John P Incardona

List of Publications by Year in descending order

51 papers	5,725 citations	117625 34 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	3229 citing authors

#	Article	IF	Citations
1	Defects in cardiac function precede morphological abnormalities in fish embryos exposed to polycyclic aromatic hydrocarbons. Toxicology and Applied Pharmacology, 2004, 196, 191-205.	2.8	695
2	Deepwater Horizon crude oil impacts the developing hearts of large predatory pelagic fish. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1510-8.	7.1	359
3	Aryl Hydrocarbon Receptorâ€"Independent Toxicity of Weathered Crude Oil during Fish Development. Environmental Health Perspectives, 2005, 113, 1755-1762.	6.0	337
4	Sublethal exposure to crude oil during embryonic development alters cardiac morphology and reduces aerobic capacity in adult fish. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7086-7090.	7.1	293
5	Crude Oil Impairs Cardiac Excitation-Contraction Coupling in Fish. Science, 2014, 343, 772-776.	12.6	284
6	Developmental toxicity of 4-ring polycyclic aromatic hydrocarbons in zebrafish is differentially dependent on AH receptor isoforms and hepatic cytochrome P4501A metabolism. Toxicology and Applied Pharmacology, 2006, 217, 308-321.	2.8	274
7	Fish embryos are damaged by dissolved PAHs, not oil particles. Aquatic Toxicology, 2008, 88, 121-127.	4.0	240
8	Cardiac Arrhythmia Is the Primary Response of Embryonic Pacific Herring (Clupea pallasi) Exposed to Crude Oil during Weathering. Environmental Science & Technology, 2009, 43, 201-207.	10.0	211
9	Neural defects and cardiac arrhythmia in fish larvae following embryonic exposure to 2,2â€²,4,4â€²-tetrabromodiphenyl ether (PBDE 47). Aquatic Toxicology, 2007, 82, 296-307.	4.0	200
10	Acute Embryonic or Juvenile Exposure to Deepwater Horizon Crude Oil Impairs the Swimming Performance of Mahi-Mahi (Coryphaena hippurus). Environmental Science & Technology, 2014, 48, 7053-7061.	10.0	200
11	Exxon Valdez to Deepwater Horizon: Comparable toxicity of both crude oils to fish early life stages. Aquatic Toxicology, 2013, 142-143, 303-316.	4.0	174
12	The Developmental Neurotoxicity of Fipronil: Notochord Degeneration and Locomotor Defects in Zebrafish Embryos and Larvae. Toxicological Sciences, 2006, 92, 270-278.	3.1	173
13	The effects of weathering and chemical dispersion on Deepwater Horizon crude oil toxicity to mahi-mahi (Coryphaena hippurus) early life stages. Science of the Total Environment, 2016, 543, 644-651.	8.0	159
14	Cardiac toxicity of 5-ring polycyclic aromatic hydrocarbons is differentially dependent on the aryl hydrocarbon receptor 2 isoform during zebrafish development. Toxicology and Applied Pharmacology, 2011, 257, 242-249.	2.8	153
15	Unexpectedly high mortality in Pacific herring embryos exposed to the 2007 Cosco Busan oil spill in San Francisco Bay. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E51-8.	7.1	136
16	Very low embryonic crude oil exposures cause lasting cardiac defects in salmon and herring. Scientific Reports, 2015, 5, 13499.	3.3	131
17	Molecular Mechanisms of Crude Oil Developmental Toxicity in Fish. Archives of Environmental Contamination and Toxicology, 2017, 73, 19-32.	4.1	124
18	The influence of heart developmental anatomy on cardiotoxicity-based adverse outcome pathways in fish. Aquatic Toxicology, 2016, 177, 515-525.	4.0	121

