Xiao-Chun Luo

List of Publications by Year
in descending order

74 papers	1,815 citations	201674 27 h-index	289244 40 g-index
75 all docs	75 docs citations	75 times ranked	1568 citing authors

#	Article	IF	Citations
1	Orange-spotted grouper (Epinephelus coioides) TLR2, MyD88 and IL-1Î² involved in anti-Cryptocaryon irritans response. Fish and Shellfish Immunology, 2011, 30, 1230-1240.	3.6	109
2	Protective immunity in grouper (Epinephelus coioides) following exposure to or injection with Cryptocaryon irritans. Fish and Shellfish Immunology, 2007, 22, 427-432.	3.6	92
3	Molecular cloning of orange-spotted grouper (Epinephelus coioides) TLR21 and expression analysis post Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2012, 32, 476-481.	3.6	91
4	Expression profiles of toll-like receptors in channel catfish (Ictalurus punctatus) after infection with Ichthyophthirius multifiliis. Fish and Shellfish Immunology, 2013, 35, 993-997.	3.6	74
5	Transcriptomic variation of locally-infected skin of Epinephelus coioides reveals the mucosal immune mechanism against Cryptocaryon irritans. Fish and Shellfish Immunology, 2017, 66, 398-410.	3.6	65
6	Enzymatic conversion and recovery of protein, chitin, and astaxanthin from shrimp shell waste. Journal of Cleaner Production, 2020, 271, 122655.	9.3	64
7	Immuneâ€related genes expression profile in orangeâ€spotted grouper during exposure to Cryptocaryon irritans. Parasite Immunology, 2011, 33, 679-987.	1.5	62
8	Grass carp (Ctenopharyngodon idella) TRAF6 and TAK1: Molecular cloning andÂexpression analysis after Ichthyophthirius multifiliis infection. Fish and Shellfish Immunology, 2013, 34, 1514-1523.	3.6	60
9	Biocontrol activity of recombinant aspartic protease from Trichoderma harzianum against pathogenic fungi. Enzyme and Microbial Technology, 2018, 112, 35-42.	3.2	56
10	Heterologous expression and characterization of an antifungal chitinase (Chit46) from Trichoderma harzianum GIM 3.442 and its application in colloidal chitin conversion. International Journal of Biological Macromolecules, 2019, 134, 113-121.	7.5	53
11	Some characteristics of hostâ€"parasite relationship for Cryptocaryon irritans isolated from South China. Parasitology Research, 2008, 102, 1269-1275.	1.6	50
12	Molecular characterization and functional analysis of TRAF6 in orange-spotted grouper (Epinephelus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	49
13	Outbreak of a novel disease associated with Vibrio mimicus infection in fresh water cultured yellow catfish, Pelteobagrus fulvidraco. Aquaculture, 2014, 432, 119-124.	3.5	47
14	Molecular identification and expression analysis of TLR5M and TLR5S from orange-spotted grouper () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	47
15	The feather degradation mechanisms of a new Streptomyces sp. isolate SCUT-3. Communications Biology, 2020, 3, 191.	4.4	47
16	IL-33 promotes Staphylococcus aureus-infected wound healing in mice. International Immunopharmacology, 2013, 17, 432-438.	3.8	46
17	Astragaloside IV enhances diabetic wound healing involving upregulation of alternatively activated macrophages. International Immunopharmacology, 2016, 35, 22-28.	3.8	41
18	Interleukin-33 facilitates neutrophil recruitment and bacterial clearance in S. aureus-caused peritonitis. Molecular Immunology, 2016, 72, 74-80.	2.2	40

