

Xiao-Chun Luo

List of Publications by Year in descending order

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74
papers

1,815
citations

201385

27
h-index

288905

40
g-index

75
all docs

75
docs citations

75
times ranked

1568
citing authors

#	ARTICLE	IF	CITATIONS
1	Orange-spotted grouper (<i>Epinephelus coioides</i>) TLR2, MyD88 and IL-1 β involved in anti-Cryptocaryon irritans response. <i>Fish and Shellfish Immunology</i> , 2011, 30, 1230-1240.	1.6	109
2	Protective immunity in grouper (<i>Epinephelus coioides</i>) following exposure to or injection with <i>Cryptocaryon irritans</i> . <i>Fish and Shellfish Immunology</i> , 2007, 22, 427-432.	1.6	92
3	Molecular cloning of orange-spotted grouper (<i>Epinephelus coioides</i>) TLR21 and expression analysis post <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2012, 32, 476-481.	1.6	91
4	Expression profiles of toll-like receptors in channel catfish (<i>Ictalurus punctatus</i>) after infection with <i>Ichthyophthirius multifiliis</i> . <i>Fish and Shellfish Immunology</i> , 2013, 35, 993-997.	1.6	74
5	Transcriptomic variation of locally-infected skin of <i>Epinephelus coioides</i> reveals the mucosal immune mechanism against <i>Cryptocaryon irritans</i> . <i>Fish and Shellfish Immunology</i> , 2017, 66, 398-410.	1.6	65
6	Enzymatic conversion and recovery of protein, chitin, and astaxanthin from shrimp shell waste. <i>Journal of Cleaner Production</i> , 2020, 271, 122655.	4.6	64
7	Immune-related genes expression profile in orange-spotted grouper during exposure to <i>Cryptocaryon irritans</i> . <i>Parasite Immunology</i> , 2011, 33, 679-987.	0.7	62
8	Grass carp (<i>Ctenopharyngodon idella</i>) TRAF6 and TAK1: Molecular cloning and expression analysis after <i>Ichthyophthirius multifiliis</i> infection. <i>Fish and Shellfish Immunology</i> , 2013, 34, 1514-1523.	1.6	60
9	Biocontrol activity of recombinant aspartic protease from <i>Trichoderma harzianum</i> against pathogenic fungi. <i>Enzyme and Microbial Technology</i> , 2018, 112, 35-42.	1.6	56
10	Heterologous expression and characterization of an antifungal chitinase (Chit46) from <i>Trichoderma harzianum</i> GIM 3.442 and its application in colloidal chitin conversion. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 113-121.	3.6	53
11	Some characteristics of host-parasite relationship for <i>Cryptocaryon irritans</i> isolated from South China. <i>Parasitology Research</i> , 2008, 102, 1269-1275.	0.6	50
12	Molecular characterization and functional analysis of TRAF6 in orange-spotted grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	49
13	Outbreak of a novel disease associated with <i>Vibrio mimicus</i> infection in fresh water cultured yellow catfish, <i>Pelteobagrus fulvidraco</i> . <i>Aquaculture</i> , 2014, 432, 119-124.	1.7	47
14	Molecular identification and expression analysis of TLR5M and TLR5S from orange-spotted grouper () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	47
15	The feather degradation mechanisms of a new <i>Streptomyces</i> sp. isolate SCUT-3. <i>Communications Biology</i> , 2020, 3, 191.	2.0	47
16	IL-33 promotes <i>Staphylococcus aureus</i> -infected wound healing in mice. <i>International Immunopharmacology</i> , 2013, 17, 432-438.	1.7	46
17	Astragaloside IV enhances diabetic wound healing involving upregulation of alternatively activated macrophages. <i>International Immunopharmacology</i> , 2016, 35, 22-28.	1.7	41
18	Interleukin-33 facilitates neutrophil recruitment and bacterial clearance in <i>S. aureus</i> -caused peritonitis. <i>Molecular Immunology</i> , 2016, 72, 74-80.	1.0	40

