James T Oris

List of Publications by Citations

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	The photoenhanced toxicity of anthracene to juvenile sunfish (Lepomis spp.). *Aquatic Toxicology*, **1985**, 6, 133-146	5.1	115
112	The photo-induced toxicity of polycyclic aromatic hydrocarbons to larvae of the fathead minnow ( ). *Chemosphere*, **1987**, 16, 1395-1404	8.4	103
111	CYP1A expression in liver and gill of rainbow trout following waterborne exposure: implications for biomarker determination. *Aquatic Toxicology*, **1999**, 46, 279-287	5.1	89
110	Altered gene expression: a mechanism for reproductive toxicity in zebrafish exposed to benzo[a]pyrene. *Aquatic Toxicology*, **2006**, 78, 332-40	5.1	82
109	Humic acids reduce the photo-induced toxicity of anthracene to fish and daphnia. *Environmental Toxicology and Chemistry*, **1990**, 9, 575-583	3.8	76
108	Anthracene reduces reproductive potential is maternally transferred during long-term exposure in fathead minnows. *Aquatic Toxicology*, **1991**, 19, 249-264	5.1	76
107	Estimating inhibition concentrations for different response scales using generalized linear models. *Environmental Toxicology and Chemistry*, **1997**, 16, 1554-1559	3.8	70
106	Photoinduced toxicity of anthracene to juvenile bluegill sunfish (Lepomis Macrochirus Rafinesque): Photoperiod effects and predictive hazard evaluation. *Environmental Toxicology and Chemistry*, **1986**, 5, 761-768	3.8	65
105	An ultrastructural examination of the mode of UV-induced toxic action of fluoranthene in the fathead minnow, Pimephales promelas. *Aquatic Toxicology*, **1997**, 39, 1-22	5.1	64
104	Accumulation and food chain transfer of fluoranthene and benzo[a]pyrene in Chironomus riparius and Lepomis macrochirus. *Archives of Environmental Contamination and Toxicology*, **1994**, 26, 261	3.2	59
103	Increased ovarian follicular apoptosis in fathead minnows (Pimephales promelas) exposed to dietary methylmercury. *Aquatic Toxicology*, **2006**, 79, 49-54	5.1	58
102	Evidence of oxidative stress in bluegill sunfish (Lepomis macrochirus) liver microsomes simultaneously exposed to solar ultraviolet radiation and anthracene. *Environmental Toxicology and Chemistry*, **2000**, 19, 1795-1799	3.8	55
101	The relationship between specific growth rate and swimming performance in male fathead minnows (Pimephales promelas). *Canadian Journal of Zoology*, **1995**, 73, 2165-2167	1.5	52
100	Deposition and cycling of sulfur controls mercury accumulation in Isle Royale fish. *Environmental Science & Technology*, **2007**, 41, 7266-72	10.3	51
99	Suspended C60 nanoparticles protect against short-term UV and fluoranthene photo-induced toxicity, but cause long-term cellular damage in Daphnia magna. *Aquatic Toxicology*, **2010**, 100, 202-10	5.1	50
98	Ultraviolet Radiation Enhances the Toxicity of Deepwater Horizon Oil to Mahi-mahi (Coryphaena hippurus) Embryos. *Environmental Science & Technology*, **2016**, 50, 2011-7	10.3	49
97	Effect of anthracene and solar ultraviolet radiation exposure on gill ATPase and selected hematologic measurements m the bluegill sunfish (Lepomis macrochirus). *Aquatic Toxicology*, **1993**, 24, 207-217	5.1	49

96	Enhancing the ecological risk assessment process. *Integrated Environmental Assessment and Management*, **2008**, 4, 306-13	2.5	48
95	A four-day survival and reproduction toxicity test for ceriodaphnia dubia. *Environmental Toxicology and Chemistry*, **1991**, 10, 217-224	3.8	47
94	Laboratory and field validation of multiple molecular biomarkers of contaminant exposure in rainbow trout (Oncorhynchus mykiss). *Environmental Toxicology and Chemistry*, **2003**, 22, 361-370	3.8	45
93	Humic acids reduce the bioaccumulation and photoinduced toxicity of fluoranthene to fish. *Environmental Toxicology and Chemistry*, **1999**, 18, 2087-2094	3.8	45
