

Stphane Le Floch

List of Publications by Citations

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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.

76
papers

1,311
citations

21
h-index

32
g-index

78
ext. papers

1,458
ext. citations

5.7
avg, IF

4.33
L-index

#	Paper	IF	Citations
76	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	5.1	87
75	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, 160-70	5.1	70
74	The Influence of Salinity on Oil/Mineral Aggregate Formation. <i>Spill Science and Technology Bulletin</i> , 2002 , 8, 65-71		63
73	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, 155-64	5.1	58
72	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		51
71	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, 300-11	5.1	48
70	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, 1643-50	10.2	47
69	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, 1610-7	3.6	43
68	Significance of metallothioneins in differential cadmium accumulation kinetics between two marine fish species. <i>Environmental Pollution</i> , 2018 , 236, 462-476	9.3	37
67	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	5.1	35
66	Enhanced immunological and detoxification responses in Pacific oysters, <i>Crassostrea gigas</i> , exposed to chemically dispersed oil. <i>Water Research</i> , 2011 , 45, 4103-18	12.5	33
65	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	3.7	32
64	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	8.4	31
63	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, 865-71	6.7	29
62	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, 1446-54	7	29
61	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, 143-52	10.2	28
60	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, 235-41	3.6	27

59	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	7	26
58	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, 21-7	7	25
57	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, 2167-74	7	24
56	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	5.1	22
55	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, 1543-51	3.8	21
54	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, 1896-904	7	21
53	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, 270-8	7	17
52	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, 13779-88	5.1	17
51	Dry bulk cargo shipping - An overlooked threat to the marine environment?. <i>Marine Pollution Bulletin</i> , 2016 , 110, 511-519	6.7	16
50	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	7	16
49	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, 13769-78	5.1	15
48	The potential for dispersant use as a maritime oil spill response measure in German waters. <i>Marine Pollution Bulletin</i> , 2018 , 129, 623-632	6.7	15
47	Effect of dispersed crude oil on cardiac function in seabass <i>Dicentrarchus labrax</i> . <i>Chemosphere</i> , 2015 , 134, 192-8	8.4	14
46	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, 1888-95	7	14
45	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	5.1	13
44	Simulations of accidental coal immersion. <i>Marine Pollution Bulletin</i> , 2007 , 54, 1932-9	6.7	13
43	A Field Experimentation on Bioremediation: Bioren. <i>Environmental Technology (United Kingdom)</i> , 1999 , 20, 897-907	2.6	13
42	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	2.6	12

41	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, 363-71	2.7	12
40	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	5.1	12
39	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	3.3	12
38	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	5.1	11
37	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, 215-22	7	11
36	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	5.1	11
35	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	1.9	11
34	Metal subcellular partitioning determines excretion pathways and sensitivity to cadmium toxicity in two marine fish species. <i>Chemosphere</i> , 2019 , 217, 754-762	8.4	11
33	Underwater hyperspectral classification of deep sea corals exposed to 2-methylnaphthalene. <i>PLoS ONE</i> , 2019 , 14, e0209960	3.7	10
32	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	10.2	10
31	Effects of oil and bioremediation on mussel (<i>Mytilus edulis</i> L.) growth in mudflats. <i>Environmental Technology (United Kingdom)</i> , 2003 , 24, 1211-9	2.6	10
30	Avoidance threshold to oil water-soluble fraction by a juvenile marine teleost fish. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 854-859	3.8	10
29	Offshore experiments on styrene spillage in marine waters for risk assessment. <i>Marine Pollution Bulletin</i> , 2012 , 64, 1367-74	6.7	9
28	Combined effects of salinity and temperature on the solubility of organic compounds. <i>Journal of Chemical Thermodynamics</i> , 2012 , 48, 54-64	2.9	9
27	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, 116-28	5.1	9
26	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	3.8	9
25	Evaluation of chromosomal damage by flow cytometry in turbot (<i>Scophthalmus maximus</i> L.) exposed to fuel oil. <i>Biomarkers</i> , 2004 , 9, 435-46	2.6	8
24	Coastal ecosystem inventory with characterization and identification of plastic contamination and additives from aquaculture materials. <i>Marine Pollution Bulletin</i> , 2021 , 167, 112286	6.7	8

