

Ronny van Aerle

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.

60
papers

3,567
citations

27
h-index

59
g-index

64
ext. papers

4,033
ext. citations

5.7
avg, IF

4.93
L-index

#	Paper	IF	Citations
60	Predicted exposures to steroid estrogens in U.K. rivers correlate with widespread sexual disruption in wild fish populations. <i>Environmental Health Perspectives</i> , 2006 , 114 Suppl 1, 32-9	8.4	409
59	Effects of aqueous exposure to silver nanoparticles of different sizes in rainbow trout. <i>Toxicological Sciences</i> , 2010 , 115, 521-34	4.4	265
58	Review: Do engineered nanoparticles pose a significant threat to the aquatic environment?. <i>Critical Reviews in Toxicology</i> , 2010 , 40, 653-70	5.7	244
57	Bioavailability of nanoscale metal oxides TiO(2), CeO(2), and ZnO to fish. <i>Environmental Science & Technology</i> , 2010 , 44, 1144-51	10.3	223
56	An in vivo testing system for endocrine disruptors in fish early life stages using induction of vitellogenin. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 337-347	3.8	207
55	Sexual disruption in a second species of wild cyprinid fish (the gudgeon, <i>Gobio gobio</i>) in United Kingdom Freshwaters. <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 2841-2847	3.8	183
54	Effects of 17alpha-ethinylestradiol in a fathead minnow (<i>Pimephales promelas</i>) gonadal recrudescence assay. <i>Ecotoxicology and Environmental Safety</i> , 2004 , 57, 330-45	7	181
53	Molecular mechanisms of toxicity of silver nanoparticles in zebrafish embryos. <i>Environmental Science & Technology</i> , 2013 , 47, 8005-14	10.3	164
52	Effects of atrazine on sex steroid dynamics, plasma vitellogenin concentration and gonad development in adult goldfish (<i>Carassius auratus</i>). <i>Aquatic Toxicology</i> , 2004 , 66, 369-79	5.1	142
51	Identifying health impacts of exposure to copper using transcriptomics and metabolomics in a fish model. <i>Environmental Science & Technology</i> , 2010 , 44, 820-6	10.3	135
50	The kisspeptin/gonadotropin-releasing hormone pathway and molecular signaling of puberty in fish. <i>Biology of Reproduction</i> , 2008 , 78, 278-89	3.9	135
49	Window of sensitivity for the estrogenic effects of ethinylestradiol in early life-stages of fathead minnow, <i>Pimephales promelas</i> . <i>Ecotoxicology</i> , 2002 , 11, 423-34	2.9	117
48	Bisphenol A causes reproductive toxicity, decreases dnmt1 transcription, and reduces global DNA methylation in breeding zebrafish (<i>Danio rerio</i>). <i>Epigenetics</i> , 2016 , 11, 526-38	5.7	114
47	Evidence for the existence of a functional Kiss1/Kiss1 receptor pathway in fish. <i>Peptides</i> , 2008 , 29, 57-64	3.8	99
46	Molecular Mechanisms of White Spot Syndrome Virus Infection and Perspectives on Treatments. <i>Viruses</i> , 2016 , 8,	6.2	97
45	High doses of intravenously administered titanium dioxide nanoparticles accumulate in the kidneys of rainbow trout but with no observable impairment of renal function. <i>Toxicological Sciences</i> , 2009 , 109, 372-80	4.4	85
44	Gonadal transcriptome responses and physiological consequences of exposure to oestrogen in breeding zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2007 , 83, 134-42	5.1	76

