

Damian Shea

List of Publications by Year in descending order

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95
papers

3,216
citations

126907

33
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168389

53
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96
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96
docs citations

96
times ranked

3406
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioavailability of PAHs: Effects of Soot Carbon and PAH Source. <i>Environmental Science & Technology</i> , 2004, 38, 2029-2037.	10.0	159
2	Environmental occurrence and reproductive effects of the pharmaceutical fluoxetine in native freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1311-1318.	4.3	152
3	Developing national sediment quality criteria. <i>Environmental Science & Technology</i> , 1988, 22, 1256-1261.	10.0	151
4	Calibration and Field Verification of Semipermeable Membrane Devices for Measuring Polycyclic Aromatic Hydrocarbons in Water. <i>Environmental Science & Technology</i> , 2002, 36, 1791-1797.	10.0	129
5	Acute and chronic toxicity of technical grade pesticides to glochidia and juveniles of freshwater mussels (unionidae). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2086-2093.	4.3	117
6	Vectorial transport of toxins from the dinoflagellate <i>Gymnodinium breve</i> through copepods to fish. <i>Journal of Plankton Research</i> , 2000, 22, 47-62.	1.8	100
7	Accumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices and <i>Mytilus edulis</i> in New Bedford Harbor. <i>Environmental Science & Technology</i> , 1997, 31, 154-159.	10.0	88
8	The solubility of copper in sulfidic waters: Sulfide and polysulfide complexes in equilibrium with covellite. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 1815-1825.	3.9	87
9	Acute and chronic toxicity of glyphosate compounds to glochidia and juveniles of <i>Lampsilis siliquoidea</i> (unionidae). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2094-2100.	4.3	87
10	Biomarkers of hydrocarbon exposure and sublethal effects in embiotocid fishes from a natural petroleum seep in the Santa Barbara Channel. <i>Aquatic Toxicology</i> , 1996, 34, 195-219.	4.0	83
11	Increased Toxicity of <i>Karenia brevis</i> during Phosphate Limited Growth: Ecological and Evolutionary Implications. <i>PLoS ONE</i> , 2013, 8, e58545.	2.5	72
12	Analysis of chlorothalonil and degradation products in soil and water by GC/MS and LC/MS. <i>Chemosphere</i> , 2008, 71, 629-638.	8.2	67
13	Separation of Polycyclic Aromatic Hydrocarbons by Nonaqueous Capillary Electrophoresis Using Charge-Transfer Complexation with Planar Organic Cations. <i>Analytical Chemistry</i> , 1997, 69, 1223-1229.	6.5	63
14	Screening Nonionic Surfactants for Enhanced Biodegradation of Polycyclic Aromatic Hydrocarbons Remaining in Soil After Conventional Biological Treatment. <i>Environmental Science & Technology</i> , 2016, 50, 3838-3845.	10.0	58
15	Pharmaceutical occurrence in groundwater and surface waters in forests land applied with municipal wastewater. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 898-905.	4.3	55
16	METABOLIC ANDROGENIZATION OF FEMALE DAPHNIA MAGNA BY THE XENOESTROGEN 4-NONYLPHENOL. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1905.	4.3	53
17	Herbicide analysis by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 1996, 745, 201-208.	3.7	52
18	Determination of hydrophilic thiols in sediment porewater using ion-pair liquid chromatography coupled to electrochemical detection. <i>Analytical Chemistry</i> , 1988, 60, 1449-1454.	6.5	51