23	Sensitivity of the deep-sea amphipod <i>Eurythenes gryllus</i> to chemically dispersed oil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6497-505	5.1	8
22	Dispersed oil decreases the ability of a model fish (<i>Dicentrarchus labrax</i>) to cope with hydrostatic pressure. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3054-3062	5.1	7
21	DISCOBIOL: Assessment of the Impact of Dispersant Use for Oil Spill Response in Coastal or Estuarine Areas. <i>International Oil Spill Conference Proceedings</i> , 2014 , 2014, 491-503		7
20	A study of marine pollution caused by the release of metals into seawater following acid spills. <i>Marine Pollution Bulletin</i> , 2010 , 60, 998-1004	6.7	6
19	The effect of hypoxia and hydrocarbons on the anti-predator performance of European sea bass (<i>Dicentrarchus labrax</i>). <i>Environmental Pollution</i> , 2019 , 251, 581-590	9.3	5
18	Transchem project - Part I: Impact of long-term exposure to pendimethalin on the health status of rainbow trout (<i>Oncorhynchus mykiss</i> L.) genitors. <i>Aquatic Toxicology</i> , 2018 , 202, 207-215	5.1	5
17	Evaluation of the ability of calcite, bentonite and barite to enhance oil dispersion under arctic conditions. <i>Marine Pollution Bulletin</i> , 2018 , 127, 626-636	6.7	4
16	Effects of dispersant treated oil upon exploratory behaviour in juvenile European sea bass (<i>Dicentrarchus labrax</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111592	7	4
15	Food deprivation reduces social interest in the European sea bass. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	3
14	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>). <i>Aquatic Toxicology</i> , 2018 , 202, 126-135	5.1	3
13	Hazardous Noxious Substance Detection Based on Ground Experiment and Hyperspectral Remote Sensing. <i>Remote Sensing</i> , 2021 , 13, 318	5	3
12	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	5.1	3
11	Effects of oil spill response technologies on marine microorganisms in the high Arctic. <i>Marine Environmental Research</i> , 2019 , 151, 104785	3.3	2
10	An Integrated Biomarker Approach Using Flounder to Improve Chemical Risk Assessments in the Heavily Polluted Seine Estuary. <i>Journal of Xenobiotics</i> , 2020 , 10, 14-35	1	2
9	The effects of hypoxia on aerobic metabolism in oil-contaminated sea bass (<i>Dicentrarchus labrax</i>). <i>Chemosphere</i> , 2020 , 253, 126678	8.4	2
8	Combined effects of high hydrostatic pressure and dispersed oil on the metabolism and the mortality of turbot hepatocytes (<i>Scophthalmus maximus</i>). <i>Chemosphere</i> , 2020 , 249, 126420	8.4	1
7	Pesticides, nonylphenols and polybrominated diphenyl ethers in marine bivalves from France: A pilot study. <i>Marine Pollution Bulletin</i> , 2021 , 172, 112956	6.7	0
6	Understanding Chemical Pollution at Sea. <i>International Oil Spill Conference Proceedings</i> , 2014 , 2014, 299897		

- 5 An innovative experimental device to assess the behavior of a chemical under controlled environmental parameters. *International Oil Spill Conference Proceedings*, **2017**, 2017, 1287-1303
- 4 Deep-sea versus shallow conditions: a comparative ecobarotoxicological study. *Environmental Science and Pollution Research*, **2020**, 27, 7736-7741 5-1
- 3 Extreme Environments: The New Exploration/Production Oil Area Problem **2018**, 83-121
- 2 Oil Spill Dispersant Use: Toxicity on Marine Teleost Fish **2018**, 71-82
- 1 Environmental Quality of Coastal Areas in the Mediterranean Sea and Potential Risks to Human Health **2021**, 103-143