

Navaneethaiyer Umasuthan

List of Publications by Citations

Source:

<https://exaly.com/author-pdf/1845543/navaneethaiyer-umasuthan-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Graphene oxide nanostructures modified multifunctional cotton fabrics. <i>Applied Nanoscience (Switzerland)</i> , 2012 , 2, 119-126	3.3	82
286	Antibacterial Activity of Graphene Oxide Nanosheets. <i>Science of Advanced Materials</i> , 2012 , 4, 1111-1117	2.3	81
285	Transcriptional analysis of antioxidant and immune defense genes in disk abalone (<i>Haliotis discus discus</i>) during thermal, low-salinity and hypoxic stress. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009 , 154, 387-95	2.3	73
284	First molluscan TNF-alpha homologue of the TNF superfamily in disk abalone: molecular characterization and expression analysis. <i>Fish and Shellfish Immunology</i> , 2009 , 26, 625-31	4.3	65
283	Two ferritin subunits from disk abalone (<i>Haliotis discus discus</i>): cloning, characterization and expression analysis. <i>Fish and Shellfish Immunology</i> , 2007 , 23, 624-35	4.3	62
282	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
281	Comparative study on antifungal activities of chitosan nanoparticles and chitosan silver nano composites against <i>Fusarium oxysporum</i> species complex. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 478-488	7.9	56
280	A manganese superoxide dismutase (MnSOD) from <i>Ruditapes philippinarum</i> : comparative structural- and expressional-analysis with copper/zinc superoxide dismutase (Cu/ZnSOD) and biochemical analysis of its antioxidant activities. <i>Fish and Shellfish Immunology</i> , 2012 , 33, 753-65	4.3	55
279	A novel C-type lectin from abalone, <i>Haliotis discus discus</i> , agglutinates <i>Vibrio alginolyticus</i> . <i>Developmental and Comparative Immunology</i> , 2008 , 32, 1034-40	3.2	54
278	Molecular evidence for the existence of lipopolysaccharide-induced TNF-alpha factor (LITAF) and Rel/NF-kB pathways in disk abalone (<i>Haliotis discus discus</i>). <i>Fish and Shellfish Immunology</i> , 2010 , 28, 754-63	4.3	52
277	Effect of cadmium exposure on expression of antioxidant gene transcripts in the river pufferfish, <i>Takifugu obscurus</i> (Tetraodontiformes). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 473-9	3.2	52
276	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
275	Characterization and expression analysis of a goose-type lysozyme from the rock bream <i>Oplegnathus fasciatus</i> , and antimicrobial activity of its recombinant protein. <i>Fish and Shellfish Immunology</i> , 2011 , 30, 532-42	4.3	50
274	Cloning, characterization and tissue expression of disk abalone (<i>Haliotis discus discus</i>) catalase. <i>Fish and Shellfish Immunology</i> , 2008 , 24, 267-78	4.3	49
273	Mitochondrial thioredoxin-2 from disk abalone (<i>Haliotis discus discus</i>): molecular characterization, tissue expression and DNA protection activity of its recombinant protein. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 149, 630-9	2.3	47
272	Validation of housekeeping genes as internal controls for studying biomarkers of endocrine-disrupting chemicals in disk abalone by real-time PCR. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011 , 153, 259-68	3.2	38
271	Molecular cloning and functional characterization of two duplicated two-cysteine containing type I interferon genes in rock bream <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2012 , 33, 886-98	4.3	37

270	Molecular characterization of mu class glutathione-S-transferase from disk abalone (<i>Haliotis discus discus</i>), a potential biomarker of endocrine-disrupting chemicals. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 150, 187-99	2.3	37
269	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
268	Interferon regulatory factors 4 and 8 in rock bream, <i>Oplegnathus fasciatus</i> : structural and expressional evidence for their antimicrobial role in teleosts. <i>Fish and Shellfish Immunology</i> , 2012 , 33, 857-71	4.3	36
267	Transcriptional up-regulation of disk abalone selenium dependent glutathione peroxidase by H ₂ O ₂ oxidative stress and <i>Vibrio alginolyticus</i> bacterial infection. <i>Fish and Shellfish Immunology</i> , 2008 , 25, 446-57	4.3	36
266	Gene expression of pro- and anti-apoptotic proteins in rock bream (<i>Oplegnathus fasciatus</i>) infected with megalocytivirus (family Iridoviridae). <i>Fish and Shellfish Immunology</i> , 2014 , 37, 122-30	4.3	35
265	Molecular cloning and characterization of Mn-superoxide dismutase from disk abalone (<i>Haliotis discus discus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006 , 145, 318-24	2.3	35
264	Feeding of nano scale oats β glucan enhances the host resistance against <i>Edwardsiella tarda</i> and protective immune modulation in zebrafish larvae. <i>Fish and Shellfish Immunology</i> , 2017 , 60, 72-77	4.3	34
263	Rock bream (<i>Oplegnathus fasciatus</i>) serpin, protease nexin-1: transcriptional analysis and characterization of its antiprotease and anticoagulant activities. <i>Developmental and Comparative Immunology</i> , 2011 , 35, 785-98	3.2	33
262	Silver nanoparticles enhance wound healing in zebrafish (<i>Danio rerio</i>). <i>Fish and Shellfish Immunology</i> , 2017 , 68, 536-545	4.3	32
261	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
260	A novel acute phase reactant, serum amyloid A-like 1, from <i>Oplegnathus fasciatus</i> : genomic and molecular characterization and transcriptional expression analysis. <i>Developmental and Comparative Immunology</i> , 2012 , 37, 294-305	3.2	31
259	Molecular characterization, immune responses and DNA protection activity of rock bream (<i>Oplegnathus fasciatus</i>), peroxiredoxin 6 (Prx6). <i>Fish and Shellfish Immunology</i> , 2012 , 33, 28-35	4.3	31
258	Characterization of a novel molluscan MyD88 family protein from manila clam, <i>Ruditapes philippinarum</i> . <i>Fish and Shellfish Immunology</i> , 2011 , 31, 887-93	4.3	31
257	Characterization and expression analysis of the myeloid differentiation factor 88 (MyD88) in rock bream <i>Oplegnathus fasciatus</i> . <i>Molecular Biology Reports</i> , 2011 , 38, 3911-20	2.8	31
256	Molecular cloning, characterization and expression analysis of peroxiredoxin 6 from disk abalone <i>Haliotis discus discus</i> and the antioxidant activity of its recombinant protein. <i>Fish and Shellfish Immunology</i> , 2009 , 27, 239-49	4.3	31
255	A manganese superoxide dismutase with potent antioxidant activity identified from <i>Oplegnathus fasciatus</i> : genomic structure and transcriptional characterization. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 23-37	4.3	30
254	Effects of LED light spectra on the growth of the yellowtail clownfish <i>Amphiprion clarkii</i> . <i>Fisheries Science</i> , 2012 , 78, 549-556	1.9	30
253	Molecular cloning and characterization of three sigma glutathione S-transferases from disk abalone (<i>Haliotis discus discus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 151, 257-67	2.3	30