43	Global transcriptome profiling reveals molecular mechanisms of metal tolerance in a chronically exposed wild population of brown trout. <i>Environmental Science & Technology</i> , 2013 , 47, 8869-77	10.3	64
42	Near-future CO2 levels impair the olfactory system of a marine fish. <i>Nature Climate Change</i> , 2018 , 8, 737-743	21.4	50
41	Heart Regeneration in the Mexican Cavefish. <i>Cell Reports</i> , 2018 , 25, 1997-2007.e7	10.6	50
40	Sustainable aquaculture through the One Health lens. <i>Nature Food</i> , 2020 , 1, 468-474	14.4	43
39	Ontogeny of gonadal sex development relative to growth in fathead minnow. <i>Journal of Fish Biology</i> , 2004 , 64, 355-369	1.9	42
38	De novo assembly of the <i>Carcinus maenas</i> transcriptome and characterization of innate immune system pathways. <i>BMC Genomics</i> , 2015 , 16, 458	4.5	39
37	Genomic Variation and Evolution of ST36 over the Course of a Transcontinental Epidemic Expansion. <i>MBio</i> , 2017 , 8,	7.8	36
36	Development and validation of a homologous zebrafish (<i>Danio rerio</i> Hamilton-Buchanan) vitellogenin enzyme-linked immunosorbent assay (ELISA) and its application for studies on estrogenic chemicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2001 , 129, 217-32	3.2	34
35	A New Family of DNA Viruses Causing Disease in Crustaceans from Diverse Aquatic Biomes. <i>MBio</i> , 2020 , 11,	7.8	32
34	Bioavailability and Kidney Responses to Diclofenac in the Fathead Minnow (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2017 , 51, 1764-1774	10.3	30
33	The Segment Matters: Probable Reassortment of Tilapia Lake Virus (TiLV) Complicates Phylogenetic Analysis and Inference of Geographical Origin of New Isolate from Bangladesh. <i>Viruses</i> , 2020 , 12,	6.2	23
32	Endocrine (sexual) disruption is not a prominent feature in the pike (<i>Esox lucius</i>), a top predator, living in English waters. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1436-43	3.8	22
31	Sexual disruption in a second species of wild cyprinid fish (the gudgeon, <i>Gobio gobio</i>) in United Kingdom freshwaters. <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 2841-7	3.8	22
30	Assessment of cultured fish hepatocytes for studying cellular uptake and (eco)toxicity of nanoparticles. <i>Environmental Chemistry</i> , 2010 , 7, 36	3.2	20
29	Development and validation of a direct homologous quantitative sandwich ELISA for fathead minnow (<i>Pimephales promelas</i>) vitellogenin. <i>Aquatic Toxicology</i> , 2006 , 78, 202-6	5.1	18
28	Sex-specific transcription and DNA methylation profiles of reproductive and epigenetic associated genes in the gonads and livers of breeding zebrafish. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018 , 222, 16-25	2.6	14
27	In vivo virulence of viral haemorrhagic septicaemia virus (VHSV) in rainbow trout <i>Oncorhynchus mykiss</i> correlates inversely with in vitro Mx gene expression. <i>Veterinary Microbiology</i> , 2016 , 187, 31-40	3.3	14
26	<i>S</i> candidatus <i>Aquirickettsiella gammari</i> S(Gammaproteobacteria: Legionellales: Coxiellaceae): A bacterial pathogen of the freshwater crustacean <i>Gammarus fossarum</i> (Malacostraca: Amphipoda). <i>Journal of Invertebrate Pathology</i> , 2018 , 156, 41-53	2.6	13

