Jŕŵe Cachot

List of Publications by Citations

86 papers	2,048 citations	28 h-index	41 g-index
91 ext. papers	2,507 ext. citations	5.9 avg, IF	5.03 L-index

#	Paper	IF	Citations
86	Environmental samples of microplastics induce significant toxic effects in fish larvae. *Environment International*, **2020**, 134, 105047	12.9	135
85	Gene expression rhythms in the mussel Mytilus galloprovincialis (Lam.) across an annual cycle. *PLoS ONE*, **2011**, 6, e18904	3.7	82
84	Embryotoxic and genotoxic effects of heavy metals and pesticides on early life stages of Pacific oyster (Crassostrea gigas). *Marine Pollution Bulletin*, **2012**, 64, 2663-70	6.7	80
83	Transcriptional response of the mussel Mytilus galloprovincialis (Lam.) following exposure to heat stress and copper. *PLoS ONE*, **2013**, 8, e66802	3.7	71
82	Environmental concentrations of irgarol, diuron and S-metolachlor induce deleterious effects on gametes and embryos of the Pacific oyster, Crassostrea gigas. *Marine Environmental Research*, **2013**, 89, 1-8	3.3	64
81	Distribution and ecological risk of polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in surface sediments from the Bizerte lagoon, Tunisia. *Environmental Science and Pollution Research*, **2014**, 21, 6290-302	5.1	61
80	Effects of copper and cadmium spiked-sediments on embryonic development of Japanese medaka (Oryzias latipes). *Ecotoxicology and Environmental Safety*, **2012**, 79, 272-282	7	54
79	Occurrence of polycyclic aromatic hydrocarbons (PAHs) in mussel (Mytilus galloprovincialis) and eel (Anguilla anguilla) from Bizerte lagoon, Tunisia, and associated human health risk assessment. *Continental Shelf Research*, **2016**, 124, 104-116	2.4	53
78	Polycyclic aromatic hydrocarbons (PAHs) in surface sediments from the Bizerte Lagoon, Tunisia: levels, sources, and toxicological significance. *Environmental Monitoring and Assessment*, **2014**, 186, 2653-69	2.1	51
77	Long-term disruption of growth, reproduction, and behavior after embryonic exposure of zebrafish to PAH-spiked sediment. *Environmental Science and Pollution Research*, **2014**, 21, 13877-87	5.1	51
76	Zebrafish Models for Human Acute Organophosphorus Poisoning. *Scientific Reports*, **2015**, 5, 15591	4.9	49
75	Developmental toxicity of PAH mixtures in fish early life stages. Part II: adverse effects in Japanese medaka. *Environmental Science and Pollution Research*, **2014**, 21, 13732-43	5.1	45
74	Characterization of toxic effects of sediment-associated organic pollutants using the lambda transgenic medaka. *Environmental Science & Technology*, **2007**, 41, 7830-6	10.3	45
73	Assessing the impact of Benzo[a]pyrene on Marine Mussels: Application of a novel targeted low density microarray complementing classical biomarker responses. *PLoS ONE*, **2017**, 12, e0178460	3.7	45
72	Combined effects of n-TiO2 and 2,3,7,8-TCDD in Mytilus galloprovincialis digestive gland: A transcriptomic and immunohistochemical study. *Environmental Research*, **2016**, 145, 135-144	7.9	44
71	Imidacloprid induces adverse effects on fish early life stages that are more severe in Japanese medaka (Oryzias latipes) than in zebrafish (Danio rerio). *Chemosphere*, **2019**, 225, 470-478	8.4	43
70	Organic contaminants sorbed to microplastics affect marine medaka fish early life stages development. *Marine Pollution Bulletin*, **2020**, 154, 111059	6.7	43