92	Photo-induced toxicity of Deepwater Horizon slick oil to blue crab (Callinectes sapidus) larvae. *Environmental Toxicology and Chemistry*, **2015**, 34, 2061-6	3.8	42
91	Genetic differentiation among laboratory populations of Hyalella azteca: Implications for toxicology. *Environmental Toxicology and Chemistry*, **1997**, 16, 691-695	3.8	39
90	Adaptation to fluoranthene exposure in a laboratory population of fathead minnows. *Environmental Toxicology and Chemistry*, **1995**, 14, 1393-1400	3.8	39
89	A comparison of commercially-available automated and manual extraction kits for the isolation of total RNA from small tissue samples. *BMC Biotechnology*, **2014**, 14, 94	3.5	35
88	Multiple biomarker response in rainbow trout during exposure to hexavalent chromium. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2004**, 138, 221-8	3.2	35
87	Effect of water temperature and dissolved oxygen concentration on the photo-induced toxicity of anthracene to juvenile bluegill sunfish (Lepomis macrochirus). *Aquatic Toxicology*, **1991**, 21, 145-156	5.1	35
86	Acute photo-induced toxicity and toxicokinetics of single compounds and mixtures of polycyclic aromatic hydrocarbons in zebrafish. *Environmental Toxicology and Chemistry*, **2014**, 33, 2028-37	3.8	34
85	Mercury toxicity in livers of northern pike (Esox lucius) from Isle Royale, USA. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2008**, 147, 331-8	3.2	33
84	Anthracene photoinduced toxicity to plhc-1 cell line (Poeciliopsis lucida) and the role of lipid peroxidation in toxicity. *Environmental Toxicology and Chemistry*, **2000**, 19, 2699-2706	3.8	33
83	Effect of the fungicide clotrimazole on the bioconcentration of benzo[a]pyrene in gizzard shad (Dorosoma cepedianum): In vivo and in vitro inhibition of cytochrome P4501A activity. *Environmental Toxicology and Chemistry*, **1997**, 16, 306-311	3.8	31
82	Survival of copper-exposed juvenile fathead minnows (Pimephales promelas) differs among allozyme genotypes. *Environmental Toxicology and Chemistry*, **1995**, 14, 1727-1734	3.8	31
81	Modeling reproductive toxicity in Ceriodaphnia tests. *Environmental Toxicology and Chemistry*, **1993**, 12, 787-791	3.8	31
80	Patterns of spatial and temporal variability of UV transparency in Lake Tahoe, California-Nevada. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		30
79	Assessment of the toxicity of anthracene photo-modification products using the topminnow (Poeciliopsis lucida) hepatoma cell line (PLHC-1). *Aquatic Toxicology*, **2003**, 65, 243-51	5.1	30

78	. *Environmental Toxicology and Chemistry*, **2000**, 19, 1795	3.8	30
77	Statistical analysis of the Ceriodaphnia toxicity test: Sample size determination for reproductive effects. *Environmental Toxicology and Chemistry*, **1993**, 12, 85-90	3.8	28
76	Baseline characteristics and statistical implications for the OECD 210 fish early-life stage chronic toxicity test. *Environmental Toxicology and Chemistry*, **2012**, 31, 370-6	3.8	27
75	Review of the photo-induced toxicity of environmental contaminants. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2017**, 191, 160-167	3.2	25
74	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. *Environmental Toxicology and Chemistry*, **2015**, 34, 1369-81	3.8	24
73	Differential survival of fathead minnows, Pimephales promelas, as affected by copper exposure, prior population stress, and allozyme genotypes. *Environmental Toxicology and Chemistry*, **1997**, 16, 939-947	3.8	24
72	Ontogenetic dynamics of mercury accumulation in Northwest Atlantic sea lamprey (Petromyzon marinus). *Canadian Journal of Fisheries and Aquatic Sciences*, **2006**, 63, 1058-1066	2.4	23
71	Gene expression in caged fish as a first-tier indicator of contaminant exposure in streams. *Environmental Toxicology and Chemistry*, **2005**, 24, 3092-8	3.8	23
