

Navaneethaiyer Umasuthan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

287
papers

3,707
citations

31
h-index

43
g-index

291
ext. papers

4,423
ext. citations

3.6
avg, IF

5.55
L-index

#	Paper	IF	Citations
287	Modulation of fish immune response by interferon regulatory factor 4 in redlip mullet (<i>Liza haematocheilus</i>): Delineation through expression profiling, antiviral assay, and macrophage polarization analysis.. <i>Developmental and Comparative Immunology</i> , 2022 , 104356	3.2	0
286	Molecular characterization and expression profiling of tandem-repeat galectin-8 from red-spotted grouper (<i>Epinephelus akaara</i>): Potential antibacterial, antiviral, and wound healing activities.. <i>Fish and Shellfish Immunology</i> , 2022 , 121, 86-98	4.3	0
285	Molecular characterization, immune responses, and functional activities of manganese superoxide dismutase in disk abalone (<i>Haliotis discus discus</i>). <i>Developmental and Comparative Immunology</i> , 2022 , 127, 104299	3.2	
284	Molecular characterization of fish cytokine IL-17C from <i>Amphiprion clarkii</i> and its immunomodulatory effects on the responses to pathogen-associated molecular patterns and bacterial challenges. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022 , 257, 110669	2.3	
283	Interacting Effects of Sea Louse () Infection and Formalin-Killed on Atlantic Salmon Skin Transcriptome.. <i>Frontiers in Immunology</i> , 2022 , 13, 804987	8.4	
282	Gill and Liver Transcript Expression Changes Associated With Gill Damage in Atlantic Salmon (). <i>Frontiers in Immunology</i> , 2022 , 13, 806484	8.4	1
281	Complete genome sequence analysis and phylogenetic classification of the novel <i>Aeromonas</i> phage AHP-1, a potential member of the genus <i>Tequatrovirus</i> .. <i>Archives of Virology</i> , 2022 , 167, 1225	2.6	
280	Genome-wide association study of VHSV-resistance trait in <i>Paralichthys olivaceus</i> .. <i>Fish and Shellfish Immunology</i> , 2022 ,	4.3	1
279	PDI family thioredoxin from disk abalone (<i>Haliotis discus discus</i>): Responses to stimulants (PAMPs, bacteria, and viral) and functional characterization. <i>Fish and Shellfish Immunology</i> , 2021 , 120, 261-270	4.3	0
278	Molecular characterization, expression profile, and antiviral activity of redlip mullet (<i>Liza haematocheila</i>) viperin. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021 , 258, 110699	2.3	0
277	A Novel Marine Pathogen Isolated from Wild Cunners (): Comparative Genomics and Transcriptome Profiling of sp. Strain J380. <i>Microorganisms</i> , 2021 , 9,	4.9	3
276	Generation of cd63-deficient zebrafish to analyze the role of cd63 in viral infection. <i>Fish and Shellfish Immunology</i> , 2021 , 111, 152-159	4.3	2
275	Identification and molecular profiling of a novel homolog of cystatin C from rock bream (<i>Oplegnathus fasciatus</i>) evidencing its transcriptional sensitivity to pathogen infections. <i>Molecular Biology Reports</i> , 2021 , 48, 4933-4942	2.8	0
274	Infection dynamics of <i>Enteromyxum leei</i> (Myxozoa, Myxosporea) in culture water and its effects on cultured olive flounder, <i>Paralichthys olivaceus</i> (Temminck & Schlegel). <i>Journal of Fish Diseases</i> , 2021 , 44, 1475-1479	2.6	0
273	The possible role of catalase in innate immunity and diminution of cellular oxidative stress: Insights into its molecular characteristics, antioxidant activity, DNA protection, and transcriptional regulation in response to immune stimuli in yellowtail clownfish (<i>Amphiprion clarkii</i>). <i>Fish and Shellfish Immunology</i> , 2021 , 112, 105417	4.3	6
272	Growth and Antioxidant-Related Effects of the Reestablished Ascorbic Acid Pathway in Zebrafish () by Genomic Integration of L-Gulonolactone Oxidase From Cloudy Catshark (). <i>Frontiers in Physiology</i> , 2021 , 12, 685595	4.6	0
271	A newly discovered teleost disulfide isomerase, thioredoxin domain containing 5 (TXNDC5), from big-belly seahorse (<i>Hippocampus abdominalis</i>): Insights into its molecular and functional properties and immune regulatory functions. <i>Developmental and Comparative Immunology</i> , 2021 , 114, 103827	3.2	0

