

Stéphane Le Floch

List of Publications by Year in descending order

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76
papers

1,607
citations

279778

23
h-index

345203

36
g-index

78
all docs

78
docs citations

78
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	The neutral red lysosomal retention assay and Comet assay on haemolymph cells from mussels (<i>Mytilus edulis</i>) and fish (<i>Symphodus melops</i>) exposed to styrene. <i>Aquatic Toxicology</i> , 2005, 75, 191-201.	4.0	96
2	Effects of oil exposure and dispersant use upon environmental adaptation performance and fitness in the European sea bass, <i>Dicentrarchus labrax</i> . <i>Aquatic Toxicology</i> , 2013, 130-131, 160-170.	4.0	88
3	The Influence of Salinity on Oil- ⁺ Mineral Aggregate Formation. <i>Spill Science and Technology Bulletin</i> , 2002, 8, 65-71.	0.4	71
4	Liver antioxidant and plasma immune responses in juvenile golden grey mullet (<i>Liza aurata</i>) exposed to dispersed crude oil. <i>Aquatic Toxicology</i> , 2011, 101, 155-164.	4.0	61
5	Effect of Suspended Mineral Load, Water Salinity and Oil Type on the Size of Oil- ⁺ Mineral Aggregates in the Presence of Chemical Dispersant. <i>Spill Science and Technology Bulletin</i> , 2002, 8, 95-100.	0.4	58
6	Effects of in vivo chronic hydrocarbons pollution on sanitary status and immune system in sea bass (<i>Dicentrarchus labrax</i> L.). <i>Aquatic Toxicology</i> , 2011, 105, 300-311.	4.0	52
7	Significance of metallothioneins in differential cadmium accumulation kinetics between two marine fish species. <i>Environmental Pollution</i> , 2018, 236, 462-476.	7.5	52
8	Effects of 16 pure hydrocarbons and two oils on haemocyte and haemolymphatic parameters in the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg). <i>Toxicology in Vitro</i> , 2008, 22, 1610-1617.	2.4	51
9	Effects of dispersed oil exposure on the bioaccumulation of polycyclic aromatic hydrocarbons and the mortality of juvenile <i>Liza ramada</i> . <i>Science of the Total Environment</i> , 2011, 409, 1643-1650.	8.0	50
10	Assessing chronic fish health: An application to a case of an acute exposure to chemically treated crude oil. <i>Aquatic Toxicology</i> , 2016, 178, 197-208.	4.0	46
11	Short-Term and Long-Term Biological Effects of Chronic Chemical Contamination on Natural Populations of a Marine Bivalve. <i>PLoS ONE</i> , 2016, 11, e0150184.	2.5	44
12	Enhanced immunological and detoxification responses in Pacific oysters, <i>Crassostrea gigas</i> , exposed to chemically dispersed oil. <i>Water Research</i> , 2011, 45, 4103-4118.	11.3	39
13	Effect of dispersed crude oil exposure upon the aerobic metabolic scope in juvenile golden grey mullet (<i>Liza aurata</i>). <i>Marine Pollution Bulletin</i> , 2012, 64, 865-871.	5.0	37
14	Responses of juvenile sea bass, <i>Dicentrarchus labrax</i> , exposed to acute concentrations of crude oil, as assessed by molecular and physiological biomarkers. <i>Chemosphere</i> , 2012, 87, 692-702.	8.2	34
15	Exposure of European sea bass (<i>Dicentrarchus labrax</i>) to chemically dispersed oil has a chronic residual effect on hypoxia tolerance but not aerobic scope. <i>Aquatic Toxicology</i> , 2017, 191, 95-104.	4.0	34
16	Immune effects of HFO on European sea bass, <i>Dicentrarchus labrax</i> , and Pacific oyster, <i>Crassostrea gigas</i> . <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1446-1454.	6.0	30
17	Effects of in vivo chronic exposure to pendimethalin/Prowl 400 [®] on sanitary status and the immune system in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Science of the Total Environment</i> , 2012, 424, 143-152.	8.0	30
18	Effects of two oils and 16 pure polycyclic aromatic hydrocarbons on plasmatic immune parameters in the European sea bass, <i>Dicentrarchus labrax</i> (Linn [®]). <i>Toxicology in Vitro</i> , 2009, 23, 235-241.	2.4	29