70	Comparison of P-4501A1 monooxygenase induction in gizzard shad (Dorosoma cepedianum) following intraperitoneal injection or continuous waterborne-exposure with benzo[a]pyrene: Temporal and dose-dependent studies. *Aquatic Toxicology*, **1994**, 30, 61-75	5.1	23
69	. *Environmental Toxicology and Chemistry*, **1997**, 16, 2204	3.8	23
68	Methylmercury Bioaccumulation in Stream Food Webs Declines with Increasing Primary Production. *Environmental Science & Technology*, **2015**, 49, 7762-9	10.3	22
67	Ultraviolet radiation affects invasibility of lake ecosystems by warm-water fish. *Ecology*, **2010**, 91, 882-90	4.6	22
66	Equivalence of concentration□esponse relationships in aquatic toxicology studies: Testing and implications for potency estimation. *Environmental Toxicology and Chemistry*, **1997**, 16, 2204-2209	3.8	22
65	Modulation of CYP1A expression in rainbow trout by a technical grade formulation of propiconazole. *Environmental Toxicology and Chemistry*, **1999**, 18, 2565-2573	3.8	22
64	. *Environmental Toxicology and Chemistry*, **1997**, 16, 691	3.8	22
63	Quantitative risk model for polycyclic aromatic hydrocarbon photoinduced toxicity in Pacific herring following the Exxon Valdez oil spill. *Environmental Science & Technology*, **2013**, 47, 5450-8	10.3	21
62	CYP1A expression in caged rainbow trout discriminates among sites with various degrees of polychlorinated biphenyl contamination. *Archives of Environmental Contamination and Toxicology*, **2010**, 58, 772-82	3.2	21
61	Statistical analysis of cytochrome P4501A biomarker measurements in fish. *Environmental Toxicology and Chemistry*, **2007**, 26, 1742-50	3.8	21

60	Effect of Methyl tert-Butyl Ether on the Bioconcentration and Photoinduced Toxicity of Fluoranthene in Fathead Minnow Larvae (Pimephales promelas). *Environmental Science & Technology*, **2003**, 37, 1306-1310	10.3	21
59	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. *Environmental Toxicology and Chemistry*, **2014**, 33, 2584-94	3.8	20
58	Behavioral and histopathological effects of fluoranthene on bullfrog larvae (Rana catesbeiana). *Environmental Toxicology and Chemistry*, **1998**, 17, 734-739	3.8	20
57	. *Environmental Toxicology and Chemistry*, **1997**, 16, 939	3.8	20
56	Differential survivorship among allozyme genotypes of Hyalella azteca exposed to cadmium, zinc or low pH. *Aquatic Toxicology*, **2001**, 54, 15-28	5.1	19
55	Co-exposure to sunlight enhances the toxicity of naturally weathered Deepwater Horizon oil to early lifestage red drum (Sciaenops ocellatus) and speckled seatrout (Cynoscion nebulosus). *Environmental Toxicology and Chemistry*, **2017**, 36, 780-785	3.8	18
54	An empirical comparison of effective concentration estimators for evaluating aquatic toxicity test responses. *Environmental Toxicology and Chemistry*, **2000**, 19, 141-150	3.8	18
53	Genotype and toxicity relationships among Hyalella azteca: II. Acute exposure to fluoranthene-contaminated sediment. *Environmental Toxicology and Chemistry*, **2000**, 19, 1422-1426	3.8	18
52	The role of water ventilation and sediment ingestion in the uptake of benzo[A]pyrene in gizzard shad (dorosoma cepedianum). *Environmental Toxicology and Chemistry*, **1996**, 15, 1752-1759	3.8	18
51	An International Perspective on the Tools and Concepts for Effluent Toxicity Assessments in the Context of Animal Alternatives: Reduction in Vertebrate Use. *Environmental Toxicology and Chemistry*, **2018**, 37, 2745-2757	3.8	18
50	Genotype and toxicity relationships among Hyalella azteca: I. Acute exposure to metals or low pH. *Environmental Toxicology and Chemistry*, **2000**, 19, 1414-1421	3.8	16
49	. *Environmental Toxicology and Chemistry*, **1995**, 14, 1727	3.8	16