270	Transcription profile, NF- κ B promoter activation, and antiviral activity of Amphiprion clarkii Akirin-2. <i>Fish and Shellfish Immunology</i> , 2021 , 108, 14-23	4.3	1
269	Molecular profiling and functional delineation of peroxiredoxin 3 (HaPrx3) from the big-belly seahorses (<i>Hippocampus abdominalis</i>) and understanding their immunological responses. <i>Gene</i> , 2021 , 771, 145350	3.8	1
268	Glutathione-S-transferase alpha-4 in <i>Hippocampus abdominalis</i> (big-belly seahorse): Molecular characterization, antioxidant properties, and its potent immune response. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 240, 108917	3.2	2
267	Molecular characterization, immune and xenobiotic responses of glutathione S-transferase omega 1 from the big-belly seahorse: Novel insights into antiviral defense. <i>Fish and Shellfish Immunology</i> , 2021 , 109, 62-70	4.3	0
266	Transcriptome Profiling of Atlantic Salmon Adherent Head Kidney Leukocytes Reveals That Macrophages Are Selectively Enriched During Culture. <i>Frontiers in Immunology</i> , 2021 , 12, 709910	8.4	2
265	Molecular characterization and immune regulatory, antioxidant, and antiapoptotic activities of thioredoxin domain-containing protein 17 (TXNDC17) in yellowtail clownfish (<i>Amphiprion clarkii</i>). <i>Fish and Shellfish Immunology</i> , 2021 , 115, 75-85	4.3	1
264	A copper-zinc-superoxide dismutase (CuZnSOD) from redlip mullet, <i>Liza haematocheila</i> : Insights to its structural characteristics, immune responses, antioxidant activity, and potent antibacterial properties. <i>Developmental and Comparative Immunology</i> , 2021 , 123, 104165	3.2	2
263	Expression profiling, immune functions, and molecular characteristics of the tetraspanin molecule CD63 from <i>Amphiprion clarkii</i> . <i>Developmental and Comparative Immunology</i> , 2021 , 123, 104168	3.2	1
262	Immune responses, subcellular localization, and antiviral activity of interferon-induced protein 35 (IFP35) in rock bream (<i>Oplegnathus fasciatus</i>). <i>Developmental and Comparative Immunology</i> , 2021 , 123, 104142	3.2	1
261	Molecular characterization and expressional analysis of two poly (ADP-ribose) polymerase (PARP) domain-containing Gig2 isoforms in rockfish (<i>Sebastes schlegelii</i>) and their antiviral activity against viral hemorrhagic septicemia virus. <i>Fish and Shellfish Immunology</i> , 2021 , 118, 219-227	4.3	
260	Cytosolic Eatenin is involved in macrophage M2 activation and antiviral defense in teleosts: Delineation through molecular characterization of Eatenin homolog from redlip mullet (<i>Planiliza haematocheila</i>). <i>Fish and Shellfish Immunology</i> , 2021 , 118, 228-240	4.3	
259	Transcriptome Profiling of Atlantic Salmon () Parr With Higher and Lower Pathogen Loads Following Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 789465	8.4	1
258	Identification, molecular characterization, expression analysis and wound-healing ability of multifunctional calreticulin from big-belly seahorse <i>Hippocampus abdominalis</i> . <i>Fish and Shellfish Immunology</i> , 2020 , 106, 410-420	4.3	
257	Structural and functional analysis of three I κ B kinases (IKK) in disk abalone (<i>Haliotis discus discus</i>): Investigating their role in the innate immune responses. <i>Fish and Shellfish Immunology</i> , 2020 , 103, 111-125	4.3	2
256	Identification and characterization of cystatin B from black rockfish, <i>Sebastes schlegelii</i> , indicating its potent immunological importance. <i>Fish and Shellfish Immunology</i> , 2020 , 104, 497-505	4.3	7
255	Cisplatin nephrotoxicity is induced via poly(ADP-ribose) polymerase activation in adult zebrafish and mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R843-R854	3.2	3
254	Molecular and functional insights into a novel teleost malectin from big-belly seahorse <i>Hippocampus abdominalis</i> . <i>Fish and Shellfish Immunology</i> , 2020 , 99, 483-494	4.3	1
253	Potential immune regulatory role of miR-146a upon <i>Aeromonas hydrophila</i> and <i>Edwardsiella piscicida</i> infections in zebrafish. <i>Brazilian Journal of Microbiology</i> , 2020 , 51, 931-937	2.2	3

