Ioanna Katsiadaki

List of Publications by Citations

90 papers	2,963 citations	32 h-index	52 g-index
93 ext. papers	3,281 ext. citations	5.1 avg, IF	4.71 L-index

#	Paper	IF	Citations
90	The European technical report on aquatic effect-based monitoring tools under the water framework directive. *Environmental Sciences Europe*, **2015**, 27,		151
89	Aquatic food security: insights into challenges and solutions from an analysis of interactions between fisheries, aquaculture, food safety, human health, fish and human welfare, economy and environment. *Fish and Fisheries*, **2016**, 17, 893-938	6	146
88	Identifying health impacts of exposure to copper using transcriptomics and metabolomics in a fish model. *Environmental Science & Technology*, **2010**, 44, 820-6	10.3	135
87	The Role of Omics in the Application of Adverse Outcome Pathways for Chemical Risk Assessment. *Toxicological Sciences*, **2017**, 158, 252-262	4.4	107
86	Detection of environmental androgens: A novel method based on enzyme-linked immunosorbent assay of spiggin, the stickleback (Gasterosteus aculeatus) glue protein. *Environmental Toxicology and Chemistry*, **2002**, 21, 1946-1954	3.8	101
85	Surveys of plasma vitellogenin and intersex in male flounder (Platichthys flesus) as measures of endocrine disruption by estrogenic contamination in United Kingdom estuaries: temporal trends, 1996 to 2001. *Environmental Toxicology and Chemistry*, **2004**, 23, 748-58	3.8	96
84	Adverse outcome pathway networks I: Development and applications. *Environmental Toxicology and Chemistry*, **2018**, 37, 1723-1733	3.8	87
83	Non-invasive measurement of 11-ketotestosterone, cortisol and androstenedione in male three-spined stickleback (Gasterosteus aculeatus). *General and Comparative Endocrinology*, **2007**, 152, 30-8	3	81
82	The potential of the three-spined stickleback (Gasterosteus aculeatus L.) as a combined biomarker for oestrogens and androgens in European waters. *Marine Environmental Research*, **2002**, 54, 725-8	3.3	81
81	Use of the three-spined stickleback (Gasterosteus aculeatus) as a sensitive in vivo test for detection of environmental antiandrogens. *Environmental Health Perspectives*, **2006**, 114 Suppl 1, 115-21	8.4	77
80	The impact of oestrogenic and androgenic contamination on marine organisms in the United Kingdom--summary of the EDMAR programme. Endocrine Disruption in the Marine Environment. *Marine Environmental Research*, **2002**, 54, 645-9	3.3	77
79	Towards a system level understanding of non-model organisms sampled from the environment: a network biology approach. *PLoS Computational Biology*, **2011**, 7, e1002126	5	76
78	Adverse outcome pathway networks II: Network analytics. *Environmental Toxicology and Chemistry*, **2018**, 37, 1734-1748	3.8	67
77	Hepatic transcriptomic and metabolomic responses in the stickleback (Gasterosteus aculeatus) exposed to environmentally relevant concentrations of dibenzanthracene. *Environmental Science & Technology*, **2009**, 43, 6341-8	10.3	67
76	Hepatic transcriptomic and metabolomic responses in the Stickleback (Gasterosteus aculeatus) exposed to ethinyl-estradiol. *Aquatic Toxicology*, **2010**, 97, 174-87	5.1	66
75	Ethoxyresorufin-O-deethylase (EROD) and vitellogenin (VTG) in flounder (Platichthys flesus): system interaction, crosstalk and implications for monitoring. *Aquatic Toxicology*, **2007**, 81, 233-44	5.1	64
74	The juvenile three-spined stickleback (Gasterosteus aculeatus L.) as a model organism for endocrine disruption II--kidney hypertrophy, vitellogenin and spiggin induction. *Aquatic Toxicology*, **2004**, 70, 311-26	5.1	64

