

Jesu Arockiaraj

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

3,724
citations

147566

31
h-index

243296

44
g-index

177
all docs

177
docs citations

177
times ranked

2540
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Gut microbiota metagenomics in aquaculture: factors influencing gut microbiome and its physiological role in fish. <i>Reviews in Aquaculture</i> , 2020, 12, 1903-1927. | 4.6 | 213 |
| 2 | Crustin, a WAP domain containing antimicrobial peptide from freshwater prawn <i>Macrobrachium rosenbergii</i> : Immune characterization. <i>Fish and Shellfish Immunology</i> , 2013, 34, 109-118. | 1.6 | 72 |
| 3 | Effect of dietary astaxanthin against <i>Aeromonas hydrophila</i> infection in common carp, <i>Cyprinus carpio</i> . <i>Fish and Shellfish Immunology</i> , 2014, 41, 674-680. | 1.6 | 70 |
| 4 | A novel antimicrobial peptide derived from fish goose type lysozyme disrupts the membrane of <i>Salmonella enterica</i> . <i>Molecular Immunology</i> , 2015, 68, 421-433. | 1.0 | 58 |
| 5 | Molecular mechanism of down-regulating adipogenic transcription factors in 3T3-L1 adipocyte cells by bioactive anti-adipogenic compounds. <i>Molecular Biology Reports</i> , 2021, 48, 743-761. | 1.0 | 58 |
| 6 | Intracellular ROS scavenging and antioxidant regulation of WL15 from cysteine and glycine-rich protein 2 demonstrated in zebrafish in vivo model. <i>Developmental and Comparative Immunology</i> , 2021, 114, 103863. | 1.0 | 56 |
| 7 | Fish lily type lectin-1 contains β^2 -prism architecture: Immunological characterization. <i>Molecular Immunology</i> , 2013, 56, 497-506. | 1.0 | 55 |
| 8 | Molecular importance of prawn large heat shock proteins 60, 70 and 90. <i>Fish and Shellfish Immunology</i> , 2016, 48, 228-238. | 1.6 | 54 |
| 9 | An unconventional antimicrobial protein histone from freshwater prawn <i>Macrobrachium rosenbergii</i> : Analysis of immune properties. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1511-1522. | 1.6 | 53 |
| 10 | <i>Macrobrachium rosenbergii</i> cathepsin L: Molecular characterization and gene expression in response to viral and bacterial infections. <i>Microbiological Research</i> , 2013, 168, 569-579. | 2.5 | 53 |
| 11 | Gene profiling and characterization of arginine kinase-1 (MrAK-1) from freshwater giant prawn (<i>Macrobrachium rosenbergii</i>). <i>Fish and Shellfish Immunology</i> , 2011, 31, 81-89. | 1.6 | 52 |
| 12 | Multifunctional murrel caspase 1, 2, 3, 8 and 9: Conservation, uniqueness and their pathogen-induced expression pattern. <i>Fish and Shellfish Immunology</i> , 2016, 49, 493-504. | 1.6 | 51 |
| 13 | Molecular cloning, characterization and gene expression of an antioxidant enzyme catalase (MrCat) from <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2012, 32, 670-682. | 1.6 | 47 |
| 14 | Protective effect of chitin and chitosan enriched diets on immunity and disease resistance in <i>Cirrhina mrigala</i> against <i>Aphanomyces invadans</i> . <i>Fish and Shellfish Immunology</i> , 2014, 39, 378-385. | 1.6 | 46 |
| 15 | Transcriptome changes of blue-green algae, <i>Arthrospira</i> sp. in response to sulfate stress. <i>Algal Research</i> , 2017, 23, 96-103. | 2.4 | 46 |
| 16 | Oxidative stress induced antioxidant and neurotoxicity demonstrated in vivo zebrafish embryo or larval model and their normalization due to morin showing therapeutic implications. <i>Life Sciences</i> , 2021, 283, 119864. | 2.0 | 44 |
| 17 | Design and characterization of a novel <i>Arthrospira platensis</i> glutathione oxido-reductase-derived antioxidant peptide GM15 and its potent anti-cancer activity via caspase-9 mediated apoptosis in oral cancer cells. <i>Free Radical Biology and Medicine</i> , 2019, 135, 198-209. | 1.3 | 43 |
| 18 | Immune response and disease resistance of carotenoids supplementation diet in <i>Cyprinus carpio</i> against <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2014, 40, 9-13. | 1.6 | 42 |