252	Molecular and functional explication of thioredoxin mitochondrial-like protein (Trx-2) from big-belly seahorse (<i>Hippocampus abdominalis</i>) and expression upon immune provocation. <i>Fish and Shellfish Immunology</i> , 2020 , 99, 495-504	4.3	6
251	Role of rockfish (<i>Sebastes schlegelii</i>) glutaredoxin 1 in innate immunity, and alleviation of cellular oxidative stress: Insights into localization, molecular characteristics, transcription, and function. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 243-244, 110432	2.3	1
250	Identification, expression profiling and functional characterization of interleukin 11a ortholog from redlip mullet <i>Liza haematocheila</i> : Insight into its roles in the inflammation and apoptosis regulation. <i>Fish and Shellfish Immunology</i> , 2020 , 99, 44-51	4.3	4
249	Molecular insights and immune responses of big belly seahorse syndecan-2 (CD362): Involvement of ectodomain in regulating cell survival, proliferation, and wound healing. <i>Fish and Shellfish Immunology</i> , 2020 , 98, 457-465	4.3	2
248	Characterization and expression analysis of rockfish (<i>Sebastes schlegelii</i>) myeloid differentiation factor-88 (SsMyD88) and evaluation of its ability to induce inflammatory cytokines through NF- κ B. <i>Fish and Shellfish Immunology</i> , 2020 , 99, 59-72	4.3	2
247	Transcriptomic Profiling in Fins of Atlantic Salmon Parasitized with Sea Lice: Evidence for an Early Imbalance Between Chalimus-Induced Immunomodulation and the Host's Defense Response. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
246	Effect of Epigallocatechin Gallate on Viability of <i>Kudoa septempunctata</i> . <i>Korean Journal of Parasitology</i> , 2020 , 58, 593-597	1.7	
245	Isolation and characterization of phage (ETP-1) specific to multidrug resistant pathogenic <i>Edwardsiella tarda</i> and its in vivo biocontrol efficacy in zebrafish (<i>Danio rerio</i>). <i>Biologicals</i> , 2020 , 63, 14-23 ^{1,8}	4.3	17
244	Expression, subcellular localization, and potential antiviral function of three interferon regulatory factors in the big-belly seahorse (<i>Hippocampus abdominalis</i>). <i>Fish and Shellfish Immunology</i> , 2020 , 96, 297-310	4.3	2
243	An interferon-induced GTP-binding protein, Mx, from the redlip mullet, <i>Liza haematocheila</i> : Deciphering its structural features and immune function. <i>Fish and Shellfish Immunology</i> , 2020 , 96, 279-289 ^{4,3}	4.3	2
242	Transcriptional modifications and the cytoprotective, DNA protective, and wound healing effects of peroxiredoxin-1 from <i>Sebastes schlegelii</i> . <i>Fish and Shellfish Immunology</i> , 2020 , 107, 73-83	4.3	1
241	Comparative Characterization of Two Homologs in : Genomic, Transcriptional and Functional Analyses. <i>Biomolecules</i> , 2020 , 10,	5.9	2
240	Molecular insight into regulation of miRNAs in the spleen of zebrafish (<i>Danio rerio</i>) upon pathogenic <i>Streptococcus parauberis</i> infection. <i>Fish and Shellfish Immunology</i> , 2020 , 106, 898-909	4.3	1
239	Molecular and functional characterization of a mitochondrial glutathione reductase homolog from redlip mullet (<i>Liza haematocheila</i>): Disclosing its antioxidant properties in the fish immune response mechanism. <i>Developmental and Comparative Immunology</i> , 2020 , 113, 103785	3.2	3
238	Molecular expression analysis and characterization of rockfish (<i>Sebastes schlegelii</i>) B cell activating factor. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 250, 110480 ^{2,3}	4.3	3
237	Quadruple domain-containing galectin from marine invertebrate disk abalone (<i>Haliotis discus discus</i>): Molecular perspectives in early development, immune expression, and potent antiviral responses. <i>Fish and Shellfish Immunology</i> , 2020 , 106, 920-929	4.3	2
236	Molecular characterization, redox regulation, and immune responses of monothiol and dithiol glutaredoxins from disk abalone (<i>Haliotis discus discus</i>). <i>Fish and Shellfish Immunology</i> , 2020 , 107, 385-394 ^{4,3}	4.3	0
235	Molecular insights into peroxiredoxin 4 (HaPrx4) from the big-belly seahorse (<i>Hippocampus abdominalis</i>): Molecular characteristics, functional activity and transcriptional responses against immune stimulants. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 250, 110481	2.3	1