73	Effects of 17alpha-ethynylestradiol on EROD activity, spiggin and vitellogenin in three-spined stickleback (Gasterosteus aculeatus). *Aquatic Toxicology*, **2007**, 83, 33-42	5.1	59
72	Detection of the anti-androgenic effect of endocrine disrupting environmental contaminants using in vivo and in vitro assays in the three-spined stickleback. *Aquatic Toxicology*, **2009**, 92, 228-39	5.1	54
71	The effects of 4-nonylphenol and atrazine on Atlantic salmon (Salmo salar L) smolts. *Aquaculture*, **2003**, 222, 253-263	4.4	54
70	Global genomic methylation levels in the liver and gonads of the three-spine stickleback (Gasterosteus aculeatus) after exposure to hexabromocyclododecane and 17-beta oestradiol. *Environment International*, **2008**, 34, 310-7	12.9	52
69	The model anti-androgen flutamide suppresses the expression of typical male stickleback reproductive behaviour. *Aquatic Toxicology*, **2008**, 90, 37-47	5.1	51
68	Vitellogenin in the blood plasma of male cod (Gadus morhua): a sign of oestrogenic endocrine disruption in the open sea?. *Marine Environmental Research*, **2006**, 61, 149-70	3.3	48
67	Biomarker responses in wild three-spined stickleback (Gasterosteus aculeatus L.) as a useful tool for freshwater biomonitoring: a multiparametric approach. *Environment International*, **2008**, 34, 490-8	12.9	44
66	Sustainable aquaculture through the One Health lens. *Nature Food*, **2020**, 1, 468-474	14.4	43
65	Evidence suggesting that di-n-butyl phthalate has antiandrogenic effects in fish. *Environmental Toxicology and Chemistry*, **2011**, 30, 1338-45	3.8	37
64	The organophosphorous pesticide, fenitrothion, acts as an anti-androgen and alters reproductive behavior of the male three-spined stickleback, Gasterosteus aculeatus. *Ecotoxicology*, **2009**, 18, 122-33	2.9	36
63	Relationship between sex steroid and vitellogenin concentrations in flounder (Platichthys flesus) sampled from an estuary contaminated with estrogenic endocrine-disrupting compounds. *Environmental Health Perspectives*, **2006**, 114 Suppl 1, 27-31	8.4	35
62	Evidence for estrogenic endocrine disruption in an offshore flatfish, the dab (Limanda limanda L.). *Marine Environmental Research*, **2007**, 64, 128-48	3.3	34
61	Development of a stickleback kidney cell culture assay for the screening of androgenic and anti-androgenic endocrine disrupters. *Aquatic Toxicology*, **2006**, 79, 158-66	5.1	33
60	Kinetics of vitellogenin protein and mRNA induction and depuration in fish following laboratory and environmental exposure to oestrogens. *Marine Environmental Research*, **2004**, 58, 419-23	3.3	33
59	Recommended approaches to the scientific evaluation of ecotoxicological hazards and risks of endocrine-active substances. *Integrated Environmental Assessment and Management*, **2017**, 13, 267-279	2.5	32
58	A cDNA microarray for the three-spined stickleback, Gasterosteus aculeatus L., and analysis of the interactive effects of oestradiol and dibenzanthracene exposures. *Journal of Fish Biology*, **2008**, 72, 2133-2153	1.9	32
57	Current limitations and recommendations to improve testing for the environmental assessment of endocrine active substances. *Integrated Environmental Assessment and Management*, **2017**, 13, 302-316	2.5	29
56	Reproductive potential of Schistocephalus solidus-infected male three-spined stickleback Gasterosteus aculeatus from two U.K. populations. *Journal of Fish Biology*, **2009**, 75, 2095-107	1.9	26

