

# Jesu Arockiaraj

## List of Publications by Citations

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160  
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26  
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177  
ext. papers

2,894  
ext. citations

3.8  
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5.27  
L-index

#	Paper	IF	Citations
160	Crustin, a WAP domain containing antimicrobial peptide from freshwater prawn <i>Macrobrachium rosenbergii</i> : immune characterization. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 109-18	4.3	55
159	Effect of dietary astaxanthin against <i>Aeromonas hydrophila</i> infection in common carp, <i>Cyprinus carpio</i> . <i>Fish and Shellfish Immunology</i> , <b>2014</b> , 41, 674-80	4.3	53
158	Fish lily type lectin-1 contains $\beta$ prism architecture: immunological characterization. <i>Molecular Immunology</i> , <b>2013</b> , 56, 497-506	4.3	49
157	Gene profiling and characterization of arginine kinase-1 (MrAK-1) from freshwater giant prawn ( <i>Macrobrachium rosenbergii</i> ). <i>Fish and Shellfish Immunology</i> , <b>2011</b> , 31, 81-9	4.3	48
156	A novel antimicrobial peptide derived from fish goose type lysozyme disrupts the membrane of <i>Salmonella enterica</i> . <i>Molecular Immunology</i> , <b>2015</b> , 68, 421-33	4.3	43
155	Multifunctional murrel caspase 1, 2, 3, 8 and 9: Conservation, uniqueness and their pathogen-induced expression pattern. <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 49, 493-504	4.3	41
154	Molecular importance of prawn large heat shock proteins 60, 70 and 90. <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 48, 228-38	4.3	40
153	Molecular cloning, characterization and gene expression of an antioxidant enzyme catalase (MrCat) from <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 670-82	4.3	40
152	Gut microbiota metagenomics in aquaculture: factors influencing gut microbiome and its physiological role in fish. <i>Reviews in Aquaculture</i> , <b>2020</b> , 12, 1903	8.9	38
151	An unconventional antimicrobial protein histone from freshwater prawn <i>Macrobrachium rosenbergii</i> : analysis of immune properties. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 35, 1511-22	4.3	37
150	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> , <b>2014</b> , 39, 378-85	4.3	36
149	<i>Macrobrachium rosenbergii</i> cathepsin L: molecular characterization and gene expression in response to viral and bacterial infections. <i>Microbiological Research</i> , <b>2013</b> , 168, 569-79	5.3	36
148	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> , <b>2013</b> , 34, 505-13	4.3	35
147	Immunological role of thiol-dependent peroxiredoxin gene in <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 33, 121-9	4.3	35
146	Transcriptome changes of blue-green algae, <i>Arthrospira</i> sp. in response to sulfate stress. <i>Algal Research</i> , <b>2017</b> , 23, 96-103	5	34
145	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> , <b>2014</b> , 40, 9-13	4.3	34
144	Toxicity of buprofezin on the survival of embryo and larvae of African catfish, <i>Clarias gariepinus</i> (Bloch). <i>PLoS ONE</i> , <b>2013</b> , 8, e75545	3.7	33

