James Meador

List of Publications by Year
in descending order

84	3,530	101496	149623
papers	citations	36 h-index	56 g-index

88	88	88	3374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioaccumulation of Polycyclic Aromatic Hydrocarbons by Marine Organisms. Reviews of Environmental Contamination and Toxicology, 1995, 143, 79-165.	0.7	319
2	The interaction of pH, dissolved organic carbon, and total copper in the determination of ionic copper and toxicity. Aquatic Toxicology, 1991, 19, 13-31.	1.9	203
3	Contaminants of emerging concern in a large temperate estuary. Environmental Pollution, 2016, 213, 254-267.	3.7	184
4	Environmental Contaminants in Biota. , 0, , .		144
5	Crucial role of mechanisms and modes of toxic action for understanding tissue residue toxicity and internal effect concentrations of organic chemicals. Integrated Environmental Assessment and Management, 2011, 7, 28-49.	1.6	121
6	Chemosensory Deprivation in Juvenile Coho Salmon Exposed to Dissolved Copper under Varying Water Chemistry Conditions. Environmental Science & Technology, 2008, 42, 1352-1358.	4.6	102
7	Altered growth and related physiological responses in juvenile Chinook salmon (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Fisheries and Aquatic Sciences, 2006, 63, 2364-2376.	0.7	97
8	Comparative bioaccumulation of polycyclic aromatic hydrocarbons from sediment by two infaunal invertebrates. Marine Ecology - Progress Series, 1995, 123, 107-124.	0.9	89
9	Comparison of Elements in Bottlenose Dolphins Stranded on the Beaches of Texas and Florida in the Gulf of Mexico over a One-Year Period. Archives of Environmental Contamination and Toxicology, 1999, 36, 87-98.	2.1	85
10	A Perspective on the Toxicity of Petrogenic PAHs to Developing Fish Embryos Related to Environmental Chemistry. Human and Ecological Risk Assessment (HERA), 2009, 15, 1084-1098.	1.7	75
11	Modeling dose response using generalized linear models. Environmental Toxicology and Chemistry, 1996, 15, 395-401.	2.2	74
12	Characterizing Crude Oil Toxicity to Early-Life Stage Fish Based On a Complex Mixture: Are We Making Unsupported Assumptions?. Environmental Science & Technology, 2019, 53, 11080-11092.	4.6	74
13	Relating Results of Chronic Toxicity Responses to Population-Level Effects: Modeling Effects on Wild Chinook Salmon Populations. Integrated Environmental Assessment and Management, 2005, 1, 9.	1.6	72
14	Rationale and Procedures for Using the Tissue-Residue Approach for Toxicity Assessment and Determination of Tissue, Water, and Sediment Quality Guidelines for Aquatic Organisms. Human and Ecological Risk Assessment (HERA), 2006, 12, 1018-1073.	1.7	71
15	Advancing environmental toxicology through chemical dosimetry: External exposures versus tissue residues. Integrated Environmental Assessment and Management, 2011, 7, 7-27.	1.6	67
16	Tributyltin and the obesogen metabolic syndrome in a salmonid. Environmental Research, 2011, 111, 50-56.	3.7	66
17	10th Anniversary Critical Review: The tissue-residue approach for toxicity assessment: concepts, issues, application, and recommendations. Journal of Environmental Monitoring, 2008, 10, 1486.	2.1	60
18	Free vehicle capture of abyssopelagic animals. Deep-sea Research Part A, Oceanographic Research Papers, 1979, 26, 57-64.	1.6	59