69	Psychotropic drugs in mixture alter swimming behaviour of Japanese medaka (Oryzias latipes) larvae above environmental concentrations. *Environmental Science and Pollution Research*, **2016**, 23, 4964-77	5.1	42
68	Combined effects of pollutants and salinity on embryo-larval development of the Pacific oyster, Crassostrea gigas. *Marine Environmental Research*, **2016**, 113, 31-8	3.3	42
67	Toxicity assessment of water-accommodated fractions from two different oils using a zebrafish (Danio rerio) embryo-larval bioassay with a multilevel approach. *Science of the Total Environment*, **2016**, 568, 952-966	10.2	40
66	Toxicity assessment of pollutants sorbed on environmental sample microplastics collected on beaches: Part I-adverse effects on fish cell line. *Environmental Pollution*, **2019**, 248, 1088-1097	9.3	38
65	Developmental toxicity of PAH mixtures in fish early life stages. Part I: adverse effects in rainbow trout. *Environmental Science and Pollution Research*, **2014**, 21, 13720-31	5.1	37
64	Toxicity assessment of pollutants sorbed on environmental microplastics collected on beaches: Part II-adverse effects on Japanese medaka early life stages. *Environmental Pollution*, **2019**, 248, 1098-1107	9.3	36
63	Assessment of pollution in the Bizerte lagoon (Tunisia) by the combined use of chemical and biochemical markers in mussels, Mytilus galloprovincialis. *Marine Pollution Bulletin*, **2014**, 84, 379-90	6.7	36
62	A new spiked sediment assay using embryos of the Japanese medaka specifically designed for a reliable toxicity assessment of hydrophobic chemicals. *Aquatic Toxicology*, **2011**, 105, 235-45	5.1	35
61	High density polyethylene (HDPE) microplastics impair development and swimming activity of Pacific oyster D-larvae, Crassostrea gigas, depending on particle size. *Environmental Pollution*, **2020**, 260, 113978	9.3	32
60	Pollution biomonitoring in the Bizerte lagoon (Tunisia), using combined chemical and biomarker analyses in grass goby, Zosterisessor ophiocephalus (Teleostei, Gobiidae). *Marine Environmental Research*, **2014**, 101, 184-195	3.3	31
59	Exploration of Daphnia behavioral effect profiles induced by a broad range of toxicants with different modes of action. *Environmental Toxicology and Chemistry*, **2015**, 34, 1760-9	3.8	29
58	Early and efficient induction of antioxidant defense system in Mytilus galloprovincialis embryos exposed to metals and heat stress. *Ecotoxicology and Environmental Safety*, **2017**, 138, 105-112	7	28
57	Detection of DNA damage in yolk-sac larvae of the Japanese Medaka, Oryzias latipes, by the comet assay. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 2235-42	4.4	26
56	Gene expression patterns and related enzymatic activities of detoxification and oxidative stress systems in zebrafish larvae exposed to the 2,4-dichlorophenoxyacetic acid herbicide. *Chemosphere*, **2019**, 224, 289-297	8.4	25
55	Influence of sediment composition on PAH toxicity using zebrafish (Danio rerio) and Japanese medaka (Oryzias latipes) embryo-larval assays. *Environmental Science and Pollution Research*, **2014**, 21, 13703-19	5.1	24
54	High sensitivity of embryo-larval stage of the Mediterranean mussel, Mytilus galloprovincialis to metal pollution in combination with temperature increase. *Marine Environmental Research*, **2016**, 122, 59-66	3.3	23
53	Variation patterns in individual fish responses to chemical stress among estuaries, seasons and genders: the case of the European flounder (Platichthys flesus) in the Bay of Biscay. *Environmental Science and Pollution Research*, **2013**, 20, 738-48	5.1	22
52	cDNA cloning and expression analysis of flounder p53 tumour suppressor gene. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **1998**, 121, 235-42	2.3	22

