

James T Oris

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

2,856
citations

31
h-index

47
g-index

120
ext. papers

3,029
ext. citations

4.1
avg, IF

4.94
L-index

#	Paper	IF	Citations
113	Estimating incident ultraviolet radiation exposure in the northern Gulf of Mexico during the Deepwater Horizon oil spill. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1679-1687	3.8	15
112	An International Perspective on the Tools and Concepts for Effluent Toxicity Assessments in the Context of Animal Alternatives: Reduction in Vertebrate Use. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2745-2757	3.8	18
111	Characterization of basic immune function parameters in the fathead minnow (<i>Pimephales promelas</i>), a common model in environmental toxicity testing. <i>Fish and Shellfish Immunology</i> , 2017 , 61, 163-172	4.3	9
110	Co-exposure to sunlight enhances the toxicity of naturally weathered Deepwater Horizon oil to early lifestage red drum (<i>Sciaenops ocellatus</i>) and speckled seatrout (<i>Cynoscion nebulosus</i>). <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 780-785	3.8	18
109	Review of the photo-induced toxicity of environmental contaminants. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 191, 160-167	3.2	25
108	Ultraviolet Radiation Enhances the Toxicity of Deepwater Horizon Oil to Mahi-mahi (<i>Coryphaena hippurus</i>) Embryos. <i>Environmental Science & Technology</i> , 2016 , 50, 2011-7	10.3	49
107	Environmental Toxicology, Statistics in 2015 , 1-8		
106	The fish embryo toxicity test as a replacement for the larval growth and survival test: A comparison of test sensitivity and identification of alternative endpoints in zebrafish and fathead minnows. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1369-81	3.8	24
105	Photo-induced toxicity of Deepwater Horizon slick oil to blue crab (<i>Callinectes sapidus</i>) larvae. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 2061-6	3.8	42
104	Methylmercury Bioaccumulation in Stream Food Webs Declines with Increasing Primary Production. <i>Environmental Science & Technology</i> , 2015 , 49, 7762-9	10.3	22
103	Estimating Potency for Hierarchical Dichotomous Responses in an Aquatic Toxicology Study. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2014 , 19, 185-201	1.9	2
102	Microscopic examination of skin in native and nonnative fish from Lake Tahoe exposed to ultraviolet radiation and fluoranthene. <i>Aquatic Toxicology</i> , 2014 , 147, 151-7	5.1	6
101	Acute photo-induced toxicity and toxicokinetics of single compounds and mixtures of polycyclic aromatic hydrocarbons in zebrafish. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2028-37	3.8	34
100	A comparison of commercially-available automated and manual extraction kits for the isolation of total RNA from small tissue samples. <i>BMC Biotechnology</i> , 2014 , 14, 94	3.5	35
99	Alternative methods for toxicity assessments in fish: comparison of the fish embryo toxicity and the larval growth and survival tests in zebrafish and fathead minnows. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2584-94	3.8	20
98	Quantitative risk model for polycyclic aromatic hydrocarbon photoinduced toxicity in Pacific herring following the Exxon Valdez oil spill. <i>Environmental Science & Technology</i> , 2013 , 47, 5450-8	10.3	21
97	Photo-enhanced toxicity: serendipity of a prepared mind and flexible program management. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 969-71	3.8	7