143	Comparative analysis of CsCu/ZnSOD defense role by molecular characterization: gene expression-enzyme activity-protein level. <i>Gene</i> , <b>2015</b> , 564, 53-62	3.8	31
142	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> , <b>2014</b> , 40, 1937-55	2.7	31
141	Effect of infectious hypodermal and haematopoietic necrosis virus (IHHNV) infection on caspase 3c expression and activity in freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 161-9	4.3	30
140	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> , <b>2018</b> , 35, 519-529	5	30
139	Caveolin1/protein arginine methyltransferase1/sirtuin1 axis as a potential target against endothelial dysfunction. <i>Pharmacological Research</i> , <b>2017</b> , 119, 1-11	10.2	28
138	Assessment of samarium biosorption from aqueous solution by brown macroalga <i>Turbinaria conoides</i> . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 74, 113-120	5.3	28
137	A novel prophenoloxidase, hemocyanin encoded copper containing active enzyme from prawn: gene characterization. <i>Gene</i> , <b>2013</b> , 524, 139-51	3.8	28
136	Bacterial membrane binding and pore formation abilities of carbohydrate recognition domain of fish lectin. <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 67, 202-212	3.2	27
135	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> , <b>2015</b> , 45, 52-8	4.3	26
134	Pellino-1 derived cationic antimicrobial prawn peptide: Bactericidal activity, toxicity and mode of action. <i>Molecular Immunology</i> , <b>2016</b> , 78, 171-182	4.3	26
133	Immunological role of C4 CC chemokine-1 from snakehead murrel <i>Channa striatus</i> . <i>Molecular Immunology</i> , <b>2014</b> , 57, 292-301	4.3	26
132	Extracellular Biosynthesis, Characterization and Antibacterial Activity of Silver Nanoparticles Synthesized by <i>Bacillus subtilis</i> (NCIM0266). <i>Journal of Bionanoscience</i> , <b>2014</b> , 8, 21-27		26
131	<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> , <b>2015</b> , 43, 364-74	4.3	26
130	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> , <b>2019</b> , 135, 198-209	7.8	25
129	Prophenoloxidase activating enzyme-III from giant freshwater prawn <i>Macrobrachium rosenbergii</i> : characterization, expression and specific enzyme activity. <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 1377-86	2.8	25
128	A novel single-domain peptide, anti-LPS factor from prawn: synthesis of peptide, antimicrobial properties and complete molecular characterization. <i>Peptides</i> , <b>2014</b> , 53, 79-88	3.8	23
127	A cytosolic glutathione s-transferase, GST-theta from freshwater prawn <i>Macrobrachium rosenbergii</i> : molecular and biochemical properties. <i>Gene</i> , <b>2014</b> , 546, 437-42	3.8	23
126	Effect of Probiotics on Growth Performance of Koi Carp ( <i>Cyprinus carpio</i> ). <i>Journal of Applied Aquaculture</i> , <b>2010</b> , 22, 202-209	0.8	23

125	Bactericidal activity of fish galectin 4 derived membrane-binding peptide tagged with oligotryptophan. <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 71, 37-48	3.2	22
124	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> , <b>2016</b> , 51, 2725-2733	2.5	22
123	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> , <b>2021</b> , 114, 103863	3.2	22
122	A comparative transcriptome approach for identification of molecular changes in <i>Aphanomyces invadans</i> infected <i>Channa striatus</i> . <i>Molecular Biology Reports</i> , <b>2018</b> , 45, 2511-2523	2.8	22
121	Protective efficacy of Azomite enriched diet in <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i> . <i>Aquaculture</i> , <b>2016</b> , 451, 310-315	4.4	21
120	A murrel cysteine protease, cathepsin L: bioinformatics characterization, gene expression and proteolytic activity. <i>Biologia (Poland)</i> , <b>2014</b> , 69, 395-406	1.5	21
119	The Role of Lectins in Finfish: A Review. <i>Reviews in Fisheries Science and Aquaculture</i> , <b>2019</b> , 27, 152-169	8.3	21
118	Antioxidant molecular mechanism of adenosyl homocysteinase from cyanobacteria and its wound healing process in fibroblast cells. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 1821-1834	2.8	20
117	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> , <b>2018</b> , 106, 1014-1022	7.9	20
116	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> , <b>2016</b> , 51, 161-169	4.3	20
115	A prawn transglutaminase: molecular characterization and biochemical properties. <i>Biochimie</i> , <b>2013</b> , 95, 2354-64	4.6	20
114	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> , <b>2012</b> , 39, 6671-82	2.8	20
113	Functional roles and gene regulation of tumor necrosis factor receptor 1 in freshwater striped murrel. <i>Molecular Immunology</i> , <b>2015</b> , 66, 240-52	4.3	19
112	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> , <b>2015</b> , 45, 817-27	4.3	19
111	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> , <b>2016</b> , 54, 353-63	4.3	19
110	A mini review on immune role of chemokines and its receptors in snakehead murrel <i>Channa striatus</i> . <i>Fish and Shellfish Immunology</i> , <b>2018</b> , 72, 670-678	4.3	19
109	Fish chemokines 14, 20 and 25: A comparative statement on computational analysis and mRNA regulation upon pathogenic infection. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 47, 221-30	4.3	18
108	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> , <b>2015</b> , 170, 78-86	5.3	18