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|----|--|-----|-----------|
| 19 | Radical scavenging property of a novel peptide derived from C-terminal SOD domain of superoxide dismutase enzyme in <i>Arthrospira platensis</i> . <i>Algal Research</i> , 2018, 35, 519-529. | 2.4 | 41 |
| 20 | Immunological role of thiol-dependent peroxiredoxin gene in <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 121-129. | 1.6 | 40 |
| 21 | Effect of Probiotics on Growth Performance of Koi Carp (<i>Cyprinus carpio</i>). <i>Journal of Applied Aquaculture</i> , 2010, 22, 202-209. | 0.7 | 38 |
| 22 | The Role of Lectins in Finfish: A Review. <i>Reviews in Fisheries Science and Aquaculture</i> , 2019, 27, 152-169. | 5.1 | 38 |
| 23 | An upstream initiator caspase 10 of snakehead murrel <i>Channa striatus</i> , containing DED, p20 and p10 subunits: Molecular cloning, gene expression and proteolytic activity. <i>Fish and Shellfish Immunology</i> , 2013, 34, 505-513. | 1.6 | 37 |
| 24 | Toxicity of Buprofezin on the Survival of Embryo and Larvae of African Catfish, <i>Clarias gariepinus</i> (Bloch). <i>PLoS ONE</i> , 2013, 8, e75545. | 1.1 | 37 |
| 25 | A novel murrel <i>Channa striatus</i> mitochondrial manganese superoxide dismutase: gene silencing, SOD activity, superoxide anion production and expression. <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1937-1955. | 0.9 | 36 |
| 26 | <i>Macrobrachium rosenbergii</i> mannose binding lectin: Synthesis of MrMBL-N20 and MrMBL-C16 peptides and their antimicrobial characterization, bioinformatics and relative gene expression analysis. <i>Fish and Shellfish Immunology</i> , 2015, 43, 364-374. | 1.6 | 36 |
| 27 | 6- <i>Gingerol</i> and Semisynthetic 6- <i>Gingerdione</i> Counteract Oxidative Stress Induced by ROS in Zebrafish. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100650. | 1.0 | 36 |
| 28 | Insulin signaling pathway assessment by enhancing antioxidant activity due to morin using in vitro rat skeletal muscle L6 myotubes cells. <i>Molecular Biology Reports</i> , 2021, 48, 5857-5872. | 1.0 | 35 |
| 29 | Hydroxyl containing benzo[b]thiophene analogs mitigates the acrylamide induced oxidative stress in the zebrafish larvae by stabilizing the glutathione redox cycle. <i>Life Sciences</i> , 2022, 298, 120507. | 2.0 | 35 |
| 30 | Effect of infectious hypodermal and haematopoietic necrosis virus (IHNV) infection on caspase 3c expression and activity in freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2012, 32, 161-169. | 1.6 | 34 |
| 31 | Comparative analysis of CsCu/ZnSOD defense role by molecular characterization: Gene expression-enzyme activity-protein level. <i>Gene</i> , 2015, 564, 53-62. | 1.0 | 34 |
| 32 | Assessment of samarium biosorption from aqueous solution by brown macroalga <i>Turbinaria conoides</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 74, 113-120. | 2.7 | 34 |
| 33 | Bacterial membrane binding and pore formation abilities of carbohydrate recognition domain of fish lectin. <i>Developmental and Comparative Immunology</i> , 2017, 67, 202-212. | 1.0 | 34 |
| 34 | Embryonic exposure to butylparaben and propylparaben induced developmental toxicity and triggered anxiety-like neurobehavioral response associated with oxidative stress and apoptosis in the head of zebrafish larvae. <i>Environmental Toxicology</i> , 2022, 37, 1988-2004. | 2.1 | 34 |
| 35 | Piscidin, Fish Antimicrobial Peptide: Structure, Classification, Properties, Mechanism, Gene Regulation and Therapeutical Importance. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 91-107. | 0.9 | 33 |
| 36 | A novel prophenoloxidase, hemocyanin encoded copper containing active enzyme from prawn: Gene characterization. <i>Gene</i> , 2013, 524, 139-151. | 1.0 | 31 |