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19	Solubility product constants of covellite and a poorly crystalline copper sulfide precipitate at 298 K. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 229-236.	3.9	51
20	Fluorescent Receptor Binding Assay for Detecting Ciguatoxins in Fish. <i>PLoS ONE</i> , 2016, 11, e0153348.	2.5	50
21	Species, tissue and gender-related organochlorine bioaccumulation in white-sided dolphins, pilot whales and their common prey in the northwest Atlantic. <i>Marine Environmental Research</i> , 2001, 51, 29-50.	2.5	49
22	NITROGEN LIMITATION INCREASES BREVETOXINS IN <i>KARENIA BREVIS</i> (DINOPHYCEAE): IMPLICATIONS FOR BLOOM TOXICITY. <i>Journal of Phycology</i> , 2012, 48, 844-858.	2.3	49
23	Acute and chronic toxicity of pesticide formulations (atrazine, chlorpyrifos, and permethrin) to glochidia and juveniles of <i>Lampsilis siliquoidea</i> . <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2101-2107.	4.3	48
24	Trends in hepatic tumours and hydropic vacuolation, fin erosion, organic chemicals and stable isotope ratios in winter flounder from Massachusetts, USA. <i>Marine Pollution Bulletin</i> , 1996, 32, 458-470.	5.0	47
25	Induction and post-transcriptional suppression of hepatic cytochrome p450 1a1 by 3,3',4,4'-tetrachlorobiphenyl. <i>Biochemical Pharmacology</i> , 1997, 53, 1029-1040.	4.4	47
26	Altered Metabolic Elimination of Testosterone and Associated Toxicity Following Exposure of <i>Daphnia magna</i> to Nonylphenol Polyethoxylate. <i>Ecotoxicology and Environmental Safety</i> , 1998, 39, 104-111.	6.0	46
27	Separation of acidic solutes by nonaqueous capillary electrophoresis in acetonitrile-based media. <i>Journal of Chromatography A</i> , 2000, 888, 251-266.	3.7	46
28	Environmental fate of chlorothalonil in a Costa Rican banana plantation. <i>Chemosphere</i> , 2007, 69, 1166-1174.	8.2	44
29	In vitro screening for population variability in toxicity of pesticide-containing mixtures. <i>Environment International</i> , 2015, 85, 147-155.	10.0	39
30	Effect of silver nanoparticles on gill membranes of common carp: Modification of fatty acid profile, lipid peroxidation and membrane fluidity. <i>Environmental Pollution</i> , 2020, 256, 113504.	7.5	38
31	Comparison of emerging contaminants in receiving waters downstream of a conventional wastewater treatment plant and a forest-water reuse system. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12451-12463.	5.3	37
32	Bioaccumulation patterns of polychlorinated biphenyls and chlorinated pesticides in Northwest Atlantic pilot whales. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 667-677.	4.3	35
33	Analysis of primisulfuron and triasulfuron in water and soil samples by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 1997, 766, 225-231.	3.7	34
34	Assessing Organic Contaminants in Fish: A Comparison of a Nonlethal Tissue Sampling Technique to Mobile and Stationary Passive Sampling Devices. <i>Environmental Science & Technology</i> , 2005, 39, 7601-7608.	10.0	34
35	Relationships among water column toxins, cell abundance and chlorophyll concentrations during <i>Karenia brevis</i> blooms. <i>Continental Shelf Research</i> , 2008, 28, 59-72.	1.8	34
36	Enantiomeric and isomeric separation of herbicides using cyclodextrin-modified capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1997, 790, 225-234.	3.7	33

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37	Role of biogenic thiols in the solubility of sulfide minerals. <i>Science of the Total Environment</i> , 1988, 73, 135-141.	8.0	32
38	Organochlorine exposure and bioaccumulation in the endangered Northwest Atlantic right whale (<i>Eubalaena glacialis</i>) population. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 654-666.	4.3	31
39	Systemic administration of diarylpropionitrile (DPN) or phytoestrogens does not affect anxiety-related behaviors in gonadally intact male rats. <i>Hormones and Behavior</i> , 2009, 55, 319-328.	2.1	31
40	Toxicological responses of environmental mixtures: Environmental metal mixtures display synergistic induction of metal-responsive and oxidative stress genes in placental cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 289, 534-541.	2.8	31
41	Impact of Vegetation on Sedimentary Organic Matter Composition and Polycyclic Aromatic Hydrocarbon Attenuation. <i>Environmental Science & Technology</i> , 2005, 39, 5285-5292.	10.0	30
42	Determination of brevetoxin in recent marine sediments. <i>Chemosphere</i> , 2008, 73, 1373-1377.	8.2	28
43	Bioavailability of (Geno)toxic Contaminants in Polycyclic Aromatic Hydrocarbon-Contaminated Soil Before and After Biological Treatment. <i>Environmental Engineering Science</i> , 2014, 31, 176-182.	1.6	28
44	Metabolic profiling of silver nanoparticle toxicity in <i>Microcystis aeruginosa</i> . <i>Environmental Science: Nano</i> , 2018, 5, 2519-2530.	4.3	28
45	Analysis of brevetoxins by micellar electrokinetic capillary chromatography and laser-induced fluorescence detection. <i>Electrophoresis</i> , 1997, 18, 277-283.	2.4	26
46	Semipermeable membrane devices accumulate conserved ratios of sterane and hopane petroleum biomarkers. <i>Chemosphere</i> , 2003, 53, 705-713.	8.2	25
47	Enantiomeric and Isomeric Separation of Pesticides by Cyclodextrin-Modified Micellar Electrokinetic Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 1999, 82, 1550-1561.	1.5	24
48	In vitro metabolism of polychlorinated biphenyl congeners by beluga whale (<i>Delphinapterus leucas</i>) and pilot whale (<i>Globicephala melas</i>) and relationship to cytochrome P450 expression. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000, 126, 267-284.	0.5	24
49	Acute Toxicity and Tissue Distributions of Malathion in <i>Ambystoma tigrinum</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 481-487.	4.1	24
50	Effects of lead on Na ⁺ , K ⁺ -ATPase and hemolymph ion concentrations in the freshwater mussel <i>Elliptio complanata</i> . <i>Environmental Toxicology</i> , 2012, 27, 268-276.	4.0	24
51	Elimination Rate Constants of 46 Polycyclic Aromatic Hydrocarbons in the Unionid Mussel, <i>Elliptio complanata</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 332-40.	4.1	23
52	Investigation of ciguatoxins in invasive lionfish from the greater caribbean region: Implications for fishery development. <i>PLoS ONE</i> , 2018, 13, e0198358.	2.5	22
53	A novel in-vitro technique for studying percutaneous permeation with a membrane-coated fiber and gas chromatography/mass spectrometry: part I. Performances of the technique and determination of the permeation rates and partition coefficients of chemical mixtures. <i>Pharmaceutical Research</i> , 2003, 20, 275-282.	3.5	21
54	Improving Polycyclic Aromatic Hydrocarbon Biodegradation in Contaminated Soil Through Low-Level Surfactant Addition After Conventional Bioremediation. <i>Environmental Engineering Science</i> , 2016, 33, 659-670.	1.6	21