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19	Grouper (Epinephelus coioides) IL-34/MCSF2 and MCSFR1/MCSFR2 were involved in mononuclear phagocytes activation against Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2015, 43, 142-149.	3.6	39
20	The Structure and Enzyme Characteristics of a Recombinant Leucine Aminopeptidase rLap1 from Aspergillus sojae and Its Application in Debittering. Applied Biochemistry and Biotechnology, 2015, 177, 190-206.	2.9	36
21	Comparative transcriptional profile of the fish parasite Cryptocaryon irritans. Parasites and Vectors, 2016, 9, 630.	2.5	35
22	Optimization of fermentation media for nitrite oxidizing bacteria using sequential statistical design. Bioresource Technology, 2008, 99, 7923-7927.	9.6	34
23	Identification of IRAK-4 in grouper (Epinephelus coioides) that impairs MyD88-dependent NF-ÎºB activation. Developmental and Comparative Immunology, 2014, 45, 190-197.	2.3	34
24	Enzymatic Characteristics of a Recombinant Neutral Protease I (rNpI) from Aspergillus oryzae Expressed in Pichia pastoris. Journal of Agricultural and Food Chemistry, 2012, 60, 12164-12169.	5.2	29
25	One-step processing of shrimp shell waste with a chitinase fused to a carbohydrate-binding module. Green Chemistry, 2020, 22, 6862-6873.	9.0	29
26	Molecular cloning of NCCRP-1 gene from orange-spotted grouper (Epinephelus coioides) and characterization of NCCRP-1+ cells post Cryptocaryon irritans infection. Developmental and Comparative Immunology, 2014, 46, 267-278.	2.3	28
27	Grouper (Epinephelus coioides) MyD88 and Tollip: Intracellular localization and signal transduction function. Fish and Shellfish Immunology, 2015, 42, 153-158.	3.6	28
28	Grouper (Epinephelus coioides) BCR signaling pathway was involved in response against Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2016, 57, 198-205.	3.6	28
29	Immunomodulatory Effects of N-Acetyl Chitooligosaccharides on RAW264.7 Macrophages. Marine Drugs, 2020, 18, 421.	4.6	28
30	Development of Rapid Immunochromatographic Test for Hemagglutinin Antigen of H7 Subtype in Patients Infected with Novel Avian Influenza A (H7N9) Virus. PLoS ONE, 2014, 9, e92306.	2.5	23
31	Identification and characterization of three TLR1 subfamily members from the orange-spotted grouper, Epinephelus coioides. Developmental and Comparative Immunology, 2016, 61, 180-189.	2.3	22
32	Cloning and expression analysis of grouper (Epinephelus coioides) M-CSFR gene post Cryptocaryon irritans infection and distribution of M-CSFR+ cells. Fish and Shellfish Immunology, 2013, 35, 240-248.	3.6	21
33	Molecular characteristics and function study of TNF receptor-associated factor 5 from grouper (Epinephelus coioides). Fish and Shellfish Immunology, 2019, 87, 730-736.	3.6	20
34	Characterization and expression analysis of two novel CCR6 chemokine receptors and their three potential ligands CCL20Ls of grouper (Epinephelus coioides) post Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2015, 47, 280-288.	3.6	19
35	Characterization and expression analysis of grouper (Epinephelus coioides) co-stimulatory molecules CD83 and CD80/86 post Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2017, 67, 467-474.	3.6	18
36	Orangeâ€spotted grouper Epinephelus coioides Tak1: molecular identification, expression analysis and functional study. Journal of Fish Biology, 2015, 86, 417-430.	1.6	16

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37	Rapid and efficient production of cecropin A antibacterial peptide in Escherichia coli by fusion with a self-aggregating protein. BMC Biotechnology, 2018, 18, 62.	3.3	16
38	Identification and characterization of myeloperoxidase in orange-spotted grouper (Epinephelus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	3.6	14
39	Improved enzymatic hydrolysis and ethanol production by combined alkaline peroxide and ionic liquidâ€water mixtures pretreatment of rice straw. Journal of Chemical Technology and Biotechnology, 2019, 94, 1451-1459.	3.2	14
40	Grouper (Epinephelus coioides) Mpeg1s: Molecular identification, expression analysis, and antimicrobial activity. Fish and Shellfish Immunology, 2019, 92, 690-697.	3.6	13
41	TAK1-binding proteins (TAB1 and TAB2) in grass carp (Ctenopharyngodon idella): Identification, characterization, and expression analysis after infection with Ichthyophthirius multifiliis. Fish and Shellfish Immunology, 2014, 38, 389-399.	3.6	12
42	Characterization, expression, and functional study of IRAK-1 from grouper, Epinephelus coioides. Fish and Shellfish Immunology, 2016, 56, 374-381.	3.6	12
43	Grouper (Epinephelus coioides) TCR signaling pathway was involved in response against Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2017, 64, 176-184.	3.6	12
44	Sphingosine-1-phosphate receptor 1 agonist SEW2871 prolongs heterotopic heart allograft survival in mice. International Immunopharmacology, 2015, 26, 37-42.	3.8	11
45	Using inexpensive substrate to achieve high-level lipase A secretion by Bacillus subtilis through signal peptide and promoter screening. Process Biochemistry, 2020, 99, 202-210.	3.7	11
46	Molecular cloning and expression analysis of CCL25 and its receptor CCR9s from Epinephelus coioides post Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2017, 67, 402-410.	3.6	10
47	Promotion of feather waste recycling by enhancing the reducing power and keratinase activity of Streptomyces sp. SCUT-3. Green Chemistry, 2021, 23, 5166-5178.	9.0	10
48	Molecular characterization and function analysis of grouper (Epinephelus coioides) Bruton's tyrosine kinase BTK. Fish and Shellfish Immunology, 2018, 77, 91-99.	3.6	9
49	Transcriptomic analysis reveals innate immune mechanisms of an underlying parasite-resistant grouper hybrid (Epinephelus fuscogutatus Ã— Epinephelus lanceolatus). Fish and Shellfish Immunology, 2021, 119, 67-75.	3.6	9
50	Identification and expression analysis of three XCR1-like receptors from Epinephelus coioides after Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2017, 67, 95-102.	3.6	8
51	Identification and functional analysis of grouper (Epinephelus coioides) B-cell linker protein BLNK. Fish and Shellfish Immunology, 2018, 81, 399-407.	3.6	8
52	Molecular characteristics and functional study of tumor necrosis factor receptor-associated factor 2 from the orange-spotted grouper (Epinephelus coioides). Fish and Shellfish Immunology, 2019, 84, 726-732.	3.6	8
53	Role of major histocompatibility complex II antigenâ€presentation pathway genes in orangeâ€spotted grouper infected with Cryptocaryon irritans. Journal of Fish Diseases, 2020, 43, 1541-1552.	1.9	8
54	Orange-spotted grouper (Epinephelus coioides) NADPH oxidase: Cloning and expression analysis after Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2020, 99, 291-300.	3.6	5