234	Candida albicans Infection Model in Zebrafish (Danio rerio) for Screening Anticandidal Drugs. <i>Mycopathologia</i> , 2019 , 184, 559-572	2.9	3
233	A new species Myxodavisia jejuensis n. sp. (Myxosporidia: Sinuolineidae) isolated from cultured olive flounder Paralichthys olivaceus in South Korea. <i>Parasitology Research</i> , 2019 , 118, 3105-3112	2.4	0
232	PLGA encapsulated inactivated-viral vaccine: Formulation and evaluation of its protective efficacy against viral haemorrhagic septicaemia virus (VHSV) infection in olive flounder (Paralichthys olivaceus) vaccinated by mucosal delivery routes. <i>Vaccine</i> , 2019 , 37, 973-983	4.1	25
231	Molecular characterization and expression analysis of rockfish (Sebastes schlegelii) viperin, and its ability to enervate RNA virus transcription and replication in vitro. <i>Fish and Shellfish Immunology</i> , 2019 , 92, 655-666	4.3	10
230	Molecular characterization and functional analysis of glutathione S-transferase kappa 1 (GSTκ1) from the big belly seahorse (Hippocampus abdominalis): Elucidation of its involvement in innate immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 92, 356-366	4.3	10
229	Immune and xenobiotic responses of glutathione S-Transferase theta (GSTθ) from marine invertebrate disk abalone (Haliotis discus discus): With molecular characterization and functional analysis. <i>Fish and Shellfish Immunology</i> , 2019 , 91, 159-171	4.3	8
228	Nanoencapsulation of inactivated-viral vaccine using chitosan nanoparticles: Evaluation of its protective efficacy and immune modulatory effects in olive flounder (Paralichthys olivaceus) against viral haemorrhagic septicaemia virus (VHSV) infection. <i>Fish and Shellfish Immunology</i> , 2019 , 91, 136-147	4.3	25
227	Glutaredoxin 1 from big-belly seahorse (Hippocampus abdominalis): Molecular, transcriptional, and functional evidence in teleost immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 90, 40-51	4.3	1
226	Cloning and functional characterization of rockfish peroxiredoxin 4 homolog with its innate immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 88, 364-374	4.3	5
225	Molecular cloning, characterization, and expression level analysis of a marine teleost homolog of catalase from big belly seahorse (Hippocampus abdominalis). <i>Fish and Shellfish Immunology</i> , 2019 , 89, 647-659	4.3	6
224	Molecular characterization, host defense mechanisms, and functional analysis of ERp44 from big-belly seahorse: A novel member of the teleost thioredoxin family present in the endoplasmic reticulum. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019 , 232, 31-41	2.3	3
223	Insight into the molecular function and transcriptional regulation of activator protein 1 (AP-1) components c-Jun/c-Fos ortholog in red lip mullet (Liza haematocheila). <i>Fish and Shellfish Immunology</i> , 2019 , 93, 597-611	4.3	7
222	Characterization of a catalase from red-lip mullet (Liza haematocheila): Demonstration of antioxidative activity and mRNA upregulation in response to immunostimulants. <i>Gene</i> , 2019 , 712, 143945	3.8	5
221	Molecular, transcriptional and functional delineation of Galectin-8 from black rockfish (Sebastes schlegelii) and its potential immunological role. <i>Fish and Shellfish Immunology</i> , 2019 , 93, 449-462	4.3	13
220	Sinuolinea capsularis (Myxosporidia: Sinuolineidae) Isolated from Urinary Bladder of Cultured Olive Flounder Paralichthys olivaceus. <i>Korean Journal of Parasitology</i> , 2019 , 57, 127-134	1.7	2
219	Kudoa ogawai (Myxosporidia: Kudoidae) Infection in Cultured Olive Flounder Paralichthys olivaceus. <i>Korean Journal of Parasitology</i> , 2019 , 57, 439-444	1.7	
218	Glutaredoxin 2 from big belly seahorse (Hippocampus abdominalis) and its potential involvement in cellular redox homeostasis and host immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 95, 411-424	4.3	1
217	First Draft Genome Assembly of Redlip Mullet (Liza haematocheila) From Family Mugilidae. <i>Frontiers in Genetics</i> , 2019 , 10, 1246	4.5	3

