

Graeme Batley

List of Publications by Year in descending order

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59
papers

8,656
citations

76326

40
h-index

138484

58
g-index

59
all docs

59
docs citations

59
times ranked

9343
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects—An updated review. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2029-2063.	4.3	429
2	Environmental policy recommendations for the new US President. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 7-7.	2.9	3
3	Derivation of a water quality guideline for aluminium in marine waters. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 141-151.	4.3	67
4	History of metal contamination in Lake Illawarra, NSW, Australia. <i>Chemosphere</i> , 2015, 119, 377-386.	8.2	13
5	Use of a multi-proxy method to support the restoration of estuaries receiving inputs from industry. <i>Ecological Engineering</i> , 2015, 85, 247-256.	3.6	3
6	Sediment quality guidelines: challenges and opportunities for improving sediment management. <i>Environmental Science and Pollution Research</i> , 2014, 21, 17-27.	5.3	66
7	The role of biomarkers in the assessment of aquatic ecosystem health. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 327-341.	2.9	233
8	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> , 2014, 490, 659-670.	8.0	30
9	Fate and Risks of Nanomaterials in Aquatic and Terrestrial Environments. <i>Accounts of Chemical Research</i> , 2013, 46, 854-862.	15.6	520
10	Characterization and ecological risk assessment of nanoparticulate CeO ₂ as a diesel fuel catalyst. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1896-1905.	4.3	35
11	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, 1599-1610.	4.3	97
12	The challenges posed by radiation and radionuclide releases to the environment. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 360-361.	2.9	0
13	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.	1.3	46
14	Development of guidelines for ammonia in estuarine and marine water systems. <i>Marine Pollution Bulletin</i> , 2009, 58, 1472-1476.	5.0	45
15	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1825-1851.	4.3	2,370
16	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, 8484-8490.	10.0	1,173
17	A rapid Chelex column method for the determination of metal speciation in natural waters. <i>Analytica Chimica Acta</i> , 2006, 558, 237-245.	5.4	60
18	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> , 2005, 287, 177-188.	1.9	59

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19	Speciation and Bioavailability of Trace Metals in Water: Progress Since 1982. Australian Journal of Chemistry, 2004, 57, 903.	0.9	119
20	Geochemical cycling and speciation of copper in waters and sediments of Macquarie Harbour, Western Tasmania. Estuarine, Coastal and Shelf Science, 2003, 57, 475-487.	2.1	77
21	Uncertainties in Sediment Quality Weight-of-Evidence (WOE) Assessments. Human and Ecological Risk Assessment (HERA), 2002, 8, 1517-1547.	3.4	55
22	A Weight-of-Evidence Framework for Assessing Sediment (Or Other) Contamination: Improving Certainty in the Decision-Making Process. Human and Ecological Risk Assessment (HERA), 2002, 8, 1675-1696.	3.4	93
23	Considerations for Capping Metal-Contaminated Sediments in Dynamic Estuarine Environments. Environmental Science & Technology, 2002, 36, 3772-3778.	10.0	75
24	Pore water testing and analysis: the good, the bad, and the ugly. Marine Pollution Bulletin, 2002, 44, 359-366.	5.0	113
25	Effect of Short-Term Resuspension Events on the Oxidation of Cadmium, Lead, and Zinc Sulfide Phases in Anoxic Estuarine Sediments. Environmental Science & Technology, 2000, 34, 4533-4537.	10.0	129
26	Assessing the health of sediment ecosystems: use of chemical measurements. Freshwater Biology, 1999, 41, 361-372.	2.4	54
27	Constant current cathodic stripping potentiometric determination of arsenic on a mercury film electrode in the presence of copper ions. Analytica Chimica Acta, 1999, 381, 207-213.	5.4	43
28	Quality Assurance in Environmental Monitoring. Marine Pollution Bulletin, 1999, 39, 23-31.	5.0	32
29	Heavy metals in waters and sediments of Port Phillip Bay, Australia. Marine and Freshwater Research, 1999, 50, 503.	1.3	36
30	Practical improvements for redox potential (EH) measurements and the application of a multiple-electrode redox probe (MERP) for characterising sediment in situ. Analytica Chimica Acta, 1998, 367, 201-213.	5.4	37
31	Effect of Short-Term Resuspension Events on Trace Metal Speciation in Polluted Anoxic Sediments. Environmental Science & Technology, 1998, 32, 620-625.	10.0	280
32	Baseline trace metal concentrations in New South Wales coastal waters. Marine and Freshwater Research, 1998, 49, 203.	1.3	34
33	Determination of the mercury complexation capacity of natural waters by anodic stripping voltammetry. Analytica Chimica Acta, 1997, 350, 129-134.	5.4	40
34	Determination of sub-nanomolar concentrations of lead in sea water by adsorptive stripping voltammetry with xylenol orange. Analytica Chimica Acta, 1995, 309, 95-101.	5.4	42
35	Ash distribution and metal contents of Lake Illawarra bottom sediments. Marine and Freshwater Research, 1994, 45, 977.	1.3	22
36	Rapid detection of sewage contamination in marine waters using a fluorimetric assay of β -D-galactosidase activity. Science of the Total Environment, 1994, 141, 175-180.	8.0	32