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|----|---|-----|-----------|
| 37 | A comparative transcriptome approach for identification of molecular changes in <i>Aphanomyces invadans</i> infected <i>Channa striatus</i> . <i>Molecular Biology Reports</i> , 2018, 45, 2511-2523. | 1.0 | 31 |
| 38 | Molecular process of glucose uptake and glycogen storage due to hamamelitannin via insulin signalling cascade in glucose metabolism. <i>Molecular Biology Reports</i> , 2020, 47, 6727-6740. | 1.0 | 31 |
| 39 | Tryptophan-tagged peptide from serine threonine-protein kinase of <i>Channa striatus</i> improves antioxidant defence in L6 myotubes and attenuates caspase 3-dependent apoptotic response in zebrafish larvae. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 293-311. | 0.9 | 31 |
| 40 | Deteriorating insulin resistance due to WL15 peptide from cysteine and glycine-rich protein 2 in high glucose-induced rat skeletal muscle L6 cells. <i>Cell Biology International</i> , 2021, 45, 1698-1709. | 1.4 | 31 |
| 41 | Dietary supplementation of <i>Avicennia marina</i> extract on immune protection and disease resistance in <i>Amphiprion sebae</i> against <i>Vibrio alginolyticus</i> . <i>Fish and Shellfish Immunology</i> , 2015, 45, 52-58. | 1.6 | 30 |
| 42 | Caveolin1/protein arginine methyltransferase1/sirtuin1 axis as a potential target against endothelial dysfunction. <i>Pharmacological Research</i> , 2017, 119, 1-11. | 3.1 | 30 |
| 43 | Amelioration of acrylamide induced neurotoxicity by benzo[b]thiophene analogs via glutathione redox dynamics in zebrafish larvae. <i>Brain Research</i> , 2022, 1788, 147941. | 1.1 | 30 |
| 44 | A cytosolic glutathione s-transferase, GST-theta from freshwater prawn <i>Macrobrachium rosenbergii</i> : molecular and biochemical properties. <i>Gene</i> , 2014, 546, 437-442. | 1.0 | 29 |
| 45 | Pellino-1 derived cationic antimicrobial prawn peptide: Bactericidal activity, toxicity and mode of action. <i>Molecular Immunology</i> , 2016, 78, 171-182. | 1.0 | 29 |
| 46 | Mono- and multi-component biosorption of lead(II), cadmium(II), copper(II) and nickel(II) ions onto coco-peat biomass. <i>Separation Science and Technology</i> , 2016, 51, 2725-2733. | 1.3 | 29 |
| 47 | Dietary supplementation of Zeolite on growth performance, immunological role, and disease resistance in <i>Channa striatus</i> against <i>Aphanomyces invadans</i> . <i>Fish and Shellfish Immunology</i> , 2016, 51, 161-169. | 1.6 | 29 |
| 48 | GR15 peptide of S-adenosylmethionine synthase (SAME) from <i>Arthrospira platensis</i> demonstrated antioxidant mechanism against H ₂ O ₂ induced oxidative stress in in-vitro MDCK cells and in-vivo zebrafish larvae model. <i>Journal of Biotechnology</i> , 2021, 342, 79-91. | 1.9 | 29 |
| 49 | Identification and characterization of the novel bioactive compounds from microalgae and cyanobacteria for pharmaceutical and nutraceutical applications. <i>Journal of Basic Microbiology</i> , 2022, 62, 999-1029. | 1.8 | 29 |
| 50 | Anti-inflammatory role demonstrated both in vitro and in vivo models using nonsteroidal tetranortriterpenoid, Nimbin (N1) and its analogs (N2 and N3) that alleviate the domestication of alternative medicine. <i>Cell Biology International</i> , 2022, 46, 771-791. | 1.4 | 29 |
| 51 | Lipid-Lowering and Antioxidant Activity of RF13 Peptide From Vacuolar Protein Sorting-Associated Protein 26B (VPS26B) by Modulating Lipid Metabolism and Oxidative Stress in HFD Induced Obesity in Zebrafish Larvae. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1. | 0.9 | 29 |
| 52 | Immunological role of C4 CC chemokine-1 from snakehead murrel <i>Channa striatus</i> . <i>Molecular Immunology</i> , 2014, 57, 292-301. | 1.0 | 28 |
| 53 | Extracellular Biosynthesis, Characterization and Antibacterial Activity of Silver Nanoparticles Synthesized by <i>Bacillus subtilis</i> (NCIM 2266). <i>Journal of Bionanoscience</i> , 2014, 8, 21-27. | 0.4 | 28 |
| 54 | Natural products from polar organisms: Structural diversity, bioactivities and potential pharmaceutical applications. <i>Polar Science</i> , 2018, 18, 147-166. | 0.5 | 28 |

