

# Jérôme Cachot

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3110222/jerome-cachot-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Transgenerational epigenetic sex determination: Environment experienced by female fish affects offspring sex ratio. <i>Environmental Pollution</i> , <b>2021</b> , 277, 116864	9.3	6
85	Environmentally Relevant Mixture of Pesticides Affect Mobility and DNA Integrity of Early Life Stages of Rainbow Trout (). <i>Toxics</i> , <b>2021</b> , 9,	4.7	1
84	Natural distribution of pure and hybrid <i>Mytilus</i> sp. along the south Mediterranean and North-east Atlantic coasts and sensitivity of D-larvae stages to temperature increases and metal pollution. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 143675	10.2	3
83	Comparison of imidacloprid, propiconazole, and nanopropiconazole effects on the development, behavior, and gene expression biomarkers of the Pacific oyster ( <i>Magallana gigas</i> ). <i>Science of the Total Environment</i> , <b>2021</b> , 764, 142921	10.2	4
82	Chemicals sorbed to environmental microplastics are toxic to early life stages of aquatic organisms. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111665	7	20
81	Toxicity and risk assessment of six widely used pesticides on embryo-larval development of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Science of the Total Environment</i> , <b>2021</b> , 779, 146343	10.2	3
80	Chronic feeding exposure to virgin and spiked microplastics disrupts essential biological functions in teleost fish. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 415, 125626	12.8	10
79	Developmental effect of parental or direct chronic exposure to environmental concentration of glyphosate on the larvae of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , <b>2021</b> , 237, 105894 <sup>5.1</sup>	5.1	4
78	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> , <b>2021</b> , 237, 105880	5.1	3
77	Subchronic Exposure to Environmental Concentrations of Chlorpyrifos Affects Swimming Activity of Rainbow Trout Larvae. <i>Environmental Toxicology and Chemistry</i> , <b>2021</b> , 40, 3092-3102	3.8	3
76	Comparative developmental toxicity of conventional oils and diluted bitumen on early life stages of the rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquatic Toxicology</i> , <b>2021</b> , 239, 105937	5.1	1
75	Generational effects of a chronic exposure to a low environmentally relevant concentration of glyphosate on rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Science of the Total Environment</i> , <b>2021</b> , 801, 149462 <sup>10.2</sup>	10.2	4
74	Experimental ingestion of fluorescent microplastics by pacific oysters, <i>Crassostrea gigas</i> , and their effects on the behaviour and development at early stages. <i>Chemosphere</i> , <b>2020</b> , 254, 126793	8.4	13
73	Organic contaminants sorbed to microplastics affect marine medaka fish early life stages development. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 154, 111059	6.7	43
72	High density polyethylene (HDPE) microplastics impair development and swimming activity of Pacific oyster D-larvae, <i>Crassostrea gigas</i> , depending on particle size. <i>Environmental Pollution</i> , <b>2020</b> , 260, 113978	9.3	32
71	Environmental samples of microplastics induce significant toxic effects in fish larvae. <i>Environment International</i> , <b>2020</b> , 134, 105047	12.9	135
70	Molecular mechanisms underlying the effects of temperature increase on <i>Mytilus</i> sp. and their hybrids at early larval stages. <i>Science of the Total Environment</i> , <b>2020</b> , 708, 135200	10.2	5

69	Oxythermal window drastically constraints the survival and development of European sturgeon early life phases. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3651-3660	5.1	2
68	Juvenile fish caging as a tool for assessing microplastics contamination in estuarine fish nursery grounds. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3548-3559	5.1	12
67	An environmentally realistic pesticide and copper mixture impacts embryonic development and DNA integrity of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3600-3611	5.1	3
66	Assessment of swimming behavior of the Pacific oyster D-larvae ( <i>Crassostrea gigas</i> ) following exposure to model pollutants. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3675-3685	5.1	7