55	Estrogenic and androgenic effects of municipal wastewater effluent on reproductive endpoint biomarkers in three-spined stickleback (Gasterosteus aculeatus). *Environmental Toxicology and Chemistry*, **2009**, 28, 1063-71	3.8	26
54	Mussels (Mytilus spp.) display an ability for rapid and high capacity uptake of the vertebrate steroid, estradiol-17β from water. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 165, 407-420	5.1	24
53	Effects of sewage effluent remediation on body size, somatic RNA: DNA ratio, and markers of chemical exposure in three-spined sticklebacks. *Environment International*, **2011**, 37, 158-69	12.9	24
52	Prozac affects stickleback nest quality without altering androgen, spiggin or aggression levels during a 21-day breeding test. *Aquatic Toxicology*, **2015**, 168, 78-89	5.1	23
51	Detection of estrogenic activity in municipal wastewater effluent using primary cell cultures from three-spined stickleback and chemical analysis. *Chemosphere*, **2008**, 73, 1064-70	8.4	22
50	Flow regime affects building behaviour and nest structure in sticklebacks. *Behavioral Ecology and Sociobiology*, **2010**, 64, 1927-1935	2.5	21
49	Short-term exposure to a treated sewage effluent alters reproductive behaviour in the three-spined stickleback (Gasterosteus aculeatus). *Aquatic Toxicology*, **2011**, 105, 78-88	5.1	20
48	Variation in the reproductive potential of Schistocephalus infected male sticklebacks is associated with 11-ketotestosterone titre. *Hormones and Behavior*, **2011**, 60, 371-9	3.7	20
47	Piscine follicle-stimulating hormone triggers progestin production in gilthead seabream primary ovarian follicles. *Biology of Reproduction*, **2012**, 87, 111	3.9	19
46	Intercalibration exercise using a stickleback endocrine disrupter screening assay. *Environmental Toxicology and Chemistry*, **2008**, 27, 404-12	3.8	19
45	Rapid uptake, biotransformation, esterification and lack of depuration of testosterone and its metabolites by the common mussel, Mytilus spp. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 171, 54-65	5.1	18
44	Exposure of sticklebacks (Gasterosteus aculeatus) to cadmium sulfide nanoparticles: biological effects and the importance of experimental design. *Marine Environmental Research*, **2008**, 66, 161-3	3.3	18
43	Survey of estrogenic and androgenic disruption in Swedish coastal waters by the analysis of bile fluid from perch and biomarkers in the three-spined stickleback. *Marine Pollution Bulletin*, **2007**, 54, 1868-80	6.7	18
42	Further refinement of the non-invasive procedure for measuring steroid production in the male three-spined stickleback Gasterosteus aculeatus. *Journal of Fish Biology*, **2009**, 75, 2082-94	1.9	16
41	Construction of subtracted EST and normalised cDNA libraries from liver of chemical-exposed three-spined stickleback (Gasterosteus aculeatus) containing pollutant-responsive genes as a resource for transcriptome analysis. *Marine Environmental Research*, **2008**, 66, 127-30	3.3	16
40	Contrasting effects of hypoxia on copper toxicity during development in the three-spined stickleback (Gasterosteus aculeatus). *Environmental Pollution*, **2017**, 222, 433-443	9.3	14
39	Field surveys reveal the presence of anti-androgens in an effluent-receiving river using stickleback-specific biomarkers. *Aquatic Toxicology*, **2012**, 122-123, 75-85	5.1	14
38	Endocrine disruption and differential gene expression in sentinel fish on St. Lawrence Island, Alaska: Health implications for indigenous residents. *Environmental Pollution*, **2018**, 234, 279-287	9.3	13

37	Spiggin levels are reduced in male sticklebacks infected with Schistocephalus solidus. *Journal of Fish Biology*, **2007**, 71, 298-303	1.9	13
36	Detection of environmental androgens: a novel method based on enzyme-linked immunosorbent assay of spiggin, the stickleback (Gasterosteus aculeatus) glue protein. *Environmental Toxicology and Chemistry*, **2002**, 21, 1946-54	3.8	13
35	In vivo endocrine effects of naphthenic acids in fish. *Chemosphere*, **2013**, 93, 2356-64	8.4	12
34	Indices of stress in three-spined sticklebacks Gasterosteus aculeatus in relation to extreme weather events and exposure to wastewater effluent. *Journal of Fish Biology*, **2011**, 79, 256-79	1.9	12
33	Estrogen- and androgen-sensitive bioassays based on primary cell and tissue slice cultures from three-spined stickleback (Gasterosteus aculeatus). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2007**, 146, 431-42	3.2	12
32	Hepatic transcriptional responses to copper in the three-spined stickleback are affected by their pollution exposure history. *Aquatic Toxicology*, **2017**, 184, 26-36	5.1	11
31	Anti-androgens act jointly in suppressing spiggin concentrations in androgen-primed female three-spined sticklebacks - prediction of combined effects by concentration addition. *Aquatic Toxicology*, **2013**, 140-141, 145-56	5.1	11
30	. *Environmental Toxicology and Chemistry*, **2002**, 21, 1946	3.8	11
29	Uptake and metabolism of water-borne progesterone by the mussel, Mytilus spp. (Mollusca). *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 178, 13-21	5.1	9
28	Microarray analysis of di-n-butyl phthalate and 17□ethinyl-oestradiol responses in three-spined stickleback testes reveals novel candidate genes for endocrine disruption. *Ecotoxicology and Environmental Safety*, **2016**, 124, 96-104	7	9
27	Are marine invertebrates really at risk from endocrine-disrupting chemicals?. *Current Opinion in Environmental Science and Health*, **2019**, 11, 37-42	8.1	9
26	Tributyltin: Advancing the Science on Assessing Endocrine Disruption with an Unconventional Endocrine-Disrupting Compound. *Reviews of Environmental Contamination and Toxicology*, **2018**, 245, 65-127	3.5	8
25	Oestrogenic pollutants promote the growth of a parasite in male sticklebacks. *Aquatic Toxicology*, **2016**, 174, 92-100	5.1	7
24	Three-spined stickleback: an emerging model in environmental endocrine disruption. *Environmental Sciences: an International Journal of Environmental Physiology and Toxicology*, **2007**, 14, 263-83		7
23	Sublethal exposure to copper supresses the ability to acclimate to hypoxia in a model fish species. *Aquatic Toxicology*, **2019**, 217, 105325	5.1	6
22	Understanding and managing fish populations: keeping the toolbox fit for purpose. *Journal of Fish Biology*, **2018**, 92, 727-751	1.9	6
21	Differential sensitivity of flounder (Platichthys flesus) in response to oestrogenic chemical exposure: an issue for design and interpretation of monitoring and research programmes. *Marine Environmental Research*, **2006**, 62, 315-25	3.3	6
20	Unravelling paralogous gene expression dynamics during three-spined stickleback embryogenesis. *Scientific Reports*, **2019**, 9, 3752	4.9	5

