapid Chelex column method for the determination of metal speciation in natural waters. <i>Analytica Chimica Acta</i> , <b>2006</b> , 558, 237-245	6.6	54
42	Short-term accumulation of Cd and Cu from water, sediment and algae by the amphipod <i>Melita plumulosa</i> and the bivalve <i>Tellina deltoidalis</i> . <i>Marine Ecology - Progress Series</i> , <b>2005</b> , 287, 177-188	2.6	50

41	Speciation and Bioavailability of Trace Metals in Water: Progress Since 1982. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 903	1.2	107
40	Geochemical cycling and speciation of copper in waters and sediments of Macquarie Harbour, Western Tasmania. <i>Estuarine, Coastal and Shelf Science</i> , <b>2003</b> , 57, 475-487	2.9	59
39	Pore water testing and analysis: the good, the bad, and the ugly. <i>Marine Pollution Bulletin</i> , <b>2002</b> , 44, 359-366	6.6	107
38	Uncertainties in Sediment Quality Weight-of-Evidence (WOE) Assessments. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2002</b> , 8, 1517-1547	4.9	47
37	A Weight-of-Evidence Framework for Assessing Sediment (Or Other) Contamination: Improving Certainty in the Decision-Making Process. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2002</b> , 8, 1675-1696	4.9	80
36	Considerations for capping metal-contaminated sediments in dynamic estuarine environments. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 3772-8	10.3	67
35	Effect of Short-Term Resuspension Events on the Oxidation of Cadmium, Lead, and Zinc Sulfide Phases in Anoxic Estuarine Sediments. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 4533-4537	10.3	114
34	Assessing the health of sediment ecosystems: use of chemical measurements. <i>Freshwater Biology</i> , <b>1999</b> , 41, 361-372	3.1	41
33	Constant current cathodic stripping potentiometric determination of arsenic on a mercury film electrode in the presence of copper ions. <i>Analytica Chimica Acta</i> , <b>1999</b> , 381, 207-213	6.6	36
32	Quality Assurance in Environmental Monitoring. <i>Marine Pollution Bulletin</i> , <b>1999</b> , 39, 23-31	6.7	21
31	Heavy metals in waters and sediments of Port Phillip Bay, Australia. <i>Marine and Freshwater Research</i> , <b>1999</b> , 50, 503	2.2	27
30	Practical improvements for redox potential (EH) measurements and the application of a multiple-electrode redox probe (MERP) for characterising sediment in situ. <i>Analytica Chimica Acta</i> , <b>1998</b> , 367, 201-213	6.6	32
29	Effect of Short-Term Resuspension Events on Trace Metal Speciation in Polluted Anoxic Sediments. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 620-625	10.3	260
28	Baseline trace metal concentrations in New South Wales coastal waters. <i>Marine and Freshwater Research</i> , <b>1998</b> , 49, 203	2.2	28
27	Determination of the mercury complexation capacity of natural waters by anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , <b>1997</b> , 350, 129-134	6.6	36
26	Determination of sub-nanomolar concentrations of lead in sea water by adsorptive stripping voltammetry with xylenol orange. <i>Analytica Chimica Acta</i> , <b>1995</b> , 309, 95-101	6.6	27
25	Ash distribution and metal contents of Lake Illawarra bottom sediments. <i>Marine and Freshwater Research</i> , <b>1994</b> , 45, 977	2.2	17
24	Rapid detection of sewage contamination in marine waters using a fluorimetric assay of β-galactosidase activity. <i>Science of the Total Environment</i> , <b>1994</b> , 141, 175-180	10.2	30

