Mark G Carls

List of Publications by Year
in descending order

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32 papers	2,380 citations	394421 19 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	1634 citing authors

#	Article	IF	Citations
1	The toxicity of creosoteâ€treated wood to Pacific herring embryos and characterization of polycyclic aromatic hydrocarbons near creosoted pilings in Juneau, Alaska. Environmental Toxicology and Chemistry, 2017, 36, 1261-1269.	4.3	6
2	Assessment of bioavailable hydrocarbons in Pribilof Island rock sandpiper fall staging areas and overwintering habitat. Marine Pollution Bulletin, 2016, 110, 415-423.	5.0	1
3	Petroleum biomarkers as tracers of Exxon Valdez oil. Environmental Toxicology and Chemistry, 2016, 35, 2683-2690.	4.3	6
4	Polynuclear Aromatic Hydrocarbons in Port Valdez Shrimp and Sediment. Archives of Environmental Contamination and Toxicology, 2016, 71, 48-59.	4.1	4
5	Very low embryonic crude oil exposures cause lasting cardiac defects in salmon and herring. Scientific Reports, 2015, 5, 13499.	3.3	131
6	Spilled Oils: Static Mixtures or Dynamic Weathering and Bioavailability?. PLoS ONE, 2015, 10, e0134448.	2.5	6
7	Letter to the Editor Regarding PageetÂal. (2012). Human and Ecological Risk Assessment (HERA), 2014, 20, 599-602.	3.4	0
8	Geologically distinct crude oils cause a common cardiotoxicity syndrome in developing zebrafish. Chemosphere, 2013, 91, 1146-1155.	8.2	99
9	The authors' second reply. Environmental Toxicology and Chemistry, 2012, 31, 475-476.	4.3	2
10	Exposure of pink salmon embryos to dissolved polynuclear aromatic hydrocarbons delays development, prolonging vulnerability to mechanical damage. Marine Environmental Research, 2010, 69, 318-325.	2.5	36
11	Biomarker responses in polar cod (Boreogadus saida) exposed to the water soluble fraction of crude oil. Aquatic Toxicology, 2010, 97, 234-242.	4.0	67
12	A Perspective on the Toxicity of Petrogenic PAHs to Developing Fish Embryos Related to Environmental Chemistry. Human and Ecological Risk Assessment (HERA), 2009, 15, 1084-1098.	3.4	75
13	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
14	COMMENT ON â€œTOXICITY OF WEATHERED EXXON VALDEZ CRUDE OIL TO PINK SALMON EMBRYOSâ€• Environmental Toxicology and Chemistry, 2008, 27, 1475.	4.3	4
15	Fish embryos are damaged by dissolved PAHs, not oil particles. Aquatic Toxicology, 2008, 88, 121-127.	4.0	240
16	The Exxon Valdez Oil Spill. , 2007, , 419-520.		24
17	Nonparametric Identification of Petrogenic and Pyrogenic Hydrocarbons in Aquatic Ecosystems. Environmental Science & Technology, 2006, 40, 4233-4239.	10.0	9
18	Accumulation of polycyclic aromatic hydrocarbons by Neocalanus copepods in Port Valdez, Alaska. Marine Pollution Bulletin, 2006, 52, 1480-1489.	5.0	33

#	Article	IF	Citations
19	Aryl Hydrocarbon Receptorâ€“Independent Toxicity of Weathered Crude Oil during Fish Development. Environmental Health Perspectives, 2005, 113, 1755-1762.	6.0	337
20	Assessment of the phototoxicity of weathered Alaska North Slope crude oil to juvenile pink salmon. Chemosphere, 2005, 60, 105-110.	8.2	43
21	Evaluation of Fish Early Life-Stage Toxicity Models of Chronic Embryonic Exposures to Complex Polycyclic Aromatic Hydrocarbon Mixtures. Toxicological Sciences, 2004, 78, 60-67.	3.1	204
22	MONITORING POLYNUCLEAR AROMATIC HYDROCARBONS IN AQUEOUS ENVIRONMENTS WITH PASSIVE LOW-DENSITY POLYETHYLENE MEMBRANE DEVICES. Environmental Toxicology and Chemistry, 2004, 23, 1416.	4.3	49
23	Pink Salmon Spawning Habitat is Recovering a Decade after theExxon ValdezOil Spill. Transactions of the American Fisheries Society, 2004, 133, 834-844.	1.4	15
24	Restoration of oiled mussel beds in Prince William Sound, Alaska. Marine Environmental Research, 2004, 57, 359-376.	2.5	30
25	Photoenhanced toxicity of aqueous phase and chemically dispersed weathered Alaska North Slope crude oil to Pacific herring eggs and larvae. Environmental Toxicology and Chemistry, 2003, 22, 650-660.	4.3	125
26	Impacts to Pink Salmon Following the Exxon Valdez Oil Spill: Persistence, Toxicity, Sensitivity, and Controversy. Reviews in Fisheries Science, 2001, 9, 165-211.	2.1	96
27	Exposure of pacific herring to weathered crude oil: Assessing effects on ova. Environmental Toxicology and Chemistry, 2000, 19, 1649-1659.	4.3	27
28	Sensitivity of fish embryos to weathered crude oil: Part I. Lowâ€level exposure during incubation causes malformations, genetic damage, and mortality in larval pacific herring (Clupea pallasi). Environmental Toxicology and Chemistry, 1999, 18, 481-493.	4.3	409
29	Mixed Function Oxygenase Induction in Pre- and Post-Spawn Herring (Clupea pallasi) by Petroleum Hydrocarbons. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1997, 116, 141-147.	0.5	8
30	Relationship between Growth and Total Nucleic Acids in Juvenile Pink Salmon, Oncorhynchus gorbuscha, Fed Crude Oil Contaminated Food. Canadian Journal of Fisheries and Aquatic Sciences, 1993, 50, 996-1001.	1.4	31
31	Sensitivity differences between eggs and larvae of walleye pollock (Theragra chalcogramma) to hydrocarbons. Marine Environmental Research, 1988, 26, 285-297.	2.5	13
32	Effects of dietary and water-borne oil exposure on larval pacific herring (Clupea harengus pallasi). Marine Environmental Research, 1987, 22, 253-270.	2.5	33