65	Health indicators and contaminant levels of a critically endangered species in the Gironde estuary, the European sturgeon. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 3726-3745	5.1	6
64	New insights into the possible multiple roles of histidine-rich glycoprotein in blue mussels. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2020</b> , 245, 110440	2.3	1
63	A glyphosate-based herbicide induces sub-lethal effects in early life stages and liver cell line of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquatic Toxicology</i> , <b>2019</b> , 216, 105291	5.1	16
62	Multi-Laboratory Hazard Assessment of Contaminated Microplastic Particles by Means of Enhanced Fish Embryo Test With the Zebrafish ( <i>Danio rerio</i> ). <i>Frontiers in Environmental Science</i> , <b>2019</b> , 7,	4.8	14
61	Compared responses to copper and increased temperatures of hybrid and pure offspring of two mussel species. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 795-805	10.2	12
60	Toxicity assessment of pollutants sorbed on environmental microplastics collected on beaches: Part II-adverse effects on Japanese medaka early life stages. <i>Environmental Pollution</i> , <b>2019</b> , 248, 1098-1107	10.2	36
59	Imidacloprid induces adverse effects on fish early life stages that are more severe in Japanese medaka ( <i>Oryzias latipes</i> ) than in zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , <b>2019</b> , 225, 470-478	8.4	43
58	Toxicity assessment of pollutants sorbed on environmental sample microplastics collected on beaches: Part I-adverse effects on fish cell line. <i>Environmental Pollution</i> , <b>2019</b> , 248, 1088-1097	9.3	38
57	Moderate temperature elevation increase susceptibility of early-life stage of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> to metal-induced genotoxicity. <i>Science of the Total Environment</i> , <b>2019</b> , 663, 351-360	10.2	8
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. <i>Chemosphere</i> , <b>2019</b> , 224, 289-297	8.4	25
55	Sub-lethal effects of waterborne copper in early developmental stages of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 170, 778-788	7	9
54	Comparative biomarker responses in Japanese medaka ( <i>Oryzias latipes</i> ) exposed to benzo[a]pyrene and challenged with betanodavirus at three different life stages. <i>Science of the Total Environment</i> , <b>2019</b> , 652, 964-976	10.2	8
53	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. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 319-328	10.2	13
52	Usefulness of RTL-W1 and OLCAB-e3 fish cell lines and multiple endpoint measurements for toxicity evaluation of unknown or complex mixture of chemicals. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 150, 40-48	7	12

51	Assessment of the toxicity and the fertilizing power from application of gamma irradiated anaerobic sludge as fertilizer: Effect on Vicia faba growth. <i>Radiation Physics and Chemistry</i> , <b>2018</b> , 150, 163-168	2.5	10
50	Application of a multidisciplinary and integrative weight-of-evidence approach to a 1-year monitoring survey of the Seine River. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 23404-23429	5.1	9
49	Evaluation of psychiatric hospital wastewater toxicity: what is its impact on aquatic organisms?. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 26090-26102	5.1	14
48	Seasonal variations of contamination and exoskeletal malformations in the white shrimps <i>Palaemon longirostris</i> in the Gironde estuary, France. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 22689-22701	5.1	2
47	Early and efficient induction of antioxidant defense system in <i>Mytilus galloprovincialis</i> embryos exposed to metals and heat stress. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 138, 105-112	7	28
46	An innovative and integrative assay for toxicity testing using individual fish embryos. Application to oxazepam. <i>Chemosphere</i> , <b>2017</b> , 181, 468-477	8.4	7
45	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. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 142, 509-521	7	3
44	Combined effects of temperature and copper and S-metolachlor on embryo-larval development of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Pollution Bulletin</i> , <b>2017</b> , 115, 201-210	6.7	19