23	Chemical indicators of sediment chronology. <i>Marine and Freshwater Research</i> , <b>1993</b> , 44, 635	2.2	19
22	Tetracycline in antifouling paints. <i>Marine Pollution Bulletin</i> , <b>1993</b> , 26, 96-100	6.7	31
21	The impact of the banning of tributyltin-based antifouling paints on the Sydney rock oyster, <i>Saccostrea commercialis</i> . <i>Science of the Total Environment</i> , <b>1992</b> , 122, 301-14	10.2	52
20	The ability of sediment extractants to measure the bioavailability of metals to three marine invertebrates. <i>Science of the Total Environment</i> , <b>1992</b> , 125, 67-84	10.2	49
19	Comparative studies of adsorption of polycyclic aromatic hydrocarbons by fly ashes from the combustion of some Australian coals. <i>Environmental Science &amp; Technology</i> , <b>1988</b> , 22, 322-7	10.3	15
18	Application of polymer-coated glassy carbon electrodes in anodic stripping voltammetry. <i>Analytical Chemistry</i> , <b>1987</b> , 59, 1608-1614	7.8	158
17	Differential-pulse polarographic determination of selenium species in contaminated waters. <i>Analytica Chimica Acta</i> , <b>1986</b> , 187, 109-116	6.6	36
16	Electroanalytical techniques for the determination of heavy metals in seawater. <i>Marine Chemistry</i> , <b>1983</b> , 12, 107-117	3.7	29
15	Adsorption as a control of metal concentrations in sediment extracts. <i>Environmental Science &amp; Technology</i> , <b>1980</b> , 14, 314-8	10.3	159
14	The effect of surfactants on the concentration of heavy metals from natural waters on chelex-100 resin. <i>Analytica Chimica Acta</i> , <b>1978</b> , 99, 333-342	6.6	24
13	Irradiation techniques for the release of bound heavy metals in natural waters and blood. <i>Analytica Chimica Acta</i> , <b>1978</b> , 99, 283-292	6.6	58
12	A study of copper, lead and cadmium speciation in some estuarine and coastal marine waters. <i>Estuarine and Coastal Marine Science</i> , <b>1978</b> , 7, 59-70		57
11	Determination of the chemical forms of trace metals in natural waters, with special reference to copper, lead, cadmium and zinc. <i>Talanta</i> , <b>1977</b> , 24, 151-8	6.2	164
10	Determination of heavy metals in sea water by atomic absorption spectrometry after electrodeposition on pyrolytic graphite-coated tubes. <i>Analytical Chemistry</i> , <b>1977</b> , 49, 2031-2035	7.8	50
9	Sampling and storage of natural waters for trace metal analysis. <i>Water Research</i> , <b>1977</b> , 11, 745-756	12.5	151
8	Trace metals species in sea-water-I: removal of trace metals from sea-water by a chelating resin. <i>Talanta</i> , <b>1976</b> , 23, 179-86	6.2	168
7	Determination of the chemical forms of dissolved cadmium, lead and copper in seawater. <i>Marine Chemistry</i> , <b>1976</b> , 4, 347-363	3.7	128
6	A Novel Scheme for the Classification of Heavy Metal Species in Natural Waters. <i>Analytical Letters</i> , <b>1976</b> , 9, 379-388	2.2	73

5	Removal of trace metals from seawater by a chelating resin. <i>Talanta</i> , <b>1975</b> , 22, 201-4	6.2	65
4	Studies of topochemical heterogeneous catalysis 3. Catalysis of the reduction of metal oxides by hydrogen. <i>Journal of Catalysis</i> , <b>1974</b> , 34, 368-375	7.3	46
3	Homogeneous catalysis in the reactions of olefinic substances. XI. Homogeneous catalytic hydrogenation of short-chain olefins with dichlorobis(triphenylphosphine)platinum(II)-tin(II) chloride catalyst. <i>Journal of the American Chemical Society</i> , <b>1968</b> , 90, 6051-6056	16.4	23
2	Studies in the stereochemistry of zinc(II). V. Zinc complexes with N-alkylsalicylaldehydes. <i>Australian Journal of Chemistry</i> , <b>1967</b> , 20, 877	1.2	55
1	Studies in the stereochemistry of zinc(II). VI. Zinc complexes with quadridentate Schiff bases. <i>Australian Journal of Chemistry</i> , <b>1967</b> , 20, 885	1.2	41