96	Baseline characteristics and statistical implications for the OECD 210 fish early-life stage chronic toxicity test. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 370-6	3.8	27
95	Estimating brood-specific reproductive inhibition potency in aquatic toxicity testing. <i>Environmetrics</i> , 2012 , 23, 696-705	1.3	4
94	Development and application of a UV attainment threshold for the prevention of warmwater aquatic invasive species. <i>Biological Invasions</i> , 2012 , 14, 2331-2342	2.7	4
93	Bayesian approach to estimating reproductive inhibition potency in aquatic toxicity testing. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 916-27	3.8	12
92	Differential tolerance of native and nonnative fish exposed to ultraviolet radiation and fluoranthene in Lake Tahoe (California/Nevada), USA. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1129-35	3.8	11
91	Bayesian approach to potency estimation for aquatic toxicology experiments when a toxicant affects both fecundity and survival. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 1920-30	3.8	6
90	Necrophagy by a benthic omnivore influences biomagnification of methylmercury in fish. <i>Aquatic Toxicology</i> , 2011 , 102, 134-41	5.1	12
89	Ultraviolet radiation affects invasibility of lake ecosystems by warm-water fish. <i>Ecology</i> , 2010 , 91, 882-904	4.6	22
88	Suspended C60 nanoparticles protect against short-term UV and fluoranthene photo-induced toxicity, but cause long-term cellular damage in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2010 , 100, 202-10	5.1	50
87	CYP1A expression in caged rainbow trout discriminates among sites with various degrees of polychlorinated biphenyl contamination. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 58, 772-82	3.2	21
86	Mercury Flux to Sediments of Lake Tahoe, California-Nevada. <i>Water, Air, and Soil Pollution</i> , 2010 , 210, 399-407	2.6	14
85	Lake-specific responses in sedimentary sulphur, after additions of copper sulphate to lakes in Michigan, USA. <i>Lakes and Reservoirs: Research and Management</i> , 2009 , 14, 193-201	1.2	3
84	Patterns of spatial and temporal variability of UV transparency in Lake Tahoe, California-Nevada. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		30
83	Gene sequences for cytochromes p450 1A1 and 1A2: the need for biomarker development in sea otters (<i>Enhydra lutris</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 151, 336-48	2.3	7
82	Mercury toxicity in livers of northern pike (<i>Esox lucius</i>) from Isle Royale, USA. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 147, 331-8	3.2	33
81	Atrazine and increased male production by <i>Daphnia</i> : the importance of combining field and laboratory approaches. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 2352-60	3.8	7
80	Enhancing the ecological risk assessment process. <i>Integrated Environmental Assessment and Management</i> , 2008 , 4, 306-13	2.5	48
79	Deposition and cycling of sulfur controls mercury accumulation in Isle Royale fish. <i>Environmental Science & Technology</i> , 2007 , 41, 7266-72	10.3	51

78	Statistical analysis of cytochrome P4501A biomarker measurements in fish. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 1742-50	3.8	21
77	Effects of light on microalgae concentrations and selenium uptake in bivalves exposed to selenium-amended sediments. <i>Archives of Environmental Contamination and Toxicology</i> , 2007 , 53, 365-70 ^{3,2}		5
76	Gene expression in caged juvenile Coho Salmon (<i>Oncorhynchus kisutch</i>) exposed to the waters of Prince William Sound, Alaska. <i>Marine Pollution Bulletin</i> , 2006 , 52, 1527-32	6.7	7
75	Ontogenetic dynamics of mercury accumulation in Northwest Atlantic sea lamprey (<i>Petromyzon marinus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 1058-1066	2.4	23
74	Altered gene expression: a mechanism for reproductive toxicity in zebrafish exposed to benzo[a]pyrene. <i>Aquatic Toxicology</i> , 2006 , 78, 332-40	5.1	82
73	Increased ovarian follicular apoptosis in fathead minnows (<i>Pimephales promelas</i>) exposed to dietary methylmercury. <i>Aquatic Toxicology</i> , 2006 , 79, 49-54	5.1	58
72	Gene expression in caged fish as a first-tier indicator of contaminant exposure in streams. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 3092-8	3.8	23
71	Multiple biomarker response in rainbow trout during exposure to hexavalent chromium. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004 , 138, 221-8	3.2	35
70	Defining and evaluating impact in environmental toxicology. <i>Environmetrics</i> , 2003 , 14, 235-243	1.3	3
69	Laboratory and field validation of multiple molecular biomarkers of contaminant exposure in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 361-370	3.8	45
68	Effect of Methyl tert-Butyl Ether on the Bioconcentration and Photoinduced Toxicity of Fluoranthene in Fathead Minnow Larvae (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2003 , 37, 1306-1310	10.3	21
67	Response to Comment on Effect of Methyl tert-Butyl Ether on the Bioconcentration and Photoinduced Toxicity of Fluoranthene in Fathead Minnow Larvae (<i>Pimephales promelas</i>) [□] <i>Environmental Science & Technology</i> , 2003 , 37, 4524-4525	10.3	2
66	Assessment of the toxicity of anthracene photo-modification products using the topminnow (<i>Poeciliopsis lucida</i>) hepatoma cell line (PLHC-1). <i>Aquatic Toxicology</i> , 2003 , 65, 243-51	5.1	30
65	Laboratory and field validation of multiple molecular biomarkers of contaminant exposure in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 361-70	3.8	2
64	Toxicokinetics, available source, and route of entry of lead in fed and food-deprived bullfrog (<i>Rana catesbeiana</i>) larvae. <i>Archives of Environmental Contamination and Toxicology</i> , 2001 , 41, 450-7	3.2	3
63	Differential survivorship among allozyme genotypes of <i>Hyaella azteca</i> exposed to cadmium, zinc or low pH. <i>Aquatic Toxicology</i> , 2001 , 54, 15-28	5.1	19
62	Defining the baseline for inhibition concentration calculations for hormetic hazards. <i>Journal of Applied Toxicology</i> , 2000 , 20, 121-5	4.1	14
61	An empirical comparison of effective concentration estimators for evaluating aquatic toxicity test responses. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 141-150	3.8	18