43	Integrated monitoring of chemicals and their effects on four sentinel species, <i>Limanda limanda</i> , <i>Platichthys flesus</i> , <i>Nucella lapillus</i> and <i>Mytilus</i> sp., in Seine Bay: A key step towards applying biological effects to monitoring. <i>Marine Environmental Research</i> , <b>2017</b> , 124, 92-105	3.3	18
42	Do Temporal and Spatial Parameters or Lifestyle of the Pacific Oyster <i>Crassostrea gigas</i> Affect Pollutant Bioaccumulation, Offspring Development, and Tolerance to Pollutants?. <i>Frontiers in Marine Science</i> , <b>2017</b> , 4,	4.5	6
41	Assessing the impact of Benzo[a]pyrene on Marine Mussels: Application of a novel targeted low density microarray complementing classical biomarker responses. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178460	3.7	45
40	Psychotropic drugs in mixture alter swimming behaviour of Japanese medaka ( <i>Oryzias latipes</i> ) larvae above environmental concentrations. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 4964-4977	5.1	42
39	High sensitivity of embryo-larval stage of the Mediterranean mussel, <i>Mytilus galloprovincialis</i> to metal pollution in combination with temperature increase. <i>Marine Environmental Research</i> , <b>2016</b> , 122, 59-66	3.3	23
38	Molecular and phenotypic responses of Japanese medaka ( <i>Oryzias latipes</i> ) early life stages to environmental concentrations of cadmium in sediment. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 17969-81	5.1	8
37	Occurrence of polycyclic aromatic hydrocarbons (PAHs) in mussel ( <i>Mytilus galloprovincialis</i> ) and eel ( <i>Anguilla anguilla</i> ) from Bizerte lagoon, Tunisia, and associated human health risk assessment. <i>Continental Shelf Research</i> , <b>2016</b> , 124, 104-116	2.4	53
36	Combined effects of pollutants and salinity on embryo-larval development of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , <b>2016</b> , 113, 31-8	3.3	42
35	Combined effects of n-TiO <sub>2</sub> and 2,3,7,8-TCDD in <i>Mytilus galloprovincialis</i> digestive gland: A transcriptomic and immunohistochemical study. <i>Environmental Research</i> , <b>2016</b> , 145, 135-144	7.9	44
34	Spatial Distribution and Toxic Potency of Trace Metals in Surface Sediments of the Seine Estuary (France). <i>Clean - Soil, Air, Water</i> , <b>2016</b> , 44, 544-552	1.6	8

33	Assessing the toxicity of sediments using the medaka embryo-larval assay and 2 other bioassays. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2270-80	3.8	7
32	Using an Integrated Approach to Assess the Sediment Quality of an Mediterranean Lagoon, the Bizerte Lagoon (Tunisia). <i>Ecotoxicology</i> , <b>2016</b> , 25, 1082-104	2.9	11
31	Toxicity assessment of water-accommodated fractions from two different oils using a zebrafish ( <i>Danio rerio</i> ) embryo-larval bioassay with a multilevel approach. <i>Science of the Total Environment</i> , <b>2016</b> , 568, 952-966	10.2	40
30	Exploration of Daphnia behavioral effect profiles induced by a broad range of toxicants with different modes of action. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 1760-9	3.8	29
29	Environmental concentrations of benz[a]anthracene induce developmental defects and DNA damage and impair photomotor response in Japanese medaka larvae. <i>Ecotoxicology and Environmental Safety</i> , <b>2015</b> , 113, 321-8	7	19
28	Zebrafish Models for Human Acute Organophosphorus Poisoning. <i>Scientific Reports</i> , <b>2015</b> , 5, 15591	4.9	49
27	Development of a reference artificial sediment for chemical testing adapted to the MELA sediment contact assay. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13689-702	5.1	13
26	Polycyclic aromatic hydrocarbons (PAHs) in surface sediments from the Bizerte Lagoon, Tunisia: levels, sources, and toxicological significance. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 2653-69	3.1	51
25	Comparative responses of sperm cells and embryos of Pacific oyster ( <i>Crassostrea gigas</i> ) to exposure to metolachlor and its degradation products. <i>Aquatic Toxicology</i> , <b>2014</b> , 147, 48-56	5.1	18
24	Pollution biomonitoring in the Bizerte lagoon (Tunisia), using combined chemical and biomarker analyses in grass goby, <i>Zosterisessor ophiocephalus</i> (Teleostei, Gobiidae). <i>Marine Environmental Research</i> , <b>2014</b> , 101, 184-195	3.3	31
23	Long-term disruption of growth, reproduction, and behavior after embryonic exposure of zebrafish to PAH-spiked sediment. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13877-87	5.1	51