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|----|---|-----|-----------|
| 55 | Antioxidant molecular mechanism of adenosyl homocysteinase from cyanobacteria and its wound healing process in fibroblast cells. <i>Molecular Biology Reports</i> , 2020, 47, 1821-1834. | 1.0 | 28 |
| 56 | Prophenoloxidase activating enzyme-III from giant freshwater prawn <i>Macrobrachium rosenbergii</i> : characterization, expression and specific enzyme activity. <i>Molecular Biology Reports</i> , 2012, 39, 1377-1386. | 1.0 | 27 |
| 57 | Efficacy of ulvan on immune response and immuno-antioxidant gene modulation in <i>Labeo rohita</i> against columnaris disease. <i>Fish and Shellfish Immunology</i> , 2021, 117, 262-273. | 1.6 | 27 |
| 58 | Neuroprotective and antioxidant capability of RW20 peptide from histone acetyltransferases caused by oxidative stress-induced neurotoxicity in in vivo zebrafish larval model. <i>Journal of King Saud University - Science</i> , 2022, 34, 101861. | 1.6 | 27 |
| 59 | A novel single-domain peptide, anti-LPS factor from prawn: Synthesis of peptide, antimicrobial properties and complete molecular characterization. <i>Peptides</i> , 2014, 53, 79-88. | 1.2 | 26 |
| 60 | NV14 from serine acetyltransferase of cyanobacteria influences the antioxidant enzymes in vitro cells, gene expression against H ₂ O ₂ and other responses in vivo zebrafish larval model. <i>Cell Biology International</i> , 2021, 45, 2331-2346. | 1.4 | 26 |
| 61 | Reverse pharmacology of Nimbin-N2 attenuates alcoholic liver injury and promotes the hepatoprotective dual role of improving lipid metabolism and downregulating the levels of inflammatory cytokines in zebrafish larval model. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2387-2401. | 1.4 | 25 |
| 62 | Protective efficacy of Azomite enriched diet in <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i> . <i>Aquaculture</i> , 2016, 451, 310-315. | 1.7 | 24 |
| 63 | Bactericidal activity of fish galectin 4 derived membrane-binding peptide tagged with oligotryptophan. <i>Developmental and Comparative Immunology</i> , 2017, 71, 37-48. | 1.0 | 24 |
| 64 | Bactericidal and fungistatic activity of peptide derived from GH18 domain of prawn chitinase 3 and its immunological functions during biological stress. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1014-1022. | 3.6 | 24 |
| 65 | A mini review on immune role of chemokines and its receptors in snakehead murrel <i>Channa striatus</i> . <i>Fish and Shellfish Immunology</i> , 2018, 72, 670-678. | 1.6 | 24 |
| 66 | A murrel cysteine protease, cathepsin L: bioinformatics characterization, gene expression and proteolytic activity. <i>Biologia (Poland)</i> , 2014, 69, 395-406. | 0.8 | 23 |
| 67 | Functional roles and gene regulation of tumor necrosis factor receptor 1 in freshwater striped murrel. <i>Molecular Immunology</i> , 2015, 66, 240-252. | 1.0 | 23 |
| 68 | Molecular and functional roles of 6C CC chemokine 19 in defense system of striped murrel <i>Channa striatus</i> . <i>Fish and Shellfish Immunology</i> , 2015, 45, 817-827. | 1.6 | 23 |
| 69 | Gene expression and in silico analysis of snakehead murrel interleukin 8 and antimicrobial activity of C-terminal derived peptide WS12. <i>Veterinary Immunology and Immunopathology</i> , 2017, 190, 1-9. | 0.5 | 23 |
| 70 | A Cumulative Strategy to Predict and Characterize Antimicrobial Peptides (AMPs) from Protein Database. <i>International Journal of Peptide Research and Therapeutics</i> , 2017, 23, 281-290. | 0.9 | 23 |
| 71 | Molecular characterization of a novel proto-type antimicrobial protein galectin-1 from striped murrel. <i>Microbiological Research</i> , 2014, 169, 824-834. | 2.5 | 22 |
| 72 | In-silico analysis and mRNA modulation of detoxification enzymes GST delta and kappa against various biotic and abiotic oxidative stressors. <i>Fish and Shellfish Immunology</i> , 2016, 54, 353-363. | 1.6 | 22 |