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19	A Novel Cardiotoxic Mechanism for a Pervasive Global Pollutant. Scientific Reports, 2017, 7, 41476.	3.3	115
20	AhR2-mediated, CYP1A-independent cardiovascular toxicity in zebrafish (Danio rerio) embryos exposed to retene. Aquatic Toxicology, 2011, 101, 165-174.	4.0	111
21	DISSOLVED COPPER TRIGGERS CELL DEATH IN THE PERIPHERAL MECHANOSENSORY SYSTEM OF LARVAL FISH. Environmental Toxicology and Chemistry, 2006, 25, 597.	4.3	103
22	Geologically distinct crude oils cause a common cardiotoxicity syndrome in developing zebrafish. Chemosphere, 2013, 91, 1146-1155.	8.2	99
23	Crude oil exposures reveal roles for intracellular calcium cycling in haddock craniofacial and cardiac development. Scientific Reports, 2016, 6, 31058.	3.3	94
24	Corresponding morphological and molecular indicators of crude oil toxicity to the developing hearts of mahi mahi. Scientific Reports, 2015, 5, 17326.	3.3	93
25	Novel adverse outcome pathways revealed by chemical genetics in a developing marine fish. ELife, 2017, 6, .	6.0	87
26	Oil droplet fouling and differential toxicokinetics of polycyclic aromatic hydrocarbons in embryos of Atlantic haddock and cod. PLoS ONE, 2017, 12, e0180048.	2.5	84
27	Effects on Fish of Polycyclic Aromatic HydrocarbonS (PAHS) and Naphthenic Acid Exposures. Fish Physiology, 2013, , 195-255.	0.8	66
28	Oil spills and fish health: exposing the heart of the matter. Journal of Exposure Science and Environmental Epidemiology, 2011, 21, 3-4.	3.9	61
29	Differential Toxicokinetics Determines the Sensitivity of Two Marine Embryonic Fish Exposed to Iranian Heavy Crude Oil. Environmental Science & Technology, 2015, 49, 13639-13648.	10.0	52
30	Embryonic Crude Oil Exposure Impairs Growth and Lipid Allocation in a Keystone Arctic Forage Fish. IScience, 2019, 19, 1101-1113.	4.1	49
31	Potent Phototoxicity of Marine Bunker Oil to Translucent Herring Embryos after Prolonged Weathering. PLoS ONE, 2012, 7, e30116.	2.5	48
32	Natural sunlight and residual fuel oils are an acutely lethal combination for fish embryos. Aquatic Toxicology, 2010, 99, 56-64.	4.0	41
33	Exposure to Deepwater Horizon weathered crude oil increases routine metabolic demand in chub mackerel, Scomber japonicus. Marine Pollution Bulletin, 2015, 98, 259-266.	5.0	39
34	Toward Enhanced MIQE Compliance: Reference Residual Normalization of qPCR Gene Expression Data. Journal of Biomolecular Techniques, 2014, 25, jbt.14-2502-003.	1.5	37
35	Confirmation of Stormwater Bioretention Treatment Effectiveness Using Molecular Indicators of Cardiovascular Toxicity in Developing Fish. Environmental Science & Technology, 2016, 50, 1561-1569.	10.0	34
36	A review of the toxicology of oil in vertebrates: what we have learned following the Deepwater Horizon oil spill. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2021, 24, 355-394.	6.5	28

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37	Severe Coal Tar Sealcoat Runoff Toxicity to Fish Is Prevented by Bioretention Filtration. Environmental Science & Technology, 2016, 50, 1570-1578.	10.0	23
38	Developmental transcriptomics in Atlantic haddock: Illuminating pattern formation and organogenesis in non-model vertebrates. Developmental Biology, 2016, 411, 301-313.	2.0	22
39	Case Study: The 2010 Deepwater Horizon Oil Spill and Its Environmental Developmental Impacts. , 2018, , 235-283.		20
40	An evaluation of background levels and sources of polycyclic aromatic hydrocarbons in naturally spawned embryos of Pacific herring (Clupea pallasii) from Puget Sound, Washington, USA. Science of the Total Environment, 2014, 499, 114-124.	8.0	18
41	Meeting the Challenges of Aquatic Vertebrate Ecotoxicology. BioScience, 2008, 58, 1015-1025.	4.9	17
42	In Response: Scaling polycyclic aromatic hydrocarbon toxicity to fish early life stages: A governmental perspective. Environmental Toxicology and Chemistry, 2015, 34, 459-461.	4.3	17
43	Environmental Pollution and the Fish Heart. Fish Physiology, 2017, 36, 373-433.	0.8	16
44	A multi-taxonomic framework for assessing relative petrochemical vulnerability of marine biodiversity in the Gulf of Mexico. Science of the Total Environment, 2021, 763, 142986.	8.0	15
45	Low-level embryonic crude oil exposure disrupts ventricular ballooning and subsequent trabeculation in Pacific herring. Aquatic Toxicology, 2021, 235, 105810.	4.0	15
46	Crude oil cardiotoxicity to red drum embryos is independent of oil dispersion energy. Chemosphere, 2018, 213, 205-214.	8.2	13
47	Evaluating the Effects of Forestry Herbicides on Fish Development Using Rapid Phenotypic Screens. North American Journal of Fisheries Management, 2009, 29, 975-984.	1.0	12
48	Urban stormwater and crude oil injury pathways converge on the developing heart of a shore-spawning marine forage fish. Aquatic Toxicology, 2020, 229, 105654.	4.0	11
49	Cardiac remodeling in response to embryonic crude oil exposure involves unconventional NKX family members and innate immunity genes. Journal of Experimental Biology, 2019, 222, .	1.7	9
50	Polycyclic aromatic hydrocarbons in Pacific herring (Clupea pallasii) embryos exposed to creosote-treated pilings during a piling-removal project in a nearshore marine habitat of Puget Sound. Marine Pollution Bulletin, 2019, 142, 253-262.	5.0	8
51	Ecotoxicological Risk of Mixtures. , 2015, , 441-462.		4