

Jesu Arockiaraj

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

160
papers

2,210
citations

26
h-index

34
g-index

177
ext. papers

2,894
ext. citations

3.8
avg, IF

5.27
L-index

#	Paper	IF	Citations
160	Identification and characterization of the novel bioactive compounds from microalgae and cyanobacteria for pharmaceutical and nutraceutical applications.. <i>Journal of Basic Microbiology</i> , 2022 ,	2.7	2
159	Anti-inflammatory role demonstrated both in vitro and in vivo models using non-steroidal tetranortriterpenoid, Nimbin (N1) and its analogues (N2 and N3) that alleviate the domestication of alternative medicine.. <i>Cell Biology International</i> , 2022 ,	4.5	2
158	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	4.3	2
157	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	3.6	1
156	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	6.8	0
155	Pathogenic fungi affecting fishes through their virulence molecules. <i>Aquaculture</i> , 2022 , 548, 737553	4.4	1
154	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 , 1	2.8	1
153	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	2.1	2
152	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	2.1	1
151	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.. <i>Toxicon</i> , 2022 , 210, 100-108	2.8	1
150	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 , 120507	6.8	3
149	Antibacterial Effect of a Short Peptide, VV18, from Calcineurin-A of <i>Macrobrachium rosenbergii</i> : Antibiofilm Agent Against <i>Escherichia coli</i> and a Bacterial Membrane Disruptor in <i>Pseudomonas aeruginosa</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2022 , 28, 1	2.1	
148	Semenogelin, a coagulum macromolecule monitoring factor involved in the first step of fertilization: A prospective review.. <i>International Journal of Biological Macromolecules</i> , 2022 , 209, 951-962	7.9	0
147	Investigation of interspecies crosstalk between probiotic <i>Bacillus subtilis</i> BR4 and <i>Pseudomonas aeruginosa</i> using metabolomics analysis.. <i>Microbial Pathogenesis</i> , 2022 , 105542	3.8	1
146	Amelioration of acrylamide induced neurotoxicity by benzo[b]thiophene analogs via glutathione redox dynamics in zebrafish larvae.. <i>Brain Research</i> , 2022 , 147941	3.7	1
145	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	3.2	1
144	Point of care diagnosis of plant virus: Current trends and prospects. <i>Molecular and Cellular Probes</i> , 2021 , 61, 101779	3.3	0

143	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> , 2021 , 89, 103779	5.8	2
142	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	3.6	3
141	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> , 2021 , 14, 1854-1863	7.4	1
140	6-Gingerol and Semisynthetic 6-Gingerdione Counteract Oxidative Stress Induced by ROS in Zebrafish. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100650	2.5	3
139	Cholecalciferol and metformin protect against lipopolysaccharide-induced endothelial dysfunction and senescence by modulating sirtuin-1 and protein arginine methyltransferase-1. <i>European Journal of Pharmacology</i> , 2021 , 912, 174531	5.3	0
138	GR15 peptide of S-adenosylmethionine synthase (SAME) 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> , 2021 , 342, 79-91	3.7	7
137	Influence of bamboo vinegar powder (BVP) enriched diet on antioxidant status, immunity level, and pro-anti-inflammatory cytokines modulation in Asian sea bass, <i>Lates calcarifer</i> (Bloch 1790) against <i>Vibrio anguillarum</i> . <i>Fish and Shellfish Immunology</i> , 2021 , 119, 462-477	4.3	2
136	Shrimp lectin-conjugated copper sulfide nanoparticles enhance immune response and gene expression in <i>Etroplus suratensis</i> infected with <i>Aeromonas hydrophila</i> . <i>Aquaculture International</i> , 2021 , 29, 1103-1120	2.6	3
135	Functional role of piRNAs in animal models and its prospects in aquaculture. <i>Reviews in Aquaculture</i> , 2021 , 13, 2038-2052	8.9	4
134	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	4.5	12
133	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> , 2021 , 47, 1073-1085	2.7	1
132	Pharmacological importance of TG12 from tachykinin and its toxicological behavior against multidrug-resistant bacteria <i>Klebsiella pneumoniae</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 245, 108974	3.2	3
131	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	2.8	4
130	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	2.1	16
129	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> , 2021 , 166, 641-653	7.9	6
128	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	3.2	22
127	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	2.8	15
126	Pharmacologic downregulation of protein arginine methyltransferase1 expression by adenosine dialdehyde increases cell senescence in breast cancer. <i>European Journal of Pharmacology</i> , 2021 , 891, 173697	5.3	1

