Dianne F Jolley

List of Publications by Year
in descending order

103	3,740	168829	169272
papers	citations	31 h-index	56 g-index

103	103	103	4303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exposure duration and composition are important variables to predict short-term toxicity of effluents to a tropical copepod, Acartia sinjiensis. Environmental Pollution, 2022, 301, 119012.	3.7	2
2	Pulseâ€Exposure Toxicity of Ammonia and Propoxur to the Tropical Copepod Acartia sinjiensis. Environmental Toxicology and Chemistry, 2022, 41, 208-218.	2.2	3
3	The influence of hardness at varying pH on zinc toxicity and lability to a freshwater microalga, Chlorella sp.. Environmental Sciences: Processes and Impacts, 2022, 24, 783-793.	1.7	5
4	Speciation of nickel and its toxicity to Chlorella sp. in the presence of three distinct dissolved organic matter (DOM). Chemosphere, 2021, 273, 128454.	4.2	17
5	Toxicity of Herbicide Mixtures to Tropical Freshwater Microalgae Using a Multispecies Test. Environmental Toxicology and Chemistry, 2021, 40, 473-486.	2.2	5
6	Assessing metal contaminants in Antarctic soils using diffusive gradients in thin-films. Chemosphere, 2021, 269, 128675.	4.2	7
7	Development of a bioavailabilityâ€based risk assessment framework for nickel in Southeast Asia and Melanesia. Integrated Environmental Assessment and Management, 2021, 17, 802-813.	1.6	2
8	The Diffusive Gradients in Thin Films Technique Predicts Sediment Nickel Toxicity to the Amphipod Melita plumulosa. Environmental Toxicology and Chemistry, 2021, 40, 1266-1278.	2.2	6
9	Metabarcoding Reveals Changes in Benthic Eukaryote and Prokaryote Community Composition along a Tropical Marine Sediment Nickel Gradient. Environmental Toxicology and Chemistry, 2021, 40, 1892-1905.	2.2	7
10	Effect of Dissolved Organic Matter Concentration and Source on the Chronic Toxicity of Copper and Nickel Mixtures to Chlorella sp.. Environmental Toxicology and Chemistry, 2021, 40, 1906-1916.	2.2	6
11	The effects of pulse exposures of metal toxicants on different life stages of the tropical copepod Acartia sinjiensis. Environmental Pollution, 2021, 285, 117212.	3.7	6
12	The Influence of pH on Zinc Lability and Toxicity to a Tropical Freshwater Microalga. Environmental Toxicology and Chemistry, 2021, 40, 2836-2845.	2.2	8
13	Metal lability and environmental risk in anthropogenically disturbed Antarctic melt streams. Environmental Pollution, 2021, 287, 117627.	3.7	3
14	The microalgaPhaeocystis antarcticais tolerant to salinity and metal mixture toxicity interactions. Environmental Sciences: Processes and Impacts, 2021, 23, 1362-1375.	1.7	4
15	Assessing the Risk of Metals and Their Mixtures in the Antarctic Nearshore Marine Environment with Diffusive Gradients in Thin-Films. Environmental Science & Technology, 2020, 54, 306-315.	4.6	14
16	Interactive effects of arsenic and antimony on Ipomoea aquatica growth and bioaccumulation in co-contaminated soil. Environmental Pollution, 2020, 259, 113830.	3.7	18
17	DGT and selective extractions reveal differences in arsenic and antimony uptake by the white icicle radish (Raphanus sativus). Environmental Pollution, 2020, 259, 113815.	3.7	15
18	Amelioration of copper toxicity to a tropical freshwater microalga: Effect of natural DOM source and season. Environmental Pollution, 2020, 266, 115141.	3.7	16

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19	Influence of Soil Phosphate on the Accumulation and Toxicity of Arsenic and Antimony in Choy Sum Cultivated in Individually and Coâ€contaminated Soils. Environmental Toxicology and Chemistry, 2020, 39, 1233-1243.	2.2	2
20	Effects of dissolved nickel and nickel-contaminated suspended sediment on the scleractinian coral, Acropora muricata. Marine Pollution Bulletin, 2020, 152, 110886.	2.3	10