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55	Relation of contaminants to fish intersex in riverine sport fishes. <i>Science of the Total Environment</i> , 2018, 643, 73-89.	8.0	21
56	Temporal Relationship of Thiols to Inorganic Sulfur Compounds in Anoxic Chesapeake Bay Sediment Porewater. <i>ACS Symposium Series</i> , 1995, , 294-310.	0.5	20
57	Understanding the influence of multiple pollutant stressors on the decline of freshwater mussels in a biodiversity hotspot. <i>Science of the Total Environment</i> , 2021, 773, 144757.	8.0	19
58	ORGANOCHLORINE EXPOSURE AND BIOACCUMULATION IN THE ENDANGERED NORTHWEST ATLANTIC RIGHT WHALE (<i>EUBALAENA GLACIALIS</i>) POPULATION. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 654.	4.3	19
59	Kinetics of inhibited crystal growth: Precipitation of CuS from solutions containing chelated copper(II). <i>Journal of Colloid and Interface Science</i> , 1987, 116, 373-383.	9.4	17
60	Separation of hydrophobic solutes by nonaqueous capillary electrophoresis through dipolar and charge-transfer interactions with pyrylium salts. <i>Journal of Separation Science</i> , 1998, 10, 681-685.	1.0	16
61	Novel Hydrophobicity Ruler Approach for Determining the Octanol/Water Partition Coefficients of Very Hydrophobic Compounds via Their Polymer/Solvent Solution Distribution Coefficients. <i>Analytical Chemistry</i> , 2005, 77, 1275-1281.	6.5	16
62	Pharmaceuticals in a temperate forest-water reuse system. <i>Science of the Total Environment</i> , 2017, 581-582, 705-714.	8.0	16
63	Cadmium disrupts signaling of the hypoxia-inducible (HIF) and transforming growth factor (TGF- β) pathways in placental JEG-3 trophoblast cells via reactive oxygen species. <i>Toxicology and Applied Pharmacology</i> , 2018, 342, 108-115.	2.8	16
64	Increased cellular brevetoxins in the red tide dinoflagellate <i>Karenia brevis</i> under CO ₂ limitation of growth rate: Evolutionary implications and potential effects on bloom toxicity. <i>Limnology and Oceanography</i> , 2014, 59, 560-577.	3.1	15
65	Expanded coverage of non-targeted LC-HRMS using atmospheric pressure chemical ionization: a case study with ENTACT mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4931-4939.	3.7	15
66	A Retrospective Analysis of Agricultural Herbicides in Surface Water Reveals Risk Plausibility for Declines in Submerged Aquatic Vegetation. <i>Toxics</i> , 2017, 5, 21.	3.7	14
67	Suspect screening and prioritization of chemicals of concern (COCs) in a forest-water reuse system watershed. <i>Science of the Total Environment</i> , 2019, 694, 133378.	8.0	13
68	Assessing toxicity of contaminants in riverine suspended sediments to freshwater mussels. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 395-407.	4.3	12
69	INFLUENCE OF WATER QUALITY AND ASSOCIATED CONTAMINANTS ON SURVIVAL AND GROWTH OF THE ENDANGERED CAPE FEAR SHINER (<i>NOTROPIS MEKISTOCHOLAS</i>). <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2288.	4.3	11
70	Contaminants in tropical island streams and their biota. <i>Environmental Research</i> , 2018, 161, 615-623.	7.5	10
71	Polycyclic aromatic hydrocarbons in surface waters, sediments, and unionid mussels: relation to road crossings and implications for chronic mussel exposure. <i>Hydrobiologia</i> , 2018, 810, 465-476.	2.0	10
72	Separation of fungicides by micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , 1997, 18, 235-240.	2.4	9