51	Development of a larval bioassay using the calanoid copepod, Eurytemora affinis to assess the toxicity of sediment-bound pollutants. *Ecotoxicology and Environmental Safety*, **2013**, 94, 60-6	7	20
50	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111665	7	20
49	Combined effects of temperature and copper and S-metolachlor on embryo-larval development of the Pacific oyster, Crassostrea gigas. *Marine Pollution Bulletin*, **2017**, 115, 201-210	6.7	19
48	Environmental concentrations of benz[a]anthracene induce developmental defects and DNA damage and impair photomotor response in Japanese medaka larvae. *Ecotoxicology and Environmental Safety*, **2015**, 113, 321-8	7	19
47	Comparative responses of sperm cells and embryos of Pacific oyster (Crassostrea gigas) to exposure to metolachlor and its degradation products. *Aquatic Toxicology*, **2014**, 147, 48-56	5.1	18
46	Histopathological lesions and DNA adducts in the liver of European flounder (Platichthys flesus) collected in the Seine estuary versus two reference estuarine systems on the French Atlantic coast. *Environmental Science and Pollution Research*, **2013**, 20, 723-37	5.1	18
45	Integrated monitoring of chemicals and their effects on four sentinel species, Limanda limanda, Platichthys flesus, Nucella lapillus and Mytilus sp., in Seine Bay: A key step towards applying biological effects to monitoring. *Marine Environmental Research*, **2017**, 124, 92-105	3.3	18
44	A glyphosate-based herbicide induces sub-lethal effects in early life stages and liver cell line of rainbow trout, Oncorhynchus mykiss. *Aquatic Toxicology*, **2019**, 216, 105291	5.1	16
43	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish (Danio rerio). *Frontiers in Environmental Science*, **2019**, 7,	4.8	14
42	Evaluation of psychiatric hospital wastewater toxicity: what is its impact on aquatic organisms?. *Environmental Science and Pollution Research*, **2018**, 25, 26090-26102	5.1	14
41	Experimental ingestion of fluorescent microplastics by pacific oysters, Crassostrea gigas, and their effects on the behaviour and development at early stages. *Chemosphere*, **2020**, 254, 126793	8.4	13
40	Application of a new targeted low density microarray and conventional biomarkers to evaluate the health status of marine mussels: A field study in Sardinian coast, Italy. *Science of the Total Environment*, **2018**, 628-629, 319-328	10.2	13
39	Development of a reference artificial sediment for chemical testing adapted to the MELA sediment contact assay. *Environmental Science and Pollution Research*, **2014**, 21, 13689-702	5.1	13
38	Compared responses to copper and increased temperatures of hybrid and pure offspring of two mussel species. *Science of the Total Environment*, **2019**, 685, 795-805	10.2	12
37	Usefulness of RTL-W1 and OLCAB-e3 fish cell lines and multiple endpoint measurements for toxicity evaluation of unknown or complex mixture of chemicals. *Ecotoxicology and Environmental Safety*, **2018**, 150, 40-48	7	12
36	Transcriptional responses and embryotoxic effects induced by pyrene and methylpyrene in Japanese medaka (Oryzias latipes) early life stages exposed to spiked sediments. *Environmental Science and Pollution Research*, **2014**, 21, 13850-66	5.1	12
35	Juvenile fish caging as a tool for assessing microplastics contamination in estuarine fish nursery grounds. *Environmental Science and Pollution Research*, **2020**, 27, 3548-3559	5.1	12
34	Using an Integrated Approach to Assess the Sediment Quality of an Mediterranean Lagoon, the Bizerte Lagoon (Tunisia). *Ecotoxicology*, **2016**, 25, 1082-104	2.9	11

33	Assessment of the toxicity and the fertilizing power from application of gamma irradiated anaerobic sludge as fertilizer: Effect on Vicia faba growth. *Radiation Physics and Chemistry*, **2018**, 150, 163-168	2.5	10
32	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. *Journal of Hazardous Materials*, **2021**, 415, 125626	12.8	10
31	Application of a multidisciplinary and integrative weight-of-evidence approach to a 1-year monitoring survey of the Seine River. *Environmental Science and Pollution Research*, **2018**, 25, 23404-23429	5.1	9
30	Sub-lethal effects of waterborne copper in early developmental stages of rainbow trout (Oncorhynchus mykiss). *Ecotoxicology and Environmental Safety*, **2019**, 170, 778-788	7	9
29	Molecular and phenotypic responses of Japanese medaka (Oryzias latipes) early life stages to environmental concentrations of cadmium in sediment. *Environmental Science and Pollution Research*, **2016**, 23, 17969-81	5.1	8
28	Moderate temperature elevation increase susceptibility of early-life stage of the Mediterranean mussel, Mytilus galloprovincialis to metal-induced genotoxicity. *Science of the Total Environment*, **2019**, 663, 351-360	10.2	8
27	Spatial Distribution and Toxic Potency of Trace Metals in Surface Sediments of the Seine Estuary (France). *Clean - Soil, Air, Water*, **2016**, 44, 544-552	1.6	8
26	Comparative biomarker responses in Japanese medaka (Oryzias latipes) exposed to benzo[a]pyrene and challenged with betanodavirus at three different life stages. *Science of the Total Environment*, **2019**, 652, 964-976	10.2	8
25	An innovative and integrative assay for toxicity testing using individual fish embryos. Application to oxazepam. *Chemosphere*, **2017**, 181, 468-477	8.4	7
24	Responses of juvenile European flounder (Platichthys flesus) to multistress in the Vilaine estuary, during a 6-month survey. *Environmental Science and Pollution Research*, **2013**, 20, 676-89	5.1	7
23	Assessing the toxicity of sediments using the medaka embryo-larval assay and 2 other bioassays. *Environmental Toxicology and Chemistry*, **2016**, 35, 2270-80	3.8	7
22	Assessment of swimming behavior of the Pacific oyster D-larvae (Crassostrea gigas) following exposure to model pollutants. *Environmental Science and Pollution Research*, **2020**, 27, 3675-3685	5.1	7
21	Do Temporal and Spatial Parameters or Lifestyle of the Pacific Oyster Crasssostrea gigas Affect Pollutant Bioaccumulation, Offspring Development, and Tolerance to Pollutants?. *Frontiers in Marine Science*, **2017**, 4,	4.5	6
20	In vivo esterase activity in protoplasts as a bioassay of environmental quality. *Aquatic Botany*, **1994**, 48, 297-312	1.8	6
19	Transgenerational epigenetic sex determination: Environment experienced by female fish affects offspring sex ratio. *Environmental Pollution*, **2021**, 277, 116864	9.3	6
18	Health indicators and contaminant levels of a critically endangered species in the Gironde estuary, the European sturgeon. *Environmental Science and Pollution Research*, **2020**, 27, 3726-3745	5.1	6
17	Production of a polyclonal antibody raised against recombinant flounder p53 protein. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1998**, 120, 351-6		5
16	Molecular mechanisms underlying the effects of temperature increase on Mytilus sp. and their hybrids at early larval stages. *Science of the Total Environment*, **2020**, 708, 135200	10.2	5