21	Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. Integrated Environmental Assessment and Management, 2019, 15, 917-935.	1.6	19
22	Effect of Various Natural Dissolved Organic Carbon on Copper Lability and Toxicity to the Tropical Freshwater Microalga Chlorella sp.. Environmental Science & Technology, 2019, 53, 2768-2777.	4.6	30
23	Preliminary study of cellular metal accumulation in two Antarctic marine microalgae â€“ implications for mixture interactivity and dietary risk. Environmental Pollution, 2019, 252, 1582-1592.	3.7	15
24	The effect of dissolved nickel and copper on the adult coral Acropora muricata and its microbiome. Environmental Pollution, 2019, 250, 792-806.	3.7	25
25	Effects of copper on the dinoflagellate Alexandrium minutum and its allelochemical potency. Aquatic Toxicology, 2019, 210, 251-261.	1.9	18
26	Development and application of a multispecies toxicity test with tropical freshwater microalgae. Environmental Pollution, 2019, 250, 97-106.	3.7	20
27	Diffusive Gradients in Thin Films Can Predict the Toxicity of Metal Mixtures to Two Microalgae: Validation for Environmental Monitoring in Antarctic Marine Conditions. Environmental Toxicology and Chemistry, 2019, 38, 1323-1333.	2.2	19
28	Dissolved organic matter signatures vary between naturally acidic, circumneutral and groundwater-fed freshwaters in Australia. Water Research, 2018, 137, 184-192.	5.3	43
29	The use of time-averaged concentrations of metals to predict the toxicity of pulsed complex effluent exposures to a freshwater alga. Environmental Pollution, 2018, 238, 607-616.	3.7	13
30	As and Sb are more labile and toxic to water spinach (Ipomoea aquatica) in recently contaminated soils than historically co-contaminated soils. Environmental Sciences: Processes and Impacts, 2018, 20, 833-844.	1.7	6
31	Assessment of metal concentrations in the SOD1G93A mouse model of amyotrophic lateral sclerosis and its potential role in muscular denervation, with particular focus on muscle tissue. Molecular and Cellular Neurosciences, 2018, 88, 319-329.	1.0	2
32	Allelochemicals from Alexandrium minutum induce rapid inhibition of metabolism and modify the membranes from Chaetoceros muelleri. Algal Research, 2018, 35, 508-518.	2.4	28
33	Field and laboratory evaluation of DGT for predicting metal bioaccumulation and toxicity in the freshwater bivalve Hyridella australis exposed to contaminated sediments. Environmental Pollution, 2018, 243, 862-871.	3.7	25
34	Contrasting effects of bioturbation on metal toxicity of contaminated sediments results in misleading interpretation of the AVSâ€“SEM metal-sulfide paradigm. Environmental Sciences: Processes and Impacts, 2018, 20, 1285-1296.	1.7	11
35	Assessing the chronic toxicity of nickel to a tropical marine gastropod and two crustaceans. Ecotoxicology and Environmental Safety, 2018, 159, 284-292.	2.9	18
36	Assisted natural recovery of hypersaline sediments: salinity thresholds for the establishment of a community of bioturbating organisms. Environmental Sciences: Processes and Impacts, 2018, 20, 1244-1253.	1.7	6

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37	Chronic toxicity of an environmentally relevant and equitoxic ratio of five metals to two Antarctic marine microalgae shows complex mixture interactivity. Environmental Pollution, 2018, 242, 1319-1330.	3.7	29
38	A rapid quantitative fluorescence-based bioassay to study allelochemical interactions from Alexandrium minutum. Environmental Pollution, 2018, 242, 1598-1605.	3.7	25
39	Chronic toxicity of five metals to the polar marine microalga Cryothecomonas armigera â€“ Application of a new bioassay. Environmental Pollution, 2017, 228, 211-221.	3.7	34
40	Effects of enhanced bioturbation intensities on the toxicity assessment of legacy-contaminated sediments. Environmental Pollution, 2017, 226, 335-345.	3.7	14
