James M Lazorchak

List of Publications by Year
in descending order

95 papers	8,217 citations	108046 37 h-index	54771 88 g-index
98 all docs	98 docs citations	98 times ranked	10934 citing authors

#	Article	IF	Citations
1	Development of a Risk Characterization Tool for Harmful Cyanobacteria Blooms on the Ohio River. Water (Switzerland), 2022, 14, 644.	1.2	5
2	Determination of Cyanotoxins and Prymnesins in Water, Fish Tissue, and Other Matrices: A Review. Toxins, 2022, 14, 213.	1.5	19
3	Risks from mercury in anadromous fish collected from Penobscot River, Maine. Science of the Total Environment, 2021, 781, 146691.	3.9	6
4	Toxic benthic freshwater cyanobacterial proliferations: Challenges and solutions for enhancing knowledge and improving monitoring and mitigation. Freshwater Biology, 2020, 65, 1824-1842.	1.2	71
5	Uptake of Sulfate from Ambient Water by Freshwater Animals. Water (Switzerland), 2020, 12, 1496.	1.2	3
6	Multigene Biomarkers of Pyrethroid Exposure: Exploratory Experiments. Environmental Toxicology and Chemistry, 2019, 38, 2436-2446.	2.2	3
7	Evaluation of targeted and untargeted effects-based monitoring tools to assess impacts of contaminants of emerging concern on fish in the South Platte River, CO. Environmental Pollution, 2018, 239, 706-713.	3.7	19
8	Statistical Survey of Persistent Organic Pollutants: Risk Estimations to Humans and Wildlife through Consumption of Fish from U.S. Rivers. Environmental Science & Technology, 2017, 51, 3021-3031.	4.6	35
9	In some places, in some cases, and at some times, harmful algal blooms are the greatest threat to inland water quality. Environmental Toxicology and Chemistry, 2017, 36, 1125-1127.	2.2	43
10	Tools to minimize interlaboratory variability in vitellogenin gene expression monitoring programs. Environmental Toxicology and Chemistry, 2017, 36, 3102-3107.	2.2	5
11	Are harmful algal blooms becoming the greatest inland water quality threat to public health and aquatic ecosystems?. Environmental Toxicology and Chemistry, 2016, 35, 6-13.	2.2	380
12	Reproductive effects in fathead minnows (Pimphales promelas) following a 21Âd exposure to 17Î±-ethinylestradiol. Chemosphere, 2016, 144, 366-373.	4.2	40
13	Diploid and triploid African catfish (Clarias gariepinus) differ in biomarker responses to the pesticide chlorpyrifos. Science of the Total Environment, 2016, 557-558, 204-211.	3.9	15
14	Initial development of a multigene â¿¿omics-based exposure biomarker for pyrethroid pesticides. Aquatic Toxicology, 2016, 179, 27-35.	1.9	7
15	A comparison of biomarker responses in juvenile diploid and triploid African catfish, Clarias gariepinus , exposed to the pesticide butachlor. Environmental Research, 2016, 151, 313-320.	3.7	5
16	Evaluating the extent of pharmaceuticals in surface waters of the United States using a Nationalâ€scale Rivers and Streams Assessment survey. Environmental Toxicology and Chemistry, 2016, 35, 874-881.	2.2	57
17	Saving freshwater from salts. Science, 2016, 351, 914-916.	6.0	232
18	Proof of concept for the use of macroinvertebrates as indicators of polychlorinated biphenyls (PCB) contamination in Lake Hartwell. Environmental Toxicology and Chemistry, 2015, 34, 1277-1282.	2.2	4