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|----|---|-----|-----------|
| 73 | Impacts of environmental and biological stressors on immune system of <i>Macrobrachium rosenbergii</i> . <i>Reviews in Aquaculture</i> , 2017, 9, 283-307. | 4.6 | 22 |
| 74 | Intracellular free radical scavenging activity and protective role of mammalian cells by antioxidant peptide from thioredoxin disulfide reductase of <i>Arthrospira platensis</i> . <i>Journal of Functional Foods</i> , 2019, 61, 103513. | 1.6 | 22 |
| 75 | Immune role of MrNF β 1 α , an I β B family member characterized in prawn <i>M. rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 619-625. | 1.6 | 21 |
| 76 | Gene expression and functional studies of small heat shock protein 37 (MrHSP37) from <i>Macrobrachium rosenbergii</i> challenged with infectious hypodermal and hematopoietic necrosis virus (IHHNV). <i>Molecular Biology Reports</i> , 2012, 39, 6671-6682. | 1.0 | 21 |
| 77 | A prawn transglutaminase: Molecular characterization and biochemical properties. <i>Biochimie</i> , 2013, 95, 2354-2364. | 1.3 | 20 |
| 78 | A prawn core histone 4: Derivation of N- and C-terminal peptides and their antimicrobial properties, molecular characterization and mRNA transcription. <i>Microbiological Research</i> , 2015, 170, 78-86. | 2.5 | 20 |
| 79 | Coagulation profile, gene expression and bioinformatics characterization of coagulation factor X of striped murrel <i>Channa striatus</i> . <i>Fish and Shellfish Immunology</i> , 2016, 55, 149-158. | 1.6 | 20 |
| 80 | In utero exposure to endocrine-disrupting chemicals, maternal factors and alterations in the epigenetic landscape underlying later-life health effects. <i>Environmental Toxicology and Pharmacology</i> , 2022, 89, 103779. | 2.0 | 20 |
| 81 | Effect of Shilajit enriched diet on immunity, antioxidants, and disease resistance in <i>Macrobrachium rosenbergii</i> (de Man) against <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2016, 57, 293-300. | 1.6 | 19 |
| 82 | Pathogenic bacterial toxins and virulence influences in cultivable fish. <i>Aquaculture Research</i> , 2021, 52, 2361-2376. | 0.9 | 19 |
| 83 | Bioinformatic characterization and gene expression pattern of apoptosis inhibitor from <i>Macrobrachium rosenbergii</i> challenged with infectious hypodermal and hematopoietic necrosis virus. <i>Fish and Shellfish Immunology</i> , 2011, 31, 1259-1267. | 1.6 | 18 |
| 84 | A murrel interferon regulatory factor-1: molecular characterization, gene expression and cell protection activity. <i>Molecular Biology Reports</i> , 2014, 41, 5299-5309. | 1.0 | 18 |
| 85 | Fish chemokines 14, 20 and 25: A comparative statement on computational analysis and mRNA regulation upon pathogenic infection. <i>Fish and Shellfish Immunology</i> , 2015, 47, 221-230. | 1.6 | 18 |
| 86 | An anti-apoptotic B-cell lymphoma-2 (BCL-2) from <i>Channa striatus</i> : Sequence analysis and delayed and advanced gene expression in response to fungal, bacterial and poly I:C induction. <i>Molecular Immunology</i> , 2015, 63, 586-594. | 1.0 | 18 |
| 87 | Therapeutic Cationic Antimicrobial Peptide (CAP) Derived from Fish Aspartic Proteinase Cathepsin D and its Antimicrobial Mechanism. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 93-105. | 0.9 | 18 |
| 88 | Evidence-based hormonal, mutational, and endocrine-disrupting chemical-induced zebrafish as an alternative model to study PCOS condition similar to mammalian PCOS model. <i>Life Sciences</i> , 2022, 291, 120276. | 2.0 | 18 |
| 89 | Investigation of interspecies crosstalk between probiotic <i>Bacillus subtilis</i> BR4 and <i>Pseudomonas aeruginosa</i> using metabolomics analysis. <i>Microbial Pathogenesis</i> , 2022, 166, 105542. | 1.3 | 18 |
| 90 | Herbal supplementation diet on immune response in <i>Labeo rohita</i> against <i>Aphanomyces invadans</i> . <i>Aquaculture</i> , 2015, 437, 351-359. | 1.7 | 17 |

