

Quanyuan Wan

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,084
citations

430874

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414414

32
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41
all docs

41
docs citations

41
times ranked

947
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Teleost-Specific TLR19 Localizes to Endosome, Recognizes dsRNA, Recruits TRIF, Triggers both IFN and NF- κ B Pathways, and Protects Cells from Grass Carp Reovirus Infection. <i>Journal of Immunology</i> , 2018, 200, 573-585. | 0.8 | 90 |
| 2 | Transcriptome analysis of Pacific white shrimp (<i>Litopenaeus vannamei</i>) challenged by <i>Vibrio parahaemolyticus</i> reveals unique immune-related genes. <i>Fish and Shellfish Immunology</i> , 2018, 77, 164-174. | 3.6 | 82 |
| 3 | Neutralizing Aptamers Block S/RBD-ACE2 Interactions and Prevent Host Cell Infection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10273-10278. | 13.8 | 81 |
| 4 | Transcriptome analysis provides insights into the regulatory function of alternative splicing in antiviral immunity in grass carp (<i>Ctenopharyngodon idella</i>). <i>Scientific Reports</i> , 2015, 5, 12946. | 3.3 | 73 |
| 5 | Bioinformatics analysis of organizational and expressional characterizations of the IFNs, IRFs and CRFBs in grass carp <i>Ctenopharyngodon idella</i> . <i>Developmental and Comparative Immunology</i> , 2016, 61, 97-106. | 2.3 | 57 |
| 6 | Pattern recognition receptors in grass carp <i>Ctenopharyngodon idella</i> : I. Organization and expression analysis of TLRs and RLRs. <i>Developmental and Comparative Immunology</i> , 2017, 76, 93-104. | 2.3 | 56 |
| 7 | ROS-induced HSP70 promotes cytoplasmic translocation of high-mobility group box 1b and stimulates antiviral autophagy in grass carp kidney cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 17387-17401. | 3.4 | 50 |
| 8 | Antibacterial activity of hemocyanin from red swamp crayfish (<i>Procambarus clarkii</i>). <i>Fish and Shellfish Immunology</i> , 2018, 75, 391-399. | 3.6 | 44 |
| 9 | MDA5 Induces a Stronger Interferon Response than RIG-I to GCRV Infection through a Mechanism Involving the Phosphorylation and Dimerization of IRF3 and IRF7 in CIK Cells. <i>Frontiers in Immunology</i> , 2017, 8, 189. | 4.8 | 39 |
| 10 | Grass Carp Laboratory of Genetics and Physiology 2 Serves As a Negative Regulator in Retinoic Acid-Inducible Gene I- and Melanoma Differentiation-Associated Gene 5-Mediated Antiviral Signaling in Resting State and Early Stage of Grass Carp Reovirus Infection. <i>Frontiers in Immunology</i> , 2017, 8, 352. | 4.8 | 39 |
| 11 | Functional Characterizations of RIG-I to GCRV and Viral/Bacterial PAMPs in Grass Carp <i>Ctenopharyngodon idella</i> . <i>PLoS ONE</i> , 2012, 7, e42182. | 2.5 | 38 |
| 12 | Identification, expression profiling of a grass carp TLR8 and its inhibition leading to the resistance to reovirus in CIK cells. <i>Developmental and Comparative Immunology</i> , 2013, 41, 82-93. | 2.3 | 30 |
| 13 | Oligonucleotide aptamers for pathogen detection and infectious disease control. <i>Theranostics</i> , 2021, 11, 9133-9161. | 10.0 | 30 |
| 14 | Genomic organization, promoter activity of grass carp MDA5 and the association of its polymorphisms with susceptibility/resistance to grass carp reovirus. <i>Molecular Immunology</i> , 2012, 50, 236-243. | 2.2 | 27 |
| 15 | Co-infections of infectious spleen and kidney necrosis virus and <i>Siniperca chuatsi</i> rhabdovirus in Chinese perch (<i>Siniperca chuatsi</i>). <i>Microbial Pathogenesis</i> , 2017, 111, 422-430. | 2.9 | 25 |
| 16 | A systematic investigation on the composition, evolution and expression characteristics of chemokine superfamily in grass carp <i>Ctenopharyngodon idella</i> . <i>Developmental and Comparative Immunology</i> , 2018, 82, 72-82. | 2.3 | 22 |
| 17 | Targeted immunotherapy of triple-negative breast cancer by aptamer-engineered NK cells. <i>Biomaterials</i> , 2022, 280, 121259. | 11.4 | 20 |
| 18 | SNP detection of TLR8 gene, association study with susceptibility/resistance to GCRV and regulation on mRNA expression in grass carp, <i>Ctenopharyngodon idella</i> . <i>Fish and Shellfish Immunology</i> , 2015, 43, 1-12. | 3.6 | 18 |