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19	Use of tissue and sediment-based threshold concentrations of polychlorinated biphenyls (PCBs) to protect juvenile salmonids listed under the US Endangered Species Act. Aquatic Conservation: Marine and Freshwater Ecosystems, 2002, 12, 493-516.	0.9	57
20	Chemical contaminants in harbor porpoise (Phocoena phocoena) from the North Atlantic coast: Tissue concentrations and intra- and inter-organ distribution. Chemosphere, 1997, 34, 2159-2181.	4.2	54
21	Temporal persistence of biological patch structure in an abyssal benthic community. Marine Biology, 1979, 51, 179-183.	0.7	52
22	Comparative toxicokinetics of tributyltin in five marine species and its utility in predicting bioaccumulation and acute toxicity. Aquatic Toxicology, 1997, 37, 307-326.	1.9	52
23	A review of the tissue residue approach for organic and organometallic compounds in aquatic organisms. Integrated Environmental Assessment and Management, 2011, 7, 50-74.	1.6	52
24	Toxicity of sediment-associated tributyltin to infaunal invertebrates: Species comparison and the role of organic carbon. Marine Environmental Research, 1997, 43, 219-241.	1.1	51
25	Chemical contaminants in gray whales (Eschrichtius robustus) stranded along the west coast of North America. Science of the Total Environment, 1994, 145, 29-53.	3.9	48
26	Bioaccumulation of Arsenic in Marine Fish and Invertebrates from Alaska and California. Archives of Environmental Contamination and Toxicology, 2004, 47, 223-33.	2.1	47
27	The tissue residue approach for toxicity assessment: Findings and critical reviews from a Society of Environmental Toxicology and Chemistry Pellston Workshop. Integrated Environmental Assessment and Management, 2011, 7, 2-6.	1.6	47
28	Biomarker responses and disease susceptibility in juvenile rainbow trout Oncorhynchus mykiss fed a high molecular weight PAH mixture. Environmental Toxicology and Chemistry, 2011, 30, 704-714.	2.2	45
29	A comparison of the non-essential elements cadmium, mercury, and lead found in fish and sediment from Alaska and California. Science of the Total Environment, 2005, 339, 189-205.	3.9	43
30	Metal toxicity to freshwater organisms as a function of pH: A meta-analysis. Chemosphere, 2016, 144, 1544-1552.	4.2	43
31	Toxic Metals in Pilot Whales (Globicephala melaena) from Standings in 1986 and 1990 on Cape Cod, Massachusetts. Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 2698-2706.	0.7	42
32	Early life stages of an arctic keystone species (Boreogadus saida) show high sensitivity to a water-soluble fraction of crude oil. Environmental Pollution, 2016, 218, 605-614.	3.7	42
33	Application of the tissue residue approach in ecological risk assessment. Integrated Environmental Assessment and Management, 2011, 7, 116-140.	1.6	41
34	Adverse metabolic effects in fish exposed to contaminants of emerging concern in the field and laboratory. Environmental Pollution, 2018, 236, 850-861.	3.7	40
35	Impaired growth in the polychaete Armandia brevis exposed to tributyltin in sediment. Marine Environmental Research, 2001, 51, 113-129.	1.1	38
36	Recommended approaches to the scientific evaluation of ecotoxicological hazards and risks of endocrine-active substances. Integrated Environmental Assessment and Management, 2017, 13, 267-279.	1.6	38

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37	Organochlorines in Stranded Pilot Whales (Globicephala melaena) from the Coast of Massachusetts. Archives of Environmental Contamination and Toxicology, 1999, 37, 125-134.	2.1	37
38	Effect of contaminants of emerging concern on liver mitochondrial function in Chinook salmon. Aquatic Toxicology, 2017, 190, 21-31.	1.9	36
39	Relating chronic toxicity responses to population-level effects: A comparison of population-level parameters for three salmon species as a function of low-level toxicity. Ecological Modelling, 2006, 199, 240-252.	1.2	33
40	Differential sensitivity of marine infaunal amphipods to tributyltin. Marine Biology, 1993, 116, 231-239.	0.7	31
41	USING FLUORESCENT AROMATIC COMPOUNDS IN BILE FROM JUVENILE SALMONIDS TO PREDICT EXPOSURE TO POLYCYCLIC AROMATIC HYDROCARBONS. Environmental Toxicology and Chemistry, 2008, 27, 845.	2.2	31
42	Do chemically contaminated river estuaries in Puget Sound (Washington, USA) affect the survival rate of hatchery-reared Chinook salmon?. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 162-180.	0.7	30
43	Determining potential adverse effects in marine fish exposed to pharmaceuticals and personal care products with the fish plasma model and whole-body tissue concentrations. Environmental Pollution, 2017, 230, 1018-1029.	3.7	30
44	The effect of laboratory holding on the toxicity response of marine infaunal amphipods to cadmium and tributyltin. Journal of Experimental Marine Biology and Ecology, 1993, 174, 227-242.	0.7	27
45	Title is missing!. Ecotoxicology, 1997, 6, 35-65.	1.1	27
46	Copper Dynamics and the Mechanism of Ecosystem Level Recovery in a Standardized Aquatic Microcosm. , 1993, 3, 139-155.		26
47	Comparative Bioaccumulation of Chlorinated Hydrocarbons from Sediment by Two Infaunal Invertebrates. Archives of Environmental Contamination and Toxicology, 1997, 33, 388-400.	2.1	24
48	Bioaccumulation of PAHs in Marine Invertebrates. , 0, , 147-171.		24
49	Population-relevant endpoints in the evaluation of endocrine-active substances (EAS) for ecotoxicological hazard and risk assessment. Integrated Environmental Assessment and Management, 2017, 13, 317-330.	1.6	23
50	Metabolomic profiling for juvenile Chinook salmon exposed to contaminants of emerging concern. Science of the Total Environment, 2020, 747, 141097.	3.9	23
51	Elements in fish and sediment from the Pacific Coast of the United States: Results from the national benthic surveillance project. Marine Pollution Bulletin, 1998, 37, 56-66.	2.3	22
52	Determination of a tissue and sediment threshold for tributyltin to protect prey species of juvenile salmonids listed under the US Endangered Species Act. Aquatic Conservation: Marine and Freshwater Ecosystems, 2002, 12, 539-551.	0.9	21
53	Predicting the fate and effects of tributyltin in marine systems. Reviews of Environmental Contamination and Toxicology, 2000, 166, 1-48.	0.7	20
54	Modeling the effect of algal biomass on multispecies aquatic microcosms response to copper toxicity. Aquatic Toxicology, 1990, 17, 93-117.	1.9	19

