Damian Shea

List of Publications by Year
in descending order

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95 papers	3,216 citations	126907 33 h-index	168389 53 g-index
96 all docs	96 docs citations	96 times ranked	3406 citing authors

#	Article	IF	Citations
1	Incorporating Oil / Water Partitioning in Risk Calculations for PAHs in Petroleum Impacted Soils and Sediments. Soil and Sediment Contamination, 2022, 31, 115-132.	1.9	0
2	Cardiac physiology and metabolic gene expression during late organogenesis among F. heteroclitus embryo families from crosses between pollution-sensitive and -resistant parents. Bmc Ecology and Evolution, 2022, 22, 3.	1.6	0
3	Non-target and suspect-screening analyses of hydroponic soybeans and passive samplers exposed to different watershed irrigation sources. Science of the Total Environment, 2022, 826, 153754.	8.0	1
4	PAH-pollution effects on sensitive and resistant embryos: Integrating structure and function with gene expression. PLoS ONE, 2021, 16, e0249432.	2.5	5
5	Understanding the influence of multiple pollutant stressors on the decline of freshwater mussels in a biodiversity hotspot. Science of the Total Environment, 2021, 773, 144757.	8.0	19
6	Suspect-screening analysis of a coastal watershed before and after Hurricane Florence using high-resolution mass spectrometry. Science of the Total Environment, 2021, 782, 146862.	8.0	5
7	Effect of silver nanoparticles on gill membranes of common carp: Modification of fatty acid profile, lipid peroxidation and membrane fluidity. Environmental Pollution, 2020, 256, 113504.	7.5	38
8	Expanded coverage of non-targeted LC-HRMS using atmospheric pressure chemical ionization: a case study with ENTACT mixtures. Analytical and Bioanalytical Chemistry, 2020, 412, 4931-4939.	3.7	15
9	Suspect screening and prioritization of chemicals of concern (COCs) in a forest-water reuse system watershed. Science of the Total Environment, 2019, 694, 133378.	8.0	13
10	Comparison of emerging contaminants in receiving waters downstream of a conventional wastewater treatment plant and a forest-water reuse system. Environmental Science and Pollution Research, 2018, 25, 12451-12463.	5.3	37
11	Cadmium disrupts signaling of the hypoxia-inducible (HIF) and transforming growth factor (TGF-Î²) pathways in placental JEG-3 trophoblast cells via reactive oxygen species. Toxicology and Applied Pharmacology, 2018, 342, 108-115.	2.8	16
12	Contaminants in tropical island streams and their biota. Environmental Research, 2018, 161, 615-623.	7.5	10
13	Polycyclic aromatic hydrocarbons in surface waters, sediments, and unionid mussels: relation to road crossings and implications for chronic mussel exposure. Hydrobiologia, 2018, 810, 465-476.	2.0	10
14	Metabolic profiling of silver nanoparticle toxicity in Microcystis aeruginosa. Environmental Science: Nano, 2018, 5, 2519-2530.	4.3	28
15	Relation of contaminants to fish intersex in riverine sport fishes. Science of the Total Environment, 2018, 643, 73-89.	8.0	21
16	Investigation of ciguatoxins in invasive lionfish from the greater caribbean region: Implications for fishery development. PLoS ONE, 2018, 13, e0198358.	2.5	22
17	Pharmaceuticals in a temperate forest-water reuse system. Science of the Total Environment, 2017, 581-582, 705-714.	8.0	16
18	Assessing toxicity of contaminants in riverine suspended sediments to freshwater mussels. Environmental Toxicology and Chemistry, 2017, 36, 395-407.	4.3	12