25	Molecular Characterization of an Endozoicomonas-Like Organism Causing Infection in the King Scallop (<i>Pecten maximus</i> L.). <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	13
24	How do abiotic environmental conditions influence shrimp susceptibility to disease? A critical analysis focussed on White Spot Disease. <i>Journal of Invertebrate Pathology</i> , 2021 , 186, 107369	2.6	12
23	COMPRENDO: Focus and approach. <i>Environmental Health Perspectives</i> , 2006 , 114 Suppl 1, 98-100	8.4	12
22	An in vivo testing system for endocrine disruptors in fish early life stages using induction of vitellogenin 1999 , 18, 337		10
21	Membrane Trafficking Modulation during Entamoeba Encystation. <i>Scientific Reports</i> , 2017 , 7, 12854	4.9	9
20	The first clawed lobster virus Homarus gammarus nudivirus (HgNV n. sp.) expands the diversity of the Nudiviridae. <i>Scientific Reports</i> , 2019 , 9, 10086	4.9	9
19	Fish toxicogenomics. <i>Advances in Experimental Biology</i> , 2008 , 2, 75-325		9
18	Advances in the application of high-throughput sequencing in invertebrate virology. <i>Journal of Invertebrate Pathology</i> , 2017 , 147, 145-156	2.6	8
17	Whole Genome Sequencing of Hepatitis A Virus Using a PCR-Free Single-Molecule Nanopore Sequencing Approach. <i>Frontiers in Microbiology</i> , 2020 , 11, 874	5.7	6
16	The skin immune response of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), associated with puffy skin disease (PSD). <i>Fish and Shellfish Immunology</i> , 2018 , 78, 355-363	4.3	6
15	Puffy Skin Disease Is an Emerging Transmissible Condition in Rainbow Trout <i>Oncorhynchus mykiss</i> Walbaum. <i>PLoS ONE</i> , 2016 , 11, e0158151	3.7	5
14	Clozapine-induced transcriptional changes in the zebrafish brain. <i>NPJ Schizophrenia</i> , 2020 , 6, 3	5.5	5
13	A Novel RNA Virus, <i>Macrobrachium rosenbergii</i> Golda Virus (MrGV), Linked to Mass Mortalities of the Larval Giant Freshwater Prawn in Bangladesh. <i>Viruses</i> , 2020 , 12,	6.2	5
12	Draft Genome Sequence of <i>Stenotrophomonas maltophilia</i> SeITE02, a Gammaproteobacterium Isolated from Selenite-Contaminated Mining Soil. <i>Genome Announcements</i> , 2014 , 2,		4
11	Monoclonal antibody enzyme-linked immunosorbent assay to quantify vitellogenin for studies on environmental estrogens in the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Environmental Toxicology and Chemistry</i> , 2009 , 21, 47-54	3.8	2
10	ELISAs for detecting vitellogenin in the fathead minnow (<i>Pimephales promelas</i>)-a critical analysis. Response to Mylchreest et al., <i>Comp Biochem Physiol C</i> 134: 251-257, 2003. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004 , 138, 531-2; author reply 533-6	3.2	2
9	Global mRNA and miRNA Analysis Reveal Key Processes in the Initial Response to Infection with WSSV in the Pacific Whiteleg Shrimp. <i>Viruses</i> , 2021 , 13,	6.2	2
8	Identification and Full Characterisation of Two Novel Crustacean Infecting Members of the Family Provides Support for Two Subfamilies. <i>Viruses</i> , 2021 , 13,	6.2	2

7	A seafood risk tool for assessing and mitigating chemical and pathogen hazards in the aquaculture supply chain. <i>Nature Food</i> , 2022 , 3, 169-178	14.4	2
6	Bmp suppression in mangrove killifish embryos causes a split in the body axis. <i>PLoS ONE</i> , 2014 , 9, e84786	9.7	1
5	Txikispora philomaios n. sp., n. g., a Micro-Eukaryotic Pathogen of Amphipods, Reveals Parasitism and Hidden Diversity in Class Filasterea. <i>Journal of Eukaryotic Microbiology</i> , 2021 , e12875	3.6	0
4	Next-Generation Sequencing, Bioinformatics, and Infectious Diseases 2017 , 405-420		
3	Estrogenic Effects of Treated Sewage Effluent on Fish 2008 , 971-1002		
2	De novo transcriptome assembly of the Qatari pearl oyster <i>Pinctada imbricata radiata</i> . <i>Marine Genomics</i> , 2020 , 51, 100734	1.9	
1	Three Draft Genome Sequences of White Spot Syndrome Virus from India. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0057921	1.3	