

Robert C Hale

List of Publications by Year in descending order

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76
papers

7,574
citations

81743

39
h-index

74018

75
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76
all docs

76
docs citations

76
times ranked

6040
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed Polybrominated Diphenyl Ether (PBDE) Congener Composition of the Widely Used Penta-, Octa-, and Deca-PBDE Technical Flame-retardant Mixtures. <i>Environmental Science & Technology</i> , 2006, 40, 6247-6254.	4.6	1,050
2	Characterization of the dust/smoke aerosol that settled east of the World Trade Center (WTC) in lower Manhattan after the collapse of the WTC 11 September 2001.. <i>Environmental Health Perspectives</i> , 2002, 110, 703-714.	2.8	586
3	Microplastics affect sedimentary microbial communities and nitrogen cycling. <i>Nature Communications</i> , 2020, 11, 2372.	5.8	570
4	A Global Perspective on Microplastics. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2018JC014719.	1.0	488
5	Polybrominated diphenyl ether flame retardants in the North American environment. <i>Environment International</i> , 2003, 29, 771-779.	4.8	427
6	Human Exposure to PBDEs: Associations of PBDE Body Burdens with Food Consumption and House Dust Concentrations. <i>Environmental Science & Technology</i> , 2007, 41, 1584-1589.	4.6	409
7	Brominated flame retardant concentrations and trends in abiotic media. <i>Chemosphere</i> , 2006, 64, 181-186.	4.2	250
8	Potential role of fire retardant-treated polyurethane foam as a source of brominated diphenyl ethers to the US environment. <i>Chemosphere</i> , 2002, 46, 729-735.	4.2	241
9	Polybrominated Diphenyl Ether Flame Retardants in Virginia Freshwater Fishes (USA). <i>Environmental Science & Technology</i> , 2001, 35, 4585-4591.	4.6	237
10	A global review of polybrominated diphenyl ether flame retardant contamination in birds. <i>Environment International</i> , 2010, 36, 800-811.	4.8	225
11	Persistent pollutants in land-applied sludges. <i>Nature</i> , 2001, 412, 140-141.	13.7	224
12	Evidence of Debromination of Decabromodiphenyl Ether (BDE-209) in Biota from a Wastewater Receiving Stream. <i>Environmental Science & Technology</i> , 2007, 41, 6663-6670.	4.6	164
13	Antarctic Research Bases: Local Sources of Polybrominated Diphenyl Ether (PBDE) Flame Retardants. <i>Environmental Science & Technology</i> , 2008, 42, 1452-1457.	4.6	149
14	Polybrominated Diphenyl Ether (PBDE) Accumulation by Earthworms (<i>Eisenia fetida</i>) Exposed to Biosolids-, Polyurethane Foam Microparticle-, and Penta-BDE-Amended Soils. <i>Environmental Science & Technology</i> , 2013, 47, 13831-13839.	4.6	140
15	Addressing the Issue of Microplastics in the Wake of the Microbead-Free Waters Act—A New Standard Can Facilitate Improved Policy. <i>Environmental Science & Technology</i> , 2017, 51, 6611-6617.	4.6	138
16	Polybrominated Diphenyl Ethers in Birds of Prey from Northern China. <i>Environmental Science & Technology</i> , 2007, 41, 1828-1833.	4.6	137
17	Induced cytochrome P-450 in intestine and liver of spot (<i>Leiostomus xanthurus</i>) from a polycyclic aromatic hydrocarbon contaminated environment. <i>Aquatic Toxicology</i> , 1990, 17, 119-131.	1.9	119
18	Alkylphenol Ethoxylate Degradation Products in Land-Applied Sewage Sludge (Biosolids). <i>Environmental Science & Technology</i> , 2001, 35, 4798-4804.	4.6	118