60	Effects of acute exposure to fluoranthene-contaminated sediment on the survival and genetic variability of fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1011-1018	3.8	14
59	Genotype and toxicity relationships among <i>Hyalella azteca</i> : I. Acute exposure to metals or low pH. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1414-1421	3.8	16
58	Genotype and toxicity relationships among <i>Hyalella azteca</i> : II. Acute exposure to fluoranthene-contaminated sediment. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1422-1426	3.8	18
57	Evidence of oxidative stress in bluegill sunfish (<i>Lepomis macrochirus</i>) liver microsomes simultaneously exposed to solar ultraviolet radiation and anthracene. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1795-1799	3.8	55
56	Anthracene photoinduced toxicity to plhc-1 cell line (<i>Poeciliopsis lucida</i>) and the role of lipid peroxidation in toxicity. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2699-2706	3.8	33
55	Simulation study of characteristics of statistical estimators of inhibition concentration. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 3068-3073	3.8	6
54	Genetic structure and relationships among populations of <i>Hyalella azteca</i> and <i>H. montezuma</i> (Crustacea:Amphipoda). <i>Journal of the North American Benthological Society</i> , 2000 , 19, 308-320		13
53	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1011	3.8	9
52	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1422	3.8	12
51	. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 1795	3.8	30
50	Enhancement of Acute Parathion Toxicity to Fathead Minnows Following Pre-exposure to Propiconazole. <i>Pesticide Biochemistry and Physiology</i> , 1999 , 65, 102-109	4.9	14
49	Humic acids reduce the bioaccumulation and photoinduced toxicity of fluoranthene to fish. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 2087-2094	3.8	45
48	Modulation of CYP1A expression in rainbow trout by a technical grade formulation of propiconazole. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 2565-2573	3.8	22
47	Noncompetitive mixed-type inhibition of rainbow trout CYP1A catalytic activity by clotrimazole. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1999 , 122, 205-10		15
46	CYP1A expression in liver and gill of rainbow trout following waterborne exposure: implications for biomarker determination. <i>Aquatic Toxicology</i> , 1999 , 46, 279-287	5.1	89
45	Humic acids reduce the bioaccumulation and photoinduced toxicity of fluoranthene to fish 1999 , 18, 2087		4
44	Behavioral and histopathological effects of fluoranthene on bullfrog larvae (<i>Rana catesbeiana</i>). <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 734-739	3.8	20
43	Effects of organism allocation on toxicity test results. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 928-931	3.8	2

42	Incorporating hormesis in the routine testing of hazards. <i>Human and Experimental Toxicology</i> , 1998 , 17, 247-50	3.4	4
41	Induction of CYP1A mRNA and catalytic activity in gizzard shad (<i>Dorosoma cepedianum</i>) after waterborne exposure to benzo[a]pyrene. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1997 , 118, 397-404		7
40	An ultrastructural examination of the mode of UV-induced toxic action of fluoranthene in the fathead minnow, <i>Pimephales promelas</i> . <i>Aquatic Toxicology</i> , 1997 , 39, 1-22	5.1	64
39	Dose-dependent response of mature cerebrovascular axons in vivo following intracranial infusion of nerve growth factor. <i>Neuroscience Letters</i> , 1997 , 222, 21-4	3.3	6
38	Effect of the fungicide clotrimazole on the bioconcentration of benzo[a]pyrene in gizzard shad (<i>Dorosoma cepedianum</i>): In vivo and in vitro inhibition of cytochrome P4501A activity. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 306-311	3.8	31
37	Genetic differentiation among laboratory populations of <i>Hyalella azteca</i> : Implications for toxicology. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 691-695	3.8	39
36	Differential survival of fathead minnows, <i>Pimephales promelas</i> , as affected by copper exposure, prior population stress, and allozyme genotypes. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 939-947	3.8	24
35	Estimating inhibition concentrations for different response scales using generalized linear models. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 1554-1559	3.8	70
34	Equivalence of concentration-response relationships in aquatic toxicology studies: Testing and implications for potency estimation. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 2204-2209	3.8	22
33	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 306	3.8	4
32	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 691	3.8	22
31	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 939	3.8	20
30	Estimating inhibition concentrations for different response scales using generalized linear models 1997 , 16, 1554		3
29	. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 2204	3.8	23
28	Implications of defining test acceptability in terms of control-group survival in two-group survival studies. <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 1242-1244	3.8	1
27	The role of water ventilation and sediment ingestion in the uptake of benzo[A]pyrene in gizzard shad (<i>dorosoma cepedianum</i>). <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 1752-1759	3.8	18
26	The role of water ventilation and sediment ingestion on the uptake of hexachlorobenzene by gizzard shad (<i>Dorosoma cepedianum</i>). <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 1760-1762	3.8	4
25	Influence of environmental factors on the physiological condition and hepatic ethoxyresorufin o-deethylase (erod) activity of gizzard shad (<i>Dorosoma cepedianum</i>). <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 123-128	3.8	14