125	Bestrophin-derived peptide, WP17, elicits cell wall disruption-mediated bactericidal activity against <i>Micrococcus luteus</i> and anti-neoplastic effect against murine melanoma cells. <i>Peptide Science</i> , 2021 , 113, e24220	3	1
124	Pathogenic bacterial toxins and virulence influences in cultivable fish. <i>Aquaculture Research</i> , 2021 , 52, 2361-2376	1.9	4
123	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	2.7	13
122	Anti-mycobacterial activity evaluation of designed peptides: cryptic and database filtering based approach. <i>Archives of Microbiology</i> , 2021 , 203, 4891-4899	3	2
121	NV14 from serine O-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	4.5	5
120	Hepatic antioxidant activity, immunomodulation, and pro-anti-inflammatory cytokines manipulation of Earrageenan (ECGN) in cobia, <i>Rachycentron canadum</i> against <i>Lactococcus garvieae</i> . <i>Fish and Shellfish Immunology</i> , 2021 , 119, 128-144	4.3	0
119	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> , 2021 , 119, 193-208	4.3	4
118	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	4.3	4
117	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	6.8	9
116	Non-Clinical Investigation of Tuberculosis Drugs: Conjugated Norbornene- Based Nanocarriers Toxic Impacts on Zebrafish. <i>Current Nanomedicine</i> , 2021 , 11, 224-236	0.9	
115	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> , 2020 , 28, 358-375	8.3	4
114	CxxC Zinc Finger Protein Derived Peptide, MF18 Functions Against Biofilm Formation. <i>Protein Journal</i> , 2020 , 39, 337-349	3.9	0
113	Intracellular oxidative damage due to antibiotics on gut bacteria reduced by glutathione oxidoreductase-derived antioxidant molecule GM15. <i>Archives of Microbiology</i> , 2020 , 202, 1127-1133	3	5
112	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> , 2020 , 99, 368-378	4.3	12
111	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	2.8	20
110	Gut microbiota metagenomics in aquaculture: factors influencing gut microbiome and its physiological role in fish. <i>Reviews in Aquaculture</i> , 2020 , 12, 1903	8.9	38
109	<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> , 2020 , 193, 111124	6	5
108	The discovery of antioxidants in marine microorganisms and their protective effects on the hepatic cells from chemical-induced oxidative stress. <i>Free Radical Research</i> , 2020 , 54, 150-161	4	3

107	Synthesis and antimicrobial evaluation of piperic acid amides and their lower homologues. <i>Drug Development Research</i> , 2020 , 81, 366-373	5.1	
106	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> , 2020 , 106, 332-340	4.3	4
105	Antibiofilm and immunological properties of lectin purified from shrimp <i>Penaeus semisulcatus</i> . <i>Fish and Shellfish Immunology</i> , 2020 , 106, 776-782	4.3	5
104	Peroxiredoxin of <i>Arthrospira platensis</i> derived short molecule YT12 influences antioxidant and anticancer activity. <i>Cell Biology International</i> , 2020 , 44, 2231-2242	4.5	4
103	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	2.8	13
102	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	2.1	5
101	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	5.1	17
100	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	4.3	9
99	Pharmacological inhibition of guanosine triphosphate cyclohydrolase1 elevates tyrosine phosphorylation of caveolin1 and cellular senescence. <i>European Journal of Pharmacology</i> , 2019 , 848, 1-10	5.3	3
98	Cell cycle arrest in peripheral blood mononuclear cells: A non-invasive method for diagnosis of coronary artery disease. <i>Process Biochemistry</i> , 2019 , 84, 153-160	4.8	3
97	Resolving the pathogenicity factors of a novel opportunistic fungus <i>Schizophyllum commune</i> at molecular level. <i>Molecular Biology Reports</i> , 2019 , 46, 3877-3886	2.8	2
96	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	7.8	25
95	Characterization of some naphthalene using bacteria isolated from contaminated Cooum Riverine sediment of the Bay of Bengal (India). <i>Journal of the Serbian Chemical Society</i> , 2019 , 84, 225-236	0.9	1
94	The Role of Lectins in Finfish: A Review. <i>Reviews in Fisheries Science and Aquaculture</i> , 2019 , 27, 152-169	8.3	21
93	Xenobiotic Binding Domain of Glutathione S-Transferase Has Cryptic Antimicrobial Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 2019 , 25, 1477-1489	2.1	2
92	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	4.3	11
91	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	2.1	16
90	Natural products from polar organisms: Structural diversity, bioactivities and potential pharmaceutical applications. <i>Polar Science</i> , 2018 , 18, 147-166	2.3	13