252	Molecular cloning and expression analysis of interferon-gamma inducible lysosomal thiol reductase (GILT)-like cDNA from disk abalone (<i>Haliotis discus discus</i>). <i>Journal of Invertebrate Pathology</i> , 2007 , 96, 221-9	2.6	30
251	Gene structure, molecular characterization and transcriptional expression of two p38 isoforms (MAPK11 and MAPK14) from rock bream (<i>Oplegnathus fasciatus</i>). <i>Fish and Shellfish Immunology</i> , 2015 , 47, 331-43	4.3	28
250	Molecular characterization and comparative expression analysis of two teleostean pro-inflammatory cytokines, IL-1 β and IL-8, from <i>Sebastes schlegeli</i> . <i>Gene</i> , 2016 , 575, 732-42	3.8	28
249	First comparative characterization of three distinct ferritin subunits from a teleost: Evidence for immune-responsive mRNA expression and iron depriving activity of seahorse (<i>Hippocampus abdominalis</i>) ferritins. <i>Fish and Shellfish Immunology</i> , 2016 , 49, 450-60	4.3	27
248	Molecular and functional characterization of HdHSP20: a biomarker of environmental stresses in disk abalone <i>Haliotis discus discus</i> . <i>Fish and Shellfish Immunology</i> , 2012 , 33, 48-59	4.3	27
247	Molluscan death effector domain (DED)-containing caspase-8 gene from disk abalone (<i>Haliotis discus discus</i>): molecular characterization and expression analysis. <i>Fish and Shellfish Immunology</i> , 2011 , 30, 480-7	4.3	27
246	A novel molluscan sigma-like glutathione S-transferase from Manila clam, <i>Ruditapes philippinarum</i> : cloning, characterization and transcriptional profiling. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 539-50	3.2	26
245	PLGA encapsulated inactivated-viral vaccine: Formulation and evaluation of its protective efficacy against viral haemorrhagic septicaemia virus (VHSV) infection in olive flounder (<i>Paralichthys olivaceus</i>) vaccinated by mucosal delivery routes. <i>Vaccine</i> , 2019 , 37, 973-983	4.1	25
244	Nanoencapsulation of inactivated-viral vaccine using chitosan nanoparticles: Evaluation of its protective efficacy and immune modulatory effects in olive flounder (<i>Paralichthys olivaceus</i>) against viral haemorrhagic septicaemia virus (VHSV) infection. <i>Fish and Shellfish Immunology</i> , 2019 , 91, 136-147	4.3	25
243	A bifunctional invertebrate-type lysozyme from the disk abalone, <i>Haliotis discus discus</i> : genome organization, transcriptional profiling and biological activities of recombinant protein. <i>Developmental and Comparative Immunology</i> , 2013 , 41, 282-94	3.2	25
242	Cytosolic thioredoxin from <i>Ruditapes philippinarum</i> : molecular cloning, characterization, expression and DNA protection activity of the recombinant protein. <i>Developmental and Comparative Immunology</i> , 2012 , 36, 85-92	3.2	25
241	Heparin cofactor II (RbHCII) from rock bream (<i>Oplegnathus fasciatus</i>): molecular characterization, cloning and expression analysis. <i>Fish and Shellfish Immunology</i> , 2011 , 30, 194-208	4.3	25
240	A novel Fas ligand in mollusk abalone: molecular characterization, immune responses and biological activity of the recombinant protein. <i>Fish and Shellfish Immunology</i> , 2009 , 27, 423-32	4.3	25
239	Antibacterial activity and immune responses of a molluscan macrophage expressed gene-1 from disk abalone, <i>Haliotis discus discus</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 39, 263-72	4.3	24
238	Immune response-related gene expression profile of a novel molluscan IB protein member from Manila clam (<i>Ruditapes philippinarum</i>). <i>Molecular Biology Reports</i> , 2013 , 40, 1519-27	2.8	24
237	Evidences for the involvement of an invertebrate goose-type lysozyme in disk abalone immunity: cloning, expression analysis and antimicrobial activity. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1369-79	4.3	24
236	First molluscan theta-class Glutathione S-Transferase: identification, cloning, characterization and transcriptional analysis post immune challenges. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012 , 162, 10-23	2.3	24
235	Ferritin H-like subunit from Manila clam (<i>Ruditapes philippinarum</i>): molecular insights as a potent player in host antibacterial defense. <i>Fish and Shellfish Immunology</i> , 2012 , 33, 926-36	4.3	23

