

Jun Xie

List of Publications by Year in descending order

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107
papers

4,270
citations

109321

35
h-index

118850

62
g-index

107
all docs

107
docs citations

107
times ranked

5349
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of microecological agents on water environment restoration and microbial community structures of trench system in a Baiyangdian wetland ecosystem. <i>Journal of Applied Microbiology</i> , 2022, 132, 2450-2463.	3.1	7
2	Screening and effect evaluation of chemical inducers for enhancing astaxanthin and lipid production in mixotrophic <i>Chromochloris zofingiensis</i> . <i>Journal of Applied Phycology</i> , 2022, 34, 159-176.	2.8	7
3	Growth performance, intestinal microbiota and immune response of grass carp fed isonitrogenous and isoenergetic diets containing faba bean extracts. <i>Aquaculture Reports</i> , 2022, 22, 100924.	1.7	5
4	Textural quality, growth parameters and oxidative responses in Nile tilapia (<i>Oreochromis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	2.0	4
5	Dietary Creatine Reduces Lipid Accumulation by Improving Lipid Catabolism in the Herbivorous Grass Carp, <i>Ctenopharyngodon idella</i> . <i>Aquaculture Nutrition</i> , 2022, 2022, 1-13.	2.7	1
6	Protective effects of paeonol against lipopolysaccharide-induced liver oxidative stress and inflammation in gibel carp (<i>Carassius auratus gibelio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 257, 109339.	2.6	3
7	Paeonol increases the antioxidant and anti-inflammatory capacity of gibel carp (<i>Carassius auratus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 5	3.6	5
8	MicroRNA-dependent regulation of targeted mRNAs for improved muscle texture in crisp grass carp fed with broad bean. <i>Food Research International</i> , 2022, 155, 111071.	6.2	6
9	Integrative transcriptomic and proteomic analyses of pathogenic <i>Aeromonas hydrophila</i> in response to stress hormone norepinephrine. <i>Aquaculture Research</i> , 2022, 53, 1693-1705.	1.8	2
10	Effectiveness of agricultural waste in the enhancement of biological denitrification of aquaculture wastewater. <i>PeerJ</i> , 2022, 10, e13339.	2.0	7
11	Effects of BBR on growth performance, serum and hepatic biochemistry parameters, hepatic morphology and gene expression levels related to glucose metabolism in largemouth bass, <i>Micropterus salmoides</i> . <i>Aquaculture Research</i> , 2022, 53, 3807-3817.	1.8	9
12	Both TGF- β 1 and Smad4 regulate type I collagen expression in the muscle of grass carp, <i>Ctenopharyngodon idella</i> . <i>Fish Physiology and Biochemistry</i> , 2021, 47, 907-917.	2.3	8
13	Effect of the Aerobic Denitrifying Bacterium <i>Pseudomonas furukawii</i> ZS1 on Microbiota Compositions in Grass Carp Culture Water. <i>Water (Switzerland)</i> , 2021, 13, 1329.	2.7	11
14	Effects of four faba bean extracts on growth parameters, textural quality, oxidative responses, and gut characteristics in grass carp. <i>Aquaculture</i> , 2020, 516, 734620.	3.5	23
15	Quantitative phosphoproteomic analysis of soft and firm grass carp muscle. <i>Food Chemistry</i> , 2020, 303, 125367.	8.2	33
16	Influence of eco-substrate addition on organic carbon, nitrogen and phosphorus budgets of intensive aquaculture ponds of the Pearl River, China. <i>Aquaculture</i> , 2020, 520, 734868.	3.5	21
17	Feeding Faba Beans (<i>Vicia faba</i> L.) Reduces Myocyte Metabolic Activity in Grass Carp (<i>Ctenopharyngodon idella</i>). <i>Frontiers in Physiology</i> , 2020, 11, 391.	2.8	15
18	Identification and analysis of lipid droplet-related proteome in the adipose tissue of grass carp (<i>Ctenopharyngodon idella</i>) under fed and starved conditions. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 36, 100710.	1.0	4