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|----|--|----------|-----------|
| 19 | CpA/CpG methylation of CiMDA5 possesses tight association with the resistance against GCRV and negatively regulates mRNA expression in grass carp, <i>Ctenopharyngodon idella</i> . <i>Developmental and Comparative Immunology</i> , 2015, 48, 86-94. | 2.3 | 18 |
| 20 | DNA methylation of CiRIG-I gene notably relates to the resistance against GCRV and negatively-regulates mRNA expression in grass carp, <i>Ctenopharyngodon idella</i> . <i>Immunobiology</i> , 2016, 221, 23-30. | 1.9 | 18 |
| 21 | Large-scale SNP screenings identify markers linked with GCRV resistant traits through transcriptomes of individuals and cell lines in <i>Ctenopharyngodon idella</i> . <i>Scientific Reports</i> , 2017, 7, 1184. | 3.3 | 18 |
| 22 | The systematic identification and mRNA expression profiles post viral or bacterial challenge of complement system in grass carp <i>Ctenopharyngodon idella</i> . <i>Fish and Shellfish Immunology</i> , 2019, 86, 107-115. | 3.6 | 17 |
| 23 | Genetic structure, polymorphism identification of LCP2 gene and their relationship with the resistance/susceptibility to GCRV in grass carp, <i>Ctenopharyngodon idella</i> . <i>Gene</i> , 2013, 521, 166-175. | 2.2 | 15 |
| 24 | Grass carp SARM1 and its two splice variants negatively regulate IFN-I response and promote cell death upon GCRV infection at different subcellular locations. <i>Developmental and Comparative Immunology</i> , 2015, 48, 102-115. | 2.3 | 15 |
| 25 | Neutralizing Aptamers Block S/RBD-ACE2 Interactions and Prevent Host Cell Infection. <i>Angewandte Chemie</i> , 2021, 133, 10361-10366. | 2.0 | 15 |
| 26 | Genomic sequence comparison, promoter activity, SNP detection of RIG-I gene and association with resistance/susceptibility to grass carp reovirus in grass carp (<i>Ctenopharyngodon idella</i>). <i>Developmental and Comparative Immunology</i> , 2013, 39, 333-342. | 2.3 | 14 |
| 27 | The destiny of the resistance/susceptibility against GCRV is controlled by epigenetic mechanisms in CLK cells. <i>Scientific Reports</i> , 2017, 7, 4551. | 3.3 | 14 |
| 28 | Gene-based polymorphisms, genomic organization of interferon- β promoter stimulator 1 (IPS-1) gene and association study with the natural resistance to grass carp reovirus in grass carp <i>Ctenopharyngodon idella</i> . <i>Developmental and Comparative Immunology</i> , 2013, 41, 756-765. | 2.3 | 13 |
| 29 | CpG methylation in the 5'-flanking region of LCP2 gene lacks association with resistance/susceptibility to GCRV but contributes to the differential expression between muscle and spleen tissues in grass carp, <i>Ctenopharyngodon idella</i> . <i>Fish and Shellfish Immunology</i> , 2014, 40, 154-163. | 3.6 | 13 |
| 30 | Aptamers with Self-Loading Drug Payload and pH-Controlled Drug Release for Targeted Chemotherapy. <i>Pharmaceutics</i> , 2021, 13, 1221. | 4.5 | 10 |
| 31 | Correlation between grass carp (<i>Ctenopharyngodon idella</i>) resistance to grass carp reovirus and the genetic insert-deletion polymorphisms in promoter and intron of RIG-I gene. <i>Gene</i> , 2013, 516, 320-327. | 2.2 | 9 |
| 32 | Aptamer Cocktail to Detect Multiple Species of <i>Mycoplasma</i> in Cell Culture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3784. | 4.1 | 9 |
| 33 | A 15 nucleotide deletion mutation in coding region of the RIG-I lowers grass carp (<i>Ctenopharyngodon idella</i>) resistance to grass carp reovirus. <i>Journal of Fish Diseases</i> , 2015, 38, 1078-1084. | 0.784314 | 3.6 |
| 34 | Identification and expression of the laboratory of genetics and physiology 2 gene in common carp (<i>Cyprinus carpio</i>). <i>Journal of Fish Biology</i> , 2015, 86, 74-91. | 1.6 | 8 |
| 35 | The RAG2 gene of yellow catfish (<i>Tachysurus fulvidraco</i>) and its immune response against <i>Edwardsiella ictaluri</i> infection. <i>Developmental and Comparative Immunology</i> , 2019, 98, 65-75. | 2.3 | 8 |
| 36 | Aptamer-armed nanostructures improve the chemotherapy outcome of triple-negative breast cancer. <i>Molecular Therapy</i> , 2022, 30, 2242-2256. | 8.2 | 8 |

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|----|---|-----|-----------|
| 37 | Bacterial features in tilapia (<i>Oreochromis niloticus</i>) and environments in a goose-tilapia polyculture model. <i>Aquaculture</i> , 2018, 497, 313-319. | 3.5 | 7 |
| 38 | Transferrin Receptor 1-Associated Iron Accumulation and Oxidative Stress Provides a Way for Grass Carp to Fight against Reovirus Infection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5857. | 4.1 | 7 |
| 39 | Aptamer Targets Triple-Negative Breast Cancer through Specific Binding to Surface CD49c. <i>Cancers</i> , 2022, 14, 1570. | 3.7 | 7 |
| 40 | Aptamer-Gemcitabine Conjugates with Enzymatically Cleavable Linker for Targeted Delivery and Intracellular Drug Release in Cancer Cells. <i>Pharmaceuticals</i> , 2022, 15, 558. | 3.8 | 7 |
| 41 | SNP-based susceptibility-resistance association and mRNA expression regulation analyses of <i>tlr7</i> to grass carp <i>Ctenopharyngodon idella</i> reovirus. <i>Journal of Fish Biology</i> , 2018, 92, 1505-1525. | 1.6 | 5 |