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73	Regression method of the hydrophobicity ruler approach for determining octanol/water partition coefficients of very hydrophobic compounds. <i>Chemosphere</i> , 2007, 66, 1086-1093.	8.2	9
74	Analysis of benzo[a]pyrene-DNA adducts by capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 719-720.	1.4	7
75	A Comparison of Two Exposure Systems to Apply Malathion to <i>Lumbricus terrestris</i> L. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 78, 427-431.	2.7	7
76	Comment on "Accumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices and <i>Mytilus edulis</i> in New Bedford Harbor". <i>Environmental Science & Technology</i> , 1997, 31, 3732-3733.	10.0	6
77	Modeling pesticide fate in a small tidal estuary. <i>Ecological Modelling</i> , 2007, 200, 149-159.	2.5	6
78	Nonmajors' Shifts in Attitudes & Perceptions of Biology & Biologists Following an Active-Learning Course. <i>American Biology Teacher</i> , 2016, 78, 43-48.	0.2	6
79	Ecological Risk Assessment. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 112, 323-348.	1.7	5
80	PAH-pollution effects on sensitive and resistant embryos: Integrating structure and function with gene expression. <i>PLoS ONE</i> , 2021, 16, e0249432.	2.5	5
81	Suspect-screening analysis of a coastal watershed before and after Hurricane Florence using high-resolution mass spectrometry. <i>Science of the Total Environment</i> , 2021, 782, 146862.	8.0	5
82	Accumulation of brevetoxins by passive sampling devices. <i>African Journal of Marine Science</i> , 2006, 28, 379-381.	1.1	4
83	Development of a Dynamic Pharmacokinetic Model to Estimate Bioconcentration of Xenobiotics in Earthworms. <i>Environmental Modeling and Assessment</i> , 2009, 14, 411-418.	2.2	4
84	Assessing water quality suitability for shortnose sturgeon in the Roanoke River, North Carolina, USA with an in situ bioassay approach. <i>Journal of Applied Ichthyology</i> , 2011, 27, 1-12.	0.7	4
85	Separation of hydrophilic thiols using reversed-phase chromatography with trihaloacetate buffers. <i>Journal of Chromatography A</i> , 1988, 457, 111-125.	3.7	3
86	Transport of Sewage Sludge From the 106-Mile Site - Results From an October Survey. <i>Chemistry and Ecology</i> , 1992, 7, 195-231.	1.6	3
87	The Bennett's Millpond Environmental Learning Project: Place-Based Education with Student-Teacher Research Teams. <i>ASTE Series in Science Education</i> , 2015, , 255-274.	0.1	3
88	Assessment of the Effect of Varying Soil Organic Matter Content on the Bioavailability of Malathion to the Common Nightcrawler, <i>Lumbricus terrestris</i> L.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 220-224.	2.7	2
89	Toxicokinetics of Environmental Contaminants in Freshwater Bivalves. , 2006, , 169-213.		2
90	BIOACCUMULATION PATTERNS OF POLYCHLORINATED BIPHENYLS AND CHLORINATED PESTICIDES IN NORTHWEST ATLANTIC PILOT WHALES. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 667.	4.3	1

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91	Non-target and suspect-screening analyses of hydroponic soybeans and passive samplers exposed to different watershed irrigation sources. <i>Science of the Total Environment</i> , 2022, 826, 153754.	8.0	1
92	Response to Comment on "Accumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices and <i>Mytilus edulis</i> in New Bedford Harbor". <i>Environmental Science & Technology</i> , 1997, 31, 3734-3735.	10.0	0
93	Assessment of Polycyclic Aromatic Hydrocarbon Contamination of Breeding Pools Utilized by the Puerto Rican Crested Toad, <i>Peltophryne lemur</i> . <i>ISRN Toxicology</i> , 2012, 2012, 1-7.	2.7	0
94	Incorporating Oil / Water Partitioning in Risk Calculations for PAHs in Petroleum Impacted Soils and Sediments. <i>Soil and Sediment Contamination</i> , 2022, 31, 115-132.	1.9	0
95	Cardiac physiology and metabolic gene expression during late organogenesis among <i>F. heteroclitus</i> embryo families from crosses between pollution-sensitive and -resistant parents. <i>Bmc Ecology and Evolution</i> , 2022, 22, 3.	1.6	0