216	Dietary Immunostimulant CpG Modulates MicroRNA Biomarkers Associated with Immune Responses in Atlantic Salmon (). <i>Cells</i> , 2019 , 8,	7.9	16
215	Two phospholipid scramblase 1-related proteins (PLSCR1like-a & -b) from <i>Liza haematocheila</i> : Molecular and transcriptional features and expression analysis after immune stimulation. <i>Fish and Shellfish Immunology</i> , 2019 , 87, 32-42	4.3	1
214	Molecular and transcriptional insights into viperin protein from Big-belly seahorse (<i>Hippocampus abdominalis</i>), and its potential antiviral role. <i>Fish and Shellfish Immunology</i> , 2019 , 86, 599-607	4.3	11
213	Identification of thioredoxin domain-containing protein 17 from big-belly seahorse <i>Hippocampus abdominalis</i> : Molecular insights, immune responses, and functional characterization. <i>Fish and Shellfish Immunology</i> , 2019 , 86, 301-310	4.3	5
212	Molecular characterization of big-belly seahorse (<i>Hippocampus abdominalis</i>) arachidonate 5-lipoxygenase (HaALOX5): First evidence of an immune defensive role by induced immunological stress in teleost. <i>Fish and Shellfish Immunology</i> , 2019 , 86, 230-238	4.3	0
211	Quantitative investigation of <i>Enteromyxum leei</i> (Myxozoa: Myxosporidia) infection and relative condition factor in cultured olive flounder <i>Paralichthys olivaceus</i> (Temminck and Schlegel). <i>Journal of Fish Diseases</i> , 2019 , 42, 159-165	2.6	2
210	Stress-immune responses and DNA protection function of thioredoxin domain containing 12 in zebrafish (<i>Danio rerio</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 84, 1030-1040	4.3	0
209	Transcriptome-wide identification, functional characterization, and expression analysis of two novel invertebrate-type Toll-like receptors from disk abalone (<i>Haliotis discus discus</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 84, 802-815	4.3	12
208	Molecular characterization and expression analysis of big-belly seahorse (<i>Hippocampus abdominalis</i>) interleukin-10 and analysis of its potent anti-inflammatory properties in LPS-induced murine macrophage RAW 264.7 cells. <i>Gene</i> , 2019 , 685, 1-11	3.8	5
207	Identification and characterization of a carboxypeptidase N1 from red lip mullet (<i>Liza haematocheila</i>); revealing its immune relevance. <i>Fish and Shellfish Immunology</i> , 2019 , 84, 223-232	4.3	1
206	Characterization of four C1q/TNF-related proteins (CTRPs) from red-lip mullet (<i>Liza haematocheila</i>) and their transcriptional modulation in response to bacterial and pathogen-associated molecular pattern stimuli. <i>Fish and Shellfish Immunology</i> , 2019 , 84, 158-168	4.3	2
205	A manganese superoxide dismutase (MnSOD) from red lip mullet, <i>Liza haematocheila</i> : Evaluation of molecular structure, immune response, and antioxidant function. <i>Fish and Shellfish Immunology</i> , 2019 , 84, 73-82	4.3	7
204	Chitosan nanoparticles: A positive immune response modulator as display in zebrafish larvae against <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , 2018 , 76, 240-246	4.3	31
203	Transcriptional profiling, molecular cloning, and functional analysis of C1 inhibitor, the main regulator of the complement system in black rockfish, <i>Sebastes schlegelii</i> . <i>Fish and Shellfish Immunology</i> , 2018 , 75, 263-273	4.3	4
202	Molecular characterization of kappa class glutathione S-transferase from the disk abalone (<i>Haliotis discus discus</i>) and changes in expression following immune and stress challenges. <i>Fish and Shellfish Immunology</i> , 2018 , 77, 252-263	4.3	16
201	Antioxidative properties and structural features of atypical 2-Cys peroxiredoxin from <i>Sebastes schlegelii</i> . <i>Developmental and Comparative Immunology</i> , 2018 , 82, 152-164	3.2	4
200	Characterization of a Kazal-type serine protease inhibitor from black rockfish <i>Sebastes schlegelii</i> and its possible role in hepatic immune response. <i>Fish and Shellfish Immunology</i> , 2018 , 74, 485-490	4.3	8
199	Molecular characterization of thioredoxin-like protein 1 (TXNL1) from big-belly seahorse <i>Hippocampus abdominalis</i> in response to immune stimulation. <i>Fish and Shellfish Immunology</i> , 2018 , 75, 181-189	4.3	9

