

Xiurong Su

List of Publications by Year in descending order

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88
papers

1,495
citations

279798

23
h-index

414414

32
g-index

92
all docs

92
docs citations

92
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparisons of protective effects between two sea cucumber hydrolysates against diet induced hyperuricemia and renal inflammation in mice. <i>Food and Function</i> , 2020, 11, 1074-1086.	4.6	59
2	Modulation of the gut microbiota by the mixture of fish oil and krill oil in high-fat diet-induced obesity mice. <i>PLoS ONE</i> , 2017, 12, e0186216.	2.5	55
3	Modulation of the Gut Microbiota by Krill Oil in Mice Fed a High-Sugar High-Fat Diet. <i>Frontiers in Microbiology</i> , 2017, 8, 905.	3.5	54
4	A label-free multi-functionalized graphene oxide based electrochemiluminescence immunosensor for ultrasensitive and rapid detection of <i>Vibrio parahaemolyticus</i> in seawater and seafood. <i>Talanta</i> , 2016, 147, 220-225.	5.5	52
5	The novel peptides ICRD and LCCEC screened from tuna roe show antioxidative activity via Keap1/Nrf2-ARE pathway regulation and gut microbiota modulation. <i>Food Chemistry</i> , 2020, 327, 127094.	8.2	47
6	Divergent Metabolic Responses of <i>Apostichopus japonicus</i> Suffered from Skin Ulceration Syndrome and Pathogen Challenge. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10766-10771.	5.2	46
7	Protective effects of tuna meat oligopeptides (TMOP) supplementation on hyperuricemia and associated renal inflammation mediated by gut microbiota. <i>FASEB Journal</i> , 2020, 34, 5061-5076.	0.5	46
8	Facile fabrication of a stable and recyclable lipase@amine-functionalized ZIF-8 nanoparticles for esters hydrolysis and transesterification. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	43
9	Characterisation of immune-related gene expression in clam (<i>Venerupis philippinarum</i>) under exposure to di(2-ethylhexyl) phthalate. <i>Fish and Shellfish Immunology</i> , 2013, 34, 142-146.	3.6	37
10	Cloning and expression of HSP70 gene of sipuncula <i>Phascolosoma esculenta</i> . <i>Fish and Shellfish Immunology</i> , 2010, 28, 461-466.	3.6	36
11	iTRAQ-based proteomic profiling of <i>Vibrio parahaemolyticus</i> under various culture conditions. <i>Proteome Science</i> , 2015, 13, 19.	1.7	34
12	Dietary <i>Apostichopus japonicus</i> Alleviates Diabetes Symptoms and Modulates Genes Expression in Kidney Tissues of <i>db/db</i> Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 154-162.	5.2	34
13	Microfluidic Chip for Multiplex Detection of Trace Chemical Contaminants Based on Magnetic Encoded Aptamer Probes and Multibranching DNA Nanostructures as Signal Tags. <i>ACS Sensors</i> , 2019, 4, 2131-2139.	7.8	34
14	Novel high- α -docosahexaenoic acid tuna oil supplementation modulates gut microbiota and alleviates obesity in high-fat diet mice. <i>Food Science and Nutrition</i> , 2020, 8, 6513-6527.	3.4	34
15	Phospholipid-Protein Structured Membrane for Microencapsulation of DHA Oil and Evaluation of Its In Vitro Digestibility: Inspired by Milk Fat Globule Membrane. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6190-6201.	5.2	33
16	Identification and characterization of a clam ferritin from <i>Sinonovacula constricta</i> . <i>Fish and Shellfish Immunology</i> , 2011, 30, 1147-1151.	3.6	32
17	In vitro and in vivo anti-oxidation and anti-fatigue effect of monkfish liver hydrolysate. <i>Food Bioscience</i> , 2017, 18, 9-14.	4.4	32
18	Identification and characterization of a <i>Tegillarca granosa</i> ferritin regulated by iron ion exposure and thermal stress. <i>Developmental and Comparative Immunology</i> , 2011, 35, 745-751.	2.3	31