234	Caspase 3 from rock bream (<i>Oplegnathus fasciatus</i>): genomic characterization and transcriptional profiling upon bacterial and viral inductions. <i>Fish and Shellfish Immunology</i> , 2012 , 33, 99-110	4.3	23
233	The effect of LED light spectra on antioxidant system by thermal stress in goldfish, <i>Carassius auratus</i> . <i>Molecular and Cellular Toxicology</i> , 2014 , 10, 47-58	1.6	22
232	A C1 inhibitor ortholog from rock bream (<i>Oplegnathus fasciatus</i>): molecular perspectives of a central regulator in terms of its genomic arrangement, transcriptional profiles and anti-protease activities of recombinant peptide. <i>Developmental and Comparative Immunology</i> , 2014 , 42, 197-210	3.2	22
231	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
230	Isolated from Rainbow Trout in Korea: Characterization, Anti- Activity and Host Pathogen Interaction in Zebrafish Disease Model. <i>Mycobiology</i> , 2017 , 45, 297-311	1.7	21
229	Two carboxypeptidase counterparts from rock bream (<i>Oplegnathus fasciatus</i>): molecular characterization, genomic arrangement and immune responses upon pathogenic stresses. <i>Veterinary Immunology and Immunopathology</i> , 2014 , 162, 180-91	2	21
228	First molluscan transcription factor activator protein-1 (Ap-1) member from disk abalone and its expression profiling against immune challenge and tissue injury. <i>Fish and Shellfish Immunology</i> , 2010 , 29, 1028-36	4.3	21
227	Transcriptional analysis of disk abalone (<i>Haliotis discus discus</i>) antioxidant enzymes against marine bacteria and virus challenge. <i>Fish and Shellfish Immunology</i> , 2011 , 31, 155-60	4.3	20
226	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
225	Functional characterization of the evolutionarily preserved mitochondrial antiviral signaling protein (MAVS) from rock bream, <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 40, 399-406	4.3	19
224	Mitochondrial peroxiredoxin 3 (Prx3) from rock bream (<i>Oplegnathus fasciatus</i>): immune responses and role of recombinant Prx3 in protecting cells from hydrogen peroxide induced oxidative stress. <i>Fish and Shellfish Immunology</i> , 2015 , 43, 131-41	4.3	19
223	Mitochondrial thioredoxin-2 from Manila clam (<i>Ruditapes philippinarum</i>) is a potent antioxidant enzyme involved in antibacterial response. <i>Fish and Shellfish Immunology</i> , 2012 , 32, 513-23	4.3	19
222	Novel omega glutathione S-transferases in disk abalone: Characterization and protective roles against environmental stress. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 150, 558-68	3.2	19
221	A teleostan homolog of catalase from black rockfish (<i>Sebastes schlegelii</i>): insights into functional roles in host antioxidant defense and expressional responses to septic conditions. <i>Fish and Shellfish Immunology</i> , 2015 , 44, 321-31	4.3	18
220	Molecular insights of the first gastropod TLR counterpart from disk abalone (<i>Haliotis discus discus</i>), revealing its transcriptional modulation under pathogenic stress. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 334-42	4.3	18
219	Two duplicated chicken-type lysozyme genes in disc abalone <i>Haliotis discus discus</i> : molecular aspects in relevance to structure, genomic organization, mRNA expression and bacteriolytic function. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 284-99	4.3	18
218	Manganese-superoxide dismutase (MnSOD), a role player in seahorse (<i>Hippocampus abdominalis</i>) antioxidant defense system and adaptive immune system. <i>Fish and Shellfish Immunology</i> , 2017 , 68, 435-442	4.3	18
217	Chitosan silver nanocomposite (CAgNC) as an antifungal agent against <i>Candida albicans</i> . <i>Medical Mycology</i> , 2017 , 55, 213-222	3.9	18

216	Microarray analysis of gene expression in disk abalone <i>Haliotis discus discus</i> after bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2011 , 30, 661-73	4.3	18
215	Copper-zinc-superoxide dismutase (CuZnSOD), an antioxidant gene from seahorse (<i>Hippocampus abdominalis</i>); molecular cloning, sequence characterization, antioxidant activity and potential peroxidation function of its recombinant protein. <i>Fish and Shellfish Immunology</i> , 2016 , 57, 386-399	4.3	18
214	A teleostean counterpart of ferritin M subunit from rock bream (<i>Oplegnathus fasciatus</i>): an active constituent in iron chelation and DNA protection against oxidative damage, with a modulated expression upon pathogen stress. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1455-65	4.3	17
213	Identification of scuticociliates (<i>Pseudocohnilembus persalinus</i> , <i>P. longisetus</i> , <i>Uronema marinum</i> and <i>Miamiensis avidus</i>) based on the <i>cox1</i> sequence. <i>Parasitology International</i> , 2013 , 62, 7-13	2.1	17
212	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
211	A potential antioxidant enzyme belonging to the atypical 2-Cys peroxiredoxin subfamily characterized from rock bream, <i>Oplegnathus fasciatus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015 , 187, 1-13	2.3	16
210	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
209	Two NF- κ B inhibitor-alpha (<i>IκBα</i>) genes from rock bream (<i>Oplegnathus fasciatus</i>): molecular characterization, genomic organization and mRNA expression analysis after immune stimulation. <i>Fish and Shellfish Immunology</i> , 2014 , 41, 633-42	4.3	16
208	Genomic characterization and expression analysis of complement component 9 in rock bream (<i>Oplegnathus fasciatus</i>). <i>Fish and Shellfish Immunology</i> , 2012 , 33, 707-17	4.3	16
207	Dietary Immunostimulant CpG Modulates MicroRNA Biomarkers Associated with Immune Responses in Atlantic Salmon (<i>Salmo salar</i> L.). <i>Cells</i> , 2019 , 8,	7.9	16
206	Antimicrobial response of galectin-1 from rock bream <i>Oplegnathus fasciatus</i> : Molecular, transcriptional, and biological characterization. <i>Fish and Shellfish Immunology</i> , 2016 , 50, 66-78	4.3	15
205	Identification and molecular characterization of peroxiredoxin 6 from Japanese eel (<i>Anguilla japonica</i>) revealing its potent antioxidant properties and putative immune relevancy. <i>Fish and Shellfish Immunology</i> , 2016 , 51, 291-302	4.3	15
204	Characterization of rock bream (<i>Oplegnathus fasciatus</i>) cytosolic Cu/Zn superoxide dismutase in terms of molecular structure, genomic arrangement, stress-induced mRNA expression and antioxidant function. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014 , 176, 18-33	2.3	15
203	Analysis of Digestive Gland Expressed Sequence Tag Library from the Disk Abalone, <i>Haliotis discus discus</i> . <i>Journal of the World Aquaculture Society</i> , 2006 , 37, 96-106	2.5	15
202	Molecular genomic- and transcriptional-aspects of a teleost TRAF6 homolog: Possible involvement in immune responses of <i>Oplegnathus fasciatus</i> against pathogens. <i>Fish and Shellfish Immunology</i> , 2015 , 42, 66-78	4.3	14
201	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
200	Molecular characterization, transcriptional profiling, and antibacterial potential of G-type lysozyme from seahorse (<i>Hippocampus abdominalis</i>). <i>Fish and Shellfish Immunology</i> , 2016 , 58, 622-630	4.3	14
199	Molecular, genomic, and expressional delineation of a piscidin from rock bream (<i>Oplegnathus fasciatus</i>) with evidence for the potent antimicrobial activities of Of-Pis1 peptide. <i>Fish and Shellfish Immunology</i> , 2016 , 48, 154-68	4.3	14