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19	Comparative analysis of microbial community structure in the ponds with different aquaculture model and fish by high-throughput sequencing. <i>Microbial Pathogenesis</i> , 2020, 142, 104101.	2.9	32
20	Water Treatment Effect, Microbial Community Structure, and Metabolic Characteristics in a Field-Scale Aquaculture Wastewater Treatment System. <i>Frontiers in Microbiology</i> , 2020, 11, 930.	3.5	18
21	Proteomic and metabolomic basis for improved textural quality in crisp grass carp (<i>Ctenopharyngodon idellus</i> C.et V) fed with a natural dietary pro-oxidant. <i>Food Chemistry</i> , 2020, 325, 126906.	8.2	53
22	Safety evaluation of four faba bean extracts used as dietary supplements in grass carp culture based on hematological indices, hepatopancreatic function and nutritional condition. <i>PeerJ</i> , 2020, 8, e9516.	2.0	8
23	Hydrological and soil physiochemical variables determine the rhizospheric microbiota in subtropical lakeshore areas. <i>PeerJ</i> , 2020, 8, e10078.	2.0	5
24	The stress hormone norepinephrine increases the growth and virulence of <i>Aeromonas hydrophila</i> . <i>MicrobiologyOpen</i> , 2019, 8, e00664.	3.0	25
25	Hydrodynamics of an in-pond raceway system with an aeration plug-flow device for application in aquaculture: an experimental study. <i>Royal Society Open Science</i> , 2019, 6, 182061.	2.4	12
26	Indigenous AHL-degrading bacterium <i>Bacillus firmus</i> sw40 affects virulence of pathogenic <i>Aeromonas hydrophila</i> and disease resistance of gibel carp. <i>Aquaculture Research</i> , 2019, 50, 3755-3762.	1.8	6
27	Morphological variation in <i>Myxobolus drjagini</i> (Akhmerov, 1954) from silver carp and description of <i>Myxobolus paratypicus</i> n. sp. (Cnidaria: Myxozoa). <i>Parasitology Research</i> , 2019, 118, 2149-2157.	1.6	9
28	Modeling re-oxygenation performance of fine-bubble diffusing aeration system in aquaculture ponds. <i>Aquaculture International</i> , 2019, 27, 1353-1368.	2.2	20
29	Speciation and transformation of nitrogen for spirulina hydrothermal carbonization. <i>Bioresource Technology</i> , 2019, 286, 121385.	9.6	58
30	Investigation of alkaline hydrogen peroxide pretreatment and Tween 80 to enhance enzymatic hydrolysis of sugarcane bagasse. <i>Biotechnology for Biofuels</i> , 2019, 12, 107.	6.2	81
31	Berberine Influences Blood Glucose via Modulating the Gut Microbiome in Grass Carp. <i>Frontiers in Microbiology</i> , 2019, 10, 1066.	3.5	49
32	Lipid droplets participate in modulating innate immune genes in <i>Ctenopharyngodon idella</i> kidney cells. <i>Fish and Shellfish Immunology</i> , 2019, 88, 595-605.	3.6	7
33	Dietary arachidonic acid decreases the expression of transcripts related to adipocyte development and chronic inflammation in the adipose tissue of juvenile grass carp, <i>Ctenopharyngodon idella</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 122-132.	1.0	9
34	Identification and expression analysis of miRNA in hybrid snakehead by deep sequencing approach and their targets prediction. <i>Genomics</i> , 2019, 111, 1315-1324.	2.9	2
35	Carbon Nanotube-Supported Cu ₃ P as High-Efficiency and Low-Cost Cocatalysts for Exceptional Semiconductor-Free Photocatalytic H ₂ Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3243-3250.	6.7	96
36	Lipid accumulation in grass carp (<i>Ctenopharyngodon idellus</i>) fed faba beans (<i>Vicia faba</i> L.). <i>Fish Physiology and Biochemistry</i> , 2019, 45, 631-642.	2.3	17