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19	Tuna Bone Powder Alleviates Glucocorticoid-Induced Osteoporosis via Coregulation of the NF- κ B and Wnt/ β -Catenin Signaling Pathways and Modulation of Gut Microbiota Composition and Metabolism. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900861.	3.3	29
20	A metabolomics and proteomics study of the <i>Lactobacillus plantarum</i> in the grass carp fermentation. <i>BMC Microbiology</i> , 2018, 18, 216.	3.3	28
21	The gut microbiota mediates the protective effects of anserine supplementation on hyperuricaemia and associated renal inflammation. <i>Food and Function</i> , 2021, 12, 9030-9042.	4.6	27
22	Cloning and expression of the Mn-SOD gene from <i>Phascolosoma esculenta</i> . <i>Fish and Shellfish Immunology</i> , 2010, 29, 759-764.	3.6	26
23	A Faraday cage-type immunosensor for dual-modal detection of <i>Vibrio parahaemolyticus</i> by electrochemiluminescence and anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2019, 1062, 124-130.	5.4	26
24	Lipase-catalyzed selective enrichment of omega-3 polyunsaturated fatty acids in acylglycerols of cod liver and linseed oils: Modeling the binding affinity of lipases and fatty acids. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 261-268.	7.5	24
25	Tuna Oil Alleviates D-Galactose Induced Aging in Mice Accompanied by Modulating Gut Microbiota and Brain Protein Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5510-5520.	5.2	23
26	Dietary krill oil enhances neurocognitive functions and modulates proteomic changes in brain tissues of D-galactose induced aging mice. <i>Food and Function</i> , 2017, 8, 2038-2045.	4.6	22
27	Sex-Based Differences in Gut Microbiota Composition in Response to Tuna Oil and Algae Oil Supplementation in a D-galactose-Induced Aging Mouse Model. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 187.	3.4	22
28	Different host-specific responses in thyroid function and gut microbiota modulation between diet-induced obese and normal mice given the same dose of iodine. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3537-3547.	3.6	22
29	Modulation of gut microbiota by dietary supplementation with tuna oil and algae oil alleviates the effects of D-galactose-induced ageing. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2791-2801.	3.6	21
30	Faraday cage-type aptasensor for dual-mode detection of <i>Vibrio parahaemolyticus</i> . <i>Mikrochimica Acta</i> , 2020, 187, 529.	5.0	20
31	<i>In silico</i> analysis and <i>in vivo</i> tests of the tuna dark muscle hydrolysate anti-oxidation effect. <i>RSC Advances</i> , 2018, 8, 14109-14119.	3.6	19
32	Fast scan voltammetry-derived ultrasensitive Faraday cage-type electrochemical immunoassay for large-size targets. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112277.	10.1	19
33	A Ferritin from <i>Dendrorhynchus zhejiangensis</i> with Heavy Metals Detoxification Activity. <i>PLoS ONE</i> , 2012, 7, e51428.	2.5	18
34	Faraday cage-type electrochemiluminescence immunosensor for ultrasensitive detection of <i>Vibrio vulnificus</i> based on multi-functionalized graphene oxide. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7203-7211.	3.7	17
35	iTRAQ-Based Quantitative Proteomic Profiling of <i>Staphylococcus aureus</i> Under Different Osmotic Stress Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 1082.	3.5	16
36	Heavy metal detoxification by recombinant ferritin from <i>Apostichopus japonicus</i> . <i>RSC Advances</i> , 2017, 7, 41909-41918.	3.6	14