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19	A Retrospective Analysis of Agricultural Herbicides in Surface Water Reveals Risk Plausibility for Declines in Submerged Aquatic Vegetation. Toxics, 2017, 5, 21.	3.7	14
20	Pharmaceutical occurrence in groundwater and surface waters in forests landâ€applied with municipal wastewater. Environmental Toxicology and Chemistry, 2016, 35, 898-905.	4.3	55
21	Screening Nonionic Surfactants for Enhanced Biodegradation of Polycyclic Aromatic Hydrocarbons Remaining in Soil After Conventional Biological Treatment. Environmental Science & Technology, 2016, 50, 3838-3845.	10.0	58
22	Nonmajors' Shifts in Attitudes & Perceptions of Biology & Biologists Following an Active-Learning Course:. American Biology Teacher, 2016, 78, 43-48.	0.2	6
23	Improving Polycyclic Aromatic Hydrocarbon Biodegradation in Contaminated Soil Through Low-Level Surfactant Addition After Conventional Bioremediation. Environmental Engineering Science, 2016, 33, 659-670.	1.6	21
24	Fluorescent Receptor Binding Assay for Detecting Ciguatoxins in Fish. PLoS ONE, 2016, 11, e0153348.	2.5	50
25	In vitro screening for population variability in toxicity of pesticide-containing mixtures. Environment International, 2015, 85, 147-155.	10.0	39
26	Toxicological responses of environmental mixtures: Environmental metal mixtures display synergistic induction of metal-responsive and oxidative stress genes in placental cells. Toxicology and Applied Pharmacology, 2015, 289, 534-541.	2.8	31
27	The Bennettâ€™s Millpond Environmental Learning Project: Place-Based Education with Student-Teacher Research Teams. ASTE Series in Science Education, 2015, , 255-274.	0.1	3
28	Bioavailability of (Geno)toxic Contaminants in Polycyclic Aromatic Hydrocarbonâ€“Contaminated Soil Before and After Biological Treatment. Environmental Engineering Science, 2014, 31, 176-182.	1.6	28
29	Increased cellular brevetoxins in the red tide dinoflagellate Karenia brevis under CO₂ limitation of growth rate: Evolutionary implications and potential effects on bloom toxicity. Limnology and Oceanography, 2014, 59, 560-577.	3.1	15
30	Increased Toxicity of Karenia brevis during Phosphate Limited Growth: Ecological and Evolutionary Implications. PLoS ONE, 2013, 8, e58545.	2.5	72
31	Assessment of Polycyclic Aromatic Hydrocarbon Contamination of Breeding Pools Utilized by the Puerto Rican Crested Toad, Peltophryne lemur. ISRN Toxicology, 2012, 2012, 1-7.	2.7	0
32	Ecological Risk Assessment. Progress in Molecular Biology and Translational Science, 2012, 112, 323-348.	1.7	5
33	Effects of lead on Na⁺, K⁺â€ATPase and hemolymph ion concentrations in the freshwater mussel Elliptio complanata. Environmental Toxicology, 2012, 27, 268-276.	4.0	24
34	NITROGEN LIMITATION INCREASES BREVETOXINS IN KARENIA BREVIS (DINOPHYCEAE): IMPLICATIONS FOR BLOOM TOXICITY¹. Journal of Phycology, 2012, 48, 844-858.	2.3	49
35	Assessing water quality suitability for shortnose sturgeon in the Roanoke River, North Carolina, USA with an in situ bioassay approach. Journal of Applied Ichthyology, 2011, 27, 1-12.	0.7	4
36	Environmental occurrence and reproductive effects of the pharmaceutical fluoxetine in native freshwater mussels. Environmental Toxicology and Chemistry, 2010, 29, 1311-1318.	4.3	152

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37	Development of a Dynamic Pharmacokinetic Model to Estimate Bioconcentration of Xenobiotics in Earthworms. Environmental Modeling and Assessment, 2009, 14, 411-418.	2.2	4
38	Systemic administration of diarylpropionitrile (DPN) or phytoestrogens does not affect anxiety-related behaviors in gonadally intact male rats. Hormones and Behavior, 2009, 55, 319-328.	2.1	31
39	Assessment of the Effect of Varying Soil Organic Matter Content on the Bioavailability of Malathion to the Common Nightcrawler, Lumbricus terrestris L.. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 220-224.	2.7	2
40	Acute Toxicity and Tissue Distributions of Malathion in Ambystoma tigrinum. Archives of Environmental Contamination and Toxicology, 2008, 55, 481-487.	4.1	24
41	Analysis of chlorothalonil and degradation products in soil and water by GC/MS and LC/MS. Chemosphere, 2008, 71, 629-638.	8.2	67
42	Determination of brevetoxin in recent marine sediments. Chemosphere, 2008, 73, 1373-1377.	8.2	28
43	Relationships among water column toxins, cell abundance and chlorophyll concentrations during Karenia brevis blooms. Continental Shelf Research, 2008, 28, 59-72.	1.8	34
44	Regression method of the hydrophobicity ruler approach for determining octanol/water partition coefficients of very hydrophobic compounds. Chemosphere, 2007, 66, 1086-1093.	8.2	9
45	Environmental fate of chlorothalonil in a Costa Rican banana plantation. Chemosphere, 2007, 69, 1166-1174.	8.2	44
46	Modeling pesticide fate in a small tidal estuary. Ecological Modelling, 2007, 200, 149-159.	2.5	6
47	Acute and chronic toxicity of glyphosate compounds to glochidia and juveniles of Lampsilis siliquoidea (unionidae). Environmental Toxicology and Chemistry, 2007, 26, 2094-2100.	4.3	87
48	Acute and chronic toxicity of technicalâ€grade pesticides to glochidia and juveniles of freshwater mussels (unionidae). Environmental Toxicology and Chemistry, 2007, 26, 2086-2093.	4.3	117
49	Acute and chronic toxicity of pesticide formulations (atrazine, chlorpyrifos, and permethrin) to glochidia and juveniles of Lampsilis siliquoidea. Environmental Toxicology and Chemistry, 2007, 26, 2101-2107.	4.3	48
50	A Comparison of Two Exposure Systems to Apply Malathion to Lumbricus terrestris L. Bulletin of Environmental Contamination and Toxicology, 2007, 78, 427-431.	2.7	7
51	Accumulation of brevetoxins by passive sampling devices. African Journal of Marine Science, 2006, 28, 379-381.	1.1	4
52	INFLUENCE OF WATER QUALITY AND ASSOCIATED CONTAMINANTS ON SURVIVAL AND GROWTH OF THE ENDANGERED CAPE FEAR SHINER (NOTROPIS MEKISTOCHOLAS). Environmental Toxicology and Chemistry, 2006, 25, 2288.	4.3	11
53	Toxicokinetics of Environmental Contaminants in Freshwater Bivalves. , 2006, , 169-213.		2
54	Novel Hydrophobicity Ruler Approach for Determining the Octanol/Water Partition Coefficients of Very Hydrophobic Compounds via Their Polymer/Solvent Solution Distribution Coefficients. Analytical Chemistry, 2005, 77, 1275-1281.	6.5	16