198	Molecular diagnostics for verifying an etiological agent of emaciation disease in cultured olive flounder <i>Paralichthys olivaceus</i> in Korea. <i>Aquaculture</i> , 2018 , 493, 18-25	4.4	7
197	A comparative study of three akirin genes from big belly seahorse <i>Hippocampus abdominalis</i> : Molecular, transcriptional and functional characterization. <i>Fish and Shellfish Immunology</i> , 2018 , 74, 584-592	4.3	5
196	Molecular identification and functional analysis of two variants of myeloid differentiation factor 88 (MyD88) from disk abalone (<i>Haliotis discus discus</i>). <i>Developmental and Comparative Immunology</i> , 2018 , 79, 113-127	3.2	14
195	Membrane attack complex-associated molecules from redlip mullet (<i>Liza haematocheila</i>): Molecular characterization and transcriptional evidence of C6, C7, C8 and C9 in innate immunity. <i>Fish and Shellfish Immunology</i> , 2018 , 81, 1-9	4.3	11
194	Analysis of complete genome and pathogenicity studies of the spring viremia of carp virus isolated from common carp (<i>Cyprinus carpio carpio</i>) and largemouth bass (<i>Micropterus salmoides</i>): An indication of SVC disease threat in Korea. <i>Virus Research</i> , 2018 , 255, 105-116	6.4	5
193	Insights into the multifunctional role of natural killer enhancing factor-A (NKEF-A/Prx1) in big-belly seahorse (<i>Hippocampus abdominalis</i>): DNA protection, insulin reduction, HO scavenging, and immune modulation activity. <i>Gene</i> , 2018 , 642, 324-334	3.8	9
192	Molecular features and the transcriptional and functional delineation of complement system activators C1r and C1s from <i>Sebastes schlegelii</i> . <i>Developmental and Comparative Immunology</i> , 2018 , 81, 279-290	3.2	1
191	Synthesis, characterization of ZnO-chitosan nanocomposites and evaluation of its antifungal activity against pathogenic <i>Candida albicans</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 1281-1288	7.9	51
190	Identification and characterization of a calcium-dependent lily-type lectin from black rockfish (<i>Sebastes schlegelii</i>): Molecular antennas are involved in host defense via pathogen recognition. <i>Developmental and Comparative Immunology</i> , 2018 , 81, 54-62	3.2	13
189	Identification and characterization of molluscan caveolin-1 ortholog from <i>Haliotis discus discus</i> : Possible involvement in embryogenesis and host defense mechanism against pathogenic stress. <i>Gene Expression Patterns</i> , 2018 , 27, 85-92	1.5	1
188	Two metalloenzymes from rockfish (<i>Sebastes schlegelii</i>): Deciphering their potential involvement in redox homeostasis against oxidative stress. <i>Fish and Shellfish Immunology</i> , 2018 , 80, 31-45	4.3	2
187	Complete genome sequence and phylogenetic analysis of spring viremia of carp virus isolated from leather carp (<i>Cyprinus carpio nudus</i>) in Korea in 2016. <i>Archives of Virology</i> , 2018 , 163, 2917-2919	2.6	4
186	Outcome of co-infection with opportunistic and multidrug resistant <i>Aeromonas hydrophila</i> and <i>A. veronii</i> in zebrafish: Identification, characterization, pathogenicity and immune responses. <i>Fish and Shellfish Immunology</i> , 2018 , 80, 573-581	4.3	37
185	Identification of a gene encoding a membrane-anchored toll-like receptor 5 (TLR5M) in <i>Oplegnathus fasciatus</i> that responds to flagellin challenge and activates NF- κ B. <i>Fish and Shellfish Immunology</i> , 2017 , 62, 276-290	4.3	12
184	A homolog of teleostean signal transducer and activator of transcription 3 (STAT3) from rock bream, <i>Oplegnathus fasciatus</i> : Structural insights, transcriptional modulation, and subcellular localization. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 186, 29-40	2	3
183	Green synthesis, physio-chemical characterization and anti-candidal function of a biocompatible chitosan gold nanocomposite as a promising antifungal therapeutic agent. <i>RSC Advances</i> , 2017 , 7, 9182-9193	3.7	19
182	Molecular cloning, transcriptional profiling, and subcellular localization of signal transducer and activator of transcription 2 (STAT2) ortholog from rock bream, <i>Oplegnathus fasciatus</i> . <i>Gene</i> , 2017 , 626, 95-105	3.8	3
181	Metagenomics analysis of gut microbiota and immune modulation in zebrafish (<i>Danio rerio</i>) fed chitosan silver nanocomposites. <i>Fish and Shellfish Immunology</i> , 2017 , 66, 173-184	4.3	57