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|-----|---|-----|-----------|
| 91 | Molecular insight into the metabolic activities of a protein-rich micro alga, <i>Arthrospira platensis</i> by de novo transcriptome analysis. <i>Molecular Biology Reports</i> , 2018, 45, 829-838. | 1.0 | 17 |
| 92 | GP13, an <i>Arthrospira platensis</i> cysteine desulfurase-derived peptide, suppresses oxidative stress and reduces apoptosis in human leucocytes and zebrafish (<i>Danio rerio</i>) embryo via attenuated caspase-3 expression. <i>Journal of King Saud University - Science</i> , 2021, 33, 101665. | 1.6 | 17 |
| 93 | Molecular Docking of SA11, RF13 and DI14 Peptides from Vacuolar Protein Sorting Associated Protein 26B Against Cancer Proteins and In vitro Investigation of its Anticancer Potency in Hep-2 Cells. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 1. | 0.9 | 17 |
| 94 | A potential Kazal-type serine protease inhibitor involves in kinetics of protease inhibition and bacteriostatic activity. <i>Fish and Shellfish Immunology</i> , 2015, 42, 430-438. | 1.6 | 16 |
| 95 | Innate and adaptive immune molecules of striped murrel <i>Channa striatus</i> . <i>Reviews in Aquaculture</i> , 2018, 10, 296-319. | 4.6 | 16 |
| 96 | Changes in immune genes expression, immune response, digestive enzymes -antioxidant status, and growth of catla (<i>Catla catla</i>) fed with <i>Astragalus polysaccharides</i> against edwardsiellosis disease. <i>Fish and Shellfish Immunology</i> , 2022, 121, 418-436. | 1.6 | 16 |
| 97 | Protective effect of morin by targeting mitochondrial reactive oxygen species induced by hydrogen peroxide demonstrated at a molecular level in MDCK epithelial cells. <i>Molecular Biology Reports</i> , 2022, 49, 4269-4279. | 1.0 | 16 |
| 98 | Molecular functions of chaperonin gene, containing tailless complex polypeptide 1 from <i>Macrobrachium rosenbergii</i> . <i>Gene</i> , 2012, 508, 241-249. | 1.0 | 15 |
| 99 | Molecular cloning, characterization and gene expression of murrel CXC chemokine receptor 3a against sodium nitrite acute toxicity and microbial pathogens. <i>Fish and Shellfish Immunology</i> , 2014, 39, 245-253. | 1.6 | 15 |
| 100 | Molecular profiles and pathogen-induced transcriptional responses of prawn B cell lymphoma-2 related ovarian killer protein (BOK). <i>Fish and Shellfish Immunology</i> , 2015, 45, 598-607. | 1.6 | 15 |
| 101 | Immune protection by <i>Rhizophora apiculata</i> in clownfish against <i>Vibrio alginolyticus</i> . <i>Aquaculture</i> , 2015, 446, 1-6. | 1.7 | 15 |
| 102 | Gene profiling of antimicrobial peptides, complement factors and MHC molecules from the skin transcriptome of <i>Channa striatus</i> and its expression pattern during <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , 2019, 84, 48-55. | 1.6 | 15 |
| 103 | Intensifying the Anticancer Potential of Cationic Peptide Derived from Serine Threonine Protein Kinase of Teleost by Tagging with Oligo Tryptophan. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 75-83. | 0.9 | 15 |
| 104 | Daidzein normalized gentamicin-induced nephrotoxicity and associated pro-inflammatory cytokines in MDCK and zebrafish: Possible mechanism of nephroprotection. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 258, 109364. | 1.3 | 15 |
| 105 | Defense involvement of piscidin from striped murrel <i>Channa striatus</i> and its peptides CsRC12 and CsLC11 involvement in an antimicrobial and antibiofilm activity. <i>Fish and Shellfish Immunology</i> , 2020, 99, 368-378. | 1.6 | 14 |
| 106 | Pro-inflammatory cytokine molecules from <i>Boswellia serrate</i> suppresses lipopolysaccharides induced inflammation demonstrated in an in-vivo zebrafish larval model. <i>Molecular Biology Reports</i> , 2022, 49, 7425-7435. | 1.0 | 14 |
| 107 | Anti-biofilm properties and immunological response of an immune molecule lectin isolated from shrimp <i>Metapenaeus monoceros</i> . <i>Fish and Shellfish Immunology</i> , 2019, 94, 896-906. | 1.6 | 13 |
| 108 | First report on interferon related developmental regulator-1 from <i>Macrobrachium rosenbergii</i> : Bioinformatic analysis and gene expression. <i>Fish and Shellfish Immunology</i> , 2012, 32, 929-933. | 1.6 | 12 |