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19	Grouper (<i>Epinephelus coioides</i>) IL-34/MCSF2 and MCSFR1/MCSFR2 were involved in mononuclear phagocytes activation against <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2015, 43, 142-149.	1.6	39
20	The Structure and Enzyme Characteristics of a Recombinant Leucine Aminopeptidase rLap1 from <i>Aspergillus sojae</i> and Its Application in Debittering. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 190-206.	1.4	36
21	Comparative transcriptional profile of the fish parasite <i>Cryptocaryon irritans</i> . <i>Parasites and Vectors</i> , 2016, 9, 630.	1.0	35
22	Optimization of fermentation media for nitrite oxidizing bacteria using sequential statistical design. <i>Bioresource Technology</i> , 2008, 99, 7923-7927.	4.8	34
23	Identification of IRAK-4 in grouper (<i>Epinephelus coioides</i>) that impairs MyD88-dependent NF- κ B activation. <i>Developmental and Comparative Immunology</i> , 2014, 45, 190-197.	1.0	34
24	Enzymatic Characteristics of a Recombinant Neutral Protease I (rNpl) from <i>Aspergillus oryzae</i> Expressed in <i>Pichia pastoris</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 12164-12169.	2.4	29
25	One-step processing of shrimp shell waste with a chitinase fused to a carbohydrate-binding module. <i>Green Chemistry</i> , 2020, 22, 6862-6873.	4.6	29
26	Molecular cloning of NCCRP-1 gene from orange-spotted grouper (<i>Epinephelus coioides</i>) and characterization of NCCRP-1+ cells post <i>Cryptocaryon irritans</i> infection. <i>Developmental and Comparative Immunology</i> , 2014, 46, 267-278.	1.0	28
27	Grouper (<i>Epinephelus coioides</i>) MyD88 and Tollip: Intracellular localization and signal transduction function. <i>Fish and Shellfish Immunology</i> , 2015, 42, 153-158.	1.6	28
28	Grouper (<i>Epinephelus coioides</i>) BCR signaling pathway was involved in response against <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2016, 57, 198-205.	1.6	28
29	Immunomodulatory Effects of N-Acetyl Chitoooligosaccharides on RAW264.7 Macrophages. <i>Marine Drugs</i> , 2020, 18, 421.	2.2	28
30	Development of Rapid Immunochromatographic Test for Hemagglutinin Antigen of H7 Subtype in Patients Infected with Novel Avian Influenza A (H7N9) Virus. <i>PLoS ONE</i> , 2014, 9, e92306.	1.1	23
31	Identification and characterization of three TLR1 subfamily members from the orange-spotted grouper, <i>Epinephelus coioides</i> . <i>Developmental and Comparative Immunology</i> , 2016, 61, 180-189.	1.0	22
32	Cloning and expression analysis of grouper (<i>Epinephelus coioides</i>) M-CSFR gene post <i>Cryptocaryon irritans</i> infection and distribution of M-CSFR+ cells. <i>Fish and Shellfish Immunology</i> , 2013, 35, 240-248.	1.6	21
33	Molecular characteristics and function study of TNF receptor-associated factor 5 from grouper (<i>Epinephelus coioides</i>). <i>Fish and Shellfish Immunology</i> , 2019, 87, 730-736.	1.6	20
34	Characterization and expression analysis of two novel CCR6 chemokine receptors and their three potential ligands CCL20Ls of grouper (<i>Epinephelus coioides</i>) post <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2015, 47, 280-288.	1.6	19
35	Characterization and expression analysis of grouper (<i>Epinephelus coioides</i>) co-stimulatory molecules CD83 and CD80/86 post <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2017, 67, 467-474.	1.6	18
36	Orange-spotted grouper (<i>Epinephelus coioides</i>) Tak1: molecular identification, expression analysis and functional study. <i>Journal of Fish Biology</i> , 2015, 86, 417-430.	0.7	16