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37	Epizootic ulcerative syndrome causes cutaneous dysbacteriosis in hybrid snakehead (<i>Channa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	6
38	Artificial substrata increase pond farming density of grass carp (<i>Ctenopharyngodon idella</i>) by increasing the bacteria that participate in nitrogen and phosphorus cycles in pond water. PeerJ, 2019, 7, e7906.	2.0	5
39	Enhancing enzymatic hydrolysis of sugarcane bagasse by ferric chloride catalyzed organosolv pretreatment and Tween 80. Bioresource Technology, 2018, 258, 295-301.	9.6	61
40	Bridging the g-C₃N₄ Nanosheets and Robust CuS Cocatalysts by Metallic Acetylene Black Interface Mediators for Active and Durable Photocatalytic H₂ Production. ACS Applied Energy Materials, 2018, 1, 2232-2241.	5.1	88
41	Effect of nitrite exposure on the antioxidant enzymes and glutathione system in the liver of bighead carp, <i>Aristichthys nobilis</i> . Fish and Shellfish Immunology, 2018, 76, 126-132.	3.6	82
42	Bifunctional Cu₃P Decorated g-C₃N₄ Nanosheets as a Highly Active and Robust Visible-Light Photocatalyst for H₂ Production. ACS Sustainable Chemistry and Engineering, 2018, 6, 4026-4036.	6.7	243
43	Ethanol production from mixtures of sugarcane bagasse and <i>Dioscorea composita</i> extracted residue with high solid loading. Bioresource Technology, 2018, 257, 23-29.	9.6	42
44	Denitrification potential evaluation of a newly indigenous aerobic denitrifier isolated from largemouth bass <i>Micropterus salmoides</i> culture pond. Journal of Oceanology and Limnology, 2018, 36, 913-925.	1.3	2
45	HSP60 and HSP90 α 2 from blunt snout bream, <i>Megalobrama amblycephala</i> : Molecular cloning, characterization, and comparative response to intermittent thermal stress and <i>Aeromonas hydrophila</i> infection. Fish and Shellfish Immunology, 2018, 74, 119-132.	3.6	39
46	A new monozoic tapeworm, <i>Parabreviscolax niepini</i> n. g., n. sp. (Cestoda: Caryophyllidea), from schizothoracine fishes (Cyprinidae: Schizothoracinae) in Tibet, China. Parasitology Research, 2018, 117, 347-354.	1.6	4
47	Effects of water depth and substrate type on rhizome bud sprouting and growth in <i>Zizania latifolia</i> . Wetlands Ecology and Management, 2018, 26, 277-284.	1.5	10
48	FeCl ₃ -catalyzed ethanol pretreatment of sugarcane bagasse boosts sugar yields with low enzyme loadings and short hydrolysis time. Bioresource Technology, 2018, 249, 395-401.	9.6	55
49	The Wnt/ β -catenin pathway contributes to the regulation of adipocyte development induced by docosahexaenoic acid in grass carp, <i>Ctenopharyngodon idellus</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 216, 18-24.	1.6	6
50	Enhancing enzymatic saccharification of sugarcane bagasse by combinatorial pretreatment and Tween 80. Biotechnology for Biofuels, 2018, 11, 309.	6.2	41
51	Integrating sugarcane molasses into sequential cellulosic biofuel production based on SSF process of high solid loading. Biotechnology for Biofuels, 2018, 11, 329.	6.2	22
52	Review on design and evaluation of environmental photocatalysts. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	170
53	Identification and comparative analysis of the miRNA expression profiles from four tissues of <i>Micropterus salmoides</i> using deep sequencing. Genomics, 2018, 110, 414-422.	2.9	8
54	Broad Bean (<i>Vicia faba</i> L.) Induces Intestinal Inflammation in Grass Carp (<i>Ctenopharyngodon idellus</i> C.) Tj ETQq0 0 0 rgBT /Overlock 10 in Microbiology, 2018, 9, 1913.	3.5	17

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55	Low-Cost Ni ₃ B/Ni(OH) ₂ as an Ecofriendly Hybrid Cocatalyst for Remarkably Boosting Photocatalytic H ₂ Production over g-C ₃ N ₄ Nanosheets. ACS Sustainable Chemistry and Engineering, 2018, 6, 13140-13150.	6.7	131
56	Multi-functional Ni ₃ C cocatalyst/g-C ₃ N ₄ nanoheterojunctions for robust photocatalytic H ₂ evolution under visible light. Journal of Materials Chemistry A, 2018, 6, 13110-13122.	10.3	241
57	Oxidized fish oil injury stress in Megalobrama amblycephala: Evaluated by growth, intestinal physiology, and transcriptome-based PI3K-Akt/NF- κ B/TCR inflammatory signaling. Fish and Shellfish Immunology, 2018, 81, 446-455.	3.6	67
58	Comparative proteomic analysis of hepatic mechanisms of Megalobrama amblycephala infected by Aeromonas hydrophila. Fish and Shellfish Immunology, 2018, 82, 339-349.	3.6	8
59	Effects of ferric chloride pretreatment and surfactants on the sugar production from sugarcane bagasse. Bioresource Technology, 2018, 265, 93-101.	9.6	36
60	Characterization of the complete mitochondrial genome of Parabreviscolex niepini Xi et al., 2018 (Cestoda, Caryophyllidea). ZooKeys, 2018, 783, 97-112.	1.1	4
61	The complete mitochondrial genome of <i>Carassius auratus</i> var. <i>high back crucian carp</i> (Cypriniformes: Cyprinidae). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2017, 28, 91-92.	0.7	0
62	Comparative study on the effect of high dietary carbohydrate on the growth performance, body composition, serum physiological responses and hepatic antioxidant abilities in Wuchang bream		