15	Comparison of imidacloprid, propiconazole, and nanopropiconazole effects on the development, behavior, and gene expression biomarkers of the Pacific oyster (Magallana gigas). *Science of the Total Environment*, **2021**, 764, 142921	10.2	4
14	Developmental effect of parental or direct chronic exposure to environmental concentration of glyphosate on the larvae of rainbow trout, Oncorhynchus mykiss. *Aquatic Toxicology*, **2021**, 237, 105894	5.1	4
13	Generational effects of a chronic exposure to a low environmentally relevant concentration of glyphosate on rainbow trout, Oncorhynchus mykiss. *Science of the Total Environment*, **2021**, 801, 149462	10.2	4
12	A comprehensive study of the toxicity of natural multi-contaminated sediments: New insights brought by the use of a combined approach using the medaka embryo-larval assay and physico-chemical analyses. *Ecotoxicology and Environmental Safety*, **2017**, 142, 509-521	7	3
11	Molecular cloning of flounder Xp18, a newly identified highly conserved protein mainly expressed in the ovary. *Gene*, **2003**, 307, 13-21	3.8	3
10	An environmentally realistic pesticide and copper mixture impacts embryonic development and DNA integrity of the Pacific oyster, Crassostrea gigas. *Environmental Science and Pollution Research*, **2020**, 27, 3600-3611	5.1	3
9	Natural distribution of pure and hybrid Mytilus sp. along the south Mediterranean and North-east Atlantic coasts and sensitivity of D-larvae stages to temperature increases and metal pollution. *Science of the Total Environment*, **2021**, 756, 143675	10.2	3
8	Toxicity and risk assessment of six widely used pesticides on embryo-larval development of the Pacific oyster, Crassostrea gigas. *Science of the Total Environment*, **2021**, 779, 146343	10.2	3
7	Subchronic exposure to high-density polyethylene microplastics alone or in combination with chlortoluron significantly affected valve activity and daily growth of the Pacific oyster, Crassostrea gigas. *Aquatic Toxicology*, **2021**, 237, 105880	5.1	3
6	Subchronic Exposure to Environmental Concentrations of Chlorpyrifos Affects Swimming Activity of Rainbow Trout Larvae. *Environmental Toxicology and Chemistry*, **2021**, 40, 3092-3102	3.8	3
5	Seasonal variations of contamination and exoskeletal malformations in the white shrimps Palaemon longirostris in the Gironde estuary, France. *Environmental Science and Pollution Research*, **2018**, 25, 22689-22701	5.1	2
4	Oxythermal window drastically constraints the survival and development of European sturgeon early life phases. *Environmental Science and Pollution Research*, **2020**, 27, 3651-3660	5.1	2
3	Environmentally Relevant Mixture of Pesticides Affect Mobility and DNA Integrity of Early Life Stages of Rainbow Trout (). *Toxics*, **2021**, 9,	4.7	1
2	New insights into the possible multiple roles of histidine-rich glycoprotein in blue mussels. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2020**, 245, 110440	2.3	1
1	Comparative developmental toxicity of conventional oils and diluted bitumen on early life stages of the rainbow trout (Oncorhynchus mykiss). *Aquatic Toxicology*, **2021**, 239, 105937	5.1	1