James M Lazorchak

List of Publications by Year
in descending order

#	Article	IF	Citations
1	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.	7.1	1,669
2	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. Environmental Health Perspectives, 2012, 120, 1221-1229.	6.0	1,033
3	Management Options for Reducing the Release of Antibiotics and Antibiotic Resistance Genes to the Environment. Environmental Health Perspectives, 2013, 121, 878-885.	6.0	657
4	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.	4.3	380
5	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.	7.5	372
6	HEAVY METALS STRUCTURE BENTHIC COMMUNITIES IN COLORADO MOUNTAIN STREAMS. , 2000, 10, 626-638.		326
7	Endocrine disrupting chemicals in fish: Developing exposure indicators and predictive models of effects based on mechanism of action. Aquatic Toxicology, 2009, 92, 168-178.	4.0	234
8	Saving freshwater from salts. Science, 2016, 351, 914-916.	12.6	232
9	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.	6.5	224
10	Ecotoxicological assessment of antibiotics: A call for improved consideration of microorganisms. Environment International, 2015, 85, 189-205.	10.0	209
11	Risks to aquatic organisms posed by human pharmaceutical use. Science of the Total Environment, 2008, 389, 329-339.	8.0	179
12	Differential Gene Expression in <i>Daphnia magna</i> Suggests Distinct Modes of Action and Bioavailability for ZnO Nanoparticles and Zn Ions. Environmental Science & Technology, 2011, 45, 762-768.	10.0	176
13	Toxicogenomic Responses of Nanotoxicity in <i>Daphnia magna</i> Exposed to Silver Nitrate and Coated Silver Nanoparticles. Environmental Science & Technology, 2012, 46, 6288-6296.	10.0	159
14	Identification of Metabolites of Trenbolone Acetate in Androgenic Runoff from a Beef Feedlot. Environmental Health Perspectives, 2006, 114, 65-68.	6.0	152
15	The potential of an earthworm avoidance test for evaluation of hazardous waste sites. Environmental Toxicology and Chemistry, 1996, 15, 1532-1537.	4.3	129
16	Effects from filtration, capping agents, and presence/absence of food on the toxicity of silver nanoparticles to <i>Daphnia magna</i>. Environmental Toxicology and Chemistry, 2010, 29, 2742-2750.	4.3	117
17	A reformulated, reconstituted water for testing the freshwater amphipod, <i>Hyalella azteca</i>. Environmental Toxicology and Chemistry, 1997, 16, 1229-1233.	4.3	78
18	Perfluorinated compounds in whole fish homogenates from the Ohio, Missouri, and Upper Mississippi Rivers, USA. Environmental Pollution, 2008, 156, 1227-1232.	7.5	76

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19	Toxic benthic freshwater cyanobacterial proliferations: Challenges and solutions for enhancing knowledge and improving monitoring and mitigation. Freshwater Biology, 2020, 65, 1824-1842.	2.4	71
20	Elemental fish tissue contamination in Northeastern U.S. Lakes: Evaluation of an approach to regional assessment. Environmental Toxicology and Chemistry, 1998, 17, 1875-1884.	4.3	69
21	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.	4.3	57
22	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.	8.0	52
23	Influence of Trophic Position and Spatial Location on Polychlorinated Biphenyl (PCB) Bioaccumulation in a Stream Food Web. Environmental Science & Technology, 2008, 42, 2316-2322.	10.0	51
24	Elevated major ion concentrations inhibit larval mayfly growth and development. Environmental Toxicology and Chemistry, 2015, 34, 167-172.	4.3	51
25	Gene expression profiling of the androgen receptor antagonists flutamide and vinclozolin in zebrafish (Danio rerio) gonads. Aquatic Toxicology, 2011, 101, 447-458.	4.0	50
26	Temporal Dynamics of Periphyton Exposed to Tetracycline in Stream Mesocosms. Environmental Science & Technology, 2011, 45, 10684-10690.	10.0	49
27	Interlaboratory study of precision: <i>Hyalella azteca</i> and <i>Chironomus tentans</i> freshwater sediment toxicity assays. Environmental Toxicology and Chemistry, 1996, 15, 1335-1343.	4.3	48
28	Altered gene expression in the brain and ovaries of zebrafish (<i>Danio Rerio</i>) exposed to the aromatase inhibitor fadrozole: Microarray analysis and hypothesis generation. Environmental Toxicology and Chemistry, 2009, 28, 1767-1782.	4.3	48
29	Assessing Impacts of Land-Applied Manure from Concentrated Animal Feeding Operations on Fish Populations and Communities. Environmental Science & Technology, 2012, 46, 13440-13447.	10.0	48
30	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.	4.3	47
31	Effects of a chronic lower range of triclosan exposure on a stream mesocosm community. Environmental Toxicology and Chemistry, 2013, 32, 2874-2887.	4.3	45
32	Studies on bioremediation of polycyclic aromatic hydrocarbonâ€contaminated sediments: Bioavailability, biodegradability, and toxicity issues. Environmental Toxicology and Chemistry, 2003, 22, 473-482.	4.3	44
33	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.	8.2	44
34	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.	4.3	43
35	The effects of elevated metals on benthic community metabolism in a rocky mountain stream. Environmental Pollution, 1997, 95, 183-190.	7.5	41
36	17Î±â€ethynylestradiolâ€induced vitellogenin gene transcription quantified in livers of adult males, larvae, and gills of fathead minnows (<i>Pimephales promelas</i>). Environmental Toxicology and Chemistry, 2002, 21, 2385-2393.	4.3	40