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19	Brominated and organophosphate flame retardants along a sediment transect encompassing the Guiyu, China e-waste recycling zone. <i>Science of the Total Environment</i> , 2019, 646, 58-67.	3.9	113
20	In Situ Accumulation of HBCD, PBDEs, and Several Alternative Flame-Retardants in the Bivalve (<i>Corbicula fluminea</i>) and Gastropod (<i>Elimia proxima</i>). <i>Environmental Science & Technology</i> , 2012, 46, 5798-5805.	4.6	87
21	TOXICITY OF POLYBROMINATED DIPHENYL ETHERS (DE-71) IN CHICKEN (GALLUS GALLUS), MALLARD (ANAS Tj ETQq1 1 0.784314 r <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1007.	2.2	85
22	Nonylphenols in sediments and effluents associated with diverse wastewater outfalls. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 946-952.	2.2	83
23	Species-specific accumulation of polybrominated diphenyl ether flame retardants in birds of prey from the Chesapeake Bay region, USA. <i>Environmental Pollution</i> , 2010, 158, 1883-1889.	3.7	78
24	Halogenated flame-retardant concentrations in settled dust, respirable and inhalable particulates and polyurethane foam at gymnastic training facilities and residences. <i>Environment International</i> , 2015, 79, 106-114.	4.8	77
25	Polybrominated Diphenyl Ethers in Peregrine Falcon (<i>Falco peregrinus</i>) Eggs from the Northeastern U.S.. <i>Environmental Science & Technology</i> , 2008, 42, 7594-7600.	4.6	72
26	Brominated Flame-Retardants in Sub-Saharan Africa: Burdens in Inland and Coastal Sediments in the eThekwin Metropolitan Municipality, South Africa. <i>Environmental Science & Technology</i> , 2013, 47, 9643-9650.	4.6	66
27	Bioavailability of polybrominated diphenyl ether flame retardants in biosolids and spiked sediment to the aquatic oligochaete, <i>Lumbriculus variegatus</i> . <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 916-925.	2.2	64
28	EFFECTS OF CONTAMINANT EXPOSURE ON REPRODUCTIVE SUCCESS OF OSPREYS (PANDION HALIAETUS) NESTING IN DELAWARE RIVER AND BAY, USA. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 617.	2.2	61
29	House crickets can accumulate polybrominated diphenyl ethers (PBDEs) directly from polyurethane foam common in consumer products. <i>Chemosphere</i> , 2012, 86, 500-505.	4.2	60
30	Flame-Retardants and Other Organohalogens Detected in Sewage Sludge by Electron Capture Negative Ion Mass Spectrometry. <i>Environmental Science & Technology</i> , 2010, 44, 4658-4664.	4.6	56
31	Polybrominated Diphenyl Ethers in U.S. Sewage Sludges and Biosolids: Temporal and Geographical Trends and Uptake by Corn Following Land Application. <i>Environmental Science & Technology</i> , 2012, 46, 2055-2063.	4.6	56
32	Cellular responses and disease expression in oysters (<i>Crassostrea virginica</i>) exposed to suspended field-contaminated sediments. <i>Marine Environmental Research</i> , 2002, 53, 17-35.	1.1	54
33	Do Temporal and Geographical Patterns of HBCD and PBDE Flame Retardants in U.S. Fish Reflect Evolving Industrial Usage?. <i>Environmental Science & Technology</i> , 2011, 45, 8254-8261.	4.6	54
34	Contaminant Exposure and Reproductive Success of Ospreys (<i>Pandion haliaetus</i>) Nesting in Chesapeake Bay Regions of Concern. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 47, 126-140.	2.1	53
35	Relationship between PCB accumulation and reproductive output in conditioned oysters <i>Crassostrea virginica</i> fed a contaminated algal diet. <i>Aquatic Toxicology</i> , 2003, 65, 293-307.	1.9	46
36	Photochemical and microbial transformation of emerging flame retardants: Cause for concern?. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 687-699.	2.2	44