198	Molecular characterization of two immunity-related acute-phase proteins: Haptoglobin and serum amyloid A from black rockfish (<i>Sebastes schlegelii</i>). <i>Fish and Shellfish Immunology</i> , 2015 , 45, 680-8	4.3	14
197	Molecular characterization and gene expression analysis of a pattern recognition protein from disk abalone, <i>Haliotis discus discus</i> . <i>Fish and Shellfish Immunology</i> , 2008 , 25, 638-47	4.3	14
196	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
195	Two variants of selenium-dependent glutathione peroxidase from the disk abalone <i>Haliotis discus discus</i> : Molecular characterization and immune responses to bacterial and viral stresses. <i>Fish and Shellfish Immunology</i> , 2015 , 45, 648-55	4.3	13
194	Molecular, transcriptional and functional delineation of Galectin-8 from black rockfish (<i>Sebastes schlegelii</i>) and its potential immunological role. <i>Fish and Shellfish Immunology</i> , 2019 , 93, 449-462	4.3	13
193	Molecular characterization and transcriptional analysis of non-mammalian type Toll like receptor (TLR21) from rock bream (<i>Oplegnathus fasciatus</i>). <i>Gene</i> , 2014 , 553, 105-16	3.8	13
192	Molecular aspects, genomic arrangement and immune responsive mRNA expression profiles of two CXC chemokine receptor homologs (CXCR1 and CXCR2) from rock bream, <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 40, 304-18	4.3	13
191	Structural characterization and expression analysis of a beta-thymosin homologue (T β) in disk abalone, <i>Haliotis discus discus</i> . <i>Gene</i> , 2013 , 527, 376-83	3.8	13
190	Genomic characterization and transcriptional evidence for the involvement of complement component 7 in immune response of rock bream (<i>Oplegnathus fasciatus</i>). <i>Developmental and Comparative Immunology</i> , 2013 , 41, 44-9	3.2	13
189	Rock bream iridovirus (RBIV) replication in rock bream (<i>Oplegnathus fasciatus</i>) exposed for different time periods to susceptible water temperatures. <i>Fish and Shellfish Immunology</i> , 2017 , 70, 731-738	4.3	13
188	Genomic characterization and expression profiles upon bacterial infection of a novel cystatin B homologue from disk abalone (<i>Haliotis discus discus</i>). <i>Developmental and Comparative Immunology</i> , 2012 , 38, 495-504	3.2	13
187	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
186	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
185	Molecular characterization, genomic structure and expressional profiles of a CXC chemokine receptor 4 (CXCR4) from rock bream <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2015 , 44, 471-7	4.3	12
184	Genomic characterization and expression analysis of complement component 8 α and 8 β in rock bream (<i>Oplegnathus fasciatus</i>). <i>Developmental and Comparative Immunology</i> , 2013 , 39, 279-92	3.2	12
183	Three complement component 1q genes from rock bream, <i>Oplegnathus fasciatus</i> : genome characterization and potential role in immune response against bacterial and viral infections. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1442-54	4.3	12
182	Disk abalone (<i>Haliotis discus discus</i>) expresses a novel antistasin-like serine protease inhibitor: Molecular cloning and immune response against bacterial infection. <i>Fish and Shellfish Immunology</i> , 2010 , 28, 661-71	4.3	12
181	Diurnal and circadian regulations by three melatonin receptors in the brain and retina of olive flounder <i>Paralichthys olivaceus</i> : profiles following exogenous melatonin. <i>Marine and Freshwater Behaviour and Physiology</i> , 2011 , 44, 223-238	1.1	12