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19	Experimental paradigm for inâ€laboratory proxy aquatic studies under conditions of static, nonâ€“flowâ€through chemical exposures. Environmental Toxicology and Chemistry, 2015, 34, 2796-2802.	2.2	4
20	A national statistical survey assessment of mercury concentrations in fillets of fish collected in the U.S. EPA national rivers and streams assessment of the continental USA. Chemosphere, 2015, 122, 52-61.	4.2	19
21	Monitoring exposure of brown bullheads and benthic macroinvertebrates to sediment contaminants in the Ashtabula river before, during, and after remediation. Environmental Toxicology and Chemistry, 2015, 34, 1267-1276.	2.2	11
22	Ecotoxicological assessment of antibiotics: A call for improved consideration of microorganisms. Environment International, 2015, 85, 189-205.	4.8	209
23	Elevated major ion concentrations inhibit larval mayfly growth and development. Environmental Toxicology and Chemistry, 2015, 34, 167-172.	2.2	51
24	Part 2: Sensitivity comparisons of the mayfly Centroptilum triangulifer to Ceriodaphnia dubia and Daphnia magna using standard reference toxicants; NaCl, KCl and CuSO4. Chemosphere, 2015, 139, 597-603.	4.2	44
25	Part 1: Laboratory culture of Centroptilum triangulifer (Ephemeroptera: Baetidae) using a defined diet of three diatoms. Chemosphere, 2015, 139, 589-596.	4.2	23
26	Determining the effects of a mixture of an endocrine disrupting compound, 17Î±-ethinylestradiol, and ammonia on fathead minnow (Pimephales promelas) reproduction. Chemosphere, 2015, 120, 108-114.	4.2	13
27	Concentrations of prioritized pharmaceuticals in effluents from 50 large wastewater treatment plants in the US and implications for risk estimation. Environmental Pollution, 2014, 184, 354-359.	3.7	372
28	A new approach for the laboratory culture of the fathead minnow, Pimephales promelas. Environmental Toxicology and Chemistry, 2014, 33, 126-133.	2.2	5
29	Toxicity and Transcriptomic Analysis in Hyalella azteca Suggests Increased Exposure and Susceptibility of Epibenthic Organisms to Zinc Oxide Nanoparticles. Environmental Science & Technology, 2013, 47, 9453-9460.	4.6	28
30	An integrated assessment of sediment remediation in a midwestern U.S. stream using sediment chemistry, water quality, bioassessment, and fish biomarkers. Environmental Toxicology and Chemistry, 2013, 32, 653-661.	2.2	14
31	Management Options for Reducing the Release of Antibiotics and Antibiotic Resistance Genes to the Environment. Environmental Health Perspectives, 2013, 121, 878-885.	2.8	657
32	Effects of a chronic lower range of triclosan exposure on a stream mesocosm community. Environmental Toxicology and Chemistry, 2013, 32, 2874-2887.	2.2	45
33	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. Environmental Health Perspectives, 2012, 120, 1221-1229.	2.8	1,033
34	The effects of urbanization on Lepomis macrochirus using the comet assay. Ecotoxicology and Environmental Safety, 2012, 84, 299-303.	2.9	7
35	An interlaboratory comparison of sediment elutriate preparation and toxicity test methods. Environmental Monitoring and Assessment, 2012, 184, 7343-7351.	1.3	3
36	Assessing Impacts of Land-Applied Manure from Concentrated Animal Feeding Operations on Fish Populations and Communities. Environmental Science & Technology, 2012, 46, 13440-13447.	4.6	48

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37	Toxicogenomic Responses of Nanotoxicity in Daphnia magna Exposed to Silver Nitrate and Coated Silver Nanoparticles. Environmental Science & Technology, 2012, 46, 6288-6296.	4.6	159
38	A Look Backwards at Environmental Risk Assessment: An Approach to Reconstructing Ecological Exposures. Emerging Topics in Ecotoxicology, 2012, , 109-137.	1.5	0
39	Determining the effects of ammonia on fathead minnow (Pimephales promelas) reproduction. Science of the Total Environment, 2012, 420, 127-133.	3.9	35
40	Proteomic analysis of a model fish species exposed to individual pesticides and a binary mixture. Aquatic Toxicology, 2011, 101, 196-206.	1.9	29
41	Gene expression profiling of the androgen receptor antagonists flutamide and vinclozolin in zebrafish (Danio rerio) gonads. Aquatic Toxicology, 2011, 101, 447-458.	1.9	50
42	Transcriptional regulatory dynamics of the hypothalamicâ€“pituitaryâ€“gonadal axis and its peripheral pathways as impacted by the 3-beta HSD inhibitor trilostane in zebrafish (Danio rerio). Ecotoxicology and Environmental Safety, 2011, 74, 1461-1470.	2.9	14
43	Temporal Dynamics of Periphyton Exposed to Tetracycline in Stream Mesocosms. Environmental Science & Technology, 2011, 45, 10684-10690.	4.6	49
44	Differential Gene Expression in Daphnia magna Suggests Distinct Modes of Action and Bioavailability for ZnO Nanoparticles and Zn Ions. Environmental Science & Technology, 2011, 45, 762-768.	4.6	176
45	Sediment Toxicity in Mid-Continent Great Rivers (USA). Archives of Environmental Contamination and Toxicology, 2011, 60, 57-67.	2.1	5
46	A computational model of the hypothalamic - pituitary - gonadal axis in female fathead minnows (Pimephales promelas) exposed to 17Î±-ethynylestradiol and 17Î²-trenbolone. BMC Systems Biology, 2011, 5, 63.	3.0	34
47	Metal removal efficiency and ecotoxicological assessment of field-scale passive treatment biochemical reactors. Environmental Toxicology and Chemistry, 2011, 30, 385-392.	2.2	5
48	Changes in agglomeration of fullerenes during ingestion and excretion in Thamnocephalus platyurus. Environmental Toxicology and Chemistry, 2011, 30, 828-835.	2.2	14
49	An assessment of stressor extent and biological condition in the North American mid-continent great rivers (USA). River Systems, 2011, 19, 48-68.	0.2	12
50	Comparison of Bulk Sediment and Sediment Elutriate Toxicity Testing Methods. Archives of Environmental Contamination and Toxicology, 2010, 58, 676-683.	2.1	14
51	Persistent organic pollutants in fish tissue in the mid-continental great rivers of the United States. Science of the Total Environment, 2010, 408, 1180-1189.	3.9	52
52	Predicting variability of aquatic concentrations of human pharmaceuticals. Science of the Total Environment, 2010, 408, 4504-4510.	3.9	32
53	Effects from filtration, capping agents, and presence/absence of food on the toxicity of silver nanoparticles to Daphnia magna. Environmental Toxicology and Chemistry, 2010, 29, 2742-2750.	2.2	117
54	Mercury Contamination in Fish in Midcontinent Great Rivers of the United States: Importance of Species Traits and Environmental Factors. Environmental Science & Technology, 2010, 44, 2947-2953.	4.6	26