89	Innate and adaptive immune molecules of striped murrel <i>Channa striatus</i> . <i>Reviews in Aquaculture</i> , 2018 , 10, 296-319	8.9	14
88	Fish Heat Shock Cognate 70 Derived AMPs CshSC70 A1 and CshSC70 A2. <i>International Journal of Peptide Research and Therapeutics</i> , 2018 , 24, 143-155	2.1	7
87	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	7.9	20
86	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> , 2018 , 12, 132-140	1.4	4
85	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	2.8	13
84	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	4.3	19
83	In-house chemical library repurposing: A case example for <i>Pseudomonas aeruginosa</i> antibiofilm activity and quorum sensing inhibition. <i>Drug Development Research</i> , 2018 , 79, 383-390	5.1	3
82	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	2.8	22
81	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	5	30
80	Impacts of environmental and biological stressors on immune system of <i>Macrobrachium rosenbergii</i> . <i>Reviews in Aquaculture</i> , 2017 , 9, 283-307	8.9	14
79	Caveolin1/protein arginine methyltransferase1/sirtuin1 axis as a potential target against endothelial dysfunction. <i>Pharmacological Research</i> , 2017 , 119, 1-11	10.2	28
78	Transcriptome changes of blue-green algae, <i>Arthrospira</i> sp. in response to sulfate stress. <i>Algal Research</i> , 2017 , 23, 96-103	5	34
77	Bactericidal activity of fish galectin 4 derived membrane-binding peptide tagged with oligotryptophan. <i>Developmental and Comparative Immunology</i> , 2017 , 71, 37-48	3.2	22
76	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	5.3	28
75	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> , 2017 , 60, 129-140	4.3	3
74	<i>Portulaca grandiflora</i> as green roof vegetation: Plant growth and phytoremediation experiments. <i>International Journal of Phytoremediation</i> , 2017 , 19, 537-544	3.9	6
73	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	2	17
72	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	2.1	18

71	Bacterial membrane binding and pore formation abilities of carbohydrate recognition domain of fish lectin. <i>Developmental and Comparative Immunology</i> , 2017 , 67, 202-212	3-2	27
70	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	4-3	13
69	Pellino-1 derived cationic antimicrobial prawn peptide: Bactericidal activity, toxicity and mode of action. <i>Molecular Immunology</i> , 2016 , 78, 171-182	4-3	26
68	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	2-5	22
67	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, 149-58	4-3	17
66	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	4-3	41
65	Molecular importance of prawn large heat shock proteins 60, 70 and 90. <i>Fish and Shellfish Immunology</i> , 2016 , 48, 228-38	4-3	40
64	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	4-3	20
63	Protective efficacy of Azomite enriched diet in <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i> . <i>Aquaculture</i> , 2016 , 451, 310-315	4-4	21
62	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> , 2016 , 35, 1732-1740	2-5	11
61	Norbornene derived nanocarrier reduces isoniazid mediated liver toxicity: assessment in HepG2 cell line and zebrafish model. <i>RSC Advances</i> , 2016 , 6, 114927-114936	3-7	7
60	Membrane disruption antimicrobial mechanism of <i>Channa striatus</i> lysozyme-derived antimicrobial peptides (AMP). <i>Fish and Shellfish Immunology</i> , 2016 , 53, 74-75	4-3	5
59	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, 353-63	4-3	19
58	Silver Nanoparticles: Newly Emerging Antimicrobials in 21st Century 2016 , 103-139		
57	Chytrid <i>Batrachochytrium dendrobatidis</i> fungal infection in freshwater prawn, <i>Macrobrachium rosenbergii</i> (de Man) - A new report. <i>Aquaculture</i> , 2016 , 464, 521-528	4-4	4
56	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, 52-8	4-3	26
55	Functional roles and gene regulation of tumor necrosis factor receptor 1 in freshwater striped murrel. <i>Molecular Immunology</i> , 2015 , 66, 240-52	4-3	19
54	Immune protection by <i>Rhizophora apiculata</i> in clownfish against <i>Vibrio alginolyticus</i> . <i>Aquaculture</i> , 2015 , 446, 1-6	4-4	13