180	Characterization of beta-1,4-endoglucanase as a polysaccharide-degrading digestive enzyme from disk abalone, <i>Haliotis discus discus</i> . <i>Aquaculture International</i> , 2010 , 18, 1061-1078	2.6	12
179	A Newly Identified Glutaminase-Free L-Asparaginase (L-ASPG86) from the Marine Bacterium <i>Mesoflavibacter zeaxanthinifaciens</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016 , 26, 1115-23	3.3	12
178	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
177	Characterization of rock bream (<i>Oplegnathus fasciatus</i>) complement components C1r and C1s in terms of molecular aspects, genomic modulation, and immune responsive transcriptional profiles following bacterial and viral pathogen exposure. <i>Fish and Shellfish Immunology</i> , 2015 , 46, 656-68	4.3	11
176	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
175	Molecular profile and functional characterization of the ferritin H subunit from rock bream (<i>Oplegnathus fasciatus</i>), revealing its putative role in host antioxidant and immune defense. <i>Developmental and Comparative Immunology</i> , 2014 , 47, 104-14	3.2	11
174	Genomic characterization of interferon regulatory factor 5 from rock bream (<i>Oplegnathus fasciatus</i>) and its role in antiviral defense. <i>Fish and Shellfish Immunology</i> , 2014 , 37, 256-67	4.3	11
173	Marine teleost ortholog of catalase from rock bream (<i>Oplegnathus fasciatus</i>): molecular perspectives from genomic organization to enzymatic behavior with respect to its potent antioxidant properties. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1086-96	4.3	11
172	Insights into molecular profiles and genomic evolution of an IRAK4 homolog from rock bream (<i>Oplegnathus fasciatus</i>): immunogen- and pathogen-induced transcriptional expression. <i>Fish and Shellfish Immunology</i> , 2015 , 43, 436-48	4.3	11
171	Molecular cloning and characterization of SOCS-2 from Manila clam <i>Ruditapes philippinarum</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 36, 453-8	4.3	11
170	Molecular characterization and expression analysis of regucalcin in disk abalone (<i>Haliotis discus discus</i>): intramuscular calcium administration stimulates the regucalcin mRNA expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008 , 150, 117-24	2.3	11
169	A galectin related protein from <i>Oplegnathus fasciatus</i> : Genomic, molecular, transcriptional features and biological responses against microbial pathogens. <i>Developmental and Comparative Immunology</i> , 2016 , 56, 13-24	3.2	11
168	Molecular characterization and expression analysis of B cell activating factor from rock bream (<i>Oplegnathus fasciatus</i>). <i>Developmental and Comparative Immunology</i> , 2016 , 55, 1-11	3.2	11
167	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
166	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
165	Molecular characterization and expression analysis of rockfish (<i>Sebastes schlegelii</i>) 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
164	Molecular characterization and functional analysis of glutathione S-transferase kappa 1 (GST κ) from the big belly seahorse (<i>Hippocampus abdominalis</i>): Elucidation of its involvement in innate immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 92, 356-366	4.3	10
163	Identification of a C-reactive protein like homologue from black rockfish (<i>Sebastes schlegelii</i>) evidencing its potent anti-microbial properties at molecular level. <i>Developmental and Comparative Immunology</i> , 2015 , 53, 169-78	3.2	10

162	Transcriptomic Profiling in Fins of Atlantic Salmon Parasitized with Sea Lice: Evidence for an Early Imbalance Between Chalimus-Induced Immunomodulation and the Host Defense Response. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
161	Comparative study of preparation, characterization and anticandidal activities of a chitosan silver nanocomposite (CAgNC) compared with low molecular weight chitosan (LMW-chitosan). <i>RSC Advances</i> , 2016 , 6, 33455-33461	3.7	10
160	Profiles of photosynthetic pigment accumulation and expression of photosynthesis-related genes in the marine cyanobacteria <i>Synechococcus</i> sp.: Effects of LED wavelengths. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 250-256	3.1	10
159	Characterization of MIF family proteins: MIF and DDT from rock bream, <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 35, 458-68	4.3	10
158	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
157	cDNA microarray analysis of disk abalone genes in gills and hemocytes after viral hemorrhagic septicemia virus (VHSV) challenge. <i>Fish and Shellfish Immunology</i> , 2012 , 32, 1205-15	4.3	10
156	Effects of LED spectral sensitivity on circadian rhythm-related genes in the yellowtail clownfish, <i>Amphiprion clarkii</i> . <i>Animal Cells and Systems</i> , 2013 , 17, 99-105	2.3	10
155	Effect of hypoosmotic and thermal stress on gene expression and the activity of antioxidant enzymes in the cinnamon clownfish, <i>Amphiprion melanopus</i> . <i>Animal Cells and Systems</i> , 2011 , 15, 219-225	2.3	10
154	A thioredoxin domain-containing protein 12 from black rockfish <i>Sebastes schlegelii</i> : Responses to immune challenges and protection from apoptosis against oxidative stress. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 185-186, 29-37	3.2	10
153	A CXC chemokine gene, CXCL12, from rock bream, <i>Oplegnathus fasciatus</i> : Molecular characterization and transcriptional profile. <i>Fish and Shellfish Immunology</i> , 2015 , 45, 560-6	4.3	9
152	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
151	Identification of a novel molluscan short-type peptidoglycan recognition protein in disk abalone (<i>Haliotis discus discus</i>) involved in host antibacterial defense. <i>Fish and Shellfish Immunology</i> , 2014 , 39, 99-107	4.3	9
150	Molecular characterization and expression analysis of IB from <i>Haliotis discus discus</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 34, 1596-604	4.3	9
149	Kazal-type proteinase inhibitor from disk abalone (<i>Haliotis discus discus</i>): molecular characterization and transcriptional response upon immune stimulation. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1039-43	4.3	9
148	Two molluscan BCL-2 family members from Manila clam, <i>Ruditapes philippinarum</i> : molecular characterization and immune responses. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 1628-34	4.3	9
147	Akirin2 homologues from rock bream, <i>Oplegnathus fasciatus</i> : Genomic and molecular characterization and transcriptional expression analysis. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 740-7	4.3	9
146	Molecular cloning, biochemical characterization, and expression analysis of two glutathione S-transferase paralogs from the big-belly seahorse (<i>Hippocampus abdominalis</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017 , 214, 1-11	2.3	9
145	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