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55	Study on the characterization of grouper (Epinephelus coioides) immunoglobulin T and its positive cells. Fish and Shellfish Immunology, 2021, 118, 102-110.	3.6	5
56	Characterization of the glutamate-specific endopeptidase from Bacillus licheniformis expressed in Escherichia coli. Journal of Biotechnology, 2013, 168, 40-45.	3.8	4
57	Grouper (Epinephelus coioides) MyD88 adaptor-like (Mal): Molecular cloning, expression, and functionality. Fish and Shellfish Immunology, 2019, 93, 308-312.	3.6	4
58	Distribution of Mpeg1+ cells in healthy grouper (Epinephelus coioides) and after Cryptocaryon irritans infection. Fish and Shellfish Immunology, 2020, 104, 222-227.	3.6	4
59	Indole metabolism mechanisms in a new, efficient indole-degrading facultative anaerobe isolate Enterococcus hirae GDIAS-5. Journal of Hazardous Materials, 2022, 434, 128890.	12.4	4
60	PyPathway: Python Package for Biological Network Analysis and Visualization. Journal of Computational Biology, 2018, 25, 499-504.	1.6	3
61	Characterization and functional analysis of grouper (Epinephelus coioides) MEK1 and MEK2. Fish and Shellfish Immunology, 2019, 84, 1090-1097.	3.6	3
62	ÎºB kinase Î±-1 and -2 regulate cytokine expression in the orange-spotted grouper (Epinephelus coioides). Fish and Shellfish Immunology, 2020, 101, 291-301.	3.6	3
63	Recombinant neutral protease rNpI as fish feed additive to improve protein digestion and growth. Aquaculture Research, 2021, 52, 273-281.	1.8	3
64	Development and performance evaluation of a novel immunofluorescence chromatographic assay for histidine-rich protein 2 of Plasmodium falciparum. Malaria Journal, 2015, 14, 228.	2.3	2
65	Identification and characterization of c-raf from orange-spotted grouper (Epinephelus coioides). Fish and Shellfish Immunology, 2020, 96, 311-318.	3.6	2
66	Grouper (Epinephelus coioides) IRAK-4 regulates activation of NF-ÎºB and expression of inflammatory cytokines in grouper spleen cells. Fish and Shellfish Immunology, 2020, 106, 938-947.	3.6	2
67	Evaluation of a newly developed quantitative heart-type fatty acid binding protein assay based on fluorescence immunochromatography using specific monoclonal antibodies. Scandinavian Journal of Clinical and Laboratory Investigation, 2015, 75, 693-8.	1.2	2
68	Culture Conditions Affect the Category and Production of Ubiquinones in a Recombinant Escherichia Coli with an Exogenous Decaprenyl Diphosphate Synthase. Advance Journal of Food Science and Technology, 2013, 5, 1186-1191.	0.1	1
69	Culture Conditions affect the Category and Production of Ubiquinones in a Recombinant Escherichia Coli with an Exogenous Decaprenyl Diphosphate Synthase. Advance Journal of Food Science and Technology, 2013, 5, 732-737.	0.1	1
70	A new strategy for recovery of two peptides without Glu employing glutamate-specific endopeptidase from Bacillus licheniformis. Enzyme and Microbial Technology, 2014, 54, 25-31.	3.2	1
71	Novel monoclonal antibodies against Plasmodium falciparum histidine-rich protein 2: development and application in rapid diagnostic tests of malaria in hyperendemic regions of China and Myanmar. BMC Microbiology, 2015, 15, 98.	3.3	1
72	Sequence characteristics and expression profiles of Pax-5 and Blimp-1 in Epinephelus coioides following parasite infection and bacterial vaccination. Aquaculture Reports, 2021, 20, 100725.	1.7	0

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73	Th cell transcription factors: Sequence characteristics and expression profiles in Epinephelus coioides after Cryptocaryon irritans infection. Aquaculture, 2022, 546, 737349.	3.5	0
74	Characterization and functional analysis of hybrid pearl gentian grouper (Epinephelus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (lan and Shellfish Immunology Reports, 2021, 2, 100032.	1.2	0