22	Developmental toxicity of PAH mixtures in fish early life stages. Part II: adverse effects in Japanese medaka. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13732-43	5.1	45
21	Developmental toxicity of PAH mixtures in fish early life stages. Part I: adverse effects in rainbow trout. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13720-31	5.1	37
20	Transcriptional responses and embryotoxic effects induced by pyrene and methylpyrene in Japanese medaka ( <i>Oryzias latipes</i> ) early life stages exposed to spiked sediments. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13850-66	5.1	12
19	Assessment of pollution in the Bizerte lagoon (Tunisia) by the combined use of chemical and biochemical markers in mussels, <i>Mytilus galloprovincialis</i> . <i>Marine Pollution Bulletin</i> , <b>2014</b> , 84, 379-90	6.7	36
18	Distribution and ecological risk of polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in surface sediments from the Bizerte lagoon, Tunisia. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 6290-302	5.1	61
17	Influence of sediment composition on PAH toxicity using zebrafish ( <i>Danio rerio</i> ) and Japanese medaka ( <i>Oryzias latipes</i> ) embryo-larval assays. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 13703-19	5.1	24
16	Environmental concentrations of irgarol, diuron and S-metolachlor induce deleterious effects on gametes and embryos of the Pacific oyster, <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , <b>2013</b> , 89, 1-8	3.3	64

15	Responses of juvenile European flounder ( <i>Platichthys flesus</i> ) to multistress in the Vilaine estuary, during a 6-month survey. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 676-89	5.1	7
14	Variation patterns in individual fish responses to chemical stress among estuaries, seasons and genders: the case of the European flounder ( <i>Platichthys flesus</i> ) in the Bay of Biscay. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 738-48	5.1	22
13	Histopathological lesions and DNA adducts in the liver of European flounder ( <i>Platichthys flesus</i> ) collected in the Seine estuary versus two reference estuarine systems on the French Atlantic coast. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 723-37	5.1	18
12	Development of a larval bioassay using the calanoid copepod, <i>Eurytemora affinis</i> to assess the toxicity of sediment-bound pollutants. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 94, 60-6	7	20
11	Transcriptional response of the mussel <i>Mytilus galloprovincialis</i> (Lam.) following exposure to heat stress and copper. <i>PLoS ONE</i> , <b>2013</b> , 8, e66802	3.7	71
10	Effects of copper and cadmium spiked-sediments on embryonic development of Japanese medaka ( <i>Oryzias latipes</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 79, 272-282	7	54
9	Embryotoxic and genotoxic effects of heavy metals and pesticides on early life stages of Pacific oyster ( <i>Crassostrea gigas</i> ). <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 2663-70	6.7	80
8	Detection of DNA damage in yolk-sac larvae of the Japanese Medaka, <i>Oryzias latipes</i> , by the comet assay. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 2235-42	4.4	26
7	A new spiked sediment assay using embryos of the Japanese medaka specifically designed for a reliable toxicity assessment of hydrophobic chemicals. <i>Aquatic Toxicology</i> , <b>2011</b> , 105, 235-45	5.1	35
6	Gene expression rhythms in the mussel <i>Mytilus galloprovincialis</i> (Lam.) across an annual cycle. <i>PLoS ONE</i> , <b>2011</b> , 6, e18904	3.7	82
5	Characterization of toxic effects of sediment-associated organic pollutants using the lambda transgenic medaka. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 7830-6	10.3	45
4	Molecular cloning of flounder Xp18, a newly identified highly conserved protein mainly expressed in the ovary. <i>Gene</i> , <b>2003</b> , 307, 13-21	3.8	3
3	cDNA cloning and expression analysis of flounder p53 tumour suppressor gene. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>1998</b> , 121, 235-42	2.3	22
2	Production of a polyclonal antibody raised against recombinant flounder p53 protein. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , <b>1998</b> , 120, 351-6		5
1	In vivo esterase activity in protoplasts as a bioassay of environmental quality. <i>Aquatic Botany</i> , <b>1994</b> , 48, 297-312	1.8	6