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73	Myxobolus linzhiensis n. sp. (Myxozoa: Myxobolidae) from the gill filament of Schizothorax oconnori Lloyd (Cyprinidae: Schizothoracinae) in Tibet, China: morphological and molecular characterization. Parasitology Research, 2017, 116, 3097-3103.	1.6	5
74	Genome-wide identification of novel microRNAs from genome sequences using computational approach in the mudskipper (Boleophthalmus pectinirostris). Russian Journal of Bioorganic Chemistry, 2017, 43, 397-408.	1.0	0
75	Silymarin inhibits adipogenesis in the adipocytes in grass carp Ctenopharyngodon idellus in vitro and in vivo. Fish Physiology and Biochemistry, 2017, 43, 1487-1500.	2.3	16
76	Growth performance and TOR pathway gene expression of juvenile blunt snout bream, <i>Megalobrama amblycephala</i> , fed with diets replacing fish meal with cottonseed meal. Aquaculture Research, 2017, 48, 3693-3704.	1.8	21
77	Effects of Nonaerated Circulation Water Velocity on Nutrient Release from Aquaculture Pond Sediments. Water (Switzerland), 2017, 9, 6.	2.7	13
78	Characterization of β -casein, α -casein, Rab21 and Rac2 as Innate Immune Genes during Infection with <i>Aeromonas hydrophila</i> and Cyprinid herpesvirus 2 in Crucian Carp <i>Carassius auratus gibelio</i> . Fish Pathology, 2016, 51, S7-S19.	0.7	2
79	Molecular Cloning and Expression Analysis of Lysozyme C and MHC class I from Crucian Carp <i>Carassius auratus gibelio</i> in Response to Cyprinid Herpesvirus 2 Infection. Fish Pathology, 2016, 51, S20-S29.	0.7	1
80	The effect of hyperthermia on liver histology, oxidative stress and disease resistance of the Wuchang bream, <i>Megalobrama amblycephala</i> . Fish and Shellfish Immunology, 2016, 52, 317-324.	3.6	37
81	Growth performance and immune responses of gibel carp, <i>Carassius auratus gibelio</i> , fed with graded level of rare earth-chitosan chelate. Aquaculture International, 2016, 24, 453-463.	2.2	10
82	Graphene in Photocatalysis: A Review. Small, 2016, 12, 6640-6696.	10.0	836
83	Oxidative conversion of glucose to gluconic acid by iron(III) chloride in water under mild conditions. Green Chemistry, 2016, 18, 2308-2312.	9.0	48
84	The complete mitochondrial genome of <i>Sinilabeo rendahli</i> (Cypriniformes: Cyprinidae). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 4603-4604.	0.7	0
85	Micro-concentration Lipopolysaccharide as a Novel Stimulator of Megakaryocytopoiesis that Synergizes with IL-6 for Platelet Production. Scientific Reports, 2015, 5, 13748.	3.3	14
86	Molecular cloning, tissue expression of gene Muc2 in blunt snout bream <i>Megalobrama amblycephala</i> and regulation after re-feeding. Chinese Journal of Oceanology and Limnology, 2015, 33, 291-298.	0.7	6
87	Facile preparation of rosin-based biochar coated bentonite for supporting Fe_2O_3 nanoparticles and its application for $\text{Cr}(\text{VI})$ adsorption. Journal of Materials Chemistry A, 2015, 3, 4595-4603.	10.3	82
88	Acid-tolerant plant species screened for rehabilitating acid mine drainage sites. Journal of Soils and Sediments, 2015, 15, 1104-1112.	3.0	15
89	Chronic stress effects of high doses of vitamin D 3 on <i>Megalobrama amblycephala</i> . Fish and Shellfish Immunology, 2015, 47, 205-213.	3.6	10
90	Cytotoxic effects and apoptosis induction of enrofloxacin in hepatic cell line of grass carp (<i>Ctenopharyngodon idellus</i>). Fish and Shellfish Immunology, 2015, 47, 639-644.	3.6	51