144	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, 66-74	4.3	8
143	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
142	Immune and xenobiotic responses of glutathione S-Transferase theta (GST- θ) from marine invertebrate disk abalone (<i>Haliotis discus discus</i>): With molecular characterization and functional analysis. <i>Fish and Shellfish Immunology</i> , 2019 , 91, 159-171	4.3	8
141	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
140	Characterization of a 1-cysteine peroxiredoxin from big-belly seahorse (<i>Hippocampus abdominalis</i>); insights into host antioxidant defense, molecular profiling and its expressional response to septic conditions. <i>Fish and Shellfish Immunology</i> , 2016 , 57, 186-197	4.3	8
139	A mu class glutathione S-transferase from Manila clam <i>Ruditapes philippinarum</i> (RpGST μ) cloning, mRNA expression, and conjugation assays. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014 , 162, 85-95	3.2	8
138	A cysteine protease (cathepsin Z) from disk abalone, <i>Haliotis discus discus</i> : Genomic characterization and transcriptional profiling during bacterial infections. <i>Gene</i> , 2017 , 627, 500-507	3.8	8
137	Comparative analysis of two thioredoxin-like genes in black rockfish <i>Sebastes schlegelii</i> and their possible involvement in redox homeostasis and innate immune responses. <i>Developmental and Comparative Immunology</i> , 2017 , 67, 43-56	3.2	8
136	Molecular identification of disk abalone (<i>Haliotis discus discus</i>) tetraspanin 33 and CD63: Insights into potent players in the disk abalone host defense system. <i>Fish and Shellfish Immunology</i> , 2017 , 69, 173-184	4.3	8
135	Characterization and expression analysis of EF hand domain-containing calcium-regulatory gene from disk abalone: calcium homeostasis and its role in immunity. <i>Fish and Shellfish Immunology</i> , 2010 , 29, 334-42	4.3	8
134	Molecular and functional characterization of caspase-8 from the big-belly seahorse (<i>Hippocampus abdominalis</i>). <i>Fish and Shellfish Immunology</i> , 2016 , 58, 650-662	4.3	8
133	Comprehensive characterization of three glutathione S-transferase family proteins from black rockfish (<i>Sebastes schlegelii</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 189, 31-43	3.2	8
132	First report on the gastropod proapoptotic AIF3 counterpart from disk abalone (<i>Haliotis discus discus</i>) deciphering its transcriptional modulation by induced pathogenic stress. <i>Fish and Shellfish Immunology</i> , 2015 , 47, 697-705	4.3	7
131	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
130	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
129	Insight into the molecular function and transcriptional regulation of activator protein 1 (AP-1) components c-Jun/c-Fos ortholog in red lip mullet (<i>Liza haematocheila</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 93, 597-611	4.3	7
128	Molecular, structural, and functional comparison of N lobe and C lobe of the transferrin from rock bream, <i>Oplegnathus fasciatus</i> , with respect to its immune response. <i>Fish and Shellfish Immunology</i> , 2017 , 68, 299-309	4.3	7
127	Influence of quercetin on the physiological response to cadmium stress in olive flounder, <i>Paralichthys olivaceus</i> : effects on hematological and biochemical parameters. <i>Molecular and Cellular Toxicology</i> , 2010 , 6, 151-159	1.6	7

126	Molecular structure and immune-stimulated transcriptional modulation of the first teleostean IFP35 counterpart from rockfish (<i>Sebastes schlegelii</i>). <i>Fish and Shellfish Immunology</i> , 2016 , 56, 496-505	4-3	7
125	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
124	Molecular cloning, characterization, and expression level analysis of a marine teleost homolog of catalase from big belly seahorse (<i>Hippocampus abdominalis</i>). <i>Fish and Shellfish Immunology</i> , 2019 , 89, 647-659	4-3	6
123	Molecular insights into a molluscan transferrin homolog identified from disk abalone (<i>Haliotis discus discus</i>) evidencing its detectable role in host antibacterial defense. <i>Developmental and Comparative Immunology</i> , 2015 , 53, 222-33	3-2	6
122	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
121	Expression profile of cystatin B ortholog from Manila clam (<i>Ruditapes philippinarum</i>) in host pathology with respect to its structural and functional properties. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 1505-13	4-3	6
120	Identification and in silico analysis of a novel troponin C like gene from <i>Ruditapes philippinarum</i> (<i>Bivalvia</i> : Veneridae) and its transcriptional response for calcium challenge. <i>Gene</i> , 2013 , 519, 194-201	3-8	6
119	Genomic characterization, expression analysis, and antimicrobial function of a glyrichin homologue from rock bream, <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1406-15	4-3	6
118	Molecular characterization of a bactericidal permeability-increasing protein/lipopolysaccharide-binding protein from black rockfish (<i>Sebastes schlegelii</i>): Deciphering its putative antibacterial role. <i>Developmental and Comparative Immunology</i> , 2017 , 67, 266-275	3-2	6
117	Diurnal gene expression of Period2, Cryptochrome1, and arylalkylamine N-acetyltransferase-2 in olive flounder, <i>Paralichthys olivaceus</i> . <i>Animal Cells and Systems</i> , 2012 , 16, 27-33	2-3	6
116	Identification and Molecular Characterization of Z/ZE Lineage MHC Class I Heavy Chain Homologue and β 2-microglobulin from Rock Bream <i>Oplegnathus fasciatus</i> . <i>Fish Pathology</i> , 2014 , 49, 93-112	0-8	6
115	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 , 118, 106-117	4-3	6
114	An invertebrate signal transducer and activator of transcription 5 (STAT5) ortholog from the disk abalone, <i>Haliotis discus discus</i> : Genomic structure, early developmental expression, and immune responses to bacterial and viral stresses. <i>Developmental and Comparative Immunology</i> , 2016 , 56, 46-56	3-2	6
113	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
112	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
111	Generation of late-born neurons in the ventral spinal cord requires the coordination of retinoic acid and Notch signaling. <i>Neuroscience Letters</i> , 2015 , 602, 95-8	3-3	5
110	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
109	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