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37	Determination of PCBs in Fish Tissues Using Supercritical Fluid Extraction. <i>Environmental Science & Technology</i> , 1995, 29, 1043-1047.	4.6	42
38	Organophosphate esters in a cohort of pregnant women: Variability and predictors of exposure. <i>Environmental Research</i> , 2020, 184, 109255.	3.7	42
39	Polychlorinated biphenyls and organochlorine pesticides in various bird species from northern China. <i>Environmental Pollution</i> , 2009, 157, 2023-2029.	3.7	41
40	Single-Use Plastics and COVID-19: Scientific Evidence and Environmental Regulations. <i>Environmental Science & Technology</i> , 2020, 54, 7034-7036.	4.6	40
41	Determination of coal tar and creosote constituents in the aquatic environment. <i>Journal of Chromatography A</i> , 1997, 774, 79-95.	1.8	38
42	Are the Risks from Microplastics Truly Trivial?. <i>Environmental Science & Technology</i> , 2018, 52, 931-931.	4.6	35
43	Polybrominated Diphenyl Ether Accumulation in an Agricultural Soil Ecosystem Receiving Wastewater Sludge Amendments. <i>Environmental Science & Technology</i> , 2014, 48, 7034-7043.	4.6	34
44	Trace organochlorine contamination of the forest floor of the White Mountain National Forest, New Hampshire. <i>Environmental Science & Technology</i> , 1993, 27, 2244-2246.	4.6	29
45	POLYBROMINATED DIPHENYL ETHER FLAME RETARDANTS IN CHESAPEAKE BAY REGION, USA, PEREGRINE FALCON (<i>FALCO PEREGRINUS</i>) EGGS: URBAN/RURAL TRENDS. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 973.	2.2	28
46	Human Indoor Exposure to Airborne Halogenated Flame Retardants: Influence of Airborne Particle Size. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 507.	1.2	27
47	Influence of Ecdysis on the accumulation of polycyclic aromatic hydrocarbons in field exposed blue crabs (<i>Callinectes sapidus</i>). <i>Marine Environmental Research</i> , 1992, 33, 145-156.	1.1	23
48	Analytical challenges associated with the determination of microplastics in the environment. <i>Analytical Methods</i> , 2017, 9, 1326-1327.	1.3	23
49	Disposition of Polycyclic Aromatic Compounds in Blue Crabs, <i>Callinectes sapidus</i> , from the Southern Chesapeake Bay. <i>Estuaries and Coasts</i> , 1988, 11, 255.	1.7	22
50	Hexabromocyclododecane flame retardant in Antarctica: Research stations as sources. <i>Environmental Pollution</i> , 2015, 206, 611-618.	3.7	22
51	Novel chlorinated terphenyls in sediments and shellfish of an estuarine environment. <i>Environmental Science & Technology</i> , 1990, 24, 1727-1731.	4.6	21
52	Parameters for Ultra-Performance Liquid Chromatographic/Tandem Mass Spectrometric Analysis of Selected Androgens versus Estrogens in Aqueous Matrices. <i>Analytical Chemistry</i> , 2009, 81, 6716-6724.	3.2	21
53	Polystyrene microplastics reduce abundance of developing B cells in rainbow trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1.6 21	1.6	21
54	PCB uptake and accumulation by oysters (<i>Crassostrea virginica</i>) exposed via a contaminated algal diet. <i>Marine Environmental Research</i> , 2000, 50, 217-221.	1.1	20