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55	A transcriptomics-based biological framework for studying mechanisms of endocrine disruption in small fish species. Aquatic Toxicology, 2010, 98, 230-244.	1.9	35
56	Linking Excess Nutrients, Light, and Fine Bedded Sediments to Impacts on Faunal Assemblages in Headwater Agricultural Streams¹. Journal of the American Water Resources Association, 2009, 45, 1475-1492.	1.0	13
57	Development and validation of aDaphnia magnafourâ€day survival and growth test method. Environmental Toxicology and Chemistry, 2009, 28, 1028-1034.	2.2	21
58	Altered gene expression in the brain and ovaries of zebrafish (Danio Rerio) exposed to the aromatase inhibitor fadrozole: Microarray analysis and hypothesis generation. Environmental Toxicology and Chemistry, 2009, 28, 1767-1782.	2.2	48
59	Effects of water hardness on skeletal development and growth in juvenile fathead minnows. Aquaculture, 2009, 286, 226-232.	1.7	17
60	Endocrine disrupting chemicals in fish: Developing exposure indicators and predictive models of effects based on mechanism of action. Aquatic Toxicology, 2009, 92, 168-178.	1.9	234
61	Sourceâ€“sink dynamics sustain central stonerollers (Campostoma anomalum) in a heavily urbanized catchment. Freshwater Biology, 2008, 53, 2061-2075.	1.2	22
62	Risks to aquatic organisms posed by human pharmaceutical use. Science of the Total Environment, 2008, 389, 329-339.	3.9	179
63	Perfluorinated compounds in whole fish homogenates from the Ohio, Missouri, and Upper Mississippi Rivers, USA. Environmental Pollution, 2008, 156, 1227-1232.	3.7	76
64	Analysis of Ecologically Relevant Pharmaceuticals in Wastewater and Surface Water Using Selective Solid-Phase Extraction and UPLCâˆ'MS/MS. Analytical Chemistry, 2008, 80, 5021-5030.	3.2	224
65	Influence of Trophic Position and Spatial Location on Polychlorinated Biphenyl (PCB) Bioaccumulation in a Stream Food Web. Environmental Science & Technology, 2008, 42, 2316-2322.	4.6	51
66	Collapse of a fish population after exposure to a synthetic estrogen. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8897-8901.	3.3	1,669
67	Rainbow Trout (Oncorhynchus mykiss) and Brook Trout (Salvelinus fontinalis) 7-Day Survival and Growth Test Method. Archives of Environmental Contamination and Toxicology, 2007, 53, 397-405.	2.1	8
68	Effects of eutrophication on vitellogenin gene expression in male fathead minnows (Pimephales) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 559-566.	3.7	14
69	Identification of Metabolites of Trenbolone Acetate in Androgenic Runoff from a Beef Feedlot. Environmental Health Perspectives, 2006, 114, 65-68.	2.8	152
70	A toxicity assessment approach for evaluation of in-situ bioremediation of PAH contaminated sediments. , 2005, , .		1
71	INTERLABORATORY COMPARISON OF A REDUCED VOLUME MARINE SEDIMENT TOXICITY TEST METHOD USING THE AMPHIPOD AMPELISCA ABDITA. Environmental Toxicology and Chemistry, 2004, 23, 632.	2.2	3
72	RELATIONSHIPS AMONG EXCEEDENCES OF METALS CRITERIA, THE RESULTS OF AMBIENT BIOASSAYS, AND COMMUNITY METRICS IN MINING-IMPACTED STREAMS. Environmental Toxicology and Chemistry, 2004, 23, 1786.	2.2	20