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37	Reproductive effects in fathead minnows (Pimphales promelas) following a 21Âd exposure to 17Î±-ethinylestradiol. Chemosphere, 2016, 144, 366-373.	8.2	40
38	Temporal and spatial variability in the estrogenicity of a municipal wastewater effluent. Ecotoxicology and Environmental Safety, 2004, 57, 303-310.	6.0	38
39	A transcriptomics-based biological framework for studying mechanisms of endocrine disruption in small fish species. Aquatic Toxicology, 2010, 98, 230-244.	4.0	35
40	Determining the effects of ammonia on fathead minnow (Pimephales promelas) reproduction. Science of the Total Environment, 2012, 420, 127-133.	8.0	35
41	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.	10.0	35
42	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
43	Predicting variability of aquatic concentrations of human pharmaceuticals. Science of the Total Environment, 2010, 408, 4504-4510.	8.0	32
44	Proteomic analysis of a model fish species exposed to individual pesticides and a binary mixture. Aquatic Toxicology, 2011, 101, 196-206.	4.0	29
45	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.	4.3	29
46	Toxicity and Transcriptomic Analysis in <i>Hyalella azteca</i> Suggests Increased Exposure and Susceptibility of Epibenthic Organisms to Zinc Oxide Nanoparticles. Environmental Science & Technology, 2013, 47, 9453-9460.	10.0	28
47	A REFORMULATED, RECONSTITUTED WATER FOR TESTING THE FRESHWATER AMPHIPOD, HYALELLA AZTECA. Environmental Toxicology and Chemistry, 1997, 16, 1229.	4.3	27
48	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.	10.0	26
49	Evaluation of the robustness of the fathead minnow, <i>Pimephales promelas</i>, larval survival and growth test, U.S. EPA method 1000.0. Environmental Toxicology and Chemistry, 1995, 14, 653-659.	4.3	25
50	Evaluation of microsomal and cytosolic biomarkers in a seven-day larval trout sediment toxicity test. Aquatic Toxicology, 1995, 31, 189-202.	4.0	24
51	Part 1: Laboratory culture of Centroptilum triangulifer (Ephemeroptera: Baetidae) using a defined diet of three diatoms. Chemosphere, 2015, 139, 589-596.	8.2	23
52	Evaluation of alternative reference toxicants for use in the earthworm toxicity test. Environmental Toxicology and Chemistry, 1995, 14, 1189-1194.	4.3	22
53	Sourceâ€"sink dynamics sustain central stonerollers (<i>Campostoma anomalum</i>) in a heavily urbanized catchment. Freshwater Biology, 2008, 53, 2061-2075.	2.4	22
54	Development and validation of a<i>Daphnia magna</i>fourâ€day survival and growth test method. Environmental Toxicology and Chemistry, 2009, 28, 1028-1034.	4.3	21