108	Characterization of a catalase from red-lip mullet (<i>Liza haematocheila</i>): Demonstration of antioxidative activity and mRNA upregulation in response to immunostimulants. <i>Gene</i> , 2019 , 712, 143945	3.8	5
107	Molecular characterization and expressional affirmation of the beta proteasome subunit cluster in rock bream immune defense. <i>Molecular Biology Reports</i> , 2014 , 41, 5413-27	2.8	5
106	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
105	Effects of exogenous cortisol and seawater adaptation on thyroid hormone receptors in the smolt stage of the sockeye salmon, <i>Oncorhynchus nerka</i> . <i>Ichthyological Research</i> , 2014 , 61, 9-16	0.8	5
104	A teleostean angiotensinogen from <i>Oplegnathus fasciatus</i> responses to immune and injury challenges. <i>Fish and Shellfish Immunology</i> , 2012 , 32, 922-8	4.3	5
103	Manila clam, <i>Ruditapes philippinarum</i> Cathepsin D: Molecular analysis and immune response against brown ring disease causing <i>Vibrio tapetis</i> challenge. <i>Korean Journal of Malacology</i> , 2013 , 29, 155-161		5
102	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
101	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
100	Molecular delineation of a caspase 10 homolog from black rockfish (<i>Sebastes schlegelii</i>) and its transcriptional regulation in response to pathogenic stress. <i>Gene</i> , 2015 , 570, 288-94	3.8	4
99	Identification of a myeloperoxidase-like ortholog from rock bream (<i>Oplegnathus fasciatus</i>), deciphering its transcriptional responses to induced pathogen stress. <i>Fish and Shellfish Immunology</i> , 2015 , 45, 477-85	4.3	4
98	A homolog of Kunitz-type serine protease inhibitor from rock bream, <i>Oplegnathus fasciatus</i> : Molecular insights and transcriptional modulation in response to microbial and PAMP stimulation, and tissue injury. <i>Fish and Shellfish Immunology</i> , 2015 , 46, 285-91	4.3	4
97	Three novel clade B serine protease inhibitors from disk abalone, <i>Haliotis discus discus</i> : Molecular perspectives and responses to immune challenges and tissue injury. <i>Fish and Shellfish Immunology</i> , 2015 , 45, 334-41	4.3	4
96	Molecular profile and expressional modulation of a Toll like receptor-1 homolog from rock bream (<i>Oplegnathus fasciatus</i>). <i>Genes and Genomics</i> , 2015 , 37, 459-470	2.1	4
95	Molecular cloning, expression and functional characterization of a teleostan cytokine-induced apoptosis inhibitor from rock bream (<i>Oplegnathus fasciatus</i>). <i>Developmental and Comparative Immunology</i> , 2015 , 52, 48-57	3.2	4
94	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
93	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
92	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
91	A CXCL ortholog from <i>Hippocampus abdominalis</i> : Molecular features and functional delineation as a pro-inflammatory chemokine. <i>Fish and Shellfish Immunology</i> , 2017 , 67, 218-227	4.3	4

90	Monitoring of Na ⁺ /K ⁺ -ATPase mRNA expression in the cinnamon clownfish, <i>Amphiprion melanopus</i> , exposed to an osmotic stress environment: profiles on the effects of exogenous hormone. <i>Ichthyological Research</i> , 2011 , 58, 195-201	0.8	4
89	Characterization of a nucleotide-oligomerization domain (NOD) like receptor C5 (NLRC5) subfamily member from black rockfish (<i>Sebastes schlegelii</i>), portraying its transcriptional responses against immune stimulants. <i>Genes and Genomics</i> , 2016 , 38, 303-310	2.1	4
88	Thioredoxin domain-containing protein 12 from <i>Oplegnathus fasciatus</i> : Molecular characterization, expression against immune stimuli, and biological activities related to oxidative stress. <i>Fish and Shellfish Immunology</i> , 2016 , 54, 11-21	4.3	4
87	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
86	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
85	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
84	<i>Candida albicans</i> Infection Model in Zebrafish (<i>Danio rerio</i>) for Screening Anticandidal Drugs. <i>Mycopathologia</i> , 2019 , 184, 559-572	2.9	3
83	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 , 200, 21-31	2.3	3
82	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
81	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
80	Mitogen-activated protein kinase 1 from disk abalone (<i>Haliotis discus discus</i>): Roles in early development and immunity-related transcriptional responses. <i>Fish and Shellfish Immunology</i> , 2016 , 59, 57-65	4.3	3
79	A molluscan calreticulin ortholog from <i>Haliotis discus discus</i> : Molecular characterization and transcriptional evidence for its role in host immunity. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 474, 43-50	3.4	3
78	Effects of recombinant growth hormone on growth factor and immune component levels in the cinnamon clownfish, <i>Amphiprion melanopus</i> . <i>Marine Biology Research</i> , 2014 , 10, 472-481	1	3
77	Genomic structural characterization and transcriptional expression analysis of proteasome activator PA28 α and PA28 β subunits from <i>Oplegnathus fasciatus</i> . <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1224-34	4.3	3
76	Identification and molecular profiling of DC-SIGN-like from big belly seahorse (<i>Hippocampus abdominalis</i>) inferring its potential relevancy in host immunity. <i>Developmental and Comparative Immunology</i> , 2017 , 77, 270-279	3.2	3
75	Genomic identification and molecular characterization of a non-mammalian TNFAIP8L2 gene from <i>Oplegnathus fasciatus</i> . <i>Gene</i> , 2014 , 542, 52-63	3.8	3
74	Differential expression of rhodopsin and Exo-rhodopsin genes in the retina and pineal gland of olive flounder (<i>Paralichthys olivaceus</i>). <i>Journal of Applied Animal Research</i> , 2012 , 40, 229-246	1.7	3
73	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

72	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}	3
71	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
70	Complement factor D homolog involved in the alternative complement pathway of rock bream (<i>Oplegnathus fasciatus</i>): Molecular and functional characterization and immune responsive mRNA expression analysis. <i>Fish and Shellfish Immunology</i> , 2016 , 55, 423-33	4.3 3
69	Three novel C1q domain containing proteins from the disk abalone <i>Haliotis discus discus</i> : Genomic organization and analysis of the transcriptional changes in response to bacterial pathogens. <i>Fish and Shellfish Immunology</i> , 2016 , 56, 181-187	4.3 3
68	First Draft Genome Assembly of Redlip Mullet () From Family Mugilidae. <i>Frontiers in Genetics</i> , 2019 , 10, 1246	4.5 3
67	Molecular profiling and functional insights of rock bream (<i>Oplegnathus fasciatus</i>) thioredoxin reductase 3-like molecule: investigation of its transcriptional modulation in response to live pathogen stress. <i>Gene</i> , 2015 , 570, 122-31	3.8 2
66	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 ²	4.3 2
65	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
64	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
63	Profiles of teleost DNA fragmentation factor alpha and beta from rock bream (<i>Oplegnathus fasciatus</i>): molecular characterization and genomic structure and gene expression in immune stress. <i>Genes and Genomics</i> , 2016 , 38, 193-204	2.1 2
62	Structural and functional characterization of a novel molluskan ortholog of TRAF and TNF receptor-associated protein from disk abalone (<i>Haliotis discus discus</i>). <i>Fish and Shellfish Immunology</i> , 2014 , 40, 32-9	4.3 2
61	<i>Sinuolinea capsularis</i> (Myxosporea: Sinuolineidae) Isolated from Urinary Bladder of Cultured Olive Flounder <i>Paralichthys olivaceus</i> . <i>Korean Journal of Parasitology</i> , 2019 , 57, 127-134	1.7 2
60	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
59	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 ²	4.3 2
58	Comparative Characterization of Two Homologs in : Genomic, Transcriptional and Functional Analyses. <i>Biomolecules</i> , 2020 , 10,	5.9 2
57	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
56	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
55	Quantitative investigation of <i>Enteromyxum leei</i> (Myxozoa: Myxosporea) 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