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37	Rapid and efficient production of cecropin A antibacterial peptide in <i>Escherichia coli</i> by fusion with a self-aggregating protein. <i>BMC Biotechnology</i> , 2018, 18, 62.	1.7	16
38	Identification and characterization of myeloperoxidase in orange-spotted grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.6	14
39	Improved enzymatic hydrolysis and ethanol production by combined alkaline peroxide and ionic liquidâ€water mixtures pretreatment of rice straw. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1451-1459.	1.6	14
40	Grouper (<i>Epinephelus coioides</i>) Mpeg1s: Molecular identification, expression analysis, and antimicrobial activity. <i>Fish and Shellfish Immunology</i> , 2019, 92, 690-697.	1.6	13
41	TAK1-binding proteins (TAB1 and TAB2) in grass carp (<i>Ctenopharyngodon idella</i>): Identification, characterization, and expression analysis after infection with <i>Ichthyophthirius multifiliis</i> . <i>Fish and Shellfish Immunology</i> , 2014, 38, 389-399.	1.6	12
42	Characterization, expression, and functional study of IRAK-1 from grouper, <i>Epinephelus coioides</i> . <i>Fish and Shellfish Immunology</i> , 2016, 56, 374-381.	1.6	12
43	Grouper (<i>Epinephelus coioides</i>) TCR signaling pathway was involved in response against <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2017, 64, 176-184.	1.6	12
44	Sphingosine-1-phosphate receptor 1 agonist SEW2871 prolongs heterotopic heart allograft survival in mice. <i>International Immunopharmacology</i> , 2015, 26, 37-42.	1.7	11
45	Using inexpensive substrate to achieve high-level lipase A secretion by <i>Bacillus subtilis</i> through signal peptide and promoter screening. <i>Process Biochemistry</i> , 2020, 99, 202-210.	1.8	11
46	Molecular cloning and expression analysis of CCL25 and its receptor CCR9s from <i>Epinephelus coioides</i> post <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2017, 67, 402-410.	1.6	10
47	Promotion of feather waste recycling by enhancing the reducing power and keratinase activity of <i>Streptomyces</i> sp. SCUT-3. <i>Green Chemistry</i> , 2021, 23, 5166-5178.	4.6	10
48	Molecular characterization and function analysis of grouper (<i>Epinephelus coioides</i>) Bruton's tyrosine kinase BTK. <i>Fish and Shellfish Immunology</i> , 2018, 77, 91-99.	1.6	9
49	Transcriptomic analysis reveals innate immune mechanisms of an underlying parasite-resistant grouper hybrid (<i>Epinephelus fuscogutatus</i> Å— <i>Epinephelus lanceolatus</i>). <i>Fish and Shellfish Immunology</i> , 2021, 119, 67-75.	1.6	9
50	Identification and expression analysis of three XCR1-like receptors from <i>Epinephelus coioides</i> after <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2017, 67, 95-102.	1.6	8
51	Identification and functional analysis of grouper (<i>Epinephelus coioides</i>) B-cell linker protein BLNK. <i>Fish and Shellfish Immunology</i> , 2018, 81, 399-407.	1.6	8
52	Molecular characteristics and functional study of tumor necrosis factor receptor-associated factor 2 from the orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Fish and Shellfish Immunology</i> , 2019, 84, 726-732.	1.6	8
53	Role of major histocompatibility complex II antigenâ€presentation pathway genes in orangeâ€spotted grouper infected with <i>Cryptocaryon irritans</i> . <i>Journal of Fish Diseases</i> , 2020, 43, 1541-1552.	0.9	8
54	Orange-spotted grouper (<i>Epinephelus coioides</i>) NADPH oxidase: Cloning and expression analysis after <i>Cryptocaryon irritans</i> infection. <i>Fish and Shellfish Immunology</i> , 2020, 99, 291-300.	1.6	5