24	An inexpensive fathead minnow egg incubation and toxicant exposure system. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1387-1388	3.8	5
23	A system for conducting flow-through toxicity tests with larval fish. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1389-1391	3.8	3
22	Adaptation to fluoranthene exposure in a laboratory population of fathead minnows. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1393-1400	3.8	39
21	Survival of copper-exposed juvenile fathead minnows (<i>Pimephales promelas</i>) differs among allozyme genotypes. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1727-1734	3.8	31
20	The relationship between specific growth rate and swimming performance in male fathead minnows (<i>Pimephales promelas</i>). <i>Canadian Journal of Zoology</i> , 1995 , 73, 2165-2167	1.5	52
19	Adaptation to fluoranthene exposure in a laboratory population of fathead minnows 1995 , 14, 1393		2
18	. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1727	3.8	16
17	Accumulation and food chain transfer of fluoranthene and benzo[a]pyrene in <i>Chironomus riparius</i> and <i>Lepomis macrochirus</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1994 , 26, 261	3.2	59
16	Comparison of P-4501A1 monooxygenase induction in gizzard shad (<i>Dorosoma cepedianum</i>) following intraperitoneal injection or continuous waterborne-exposure with benzo[a]pyrene: Temporal and dose-dependent studies. <i>Aquatic Toxicology</i> , 1994 , 30, 61-75	5.1	23
15	Effect of anthracene and solar ultraviolet radiation exposure on gill ATPase and selected hematologic measurements in the bluegill sunfish (<i>Lepomis macrochirus</i>). <i>Aquatic Toxicology</i> , 1993 , 24, 207-217	5.1	49
14	Statistical analysis of the Ceriodaphnia toxicity test: Sample size determination for reproductive effects. <i>Environmental Toxicology and Chemistry</i> , 1993 , 12, 85-90	3.8	28
13	Modeling reproductive toxicity in Ceriodaphnia tests. <i>Environmental Toxicology and Chemistry</i> , 1993 , 12, 787-791	3.8	31
12	. <i>Environmental Toxicology and Chemistry</i> , 1993 , 12, 85	3.8	10
11	Effects of sediment organic carbon content on the elimination rates of neutral lipophilic compounds in the midge (<i>Chironomus Riparius</i>). <i>Environmental Toxicology and Chemistry</i> , 1992 , 11, 347-356	3.8	15
10	A four-day survival and reproduction toxicity test for ceriodaphnia dubia. <i>Environmental Toxicology and Chemistry</i> , 1991 , 10, 217-224	3.8	47
9	Anthracene reduces reproductive potential is maternally transferred during long-term exposure in fathead minnows. <i>Aquatic Toxicology</i> , 1991 , 19, 249-264	5.1	76
8	Effect of water temperature and dissolved oxygen concentration on the photo-induced toxicity of anthracene to juvenile bluegill sunfish (<i>Lepomis macrochirus</i>). <i>Aquatic Toxicology</i> , 1991 , 21, 145-156	5.1	35
7	Humic acids reduce the photo-induced toxicity of anthracene to fish and daphnia. <i>Environmental Toxicology and Chemistry</i> , 1990 , 9, 575-583	3.8	76

6	Humic acids reduce the photo-induced toxicity of anthracene to fish and daphnia 1990 , 9, 575		4
5	The photo-induced toxicity of polycyclic aromatic hydrocarbons to larvae of the fathead minnow (). <i>Chemosphere</i> , 1987 , 16, 1395-1404	8.4	103
4	Photoinduced toxicity of anthracene to juvenile bluegill sunfish (<i>Lepomis Macrochirus Rafinesque</i>): Photoperiod effects and predictive hazard evaluation. <i>Environmental Toxicology and Chemistry</i> , 1986 , 5, 761-768	3.8	65
3	. <i>Environmental Toxicology and Chemistry</i> , 1986 , 5, 761	3.8	15
2	The photoenhanced toxicity of anthracene to juvenile sunfish (<i>Lepomis spp.</i>). <i>Aquatic Toxicology</i> , 1985 , 6, 133-146	5.1	115
1	Cytochrome P450 1A (CYP1A) as a biomarker in oil spill assessments201-219		3