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55	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.	4.3	20
56	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.	4.1	19
57	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.	8.2	19
58	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.	7.5	19
59	Determination of Cyanotoxins and Prymnesins in Water, Fish Tissue, and Other Matrices: A Review. Toxins, 2022, 14, 213.	3.4	19
60	Effects of water hardness on skeletal development and growth in juvenile fathead minnows. Aquaculture, 2009, 286, 226-232.	3.5	17
61	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.	8.0	15
62	Acute and chronic toxicity of sodium selenate to<i>Daphnia magna</i>straus. Environmental Toxicology and Chemistry, 1983, 2, 239-244.	4.3	14
63	Effects of eutrophication on vitellogenin gene expression in male fathead minnows (Pimephales) Tj ETQq1 1 0.784314 rgBT /Overlock 1 559-566.	7.5	14
64	Comparison of Bulk Sediment and Sediment Elutriate Toxicity Testing Methods. Archives of Environmental Contamination and Toxicology, 2010, 58, 676-683.	4.1	14
65	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.	6.0	14
66	Changes in agglomeration of fullerenes during ingestion and excretion in <i>Thamnocephalus platyurus</i>. Environmental Toxicology and Chemistry, 2011, 30, 828-835.	4.3	14
67	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.	4.3	14
68	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.	2.4	13
69	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.	8.2	13
70	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
71	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
72	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.	4.3	11

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73	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.	4.3	11
74	Evaluation of reduced sediment volume toxicity test procedures using the marine amphipod<i>Ampelisca abdita</i>. Environmental Toxicology and Chemistry, 2002, 21, 2372-2377.	4.3	10
75	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.	4.3	10
76	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.	4.1	8
77	The effects of urbanization on Lepomis macrochirus using the comet assay. Ecotoxicology and Environmental Safety, 2012, 84, 299-303.	6.0	7
78	Initial development of a multigene â¿¿omics-based exposure biomarker for pyrethroid pesticides. Aquatic Toxicology, 2016, 179, 27-35.	4.0	7
79	The relationship of total copper 48â€H LC50s to <i>Daphnia magna</i> dry weight. Environmental Toxicology and Chemistry, 1993, 12, 903-911.	4.3	6
80	Risks from mercury in anadromous fish collected from Penobscot River, Maine. Science of the Total Environment, 2021, 781, 146691.	8.0	6
81	Sediment Toxicity in Mid-Continent Great Rivers (USA). Archives of Environmental Contamination and Toxicology, 2011, 60, 57-67.	4.1	5
82	Metal removal efficiency and ecotoxicological assessment of field-scale passive treatment biochemical reactors. Environmental Toxicology and Chemistry, 2011, 30, 385-392.	4.3	5
83	A new approach for the laboratory culture of the fathead minnow, <i>Pimephales promelas</i>. Environmental Toxicology and Chemistry, 2014, 33, 126-133.	4.3	5
84	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.	7.5	5
85	Tools to minimize interlaboratory variability in vitellogenin gene expression monitoring programs. Environmental Toxicology and Chemistry, 2017, 36, 3102-3107.	4.3	5
86	Development of a Risk Characterization Tool for Harmful Cyanobacteria Blooms on the Ohio River. Water (Switzerland), 2022, 14, 644.	2.7	5
87	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.	4.3	4
88	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.	4.3	4
89	INTERLABORATORY COMPARISON OF A REDUCED VOLUME MARINE SEDIMENT TOXICITY TEST METHOD USING THE AMPHIPOD AMPELISCA ABDITA. Environmental Toxicology and Chemistry, 2004, 23, 632.	4.3	3
90	An interlaboratory comparison of sediment elutriate preparation and toxicity test methods. Environmental Monitoring and Assessment, 2012, 184, 7343-7351.	2.7	3

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91	Multigene Biomarkers of Pyrethroid Exposure: Exploratory Experiments. Environmental Toxicology and Chemistry, 2019, 38, 2436-2446.	4.3	3
92	Uptake of Sulfate from Ambient Water by Freshwater Animals. Water (Switzerland), 2020, 12, 1496.	2.7	3
93	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.	4.3	2
94	A toxicity assessment approach for evaluation of in-situ bioremediation of PAH contaminated sediments. , 2005, , .		1
95	A Look Backwards at Environmental Risk Assessment: An Approach to Reconstructing Ecological Exposures. Emerging Topics in Ecotoxicology, 2012, , 109-137.	1.5	0