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55	Study on the characterization of grouper (<i>Epinephelus coioides</i>) immunoglobulin T and its positive cells. <i>Fish and Shellfish Immunology</i> , 2021, 118, 102-110.	1.6	5
56	Characterization of the glutamate-specific endopeptidase from <i>Bacillus licheniformis</i> expressed in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2013, 168, 40-45.	1.9	4
57	Grouper (<i>Epinephelus coioides</i>) MyD88 adaptor-like (Mal): Molecular cloning, expression, and functionality. <i>Fish and Shellfish Immunology</i> , 2019, 93, 308-312.	1.6	4
58	Distribution of Mpeg1+ cells in healthy grouper (<i>Epinephelus coioides</i>) and after Cryptocaryon irritans infection. <i>Fish and Shellfish Immunology</i> , 2020, 104, 222-227.	1.6	4
59	Indole metabolism mechanisms in a new, efficient indole-degrading facultative anaerobe isolate <i>Enterococcus hirae</i> GDIAS-5. <i>Journal of Hazardous Materials</i> , 2022, 434, 128890.	6.5	4
60	PyPathway: Python Package for Biological Network Analysis and Visualization. <i>Journal of Computational Biology</i> , 2018, 25, 499-504.	0.8	3
61	Characterization and functional analysis of grouper (<i>Epinephelus coioides</i>) MEK1 and MEK2. <i>Fish and Shellfish Immunology</i> , 2019, 84, 1090-1097.	1.6	3
62	$\text{I}\kappa\text{B}$ kinase $\text{I}\kappa\text{B}$ -1 and -2 regulate cytokine expression in the orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Fish and Shellfish Immunology</i> , 2020, 101, 291-301.	1.6	3
63	Recombinant neutral protease rNpl as fish feed additive to improve protein digestion and growth. <i>Aquaculture Research</i> , 2021, 52, 273-281.	0.9	3
64	Development and performance evaluation of a novel immunofluorescence chromatographic assay for histidine-rich protein 2 of <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2015, 14, 228.	0.8	2
65	Identification and characterization of c-raf from orange-spotted grouper (<i>Epinephelus coioides</i>). <i>Fish and Shellfish Immunology</i> , 2020, 96, 311-318.	1.6	2
66	Grouper (<i>Epinephelus coioides</i>) IRAK-4 regulates activation of NF- $\text{I}\kappa\text{B}$ and expression of inflammatory cytokines in grouper spleen cells. <i>Fish and Shellfish Immunology</i> , 2020, 106, 938-947.	1.6	2
67	Evaluation of a newly developed quantitative heart-type fatty acid binding protein assay based on fluorescence immunochromatography using specific monoclonal antibodies. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2015, 75, 693-8.	0.6	2
68	Culture Conditions Affect the Category and Production of Ubiquinones in a Recombinant <i>Escherichia Coli</i> with an Exogenous Decaprenyl Diphosphate Synthase. <i>Advance Journal of Food Science and Technology</i> , 2013, 5, 1186-1191.	0.1	1
69	Culture Conditions affect the Category and Production of Ubiquinones in a Recombinant <i>Escherichia Coli</i> with an Exogenous Decaprenyl Diphosphate Synthase. <i>Advance Journal of Food Science and Technology</i> , 2013, 5, 732-737.	0.1	1
70	A new strategy for recovery of two peptides without Glu employing glutamate-specific endopeptidase from <i>Bacillus licheniformis</i> . <i>Enzyme and Microbial Technology</i> , 2014, 54, 25-31.	1.6	1
71	Novel monoclonal antibodies against <i>Plasmodium falciparum</i> histidine-rich protein 2: development and application in rapid diagnostic tests of malaria in hyperendemic regions of China and Myanmar. <i>BMC Microbiology</i> , 2015, 15, 98.	1.3	1
72	Sequence characteristics and expression profiles of Pax-5 and Blimp-1 in <i>Epinephelus coioides</i> following parasite infection and bacterial vaccination. <i>Aquaculture Reports</i> , 2021, 20, 100725.	0.7	0

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73	Th cell transcription factors: Sequence characteristics and expression profiles in <i>Epinephelus coioides</i> after <i>Cryptocaryon irritans</i> infection. <i>Aquaculture</i> , 2022, 546, 737349.	1.7	0
74	Characterization and functional analysis of hybrid pearl gentian grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (lan and Shellfish Immunology Reports, 2021, 2, 100032.	0.5	0