54	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
53	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
52	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
51	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
50	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
49	Glutaredoxin 1 from big-belly seahorse (<i>Hippocampus abdominalis</i>): Molecular, transcriptional, and functional evidence in teleost immune responses. <i>Fish and Shellfish Immunology</i> , 2019 , 90, 40-51	4.3	1
48	Draft genome of agar-degrading marine bacterium <i>Gilvimarinus agarilyticus</i> JEA5. <i>Marine Genomics</i> , 2015 , 21, 13-4	1.9	1
47	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
46	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
45	Up-regulation of the arginine vasotocin precursor gene from <i>Paralichthys olivaceus</i> : isolation and expression upon acute pathogen invasion. <i>Genes and Genomics</i> , 2014 , 36, 443-453	2.1	1
44	The GAL4 enhancer-trap line for analysis of definitive hematopoiesis in zebrafish. <i>Animal Cells and Systems</i> , 2015 , 19, 96-100	2.3	1
43	Molecular cloning, over-expression and enzymatic characterization of an endo-acting E1,3-glucanase from marine bacterium <i>Mesoflavibacter zeaxanthinifaciens</i> S86 in <i>Escherichia coli</i> . <i>Ocean Science Journal</i> , 2014 , 49, 425-432	1.1	1
42	Molecular cloning and expression of TR β and TR α in the protandrous cinnamon clownfish, <i>Amphiprion melanopus</i> during sex reversal. <i>Marine and Freshwater Behaviour and Physiology</i> , 2010 , 43, 371-384	1.1	1
41	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
40	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
39	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
38	Glutaredoxin 2 from big belly seahorse (<i>Hippocampus abdominalis</i>) 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
37	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

36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	Gill and Liver Transcript Expression Changes Associated With Gill Damage in Atlantic Salmon (<i>Salmo salar</i>).. <i>Frontiers in Immunology</i> , 2022 , 13, 806484	8.4	1
27	Transcriptome Profiling of Atlantic Salmon (<i>Salmo salar</i>) Parr With Higher and Lower Pathogen Loads Following Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 789465	8.4	1
26	Genome-wide association study of VHSV-resistance trait in <i>Paralichthys olivaceus</i> .. <i>Fish and Shellfish Immunology</i> , 2022 ,	4.3	1
25	A new species <i>Myxodavisia jejuensis</i> n. sp. (Myxosporea: Sinuolineidae) isolated from cultured olive flounder <i>Paralichthys olivaceus</i> in South Korea. <i>Parasitology Research</i> , 2019 , 118, 3105-3112	2.4	0
24	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
23	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
22	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
21	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
20	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	0
19	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

18	Infection dynamics of <i>Enteromyxum leei</i> (Myxozoa, Myxosporae) 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	○
17	Growth and Antioxidant-Related Effects of the Reestablished Ascorbic Acid Pathway in Zebrafish (<i>Danio rerio</i>) by Genomic Integration of L-Gulonolactone Oxidase From Cloudy Catshark (<i>Pseudosciaenops monacanthus</i>). <i>Frontiers in Physiology</i> , 2021 , 12, 685595	4.6	○
16	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	○
15	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	○
14	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	○
13	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	○
12	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	
11	Effects of retinal light input on circadian rhythm genes in the yellowtail clownfish (<i>Amphiprion clarkii</i>) as determined using LED light spectra. <i>Biological Rhythm Research</i> , 2014 , 1-13	0.8	
10	Effect of Epigallocatechin Gallate on Viability of <i>Kudoa septempunctata</i> . <i>Korean Journal of Parasitology</i> , 2020 , 58, 593-597	1.7	
9	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	
8	<i>Kudoa ogawai</i> (Myxosporae: Kudoidae) Infection in Cultured Olive Flounder <i>Paralichthys olivaceus</i> . <i>Korean Journal of Parasitology</i> , 2019 , 57, 439-444	1.7	
7	Genomic identification and spatial expression analysis of Rab-5C-like gene identified from rock bream (<i>Oplegnathus fasciatus</i>). <i>Hanguk Eobyeong Haghoeji</i> , 2015 , 28, 99-107		
6	The Molecular Profiling of a Teleostan Counterpart of Follistatin, Identified from Rock Bream <i>Oplegnathus fasciatus</i> which Reveals its Transcriptional Responses against Pathogenic Stress. <i>Fisheries and Aquatic Sciences</i> , 2015 , 18, 273-281	2.9	
5	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	
4	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	
3	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	
2	Interacting Effects of Sea Louse (<i>Lepeophtheirus salmonis</i>) Infection and Formalin-Killed on Atlantic Salmon Skin Transcriptome.. <i>Frontiers in Immunology</i> , 2022 , 13, 804987	8.4	
1	Complete genome sequence analysis and phylogenetic classification of the novel <i>Aeromonas</i> phage AHP-1, a potential member of the genus Tequatrovirus.. <i>Archives of Virology</i> , 2022 , 167, 1225	2.6	