48	Estimating incident ultraviolet radiation exposure in the northern Gulf of Mexico during the Deepwater Horizon oil spill. *Environmental Toxicology and Chemistry*, **2018**, 37, 1679-1687	3.8	15
47	Noncompetitive mixed-type inhibition of rainbow trout CYP1A catalytic activity by clotrimazole. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1999**, 122, 205-10		15
46	Effects of sediment organic carbon content on the elimination rates of neutral lipophilic compounds in the midge (Chironomus Riparius). *Environmental Toxicology and Chemistry*, **1992**, 11, 347-356	3.8	15
45	. *Environmental Toxicology and Chemistry*, **1986**, 5, 761	3.8	15
44	Mercury Flux to Sediments of Lake Tahoe, California□Nevada. *Water, Air, and Soil Pollution*, **2010**, 210, 399-407	2.6	14
43	Defining the baseline for inhibition concentration calculations for hormetic hazards. *Journal of Applied Toxicology*, **2000**, 20, 121-5	4.1	14

42	Effects of acute exposure to fluoranthene-contaminated sediment on the survival and genetic variability of fathead minnows (Pimephales promelas). *Environmental Toxicology and Chemistry*, **2000**, 19, 1011-1018	3.8	14
41	Enhancement of Acute Parathion Toxicity to Fathead Minnows Following Pre-exposure to Propiconazole. *Pesticide Biochemistry and Physiology*, **1999**, 65, 102-109	4.9	14
40	Influence of environmental factors on the physiological condition and hepatic ethoxyresorufin o-deethylase (erod) activity of gizzard shad (Dorosoma cepedianum). *Environmental Toxicology and Chemistry*, **1995**, 14, 123-128	3.8	14
39	Genetic structure and relationships among populations of Hyalella azteca and H. montezuma (Crustacea:Amphipoda). *Journal of the North American Benthological Society*, **2000**, 19, 308-320		13
38	Bayesian approach to estimating reproductive inhibition potency in aquatic toxicity testing. *Environmental Toxicology and Chemistry*, **2012**, 31, 916-27	3.8	12
37	Necrophagy by a benthic omnivore influences biomagnification of methylmercury in fish. *Aquatic Toxicology*, **2011**, 102, 134-41	5.1	12
36	. *Environmental Toxicology and Chemistry*, **2000**, 19, 1422	3.8	12
35	Differential tolerance of native and nonnative fish exposed to ultraviolet radiation and fluoranthene in Lake Tahoe (California/Nevada), USA. *Environmental Toxicology and Chemistry*, **2012** , 31, 1129-35	3.8	11
34	. *Environmental Toxicology and Chemistry*, **1993**, 12, 85	3.8	10
33	Characterization of basic immune function parameters in the fathead minnow (Pimephales promelas), a common model in environmental toxicity testing. *Fish and Shellfish Immunology*, **2017**, 61, 163-172	4.3	9
32	. *Environmental Toxicology and Chemistry*, **2000**, 19, 1011	3.8	9
31	Photo-enhanced toxicity: serendipity of a prepared mind and flexible program management. *Environmental Toxicology and Chemistry*, **2013**, 32, 969-71	3.8	7
30	Induction of CYP1A mRNA and catalytic activity in gizzard shad (Dorosoma cepedianum) after waterborne exposure to benzo[a]pyrene. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1997**, 118, 397-404		7
29	Gene sequences for cytochromes p450 1A1 and 1A2: the need for biomarker development in sea otters (Enhydra lutris). *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2008**, 151, 336-48	2.3	7
28	Atrazine and increased male production by Daphnia: the importance of combining field and laboratory approaches. *Environmental Toxicology and Chemistry*, **2008**, 27, 2352-60	3.8	7
27	Gene expression in caged juvenile Coho Salmon (Oncorhynchys kisutch) exposed to the waters of Prince William Sound, Alaska. *Marine Pollution Bulletin*, **2006**, 52, 1527-32	6.7	7
26	Microscopic examination of skin in native and nonnative fish from Lake Tahoe exposed to ultraviolet radiation and fluoranthene. *Aquatic Toxicology*, **2014**, 147, 151-7	5.1	6