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73	Temporal and spatial variability in the estrogenicity of a municipal wastewater effluent. Ecotoxicology and Environmental Safety, 2004, 57, 303-310.	2.9	38
74	Studies on bioremediation of polycyclic aromatic hydrocarbonâ€contaminated sediments: Bioavailability, biodegradability, and toxicity issues. Environmental Toxicology and Chemistry, 2003, 22, 473-482.	2.2	44
75	Contamination of fish in streams of the Midâ€Atlantic Region: An approach to regional indicator selection and wildlife assessment. Environmental Toxicology and Chemistry, 2003, 22, 545-553.	2.2	47
76	Chapter 23 USEPA biomonitoring and bioindicator concepts needed to evaluate the biological integrity of aquatic systems. Trace Metals and Other Contaminants in the Environment, 2003, 6, 831-874.	0.1	12
77	Contamination of fish in streams of the Mid-Atlantic Region: An approach to regional indicator selection and wildlife assessment. , 2003, 22, 545.		2
78	Contamination of fish in streams of the Mid-Atlantic Region: an approach to regional indicator selection and wildlife assessment. Environmental Toxicology and Chemistry, 2003, 22, 545-53.	2.2	10
79	Evaluation of reduced sediment volume toxicity test procedures using the marine amphipodAmpelisca abdita. Environmental Toxicology and Chemistry, 2002, 21, 2372-2377.	2.2	10
80	17Î±â€ethynylestradiolâ€induced vitellogenin gene transcription quantified in livers of adult males, larvae, and gills of fathead minnows (Pimephales promelas). Environmental Toxicology and Chemistry, 2002, 21, 2385-2393.	2.2	40
81	17alpha-ethynylestradiol-induced vitellogenin gene transcription quantified in livers of adult males, larvae, and gills of fathead minnows (Pimephales promelas). Environmental Toxicology and Chemistry, 2002, 21, 2385-93.	2.2	29
82	HEAVY METALS STRUCTURE BENTHIC COMMUNITIES IN COLORADO MOUNTAIN STREAMS. , 2000, 10, 626-638.		326
83	Elemental fish tissue contamination in Northeastern U.S. Lakes: Evaluation of an approach to regional assessment. Environmental Toxicology and Chemistry, 1998, 17, 1875-1884.	2.2	69
84	The effects of elevated metals on benthic community metabolism in a rocky mountain stream. Environmental Pollution, 1997, 95, 183-190.	3.7	41
85	A reformulated, reconstituted water for testing the freshwater amphipod, Hyalella azteca. Environmental Toxicology and Chemistry, 1997, 16, 1229-1233.	2.2	78
86	A REFORMULATED, RECONSTITUTED WATER FOR TESTING THE FRESHWATER AMPHIPOD, HYALELLA AZTECA. Environmental Toxicology and Chemistry, 1997, 16, 1229.	2.2	27
87	Subchronic sensitivity of one-, four-, and seven-day-old fathead minnow (Pimephales promelas) larvae to five toxicants. Environmental Toxicology and Chemistry, 1996, 15, 353-359.	2.2	11
88	Interlaboratory study of precision: Hyalella azteca and Chironomus tentans freshwater sediment toxicity assays. Environmental Toxicology and Chemistry, 1996, 15, 1335-1343.	2.2	48
89	The potential of an earthworm avoidance test for evaluation of hazardous waste sites. Environmental Toxicology and Chemistry, 1996, 15, 1532-1537.	2.2	129
90	Evaluation of the robustness of the fathead minnow, Pimephales promelas, larval survival and growth test, U.S. EPA method 1000.0. Environmental Toxicology and Chemistry, 1995, 14, 653-659.	2.2	25

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91	Evaluation of alternative reference toxicants for use in the earthworm toxicity test. Environmental Toxicology and Chemistry, 1995, 14, 1189-1194.	2.2	22
92	Evaluation of microsomal and cytosolic biomarkers in a seven-day larval trout sediment toxicity test. Aquatic Toxicology, 1995, 31, 189-202.	1.9	24
93	The relationship of total copper 48â€H LC50s to Daphnia magna dry weight. Environmental Toxicology and Chemistry, 1993, 12, 903-911.	2.2	6
94	Relationship of microbial activity andCeriodaphnia responses to mining impacts on the Clark Fork River, Montana. Archives of Environmental Contamination and Toxicology, 1987, 16, 523-530.	2.1	19
95	Acute and chronic toxicity of sodium selenate toDaphnia magnastraus. Environmental Toxicology and Chemistry, 1983, 2, 239-244.	2.2	14