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55	Combined effects of crude oil exposure and warming on eggs and larvae of an arctic forage fish. Scientific Reports, 2021, 11, 8410.	1.6	19
56	Chemoreception in a lysianassid amphipod: The chemicals that initiate foodâ€searching behavior. Marine and Freshwater Behaviour and Physiology, 1989, 14, 65-80.	0.9	18
57	Effects of dietary crude oil exposure on molecular and physiological parameters related to lipid homeostasis in polar cod (Boreogadus saida). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 206-207, 54-64.	1.3	17
58	An analysis of the relationship between a sand-dollar embryo elutriate assay and sediment contaminants from stations in an urban embayment of puget sound, Washington. Marine Environmental Research, 1990, 30, 251-272.	1.1	16
59	Transcriptional changes in innate immunity genes in head kidneys from Aeromonas salmonicida-challenged rainbow trout fed a mixture of polycyclic aromatic hydrocarbons. Ecotoxicology and Environmental Safety, 2017, 142, 157-163.	2.9	16
60	Tissue-based environmental quality benchmarks and standards. Environmental Science and Pollution Research, 2014, 21, 28-32.	2.7	14
61	Copper tolerance by the freshwater algal species Oocystis pusilla and its ability to alter free-ion copper. Aquatic Toxicology, 1998, 44, 69-82.	1.9	12
62	The Effects of Polycyclic Aromatic Hydrocarbons in Fish from Puget Sound, Washington. , 2008, , 877-923.		11
63	In situ biomonitoring of juvenile Chinook salmon (Onchorhynchus tshawytscha) using biomarkers of chemical exposures and effects in a partially remediated urbanized waterway of the Puget Sound, WA. Environmental Research, 2010, 110, 675-683.	3.7	11
64	Tributyltin: Advancing the Science on Assessing Endocrine Disruption with an Unconventional Endocrine-Disrupting Compound. Reviews of Environmental Contamination and Toxicology, 2017, 245, 65-127.	0.7	11
65	A flow-through bioassay system for the evaluation of organotin antifouling compounds. Water Research, 1984, 18, 647-650.	5.3	10
66	Bioaccumulation of polychlorinated biphenyls in juvenile chinook salmon (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (Ecotoxicology, 2010, 19, 141-152.	1.1	10
67	An Analysis of Photobehavior of Daphnia Magna Exposed to Tributyltin. , 1986, , .		9
68	Polycyclic Aromatic Hydrocarbons. , 2008, , 2881-2891.		9
69	Tributyltin In The Environment: An Overview And Key Issues. , 0, , .		8
70	Tissue concentrations as the dose metric to assess potential toxic effects of metals in fieldâ€collected fish: Copper and cadmium. Environmental Toxicology and Chemistry, 2015, 34, 1309-1319.	2.2	8
71	GROWTH AND SURVIVAL OF THREE MARINE INVERTEBRATE SPECIES IN SEDIMENTS FROM THE HUDSONâ€"RARITAN ESTUARY, NEW YORK. Environmental Toxicology and Chemistry, 1995, 14, 1931.	2.2	8
72	Growth and survival of three marine invertebrate species in sediments from the hudson-raritan estuary, New York. Environmental Toxicology and Chemistry, 1995, 14, 1931-1940.	2.2	7

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73	The fish early-life stage sublethal toxicity syndrome â€“ A high-dose baseline toxicity response. Environmental Pollution, 2021, 291, 118201.	3.7	7
74	Orchomene Limodes, New Species, a Scavenging Amphipod from Scripps Canyon, California: Species Description and Analysis of Morphological Variation. Journal of Crustacean Biology, 1985, 5, 523-538.	0.3	4
75	In situ biomonitoring of caged, juvenile Chinook salmon (Oncorhynchus tshawytscha) in the Lower Duwamish Waterway. Marine Pollution Bulletin, 2011, 62, 2520-2532.	2.3	4
76	Environmental policy recommendations for the new US President. Integrated Environmental Assessment and Management, 2017, 13, 7-7.	1.6	3
77	Conducting doseâ€“response feeding studies with salmonids. , 2005, , .		3
78	Fish tissue and sediment effects thresholds for polychlorinated biphenyls, polycyclic aromatic hydrocarbons, and tributyltin. Aquatic Conservation: Marine and Freshwater Ecosystems, 2002, 12, 489-492.	0.9	1
79	A flow-through bioassay system to study chronic effects of pollutants: Analysis with Bis(tributyltin) oxide (TBTO). Marine Environmental Research, 1984, 14, 501.	1.1	0
80	The 1989 Organotin Symposium. , 0, , .		0
81	Perspectives, 2002, , .	0.2	0
82	Development of a 2.4-GHz, parasitic array antenna for wireless electrocardiograph (ECG) application. , 2014, , .		0
83	Metabolic effects of pharmaceuticals in fish. , 2021, , 457-499.		0
84	Using Fluorescent Aromatic Compounds in Bile from Juvenile Salmonids to Predict Exposure to Polycyclic Aromatic Hydrocarbons. Environmental Toxicology and Chemistry, 2007, preprint, 1.	2.2	0