41	Longitudinal assessment of metal concentrations and copper isotope ratios in the G93A SOD1 mouse model of amyotrophic lateral sclerosis. Metallomics, 2017, 9, 161-174.	1.0	12
42	Time-averaged concentrations are effective for predicting chronic toxicity of varying copper pulse exposures for two freshwater green algae species. Environmental Pollution, 2017, 230, 787-797.	3.7	26
43	Inhibition in fertilisation of coral gametes following exposure to nickel and copper. Ecotoxicology and Environmental Safety, 2017, 145, 32-41.	2.9	33
44	Functional Richness and Identity Do Not Strongly Affect Invasibility of Constructed Dune Communities. PLoS ONE, 2017, 12, e0169243.	1.1	7
45	A review of nickel toxicity to marine and estuarine tropical biota with particular reference to the South East Asian and Melanesian region. Environmental Pollution, 2016, 218, 1308-1323.	3.7	45
46	Analytical Thinking, Analytical Action: Using Prelab Video Demonstrations and e-Quizzes To Improve Undergraduate Preparedness for Analytical Chemistry Practical Classes. Journal of Chemical Education, 2016, 93, 1855-1862.	1.1	66
47	An automated chromatography procedure optimized for analysis of stable Cu isotopes from biological materials. Journal of Analytical Atomic Spectrometry, 2016, 31, 2023-2030.	1.6	27
48	Copper Uptake, Intracellular Localization, and Speciation in Marine Microalgae Measured by Synchrotron Radiation X-ray Fluorescence and Absorption Microspectroscopy. Environmental Science & Technology, 2016, 50, 8827-8839.	4.6	44
49	Assessing the uptake of arsenic and antimony from contaminated soil by radish (Raphanus sativus) using DGT and selective extractions. Environmental Pollution, 2016, 216, 104-114.	3.7	52
50	Assessing the Effects of Bioturbation on Metal Bioavailability in Contaminated Sediments by Diffusive Gradients in Thin Films (DGT). Environmental Science & Technology, 2016, 50, 3055-3064.	4.6	87
51	Toxicity of dissolved and precipitated aluminium to marine diatoms. Aquatic Toxicology, 2016, 174, 82-91.	1.9	42
52	The impact of sediment bioturbation by secondary organisms on metal bioavailability, bioaccumulation and toxicity to target organisms in benthic bioassays: Implications for sediment quality assessment. Environmental Pollution, 2016, 208, 590-599.	3.7	54
53	A robust bioassay to assess the toxicity of metals to the Antarctic marine microalga Phaeocystis antarctica. Environmental Toxicology and Chemistry, 2015, 34, 1578-1587.	2.2	25
54	Toxicity of fuelâ€contaminated soil to Antarctic moss and terrestrial algae. Environmental Toxicology and Chemistry, 2015, 34, 2004-2012.	2.2	18

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55	Metal Fluxes from Porewaters and Labile Sediment Phases for Predicting Metal Exposure and Bioaccumulation in Benthic Invertebrates. Environmental Science & Technology, 2015, 49, 14204-14212.	4.6	36
56	Impact of hydrocarbons from a diesel fuel on the germination and early growth of subantarctic plants. Environmental Sciences: Processes and Impacts, 2015, 17, 1238-1248.	1.7	19
57	The mismatch between bioaccumulation in field and laboratory environments: Interpreting the differences for metals in benthic bivalves. Environmental Pollution, 2015, 204, 48-57.	3.7	29
58	Time-averaged copper concentrations from continuous exposures predicts pulsed exposure toxicity to the marine diatom, Phaeodactylum tricornutum: Importance of uptake and elimination. Aquatic Toxicology, 2015, 164, 1-9.	1.9	29
59	In Situ Chemical Transformations of Silver Nanoparticles along the Waterâ€“Sediment Continuum. Environmental Science & Technology, 2015, 49, 318-325.	4.6	37
60	Metal speciation and potential bioavailability changes during discharge and neutralisation of acidic drainage water. Chemosphere, 2014, 103, 172-180.	4.2	40