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37	Tetracycline in antifouling paints. <i>Marine Pollution Bulletin</i> , 1993, 26, 96-100.	5.0	33
38	Chemical indicators of sediment chronology. <i>Marine and Freshwater Research</i> , 1993, 44, 635.	1.3	24
39	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> , 1992, 122, 301-314.	8.0	56
40	The ability of sediment extractants to measure the bioavailability of metals to three marine invertebrates. <i>Science of the Total Environment</i> , 1992, 125, 67-84.	8.0	53
41	Comparative studies of adsorption of polycyclic aromatic hydrocarbons by fly ashes from the combustion of some Australian coals. <i>Environmental Science & Technology</i> , 1988, 22, 322-327.	10.0	17
42	Application of polymer-coated glassy carbon electrodes in anodic stripping voltammetry. <i>Analytical Chemistry</i> , 1987, 59, 1608-1614.	6.5	218
43	Differential-pulse polarographic determination of selenium species in contaminated waters. <i>Analytica Chimica Acta</i> , 1986, 187, 109-116.	5.4	47
44	Electroanalytical techniques for the determination of heavy metals in seawater. <i>Marine Chemistry</i> , 1983, 12, 107-117.	2.3	37
45	Adsorption as a control of metal concentrations in sediment extracts. <i>Environmental Science & Technology</i> , 1980, 14, 314-318.	10.0	195
46	The effect of surfactants on the concentration of heavy metals from natural waters on chelex-100 resin. <i>Analytica Chimica Acta</i> , 1978, 99, 333-342.	5.4	34
47	Irradiation techniques for the release of bound heavy metals in natural waters and blood. <i>Analytica Chimica Acta</i> , 1978, 99, 283-292.	5.4	78
48	A study of copper, lead and cadmium speciation in some estuarine and coastal marine waters. <i>Estuarine and Coastal Marine Science</i> , 1978, 7, 59-70.	0.9	78
49	Determination of the chemical forms of trace metals in natural waters, with special reference to copper, lead, cadmium and zinc. <i>Talanta</i> , 1977, 24, 151-158.	5.5	207
50	Determination of heavy metals in sea water by atomic absorption spectrometry after electrodeposition on pyrolytic graphite-coated tubes. <i>Analytical Chemistry</i> , 1977, 49, 2031-2035.	6.5	90
51	Sampling and storage of natural waters for trace metal analysis. <i>Water Research</i> , 1977, 11, 745-756.	11.3	185
52	Trace metals species in sea-water. <i>Talanta</i> , 1976, 23, 179-186.	5.5	230
53	Determination of the chemical forms of dissolved cadmium, lead and copper in seawater. <i>Marine Chemistry</i> , 1976, 4, 347-363.	2.3	149
54	A Novel Scheme for the Classification of Heavy Metal Species in Natural Waters. <i>Analytical Letters</i> , 1976, 9, 379-388.	1.8	93

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55	Removal of trace metals from seawater by a chelating resin. <i>Talanta</i> , 1975, 22, 201-204.	5.5	85
56	Studies of topochemical heterogeneous catalysis 3. Catalysis of the reduction of metal oxides by hydrogen. <i>Journal of Catalysis</i> , 1974, 34, 368-375.	6.2	58
57	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> , 1968, 90, 6051-6056.	13.7	30
58	Studies in the stereochemistry of zinc(II). V. Zinc complexes with N-alkylsalicylaldehydes. <i>Australian Journal of Chemistry</i> , 1967, 20, 877.	0.9	56
59	Studies in the stereochemistry of zinc(II). VI. Zinc complexes with quadridentate Schiff bases. <i>Australian Journal of Chemistry</i> , 1967, 20, 885.	0.9	41