19	Reducing repetition of regulatory vertebrate ecotoxicology studies. *Integrated Environmental Assessment and Management*, **2017**, 13, 955-957	2.5	5
18	Skin swabbing is a refined technique to collect DNA from model fish species. *Scientific Reports*, **2020**, 10, 18212	4.9	5
17	Comments on Niemuth, N.J. and Klaper, R.D. 2015. Emerging wastewater contaminant metformin causes intersex and reduced fecundity in fish. Chemosphere 135, 38-45. *Chemosphere*, **2016**, 165, 566-569	8.4	4
16	Assessment of reproductive biomarkers in three-spined stickleback (Gasterosteus aculeatus) from sewage effluent recipients. *Environmental Toxicology*, **2013**, 28, 229-37	4.2	4
15	Population bottlenecks, genetic diversity and breeding ability of the three-spined stickleback (Gasterosteus aculeatus) from three polluted English Rivers. *Aquatic Toxicology*, **2013**, 142-143, 264-71	5.1	4
14	Molecular cloning of two types of spiggin cDNA in the three-spined stickleback, Gasterosteus aculeatus. *Fish Physiology and Biochemistry*, **2003**, 28, 425	2.7	4
13	Data on the uptake and metabolism of the vertebrate steroid estradiol-17 from water by the common mussel, spp. *Data in Brief*, **2016**, 9, 956-965	1.2	4
12	Hormonal changes over the spawning cycle in the female three-spined stickleback, Gasterosteus aculeatus. *General and Comparative Endocrinology*, **2018**, 257, 97-105	3	4
11	Dying for change: A roadmap to refine the fish acute toxicity test after 40 years of applying a lethal endpoint. *Ecotoxicology and Environmental Safety*, **2021**, 223, 112585	7	4
10	Data on the uptake and metabolism of testosterone by the common mussel, spp. *Data in Brief*, **2017**, 12, 164-168	1.2	3
9	Application of Passive Sampling to Characterise the Fish Exometabolome. *Metabolites*, **2017**, 7,	5.6	3
8	A seafood risk tool for assessing and mitigating chemical and pathogen hazards in the aquaculture supply chain. *Nature Food*, **2022**, 3, 169-178	14.4	2
7	Insights into the development of hepatocellular fibrillar inclusions in European flounder (Platichthys flesus) from UK estuaries. *Chemosphere*, **2020**, 256, 126946	8.4	1
6	Hypoxia modifies the response to flutamide and linuron in male three-spined stickleback (Gasterosteus aculeatus). *Environmental Pollution*, **2020**, 263, 114326	9.3	1
5	SOCIAL AND REPRODUCTIVE BEHAVIORS | Sexual Behavior in Fish **2011**, 656-661		1
4	A chemometrical approach to study interactions between ethynylestradiol and an AhR-agonist in stickleback (Gasterosteus aculeatus). *Journal of Chemometrics*, **2010**, 24, 768-778	1.6	1
3	The Uptake of Ethinyl-Estradiol and Cortisol From Water by Mussels (spp.).. *Frontiers in Endocrinology*, **2021**, 12, 794623	5.7	0
2	Modeling the metabolic profile of Mytilus edulis reveals molecular signatures linked to gonadal development, sex and environmental site. *Scientific Reports*, **2021**, 11, 12882	4.9	

List of Publications

1 The housing, care, and use of a laboratory three-spined stickleback colony **2022**, 349-371