61	The use of immobilised metal affinity chromatography (IMAC) to compare expression of copper-binding proteins in control and copper-exposed marine microalgae. Analytical and Bioanalytical Chemistry, 2014, 406, 305-315.	1.9	21
62	Response of the hairy mussel Trichomya hirsuta to sediment-metal contamination in the presence of a bioturbator. Marine Pollution Bulletin, 2014, 88, 180-187.	2.3	5
63	Copper-induced changes in intracellular thiols in two marine diatoms: Phaeodactylum tricornutum and Ceratoneis closterium. Aquatic Toxicology, 2014, 156, 211-220.	1.9	18
64	Diffusive Gradients in Thin Films Technique Provide Robust Prediction of Metal Bioavailability and Toxicity in Estuarine Sediments. Environmental Science & Technology, 2014, 48, 4485-4494.	4.6	82
65	Arrival order among native plant functional groups does not affect invasibility of constructed dune communities. Oecologia, 2013, 173, 557-568.	0.9	15
66	An evaluation of ferrihydrite- and Metsorbâ„¢-DGT techniques for measuring oxyanion species (As, Se,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	61
67	Slow Avoidance Response to Contaminated Sediments Elicits Sublethal Toxicity to Benthic Invertebrates. Environmental Science & Technology, 2013, 47, 5947-5953.	4.6	27
68	Avoidance of contaminated sediments by an amphipod (Melita plumulosa), A harpacticoid copepod (Nitocra spinipes), and a snail (Phallomedusa solida). Environmental Toxicology and Chemistry, 2013, 32, 644-652.	2.2	23
69	Inorganic arsenic and iron(II) distributions in sediment porewaters investigated by a combined DGTâ€“colourimetric DET technique. Environmental Chemistry, 2012, 9, 31.	0.7	18
70	DGT-Induced Copper Flux Predicts Bioaccumulation and Toxicity to Bivalves in Sediments with Varying Properties. Environmental Science & Technology, 2012, 46, 9038-9046.	4.6	76
71	Investigating Arsenic Speciation and Mobilization in Sediments with DGT and DET: A Mesocosm Evaluation of Oxic-Anoxic Transitions. Environmental Science & Technology, 2012, 46, 3981-3989.	4.6	72
72	Optimization of colorimetric DET technique for the in situ, two-dimensional measurement of iron(II) distributions in sediment porewaters. Talanta, 2012, 88, 490-495.	2.9	28

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73	Impact of copper exposure on Pseudo-nitzschia spp. physiology and domoic acid production. Aquatic Toxicology, 2012, 118-119, 37-47.	1.9	25
74	Oxidation of acid-volatile sulfide in surface sediments increases the release and toxicity of copper to the benthic amphipod Melita plumulosa. Chemosphere, 2012, 88, 953-961.	4.2	88
75	Speciation of Dissolved Inorganic Arsenic by Diffusive Gradients in Thin Films: Selective Binding of As^{III} by 3-Mercaptopropyl-Functionalized Silica Gel. Analytical Chemistry, 2011, 83, 8293-8299.	3.2	92
76	An Assessment of Three Harpacticoid Copepod Species for Use in Ecotoxicological Testing. Archives of Environmental Contamination and Toxicology, 2011, 61, 414-425.	2.1	22
77	The influence of sediment particle size and organic carbon on toxicity of copper to benthic invertebrates in oxic/suboxic surface sediments. Environmental Toxicology and Chemistry, 2011, 30, 1599-1610.	2.2	97
78	The effect of field-collected biofilms on the toxicity of copper to a marine microalga (Tetraselmis sp.) in laboratory bioassays. Marine and Freshwater Research, 2011, 62, 1362.	0.7	4
79	Spatial variability of cadmium, copper, manganese, nickel and zinc in the Port Curtis Estuary, Queensland, Australia. Marine and Freshwater Research, 2010, 61, 170.	0.7	28
80	Toxicity to Melita plumulosa from intermittent and continuous exposures to dissolved copper. Environmental Toxicology and Chemistry, 2010, 29, 2823-2830.	2.2	36