107	A Cumulative Strategy to Predict and Characterize Antimicrobial Peptides (AMPs) From Protein Database. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2017</b> , 23, 281-290	2.1	18
106	Immune role of MrNFBI-βan IB family member characterized in prawn <i>M. rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 33, 619-25	4.3	18
105	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> , <b>2019</b> , 61, 103513	5.1	17
104	Coagulation profile, gene expression and bioinformatics characterization of coagulation factor X of striped murrel <i>Channa striatus</i> . <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 55, 149-58	4.3	17
103	A murrel interferon regulatory factor-1: molecular characterization, gene expression and cell protection activity. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 5299-309	2.8	17
102	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> , <b>2017</b> , 190, 1-9	2	17
101	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> , <b>2011</b> , 31, 1259-67	4.3	17
100	Molecular characterization of a novel proto-type antimicrobial protein galectin-1 from striped murrel. <i>Microbiological Research</i> , <b>2014</b> , 169, 824-34	5.3	16
99	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> , <b>2019</b> , 25, 93-105	2.1	16
98	Piscidin, Fish Antimicrobial Peptide: Structure, Classification, Properties, Mechanism, Gene Regulation and Therapeutical Importance. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2021</b> , 27, 91-107	2.1	16
97	A potential Kazal-type serine protease inhibitor involves in kinetics of protease inhibition and bacteriostatic activity. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 42, 430-8	4.3	15
96	Molecular profiles and pathogen-induced transcriptional responses of prawn B cell lymphoma-2 related ovarian killer protein (BOK). <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 45, 598-607	4.3	15
95	Molecular mechanism of down-regulating adipogenic transcription factors in 3T3-L1 adipocyte cells by bioactive anti-adipogenic compounds. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 743-761	2.8	15
94	Impacts of environmental and biological stressors on immune system of <i>Macrobrachium rosenbergii</i> . <i>Reviews in Aquaculture</i> , <b>2017</b> , 9, 283-307	8.9	14
93	Innate and adaptive immune molecules of striped murrel <i>Channa striatus</i> . <i>Reviews in Aquaculture</i> , <b>2018</b> , 10, 296-319	8.9	14
92	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> , <b>2014</b> , 39, 245-53	4.3	14
91	Herbal supplementation diet on immune response in <i>Labeo rohita</i> against <i>Aphanomyces invadans</i> . <i>Aquaculture</i> , <b>2015</b> , 437, 351-359	4.4	14
90	Molecular functions of chaperonin gene, containing tailless complex polypeptide 1 from <i>Macrobrachium rosenbergii</i> . <i>Gene</i> , <b>2012</b> , 508, 241-9	3.8	14

89	Immune protection by <i>Rhizophora apiculata</i> in clownfish against <i>Vibrio alginolyticus</i> . <i>Aquaculture</i> , <b>2015</b> , 446, 1-6	4.4	13
88	Natural products from polar organisms: Structural diversity, bioactivities and potential pharmaceutical applications. <i>Polar Science</i> , <b>2018</b> , 18, 147-166	2.3	13
87	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> , <b>2016</b> , 57, 293-300	4.3	13
86	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> , <b>2018</b> , 45, 829-838	2.8	13
85	Molecular process of glucose uptake and glycogen storage due to hamamelitannin via insulin signalling cascade in glucose metabolism. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 6727-6740	2.8	13
84	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> , <b>2021</b> , 47, 293-311	2.7	13
83	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> , <b>2015</b> , 63, 586-94	4.3	12
82	Defense involvement of piscidin from striped murrel <i>Channa striatus</i> and its peptides CsRG12 and CsLC11 involvement in an antimicrobial and antibiofilm activity. <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 99, 368-378	4.3	12
81	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> , <b>2021</b> , 45, 1698-1709	4.5	12
80	A redox active site containing murrel cytosolic thioredoxin: analysis of immunological properties. <i>Fish and Shellfish Immunology</i> , <b>2014</b> , 36, 141-50	4.3	11
79	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , <b>2014</b> , 14,	1.2	11
78	First report on interferon related developmental regulator-1 from <i>Macrobrachium rosenbergii</i> : bioinformatic analysis and gene expression. <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 929-33	4.3	11
77	Biosynthesis of gold nanoparticles using green roof species <i>Portulaca grandiflora</i> and their cytotoxic effects against C6 glioma human cancer cells. <i>Environmental Progress and Sustainable Energy</i> , <b>2016</b> , 35, 1732-1740	2.5	11
76	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> , <b>2019</b> , 84, 48-55	4.3	11
75	Anti-biofilm properties and immunological response of an immune molecule lectin isolated from shrimp <i>Metapenaeus monoceros</i> . <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 94, 896-906	4.3	9
74	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> , <b>2021</b> , 283, 119864	6.8	9
73	Effect of Dietary Administration of Efinol <sup>®</sup> FG on Growth and Enzymatic Activities of <i>Channa striatus</i> (Bloch, 1793). <i>Journal of Animal and Veterinary Advances</i> , <b>2011</b> , 10, 796-801	0.1	8
72	Fish Heat Shock Cognate 70 Derived AMPs CshSC70 A1 and CshSC70 A2. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2018</b> , 24, 143-155	2.1	7