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55	Impact of Vegetation on Sedimentary Organic Matter Composition and Polycyclic Aromatic Hydrocarbon Attenuation. Environmental Science & Technology, 2005, 39, 5285-5292.	10.0	30
56	Assessing Organic Contaminants in Fish:Â Comparison of a Nonlethal Tissue Sampling Technique to Mobile and Stationary Passive Sampling Devices. Environmental Science & Technology, 2005, 39, 7601-7608.	10.0	34
57	Elimination Rate Constants of 46 Polycyclic Aromatic Hydrocarbons in the Unionid Mussel, Elliptio complanata. Archives of Environmental Contamination and Toxicology, 2004, 47, 332-40.	4.1	23
58	Bioavailability of PAHs:Â Effects of Soot Carbon and PAH Source. Environmental Science & Technology, 2004, 38, 2029-2037.	10.0	159
59	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. Pharmaceutical Research, 2003, 20, 275-282.	3.5	21
60	Semipermeable membrane devices accumulate conserved ratios of sterane and hopane petroleum biomarkers. Chemosphere, 2003, 53, 705-713.	8.2	25
61	Calibration and Field Verification of Semipermeable Membrane Devices for Measuring Polycyclic Aromatic Hydrocarbons in Water. Environmental Science & Technology, 2002, 36, 1791-1797.	10.0	129
62	Species, tissue and gender-related organochlorine bioaccumulation in white-sided dolphins, pilot whales and their common prey in the northwest Atlantic. Marine Environmental Research, 2001, 51, 29-50.	2.5	49
63	Organochlorine exposure and bioaccumulation in the endangered Northwest Atlantic right whale (Eubalaena glacialis) population. Environmental Toxicology and Chemistry, 2000, 19, 654-666.	4.3	31
64	Bioaccumulation patterns of polychlorinated biphenyls and chlorinated pesticides in Northwest Atlantic pilot whales. Environmental Toxicology and Chemistry, 2000, 19, 667-677.	4.3	35
65	Separation of acidic solutes by nonaqueous capillary electrophoresis in acetonitrile-based media. Journal of Chromatography A, 2000, 888, 251-266.	3.7	46
66	In vitro metabolism of polychlorinated biphenyl congeners by beluga whale (Delphinapterus leucas) and pilot whale (Globicephala melas) and relationship to cytochrome P450 expression. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 2000, 126, 267-284.	0.5	24
67	Vectorial transport of toxins from the dinoflagellate Gymnodinium breve through copepods to fish. Journal of Plankton Research, 2000, 22, 47-62.	1.8	100
68	ORGANOCHLORINE EXPOSURE AND BIOACCUMULATION IN THE ENDANGERED NORTHWEST ATLANTIC RIGHT WHALE (EUBALAENA GLACIALIS) POPULATION. Environmental Toxicology and Chemistry, 2000, 19, 654.	4.3	19
69	BIOACCUMULATION PATTERNS OF POLYCHLORINATED BIPHENYLS AND CHLORINATED PESTICIDES IN NORTHWEST ATLANTIC PILOT WHALES. Environmental Toxicology and Chemistry, 2000, 19, 667.	4.3	1
70	Enantiomeric and Isomeric Separation of Pesticides by Cyclodextrin-Modified Micellar Electrokinetic Chromatography. Journal of AOAC INTERNATIONAL, 1999, 82, 1550-1561.	1.5	24
71	Separation of hydrophobic solutes by nonaqueous capillary electrophoresis through dipolar and charge-transfer interactions with pyrylium salts. Journal of Separation Science, 1998, 10, 681-685.	1.0	16
72	Altered Metabolic Elimination of Testosterone and Associated Toxicity Following Exposure ofDaphnia magnato Nonylphenol Polyethoxylate. Ecotoxicology and Environmental Safety, 1998, 39, 104-111.	6.0	46

