

Ronny van Aerle

List of Publications by Year in Descending Order

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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 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | Three Draft Genome Sequences of White Spot Syndrome Virus from India. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0057921 | 1.3 | |
| 54 | 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 |
| 53 | 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 |
| 52 | A New Family of DNA Viruses Causing Disease in Crustaceans from Diverse Aquatic Biomes. <i>MBio</i> , 2020 , 11, | 7.8 | 32 |
| 51 | Clozapine-induced transcriptional changes in the zebrafish brain. <i>NPJ Schizophrenia</i> , 2020 , 6, 3 | 5.5 | 5 |
| 50 | De novo transcriptome assembly of the Qatari pearl oyster <i>Pinctada imbricata radiata</i> . <i>Marine Genomics</i> , 2020 , 51, 100734 | 1.9 | |
| 49 | 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 |
| 48 | Sustainable aquaculture through the One Health lens. <i>Nature Food</i> , 2020 , 1, 468-474 | 14.4 | 43 |
| 47 | The first clawed lobster virus <i>Homarus gammarus</i> nudivirus (HgNV n. sp.) expands the diversity of the Nudiviridae. <i>Scientific Reports</i> , 2019 , 9, 10086 | 4.9 | 9 |
| 46 | 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 |
| 45 | 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 |
| 44 | Near-future CO2 levels impair the olfactory system of a marine fish. <i>Nature Climate Change</i> , 2018 , 8, 737-743 | 21.4 | 50 |

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| 43 | <i>Candidatus 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 |
| 42 | 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 |
| 41 | Heart Regeneration in the Mexican Cavefish. <i>Cell Reports</i> , 2018 , 25, 1997-2007.e7 | 10.6 | 50 |
| 40 | 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 |
| 39 | Advances in the application of high-throughput sequencing in invertebrate virology. <i>Journal of Invertebrate Pathology</i> , 2017 , 147, 145-156 | 2.6 | 8 |
| 38 | Membrane Trafficking Modulation during <i>Entamoeba</i> Encystation. <i>Scientific Reports</i> , 2017 , 7, 12854 | 4.9 | 9 |
| 37 | Genomic Variation and Evolution of ST36 over the Course of a Transcontinental Epidemic Expansion. <i>MBio</i> , 2017 , 8, | 7.8 | 36 |
| 36 | Next-Generation Sequencing, Bioinformatics, and Infectious Diseases 2017 , 405-420 | | |
| 35 | 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 |
| 34 | Molecular Mechanisms of White Spot Syndrome Virus Infection and Perspectives on Treatments. <i>Viruses</i> , 2016 , 8, | 6.2 | 97 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Bmp suppression in mangrove killifish embryos causes a split in the body axis. <i>PLoS ONE</i> , 2014 , 9, e84786.7 | | 1 |
| 29 | Draft Genome Sequence of <i>Stenotrophomonas maltophilia</i> SeITE02, a Gammaproteobacterium Isolated from Selenite-Contaminated Mining Soil. <i>Genome Announcements</i> , 2014 , 2, | | 4 |
| 28 | Molecular mechanisms of toxicity of silver nanoparticles in zebrafish embryos. <i>Environmental Science & Technology</i> , 2013 , 47, 8005-14 | 10.3 | 164 |
| 27 | 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 |
| 26 | Assessment of cultured fish hepatocytes for studying cellular uptake and (eco)toxicity of nanoparticles. <i>Environmental Chemistry</i> , 2010 , 7, 36 | 3.2 | 20 |

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| 25 | Effects of aqueous exposure to silver nanoparticles of different sizes in rainbow trout. <i>Toxicological Sciences</i> , 2010 , 115, 521-34 | 4.4 | 265 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | Fish toxicogenomics. <i>Advances in Experimental Biology</i> , 2008 , 2, 75-325 | | 9 |
| 18 | Evidence for the existence of a functional Kiss1/Kiss1 receptor pathway in fish. <i>Peptides</i> , 2008 , 29, 57-64 | 3.8 | 99 |
| 17 | Estrogenic Effects of Treated Sewage Effluent on Fish 2008 , 971-1002 | | |
| 16 | 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 |
| 15 | 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 |
| 14 | COMPRENDO: Focus and approach. <i>Environmental Health Perspectives</i> , 2006 , 114 Suppl 1, 98-100 | 8.4 | 12 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | Ontogeny of gonadal sex development relative to growth in fathead minnow. <i>Journal of Fish Biology</i> , 2004 , 64, 355-369 | 1.9 | 42 |
| 9 | 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 |
| 8 | 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 |

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| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | An in vivo testing system for endocrine disruptors in fish early life stages using induction of vitellogenin 1999 , 18, 337 | | 10 |