25	Bayesian approach to potency estimation for aquatic toxicology experiments when a toxicant affects both fecundity and survival. *Environmental Toxicology and Chemistry*, **2012**, 31, 1920-30	3.8	6

24	Dose-dependent response of mature cerebrovascular axons in vivo following intracranial infusion of nerve growth factor. *Neuroscience Letters*, **1997**, 222, 21-4	3.3	6
23	Simulation study of characteristics of statistical estimators of inhibition concentration. *Environmental Toxicology and Chemistry*, **2000**, 19, 3068-3073	3.8	6
22	Effects of light on microalgae concentrations and selenium uptake in bivalves exposed to selenium-amended sediments. *Archives of Environmental Contamination and Toxicology*, **2007**, 53, 365-70	3.2	5
21	An inexpensive fathead minnow egg incubation and toxicant exposure system. *Environmental Toxicology and Chemistry*, **1995**, 14, 1387-1388	3.8	5
20	Estimating brood-specific reproductive inhibition potency in aquatic toxicity testing. *Environmetrics* , **2012**, 23, 696-705	1.3	4
19	Development and application of a UV attainment threshold for the prevention of warmwater aquatic invasive species. *Biological Invasions*, **2012**, 14, 2331-2342	2.7	4
18	Incorporating hormesis in the routine testing of hazards. *Human and Experimental Toxicology*, **1998**, 17, 247-50	3.4	4
17	The role of water ventilation and sediment ingestion on the uptake of hexachlorobenzene by gizzard shad (Dorosoma cepedianum). *Environmental Toxicology and Chemistry*, **1996**, 15, 1760-1762	3.8	4
16	. *Environmental Toxicology and Chemistry*, **1997**, 16, 306	3.8	4
15	Humic acids reduce the bioaccumulation and photoinduced toxicity of fluoranthene to fish **1999**, 18, 2087		4
14	Humic acids reduce the photo-induced toxicity of anthracene to fish and daphnia **1990**, 9, 575		4
13	Cytochrome P450 1A (CYP1A) as a biomarker in oil spill assessments201-219		3
12	Lake-specific responses in sedimentary sulphur, after additions of copper sulphate to lakes in Michigan, USA. *Lakes and Reservoirs: Research and Management*, **2009**, 14, 193-201	1.2	3
11	Defining and evaluating impact in environmental toxicology. *Environmetrics*, **2003**, 14, 235-243	1.3	3
10	Toxicokinetics, available source, and route of entry of lead in fed and food-deprived bullfrog (Rana catesbeiana) larvae. *Archives of Environmental Contamination and Toxicology*, **2001**, 41, 450-7	3.2	3
9	A system for conducting flow-through toxicity tests with larval fish. *Environmental Toxicology and Chemistry*, **1995**, 14, 1389-1391	3.8	3
8	Estimating inhibition concentrations for different response scales using generalized linear models **1997**, 16, 1554		3
7	Estimating Potency for Hierarchical Dichotomous Responses in an Aquatic Toxicology Study. *Journal of Agricultural, Biological, and Environmental Statistics*, **2014**, 19, 185-201	1.9	2

6	Effects of organism allocation on toxicity test results. *Environmental Toxicology and Chemistry*, **1998**, 17, 928-931	3.8	2
5	Response to Comment on Effect of Methyl tert-Butyl Ether on the Bioconcentration and Photoinduced Toxicity of Fluoranthene in Fathead Minnow Larvae (Pimephalespromelas) *Environmental Science & Technology*, **2003**, 37, 4524-4525	10.3	2
4	Adaptation to fluoranthene exposure in a laboratory population of fathead minnows **1995**, 14, 1393		2
3	Laboratory and field validation of multiple molecular biomarkers of contaminant exposure in rainbow trout (Oncorhynchus mykiss). *Environmental Toxicology and Chemistry*, **2003**, 22, 361-70	3.8	2
2	Implications of defining test acceptability in terms of control-group survival in two-group survival studies. *Environmental Toxicology and Chemistry*, **1996**, 15, 1242-1244	3.8	1
1	Environmental Toxicology, Statistics in **2015**, 1-8		