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19	Toxicological effects of crude oil and oil dispersant: Biomarkers in the heart of the juvenile golden grey mullet (<i>Liza aurata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013, 88, 1-8.	6.0	28
20	Effects of in vivo chronic exposure to pendimethalin on EROD activity and antioxidant defenses in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Ecotoxicology and Environmental Safety</i> , 2014, 99, 21-27.	6.0	28
21	Bioconcentration and immunotoxicity of an experimental oil spill in European sea bass (<i>Dicentrarchus labrax</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 2167-2174.	6.0	26
22	Metal subcellular partitioning determines excretion pathways and sensitivity to cadmium toxicity in two marine fish species. <i>Chemosphere</i> , 2019, 217, 754-762.	8.2	26
23	Dry bulk cargo shipping "An overlooked threat to the marine environment?". <i>Marine Pollution Bulletin</i> , 2016, 110, 511-519.	5.0	25
24	The potential for dispersant use as a maritime oil spill response measure in German waters. <i>Marine Pollution Bulletin</i> , 2018, 129, 623-632.	5.0	25
25	Acute toxicity of chemically and mechanically dispersed crude oil to juvenile sea bass (<i>Dicentrarchus labrax</i>): Absence of synergistic effects between oil and dispersants. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1543-1551.	4.3	24
26	In vivo effects of the soluble fraction of light cycle oil on immune functions in the European sea bass, <i>Dicentrarchus labrax</i> (Linn�). <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1896-1904.	6.0	23
27	Impact of dispersed fuel oil on cardiac mitochondrial function in polar cod <i>Boreogadus saida</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 13779-13788.	5.3	19
28	What is the relationship between the bioaccumulation of chemical contaminants in the variegated scallop <i>Mimachlamys varia</i> and its health status? A study carried out on the French Atlantic coast using the Path ComDim model. <i>Science of the Total Environment</i> , 2018, 640-641, 662-670.	8.0	19
29	EROD activity and antioxidant defenses of sea bass (<i>Dicentrarchus labrax</i>) after an in vivo chronic hydrocarbon pollution followed by a post-exposure period. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13769-13778.	5.3	18
30	Innate immunity and antioxidant systems in different tissues of sea bass (<i>Dicentrarchus labrax</i>) exposed to crude oil dispersed mechanically or chemically with Corexit 9500. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 270-278.	6.0	18
31	Influence of crude oil exposure on cardiac function and thermal tolerance of juvenile rainbow trout and European sea bass. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19624-19634.	5.3	18
32	Effect of an experimental oil spill on vertebral bone tissue quality in European sea bass (<i>Dicentrarchus labrax</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1888-1895.	6.0	17
33	Effect of dispersed crude oil on cardiac function in seabass <i>Dicentrarchus labrax</i> . <i>Chemosphere</i> , 2015, 134, 192-198.	8.2	17
34	Microbial community response and migration of petroleum compounds during a sea-ice oil spill experiment in Svalbard. <i>Marine Environmental Research</i> , 2018, 142, 214-233.	2.5	17
35	Coastal ecosystem inventory with characterization and identification of plastic contamination and additives from aquaculture materials. <i>Marine Pollution Bulletin</i> , 2021, 167, 112286.	5.0	17
36	A Field Experimentation on Bioremediation: Bioren. <i>Environmental Technology (United Kingdom)</i> , 1999, 20, 897-907.	2.2	16

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37	Effect of chronic exposure to pendimethalin on the susceptibility of rainbow trout, <i>Oncorhynchus mykiss</i> L., to viral hemorrhagic septicemia virus (VHSV). <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 28-34.	6.0	16
38	Subchronic exposure to high-density polyethylene microplastics alone or in combination with chlortoluron significantly affected valve activity and daily growth of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Aquatic Toxicology</i> , 2021, 237, 105880.	4.0	15
39	Flow cytometry for the evaluation of chromosomal damage in turbot <i>Psetta maxima</i> (L.) exposed to the dissolved fraction of heavy fuel oil in sea water: a comparison with classical biomarkers. <i>Journal of Fish Biology</i> , 2008, 73, 395-413.	1.6	14
40	Effects of oil spill response technologies on the physiological performance of the Arctic copepod <i>Calanus glacialis</i> . <i>Aquatic Toxicology</i> , 2018, 199, 65-76.	4.0	14
41	Cellular, humoral and molecular responses in rainbow trout (<i>Oncorhynchus mykiss</i>) exposed to a herbicide and subsequently infected with infectious hematopoietic necrosis virus. <i>Aquatic Toxicology</i> , 2019, 215, 105282.	4.0	14
42	Underwater hyperspectral classification of deep sea corals exposed to 2-methylnaphthalene. <i>PLoS ONE</i> , 2019, 14, e0209960.	2.5	14
43	Simulations of accidental coal immersion. <i>Marine Pollution Bulletin</i> , 2007, 54, 1932-1939.	5.0	13
44	In vivo effects of LCO soluble fraction on immune-related functions and gene transcription in the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg). <i>Aquatic Toxicology</i> , 2010, 97, 196-203.	4.0	13
45	Chemical Dispersion of Crude Oil: Assessment of Physiological, Immune, and Antioxidant Systems in Juvenile Turbot (<i>Scophthalmus maximus</i>). <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	13
46	Growth and immune system performance to assess the effect of dispersed oil on juvenile sea bass (<i>Dicentrarchus labrax</i>). <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 215-222.	6.0	13
47	Avoidance threshold to oil water-soluble fraction by a juvenile marine teleost fish. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 854-859.	4.3	13
48	Assessing the long-term effect of exposure to dispersant-treated oil on fish health using hypoxia tolerance and temperature susceptibility as ecologically relevant biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 210-221.	4.3	13
49	Branchial structure and hydromineral equilibrium in juvenile turbot (<i>Scophthalmus maximus</i>) exposed to heavy fuel oil. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 363-371.	2.3	12
50	Offshore experiments on styrene spillage in marine waters for risk assessment. <i>Marine Pollution Bulletin</i> , 2012, 64, 1367-1374.	5.0	12
51	Effects of oil and bioremediation on mussel (<i>Mytilus edulis</i> L.) growth in mudflats. <i>Environmental Technology (United Kingdom)</i> , 2003, 24, 1211-1219.	2.2	10
52	Evaluation of chromosomal damage by flow cytometry in turbot (<i>Scophthalmus maximus</i> L.) exposed to fuel oil. <i>Biomarkers</i> , 2004, 9, 435-446.	1.9	10
53	Responses of conventional and molecular biomarkers in turbot <i>Scophthalmus maximus</i> exposed to heavy fuel oil no. 6 and styrene. <i>Aquatic Toxicology</i> , 2012, 116-117, 116-128.	4.0	10
54	Combined effects of salinity and temperature on the solubility of organic compounds. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 54-64.	2.0	10