71	Striped murrel S1 family serine protease: immune characterization, antibacterial property and enzyme activities. <i>Biologia (Poland)</i> , <b>2014</b> , 69, 1065-1078	1.5	7
70	GR15 peptide of S-adenosylmethionine synthase (SAdMe) from <i>Arthrospira platensis</i> demonstrated antioxidant mechanism against HO induced oxidative stress in in-vitro MDCK cells and in-vivo zebrafish larvae model. <i>Journal of Biotechnology</i> , <b>2021</b> , 342, 79-91	3.7	7
69	Norbornene derived nanocarrier reduces isoniazid mediated liver toxicity: assessment in HepG2 cell line and zebrafish model. <i>RSC Advances</i> , <b>2016</b> , 6, 114927-114936	3.7	7
68	<i>Portulaca grandiflora</i> as green roof vegetation: Plant growth and phytoremediation experiments. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 537-544	3.9	6
67	TL15 of <i>Arthrospira platensis</i> sulfite reductase scavenges free radicals demonstrated in oxidant induced larval zebrafish ( <i>Danio rerio</i> ) model. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 641-653	7.9	6
66	Intracellular oxidative damage due to antibiotics on gut bacteria reduced by glutathione oxidoreductase-derived antioxidant molecule GM15. <i>Archives of Microbiology</i> , <b>2020</b> , 202, 1127-1133	3	5
65	Effect of Three Different Cooking Methods on Proximate and Mineral Composition of Asian Sea Bass ( <i>Lates calcarifer</i> , Bloch). <i>Journal of Aquatic Food Product Technology</i> , <b>2014</b> , 23, 468-474	1.6	5
64	Cyclic changes in gonadal maturation and histological observations of threatened freshwater catfish "narikeliru" <i>Mystus montanus</i> (Jerdon, 1849). <i>Acta Ichthyologica Et Piscatoria</i> , <b>2004</b> , 34, 253-266	1.8	5
63	Salt incorporated diets for enhancing growth performance and survival in gilthead sea bream <i>Sparus aurata</i> L. juveniles reared in low saline brackish water. <i>Scientia Marina</i> , <b>2009</b> , 73, 213-217	1.8	5
62	<i>Arthrospira platensis</i> transglutaminase derived antioxidant peptide-packed electrospun chitosan/poly (vinyl alcohol) nanofibrous mat accelerates wound healing, in vitro, via inducing mouse embryonic fibroblast proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 193, 111124	6	5
61	Antibiofilm and immunological properties of lectin purified from shrimp <i>Penaeus semisulcatus</i> . <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 106, 776-782	4.3	5
60	Membrane disruption antimicrobial mechanism of <i>Channa striatus</i> lysozyme-derived antimicrobial peptides (AMP). <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 53, 74-75	4.3	5
59	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> , <b>2020</b> , 26, 75-83	2.1	5
58	NV14 from serine O-acetyltransferase of cyanobacteria influences the antioxidant enzymes in vitro cells, gene expression against H <sub>2</sub> O <sub>2</sub> and other responses in vivo zebrafish larval model. <i>Cell Biology International</i> , <b>2021</b> , 45, 2331-2346	4.5	5
57	Pathogenicity and Pathobiology of Epizootic Ulcerative Syndrome (EUS) Causing Fungus <i>Aphanomyces invadans</i> and Its Immunological Response in Fish. <i>Reviews in Fisheries Science and Aquaculture</i> , <b>2020</b> , 28, 358-375	8.3	4
56	RNA seq analysis of a novel fish pathogenic fungus, <i>Fusarium oxysporum</i> : In quest of unveiling the virulence factors associated with fish infection. <i>Gene Reports</i> , <b>2018</b> , 12, 132-140	1.4	4
55	Elucidation of innate immune components in the epidermal mucus of different freshwater fish species. <i>Acta Ichthyologica Et Piscatoria</i> , <b>2015</b> , 45, 221-230	1.8	4
54	Innate immune function of serine/threonine-protein kinase from <i>Macrobrachium rosenbergii</i> in response to host-pathogen interactions. <i>Fish and Shellfish Immunology</i> , <b>2020</b> , 106, 332-340	4.3	4