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|-----|---|-----|-----------|
| 109 | Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2014, 14, . | 0.4 | 12 |
| 110 | Biosynthesis of gold nanoparticles using green roof species <i>Portulaca grandiflora</i> and their cytotoxic effects against C6 glioma human cancer cells. Environmental Progress and Sustainable Energy, 2016, 35, 1732-1740. | 1.3 | 12 |
| 111 | Double-edged sword role of shrimp miRNA explains an evolutionary language between shrimp-pathogen interactions that unties the knot of shrimp infection. Reviews in Aquaculture, 2022, 14, 578-593. | 4.6 | 12 |
| 112 | Arthrospira platensis transglutaminase derived antioxidant peptide-packed electrospun chitosan/ poly (vinyl alcohol) nanofibrous mat accelerates wound healing, in vitro, via inducing mouse embryonic fibroblast proliferation. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111124. | 2.5 | 12 |
| 113 | Molecular properties of postbiotics and their role in controlling aquaculture diseases. Aquaculture Research, 2022, 53, 3257-3273. | 0.9 | 12 |
| 114 | A redox active site containing murrel cytosolic thioredoxin: Analysis of immunological properties. Fish and Shellfish Immunology, 2014, 36, 141-150. | 1.6 | 11 |
| 115 | Antibiofilm and immunological properties of lectin purified from shrimp <i>Penaeus semisulcatus</i> . Fish and Shellfish Immunology, 2020, 106, 776-782. | 1.6 | 11 |
| 116 | Study on antioxidant potential, immunological response, and inflammatory cytokines induction of glycyrrhizic acid (GA) in silver carp against vibriosis. Fish and Shellfish Immunology, 2021, 119, 193-208. | 1.6 | 11 |
| 117 | Cholecalciferol and metformin protect against lipopolysaccharide-induced endothelial dysfunction and senescence by modulating sirtuin-1 and protein arginine methyltransferase-1. European Journal of Pharmacology, 2021, 912, 174531. | 1.7 | 11 |
| 118 | Point of care diagnosis of plant virus: Current trends and prospects. Molecular and Cellular Probes, 2022, 61, 101779. | 0.9 | 11 |
| 119 | <i>Bacillus subtilis</i> BR4 derived stigmatellin Y interferes PqsA-PqsR mediated quorum sensing system of <i>Pseudomonas aeruginosa</i> . Journal of Basic Microbiology, 2022, 62, 801-814. | 1.8 | 11 |
| 120 | Antiproliferation of MP12 derived from a fungus, <i>Aphanomyces invadans</i> virulence factor, cysteine-rich trypsin inhibitor on human laryngeal epithelial cells, and in vivo zebrafish embryo model. Toxicon, 2022, 210, 100-108. | 0.8 | 11 |
| 121 | <i>Portulaca grandiflora</i> as green roof vegetation: Plant growth and phytoremediation experiments. International Journal of Phytoremediation, 2017, 19, 537-544. | 1.7 | 10 |
| 122 | Intracellular oxidative damage due to antibiotics on gut bacteria reduced by glutathione oxidoreductase-derived antioxidant molecule GM15. Archives of Microbiology, 2020, 202, 1127-1133. | 1.0 | 10 |
| 123 | Norbornene derived nanocarrier reduces isoniazid mediated liver toxicity: assessment in HepG2 cell line and zebrafish model. RSC Advances, 2016, 6, 114927-114936. | 1.7 | 9 |
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