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55	DISCOBIOL: Assessment of the Impact of Dispersant Use for Oil Spill Response in Coastal or Estuarine Areas. International Oil Spill Conference Proceedings, 2014, 2014, 491-503.	0.1	9
56	Sensitivity of the deep-sea amphipod <i>Eurythenes gryllus</i> to chemically dispersed oil. Environmental Science and Pollution Research, 2016, 23, 6497-6505.	5.3	8
57	A study of marine pollution caused by the release of metals into seawater following acid spills. Marine Pollution Bulletin, 2010, 60, 998-1004.	5.0	7
58	Dispersed oil decreases the ability of a model fish (<i>Dicentrarchus labrax</i>) to cope with hydrostatic pressure. Environmental Science and Pollution Research, 2017, 24, 3054-3062.	5.3	7
59	An Integrated Biomarker Approach Using Flounder to Improve Chemical Risk Assessments in the Heavily Polluted Seine Estuary. Journal of Xenobiotics, 2020, 10, 14-35.	6.7	7
60	The effects of hypoxia on aerobic metabolism in oil-contaminated sea bass (<i>Dicentrarchus labrax</i>). Chemosphere, 2020, 253, 126678.	8.2	7
61	Effects of oil spill response technologies on marine microorganisms in the high Arctic. Marine Environmental Research, 2019, 151, 104785.	2.5	6
62	The effect of hypoxia and hydrocarbons on the anti-predator performance of European sea bass (<i>Dicentrarchus labrax</i>). Environmental Pollution, 2019, 251, 581-590.	7.5	6
63	Effects of dispersant treated oil upon exploratory behaviour in juvenile European sea bass (<i>Dicentrarchus labrax</i>). Ecotoxicology and Environmental Safety, 2021, 208, 111592.	6.0	6
64	Hazardous Noxious Substance Detection Based on Ground Experiment and Hyperspectral Remote Sensing. Remote Sensing, 2021, 13, 318.	4.0	6
65	Evaluation of the ability of calcite, bentonite and barite to enhance oil dispersion under arctic conditions. Marine Pollution Bulletin, 2018, 127, 626-636.	5.0	5
66	Transchem project " Part I: Impact of long-term exposure to pendimethalin on the health status of rainbow trout (<i>Oncorhynchus mykiss</i> L.) genitors. Aquatic Toxicology, 2018, 202, 207-215.	4.0	5
67	Transchem project " Part II: Transgenerational effects of long-term exposure to pendimethalin at environmental concentrations on the early development and viral pathogen susceptibility of rainbow trout (<i>Oncorhynchus mykiss</i>). Aquatic Toxicology, 2018, 202, 126-135.	4.0	5
68	Food deprivation reduces social interest in the European sea bass <i>Dicentrarchus labrax</i> . Journal of Experimental Biology, 2019, 222, .	1.7	5
69	Pesticides, nonylphenols and polybrominated diphenyl ethers in marine bivalves from France: A pilot study. Marine Pollution Bulletin, 2021, 172, 112956.	5.0	3
70	Behavior of chemicals in the seawater column by shadowscopy. Proceedings of SPIE, 2012, , .	0.8	1
71	Deep-sea versus shallow conditions: a comparative ecobarotoxicological study. Environmental Science and Pollution Research, 2020, 27, 7736-7741.	5.3	1
72	Combined effects of high hydrostatic pressure and dispersed oil on the metabolism and the mortality of turbot hepatocytes (<i>Scophthalmus maximus</i>). Chemosphere, 2020, 249, 126420.	8.2	1

#	ARTICLE	IF	CITATIONS
73	Extreme Environments: The New Exploration/Production Oil Area Problem. , 2018, , 83-121.		0
74	Oil Spill Dispersant Use: Toxicity on Marine Teleost Fish. , 2018, , 71-82.		0
75	Understanding Chemical Pollution at Sea. International Oil Spill Conference Proceedings, 2014, 2014, 299897.	0.1	0
76	An innovative experimental device to assess the behavior of a chemical under controlled environmental parameters. International Oil Spill Conference Proceedings, 2017, 2017, 1287-1303.	0.1	0