53	Peroxiredoxin of <i>Arthrospira platensis</i> derived short molecule YT12 influences antioxidant and anticancer activity. <i>Cell Biology International</i> , <b>2020</b> , 44, 2231-2242	4.5	4
52	Functional role of piRNAs in animal models and its prospects in aquaculture. <i>Reviews in Aquaculture</i> , <b>2021</b> , 13, 2038-2052	8.9	4
51	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> , <b>2021</b> , 48, 5857-5872	2.8	4
50	Chytrid <i>Batrachochytrium dendrobatidis</i> fungal infection in freshwater prawn, <i>Macrobrachium rosenbergii</i> (de Man) - A new report. <i>Aquaculture</i> , <b>2016</b> , 464, 521-528	4.4	4
49	Pathogenic bacterial toxins and virulence influences in cultivable fish. <i>Aquaculture Research</i> , <b>2021</b> , 52, 2361-2376	1.9	4
48	Study on antioxidant potential, immunological response, and inflammatory cytokines induction of glycyrrhizic acid (GA) in silver carp against vibriosis. <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 119, 193-208	4.3	4
47	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> , <b>2021</b> , 117, 262-273	4.3	4
46	Differences in structure and changes in gene regulation of murrel molecular chaperone HSP family during epizootic ulcerative syndrome (EUS) infection. <i>Fish and Shellfish Immunology</i> , <b>2017</b> , 60, 129-140	4.3	3
45	Pharmacological inhibition of guanosine triphosphate cyclohydrolase1 elevates tyrosine phosphorylation of caveolin1 and cellular senescence. <i>European Journal of Pharmacology</i> , <b>2019</b> , 848, 1-10	5.3	3
44	Cell cycle arrest in peripheral blood mononuclear cells: A non-invasive method for diagnosis of coronary artery disease. <i>Process Biochemistry</i> , <b>2019</b> , 84, 153-160	4.8	3
43	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> , <b>2021</b> , 33, 101665	3.6	3
42	6-Gingerol and Semisynthetic 6-Gingerdione Counteract Oxidative Stress Induced by ROS in Zebrafish. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100650	2.5	3
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23	Impact and fungitoxic spectrum of <i>Trachyspermum ammi</i> against <i>Candida albicans</i> , an opportunistic pathogenic fungus commonly found in human gut that causes Candidiasis infection. <i>Journal of Infection and Public Health</i> , <b>2021</b> , 14, 1854-1863	7.4	1
22	Pathogenic fungi affecting fishes through their virulence molecules. <i>Aquaculture</i> , <b>2022</b> , 548, 737553	4.4	1
21	RM12 similar to substance P from tachykinin of freshwater murrel <i>Channa striatus</i> influence intracellular ROS in vitro fish erythrocytes and developmental toxicity and antioxidant enzymes in vivo zebrafish embryo. <i>Fish Physiology and Biochemistry</i> , <b>2021</b> , 47, 1073-1085	2.7	1
20	Pharmacologic downregulation of protein arginine methyltransferase1 expression by adenosine dialdehyde increases cell senescence in breast cancer. <i>European Journal of Pharmacology</i> , <b>2021</b> , 891, 173697	5.3	1
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18	Antibacterial Activity of RM12, a Tachykinin Derivative, Against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 1	2.1	1

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13	Amelioration of acrylamide induced neurotoxicity by benzo[b]thiophene analogs via glutathione redox dynamics in zebrafish larvae.. <i>Brain Research</i> , <b>2022</b> , 147941	3.7	1
12	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> , <b>2022</b> , 258, 109364	3.2	1
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