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91	A deficiency or an excess of dietary threonine level affects weight gain, enzyme activity, immune response and immune-related gene expression in juvenile blunt snout bream (<i>Megalobrama</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	10.1	53
92	Development of highly sensitive electrochemical genosensor based on multiwalled carbon nanotubesâ€“chitosanâ€“bismuth and lead sulfide nanoparticles for the detection of pathogenic <i>Aeromonas</i> . Biosensors and Bioelectronics, 2015, 63, 399-406.	2.5	68
93	miR-29a/b Enhances Cell Migration and Invasion in Nasopharyngeal Carcinoma Progression by Regulating SPARC and COL3A1 Gene Expression. PLoS ONE, 2015, 10, e0120969.	2.5	19
94	De novo Transcriptome Assembly and the Putative Biosynthetic Pathway of Steroidal Sapogenins of <i>Dioscorea composita</i> . PLoS ONE, 2015, 10, e0124560.	0.8	2
95	Effect of High Dietary Carbohydrate on the Growth Performance, Blood Chemistry, Hepatic Enzyme Activities and Growth Hormone Gene Expression of Wuchang Bream (<i>Megalobrama) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	64
96	207-214. Fasted and postprandial response of serum physiological response, hepatic antioxidant abilities and HSP70 expression in Wuchang bream (<i>Megalobrama amblycephala</i>) fed different dietary carbohydrate levels. Revista Brasileira De Zootecnia, 2014, 43, 627-635.	1.6	26
97	Effects of emodin and vitamin E on the growth and crowding stress of Wuchang bream (<i>Megalobrama</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	39
98	Gene Expression Profiling of Grass Carp (<i>Ctenopharyngodon idellus</i>) and Crisp Grass Carp. International Journal of Genomics, 2014, 2014, 1-15.	3.6	76
99	The influence of various feeding patterns of emodin on growth, non-specific immune responses, and disease resistance to <i>Aeromonas hydrophila</i> in juvenile Wuchang bream (<i>Megalobrama amblycephala</i>). Fish and Shellfish Immunology, 2014, 36, 187-193.	3.5	62
100	The effect of emodin on cytotoxicity, apoptosis and antioxidant capacity in the hepatic cells of grass carp (<i>Ctenopharyngodon idellus</i>). Fish and Shellfish Immunology, 2014, 38, 74-79.	1.7	0
101	Effect of dietary vitamin C on non-specific immunity and mRNA expression of three heat shock proteins (HSPs) in juvenile <i>Megalobrama amblycephala</i> under pH stress. Aquaculture, 2014, 434, 325-333.	1.3	49
102	Distribution and virulence gene comparison of <i>Aeromonas</i> strains isolated from diseased fish and water environment. Polish Journal of Microbiology, 2013, 62, 299-302.	0.7	3
103	Ionic Liquid-Based Ultrasonic/Microwave-Assisted Extraction Combined with UPLC for the Determination of Anthraquinones in Rhubarb. Chromatographia, 2011, 74, 139-144.	1.6	47
104	Occurrence of <i>Bothriocephalus acheilognathi</i> (Cestoda, Bothriocephallidea) in grass carp <i>Ctenopharyngodon idella</i> in the Changjiang River drainage. Chinese Journal of Oceanology and Limnology, 2011, 29, 564-567.	3.6	11
105	Antibacterial properties of anthraquinones extracted from rhubarb against <i>Aeromonas hydrophila</i> . Fisheries Science, 2011, 77, 375-384.	1.8	15
106	Microbial community analysis in crab ponds by denaturing gradient gel electrophoresis. World Journal of Microbiology and Biotechnology, 2010, 26, 825-831.		
107	<i>In vitro</i> antibacterial effect of berberine hydrochloride and enrofloxacin to fish pathogenic bacteria. Aquaculture Research, 2009, 41, 1095.		