53	Comparative analysis of CsCu/ZnSOD defense role by molecular characterization: gene expression-enzyme activity-protein level. <i>Gene</i> , 2015 , 564, 53-62	3.8	31
52	A novel antimicrobial peptide derived from fish goose type lysozyme disrupts the membrane of <i>Salmonella enterica</i> . <i>Molecular Immunology</i> , 2015 , 68, 421-33	4.3	43
51	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, 221-30	4.3	18
50	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, 817-27	4.3	19
49	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	5.3	18
48	A potential Kazal-type serine protease inhibitor involves in kinetics of protease inhibition and bacteriostatic activity. <i>Fish and Shellfish Immunology</i> , 2015 , 42, 430-8	4.3	15
47	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, 586-94	4.3	12
46	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	4.3	15
45	Herbal supplementation diet on immune response in <i>Labeo rohita</i> against <i>Aphanomyces invadans</i> . <i>Aquaculture</i> , 2015 , 437, 351-359	4.4	14
44	<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, 364-74	4.3	26
43	Elucidation of innate immune components in the epidermal mucus of different freshwater fish species. <i>Acta Ichthyologica Et Piscatoria</i> , 2015 , 45, 221-230	1.8	4
42	A simple, robust enzymatic-based high-throughput screening method for antimicrobial peptides discovery against <i>Escherichia coli</i> . <i>Journal of Peptide Science</i> , 2014 , 20, 341-8	2.1	2
41	A murrel cysteine protease, cathepsin L: bioinformatics characterization, gene expression and proteolytic activity. <i>Biologia (Poland)</i> , 2014 , 69, 395-406	1.5	21
40	Striped murrel S1 family serine protease: immune characterization, antibacterial property and enzyme activities. <i>Biologia (Poland)</i> , 2014 , 69, 1065-1078	1.5	7
39	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, 1937-55	2.7	31
38	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	4.3	34
37	A murrel interferon regulatory factor-1: molecular characterization, gene expression and cell protection activity. <i>Molecular Biology Reports</i> , 2014 , 41, 5299-309	2.8	17
36	Immunological role of C4 CC chemokine-1 from snakehead murrel <i>Channa striatus</i> . <i>Molecular Immunology</i> , 2014 , 57, 292-301	4.3	26

35	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> , 2014 , 23, 468-474	1.6	5
34	A redox active site containing murrel cytosolic thioredoxin: analysis of immunological properties. <i>Fish and Shellfish Immunology</i> , 2014 , 36, 141-50	4.3	11
33	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	3.8	23
32	A cytosolic glutathione s-transferase, GST-theta from freshwater prawn <i>Macrobrachium rosenbergii</i> : molecular and biochemical properties. <i>Gene</i> , 2014 , 546, 437-42	3.8	23
31	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, 378-85	4.3	36
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26	Molecular characterization of a novel proto-type antimicrobial protein galectin-1 from striped murrel. <i>Microbiological Research</i> , 2014 , 169, 824-34	5.3	16
25	An unconventional antimicrobial protein histone from freshwater prawn <i>Macrobrachium rosenbergii</i> : analysis of immune properties. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1511-22	4.3	37
24	Fish lily type lectin-1 contains β prism architecture: immunological characterization. <i>Molecular Immunology</i> , 2013 , 56, 497-506	4.3	49
23	Crustin, a WAP domain containing antimicrobial peptide from freshwater prawn <i>Macrobrachium rosenbergii</i> : immune characterization. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 109-18	4.3	55
22	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, 505-13	4.3	35
21	A prawn transglutaminase: molecular characterization and biochemical properties. <i>Biochimie</i> , 2013 , 95, 2354-64	4.6	20
20	A novel prophenoloxidase, hemocyanin encoded copper containing active enzyme from prawn: gene characterization. <i>Gene</i> , 2013 , 524, 139-51	3.8	28
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15	Immune role of MrNFBI-β an IB family member characterized in prawn <i>M. rosenbergii</i> . <i>Fish and Shellfish Immunology</i> , 2012 , 33, 619-25	4.3	18
14	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, 161-9	4.3	30
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