180	In vitro and in vivo antifungal efficacy of plant based lawsone against <i>Fusarium oxysporum</i> species complex. <i>Microbiological Research</i> , 2017 , 201, 21-29	5.3	21
179	Molecular, transcriptional and functional insights into duplicated goose-type lysozymes from <i>Sebastes schlegelii</i> and their potential immunological role. <i>Fish and Shellfish Immunology</i> , 2017 , 67, 66-77	4.3	8
178	Protective immunity against Megalocytivirus infection in rock bream (<i>Oplegnathus fasciatus</i>) following CpG ODN administration. <i>Vaccine</i> , 2017 , 35, 3691-3699	4.1	13
177	Two distinct CXC chemokine receptors (CXCR3 and CXCR4) from the big-belly seahorse <i>Hippocampus abdominalis</i> : Molecular perspectives and immune defensive role upon pathogenic stress. <i>Fish and Shellfish Immunology</i> , 2017 , 65, 59-70	4.3	10
176	A proto-type galectin-2 from rock bream (<i>Oplegnathus fasciatus</i>): Molecular, genomic, and expression analysis, and recognition of microbial pathogens by recombinant protein. <i>Developmental and Comparative Immunology</i> , 2017 , 71, 70-81	3.2	8
175	Molecular identification and functional delineation of a glutathione reductase homolog from disk abalone (<i>Haliotis discus discus</i>): Insights as a potent player in host antioxidant defense. <i>Fish and Shellfish Immunology</i> , 2017 , 60, 355-367	4.3	5
174	Preparation, Characterization, and Antimicrobial Properties of Chitosan-Silver Nanocomposites Films Against Fish Pathogenic Bacteria and Fungi. <i>Indian Journal of Microbiology</i> , 2017 , 57, 427-437	3.7	10
173	Molecular insights of two STAT1 variants from rock bream (<i>Oplegnathus fasciatus</i>) and their transcriptional regulation in response to pathogenic stress, interleukin-10, and tissue injury. <i>Fish and Shellfish Immunology</i> , 2017 , 69, 128-141	4.3	5
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166	Silver nanoparticles enhance wound healing in zebrafish (<i>Danio rerio</i>). <i>Fish and Shellfish Immunology</i> , 2017 , 68, 536-545	4.3	32
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