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55	Separation of polychlorinated terphenyls from lipoidal material by preparative gel permeation chromatography and gas chromatography. <i>Journal of Chromatography A</i> , 1991, 539, 149-156.	1.8	15
56	COMBINED EFFECTS OF HUMIC ACIDS AND SALINITY ON SOLID-PHASE MICROEXTRACTION OF DDT AND CHLORPYRIFOS, AN ESTIMATOR OF THEIR BIOAVAILABILITY. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 576.	2.2	15
57	Chesapeake Bay fish osprey (<i>Pandion haliaetus</i>) food chain: Evaluation of contaminant exposure and genetic damage. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1560-1575.	2.2	15
58	A Multiresidue Approach for Trace Organic Pollutants: Application to Effluents and Associated Aquatic Sediments and Biota from the Southern Chesapeake Bay Drainage Basin 1985-1992. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 64, 21-33.	1.8	14
59	Effects of PCBs sorbed to algal paste and sediments on the stress protein response (HSP70 family) in the eastern oyster, <i>Crassostrea virginica</i> . <i>Marine Environmental Research</i> , 2000, 50, 341-345.	1.1	14
60	Accumulation of Polychlorinated Terphenyls in Aquatic Biota of an Estuarine Creek. <i>Ecotoxicology and Environmental Safety</i> , 1993, 26, 302-312.	2.9	12
61	Robustness of Supercritical Fluid Extraction (SFE) in Environmental Studies: Analysis of Chlorinated Pollutants in Tissues from the Osprey (PANDION HALIAETUS) and Several Fish Species. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 64, 11-19.	1.8	12
62	Induction of CYP1A and DNA damage in the fathead minnow (<i>Pimephales promelas</i>) following exposure to biosolids. <i>Science of the Total Environment</i> , 2007, 384, 221-228.	3.9	12
63	Occurrence of organochlorine contaminants in tissues of the coelacanth <i>Latimeria chalumnae</i> . <i>Environmental Biology of Fishes</i> , 1991, 32, 361-367.	0.4	11
64	A noninvasive environmental monitoring tool for brominated flame-retardants (BFRs) assisted by conservation detection dogs. <i>Chemosphere</i> , 2020, 260, 127401.	4.2	8
65	Have Risks Associated with the Presence of Synthetic Organic Contaminants in Land-Applied Sewage Sludges Been Adequately Assessed?. <i>New Solutions</i> , 2003, 12, 371-386.	0.6	7
66	Examination of contaminant exposure and reproduction of ospreys (<i>Pandion haliaetus</i>) nesting in Delaware Bay and River in 2015. <i>Science of the Total Environment</i> , 2018, 639, 596-607.	3.9	6
67	Toxicity of Creosote Water-Soluble Fractions Generated from Contaminated Sediments to the Bay Mysid. <i>Ecotoxicology and Environmental Safety</i> , 1999, 42, 171-176.	2.9	4
68	Analytical Chemistry of Plastic Debris: Sampling, Methods, and Instrumentation. <i>Environmental Contamination Remediation and Management</i> , 2022, , 17-67.	0.5	4
69	Accumulation and biotransformation of an organophosphorus pesticide in fish and bivalves. <i>Marine Environmental Research</i> , 1989, 28, 67-71.	1.1	3
70	Systematic Investigation of Factors Controlling Supercritical Fluid Extraction (SFE) of Spiked and Aged PCBs from Edible Tissues of the Blue Crab (<i>Callinectes sapidus</i>). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 23-28.	1.3	3
71	Assessment of legacy and emerging contaminants in an introduced catfish and implications for the fishery. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28355-28366.	2.7	3
72	Sources and Distribution of Polychlorinated Terphenyls at a Major US Aeronautics Research Facility. <i>Environmental Management</i> , 1998, 22, 937-945.	1.2	2

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73	EMERGING CHEMICALS OF CONCERN IN BIOSOLIDS. Proceedings of the Water Environment Federation, 2003, 2003, 1134-1152.	0.0	2
74	Persistence and Migration of Alkylphenol Ethoxylate Degradation Products Associated with Land-applied Biosolids. Proceedings of the Water Environment Federation, 2009, 2009, 495-510.	0.0	1
75	Plastic Pollution and the Chesapeake Bay: The Food System and Beyond. Estuaries of the World, 2020, , 325-348.	0.1	1
76	Can Microplastic Pollution Change Important Aquatic Bacterial Communities?. Frontiers for Young Minds, 0, 9, .	0.8	0