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73	Response to Comment on â€œAccumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices andMytilus edulisin New Bedford Harborâ€• Environmental Science & Technology, 1997, 31, 3734-3735.	10.0	0
74	Separation of Polycyclic Aromatic Hydrocarbons by Nonaqueous Capillary Electrophoresis Using Charge-Transfer Complexation with Planar Organic Cations. Analytical Chemistry, 1997, 69, 1223-1229.	6.5	63
75	Comment on â€œAccumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices andMytilus edulisin New Bedford Harborâ€• Environmental Science & Technology, 1997, 31, 3732-3733.	10.0	6
76	Accumulation of Organochlorine Pesticides and PCBs by Semipermeable Membrane Devices andMytilus edulisin New Bedford Harbor. Environmental Science & Technology, 1997, 31, 154-159.	10.0	88
77	Induction and post-transcriptional suppression of hepatic cytochrome p450 1a1 by 3,3â€²,4,4â€²-tetrachlorobiphenyl. Biochemical Pharmacology, 1997, 53, 1029-1040.	4.4	47
78	Analysis of primisulfuron and triasulfuron in water and soil samples by micellar electrokinetic capillary chromatography. Journal of Chromatography A, 1997, 766, 225-231.	3.7	34
79	Separation of fungicides by micellar electrokinetic capillary chromatography. Electrophoresis, 1997, 18, 235-240.	2.4	9
80	Analysis of brevetoxins by micellar electrokinetic capillary chromatography and laser-induced fluorescence detection. Electrophoresis, 1997, 18, 277-283.	2.4	26
81	Enantiomeric and isomeric separation of herbicides using cyclodextrin-modified capillary zone electrophoresis. Journal of Chromatography A, 1997, 790, 225-234.	3.7	33
82	METABOLIC ANDROGENIZATION OF FEMALE DAPHNIA MAGNA BY THE XENOESTROGEN 4-NONYLPHENOL. Environmental Toxicology and Chemistry, 1997, 16, 1905.	4.3	53
83	Biomarkers of hydrocarbon exposure and sublethal effects in embiotocid fishes from a natural petroleum seep in the Santa Barbara Channel. Aquatic Toxicology, 1996, 34, 195-219.	4.0	83
84	Trends in hepatic tumours and hydropic vacuolation, fin erosion, organic chemicals and stable isotope ratios in winter flounder from Massachusetts, USA. Marine Pollution Bulletin, 1996, 32, 458-470.	5.0	47
85	Herbicide analysis by micellar electrokinetic capillary chromatography. Journal of Chromatography A, 1996, 745, 201-208.	3.7	52
86	Analysis of benzo[a]pyrene-DNA adducts by capillary electrophoresis with laser-induced fluroescence detection. Journal of High Resolution Chromatography, 1995, 18, 719-720.	1.4	7
87	Temporal Relationship of Thiols to Inorganic Sulfur Compounds in Anoxic Chesapeake Bay Sediment Porewater. ACS Symposium Series, 1995, , 294-310.	0.5	20
88	Transport of Sewage Sludge From the 106-Mile Site - Results From an October Survey. Chemistry and Ecology, 1992, 7, 195-231.	1.6	3
89	Solubility product constants of covellite and a poorly crystalline copper sulfide precipitate at 298 K. Geochimica Et Cosmochimica Acta, 1989, 53, 229-236.	3.9	51
90	Separation of hydrophilic thiols using reversed-phase chromatography with trihaloacetate buffers. Journal of Chromatography A, 1988, 457, 111-125.	3.7	3

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91	Developing national sediment quality criteria. Environmental Science & Technology, 1988, 22, 1256-1261.	10.0	151
92	Determination of hydrophilic thiols in sediment porewater using ion-pair liquid chromatography coupled to electrochemical detection. Analytical Chemistry, 1988, 60, 1449-1454.	6.5	51
93	The solubility of copper in sulfidic waters: Sulfide and polysulfide complexes in equilibrium with covellite. Geochimica Et Cosmochimica Acta, 1988, 52, 1815-1825.	3.9	87
94	Role of biogenic thiols in the solubility of sulfide minerals. Science of the Total Environment, 1988, 73, 135-141.	8.0	32
95	Kinetics of inhibited crystal growth: Precipitation of CuS from solutions containing chelated copper(II). Journal of Colloid and Interface Science, 1987, 116, 373-383.	9.4	17