81	New Diffusive Gradients in a Thin Film Technique for Measuring Inorganic Arsenic and Selenium(IV) Using a Titanium Dioxide Based Adsorbent. Analytical Chemistry, 2010, 82, 7401-7407.	3.2	123
82	The Gladstone (Australia) oil spill â€“ Impacts on intertidal areas: Baseline and six months post-spill. Marine Pollution Bulletin, 2009, 58, 263-271.	2.3	17
83	The effect of bacteria on the sensitivity of microalgae to copper in laboratory bioassays. Chemosphere, 2009, 74, 1266-1274.	4.2	36
84	Differences in soft-sediment macrobenthic assemblages invaded by Caulerpa taxifolia compared to uninvaded habitats. Marine Ecology - Progress Series, 2009, 380, 59-71.	0.9	51
85	An assessment of an oil spill in Gladstone, Australia â€“ Impacts on intertidal areas at one month post-spill. Marine Pollution Bulletin, 2008, 57, 607-615.	2.3	24
86	Uptake and internalisation of copper by three marine microalgae: Comparison of copper-sensitive and copper-tolerant species. Aquatic Toxicology, 2008, 89, 82-93.	1.9	111
87	Effect of overlying water pH, dissolved oxygen, salinity and sediment disturbances on metal release and sequestration from metal contaminated marine sediments. Chemosphere, 2007, 69, 1428-1437.	4.2	356
88	Copper and zinc tolerance of two tropical microalgae after copper acclimation. Environmental Toxicology, 2007, 22, 234-244.	2.1	53
89	Sensitivity of marine microalgae to copper: The effect of biotic factors on copper adsorption and toxicity. Science of the Total Environment, 2007, 387, 141-154.	3.9	182
90	Inorganic nitrogen transformations in the treatment of landfill leachate with a high ammonium load: A case study. Environmental Monitoring and Assessment, 2007, 124, 51-61.	1.3	21

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91	Application of surrogate methods for assessing the bioavailability of PAHs in sediments to a sediment ingesting bivalve. Chemosphere, 2006, 65, 2401-2410.	4.2	17
92	TOXICITY, BIOTRANSFORMATION, AND MODE OF ACTION OF ARSENIC IN TWO FRESHWATER MICROALGAE (CHLORELLA SP. AND MONORAPHIDIUM ARCUATUM). Environmental Toxicology and Chemistry, 2005, 24, 2630.	2.2	179
93	An Assessment of Five Australian Polychaetes and Bivalves for Use in Whole-Sediment Toxicity Tests: Toxicity and Accumulation of Copper and Zinc from Water and Sediment. Archives of Environmental Contamination and Toxicology, 2004, 47, 314-23.	2.1	63
94	Metal equilibration in laboratory-contaminated (spiked) sediments used for the development of whole-sediment toxicity tests. Chemosphere, 2004, 54, 597-609.	4.2	183
95	Processes controlling metal transport and retention as metal-contaminated groundwaters efflux through estuarine sediments. Chemosphere, 2004, 56, 821-831.	4.2	28
96	Selenium accumulation in the cockle Anadara trapezia. Environmental Pollution, 2004, 132, 203-212.	3.7	16
97	Evolution of chemical contaminant and toxicology studies, part 2 - case studies of Selenium and Arsenic. South Pacific Journal of Natural and Applied Sciences, 2003, 21, 6.	0.2	2
98	Evolution of Chemical Contaminant and Toxicology Studies, Part 1 - An Overview. South Pacific Journal of Natural and Applied Sciences, 2003, 21, 1.	0.2	3
99	Considerations for Capping Metal-Contaminated Sediments in Dynamic Estuarine Environments. Environmental Science & Technology, 2002, 36, 3772-3778.	4.6	75
100	Selenium contamination, redistribution and remobilisation in sediments of Lake Macquarie, NSW. Organic Geochemistry, 1999, 30, 1287-1300.	0.9	46
101	Rapid method for separating and quantifying orthophosphate and polyphosphates: application to sewage samples. Water Research, 1998, 32, 711-716.	5.3	16
102	Determination of Polycyclic Aromatic Hydrocarbons in Oyster Tissues by High-Performance Liquid Chromatography with Ultraviolet and Fluorescence Detection. Microchemical Journal, 1993, 47, 351-362.	2.3	13
103	Practicalities of Working with DGT. , 0, , 263-290.		3