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37	Microbial diversity and composition in different gut locations of hyperlipidemic mice receiving krill oil. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 355-366.	3.6	14
38	<i>Apostichopus japonicus</i> Oligopeptide Induced Heterogeneity in the Gastrointestinal Tract Microbiota and Alleviated Hyperuricemia in a Microbiota-Dependent Manner. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100147.	3.3	14
39	The Response and Survival Mechanisms of <i>Staphylococcus aureus</i> under High Salinity Stress in Salted Foods. <i>Foods</i> , 2022, 11, 1503.	4.3	14
40	Analysis of Urine Composition in Type II Diabetic Mice after Intervention Therapy Using Holothurian Polypeptides. <i>Frontiers in Chemistry</i> , 2017, 5, 54.	3.6	13
41	Alterations of the Brain Proteome and Gut Microbiota in <i>D</i> -Galactose-Induced Brain-Aging Mice with Krill Oil Supplementation. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9820-9830.	5.2	13
42	Direct extraction of lipids from wet microalgae slurries by super-high hydrostatic pressure. <i>Algal Research</i> , 2021, 58, 102412.	4.6	13
43	Chinese <i>Torreya grandis</i> cv. <i>Merrillii</i> seed oil affects obesity through accumulation of sciadonic acid and altering the composition of gut microbiota. <i>Food Science and Human Wellness</i> , 2022, 11, 58-67.	4.9	13
44	The link between selenium binding protein from <i>Sinonovacula constricta</i> and environmental pollutions exposure. <i>Fish and Shellfish Immunology</i> , 2013, 35, 271-277.	3.6	12
45	Multi-omics based changes in response to cadmium toxicity in <i>Bacillus licheniformis</i> A. <i>RSC Advances</i> , 2015, 5, 7330-7339.	3.6	12
46	Elimination of indigenous linear plasmids in <i>Streptomyces hygrosopicus</i> var. <i>jinggangensis</i> and <i>Streptomyces</i> sp. FR008 to increase validamycin A and candicidin productivities. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4247-4257.	3.6	12
47	Screening and structural and functional investigation of a novel ferritin from <i>Phascolosoma esculenta</i> . <i>Protein Science</i> , 2017, 26, 2039-2050.	7.6	12
48	Ameliorative effect of tuna elastin peptides on AIA mice by regulating the composition of intestinal microorganisms and SCFAs. <i>Journal of Functional Foods</i> , 2022, 92, 105076.	3.4	12
49	Production of recombinant protein and polyclonal mouse antiserum for ferritin from <i>Sipuncula Phascolosoma esculenta</i> . <i>Fish and Shellfish Immunology</i> , 2009, 27, 466-468.	3.6	11
50	Identification of differential expressed proteins and characterization their mRNA expression in thermally stressed <i>Apostichopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 194-200.	1.0	11
51	Novel anti-hyperuricemic hexapeptides derived from <i>Apostichopus japonicus</i> hydrolysate and their modulation effects on the gut microbiota and host microRNA profile. <i>Food and Function</i> , 2022, 13, 3865-3878.	4.6	11
52	Characterization of <i>Enterobacter cloacae</i> under phoxim stress by two-dimensional gel electrophoresis. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 403-409.	2.6	10
53	Cloning and characterization of hemerythrin gene from <i>Sipuncula Phascolosoma esculenta</i> . <i>Genes and Genomics</i> , 2013, 35, 95-100.	1.4	8
54	Multi-omics analysis on the pathogenicity of <i>Enterobacter cloacae</i> ENHKU01 isolated from sewage outfalls along the Ningbo coastline. <i>Proteome Science</i> , 2016, 14, 15.	1.7	8

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55	Dietary supplement with a mixture of fish oil and krill oil has sex-dependent effects on obese mice gut microbiota. <i>Journal of Functional Foods</i> , 2018, 51, 47-54.	3.4	8
56	Structure determination of ferritin from <i>Dendrorhynchus zhejiangensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 195-202.	2.1	8
57	Structural comparison of two ferritins from the marine invertebrate <i>Phascolosoma esculenta</i> . <i>FEBS Open Bio</i> , 2021, 11, 793-803.	2.3	8
58	Comprehensive evaluation and analysis of the salinity stress response mechanisms based on transcriptome and metabolome of <i>Staphylococcus aureus</i> . <i>Archives of Microbiology</i> , 2022, 204, 28.	2.2	8
59	Application of microsatellite DNA parentage markers in the swimming crab <i>Portunus trituberculatus</i> . <i>Aquaculture International</i> , 2012, 20, 649-656.	2.2	7
60	Structural modulation of gut microbiota in Bama minipigs in response to treatment with a ðœgrowth-promoting agentâ€, salbutamol. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5809-5818.	3.6	7
61	Electrochemical Immunosensor for Detection of <i>Vibrio parahaemolyticus</i> Based on Faradaycage-Type Anodic Stripping Voltammetry. <i>Journal of the Electrochemical Society</i> , 2017, 164, B704-B709.	2.9	7
62	Christmas-tree Derived Amplification Immuno-strategy for Sensitive Visual Detection of <i>Vibrio parahaemolyticus</i> Based on Gold Label Silver Stain Technology. <i>Analytical Sciences</i> , 2017, 33, 889-895.	1.6	7
63	Immunomagnetic separation-based nanogold enhanced surface plasmon resonance and colloidal gold test strips for rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Archives of Microbiology</i> , 2020, 202, 1025-1033.	2.2	7
64	Crystallographic characterization of a marine invertebrate ferritin from the sea cucumber <i>Apostichopus japonicus</i> . <i>FEBS Open Bio</i> , 2022, 12, 664-674.	2.3	7
65	A Comparison of Molecular Biology Mechanism of <i>Shewanella putrefaciens</i> between Fresh and Terrestrial Sewage Wastewater. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 86.	4.1	5
66	Crystallographic characterization of ferritin from <i>Sinonovacula constricta</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 217-223.	2.1	5
67	Systematic investigation of the amino acid profiles that are correlated with xanthine oxidase inhibitory activity: Effects, mechanism and applications in protein source screening. <i>Free Radical Biology and Medicine</i> , 2021, 177, 326-336.	2.9	5
68	Preparation and Representation of Recombinant Mn-Ferritin Flower-Like Spherical Aggregates from Marine Invertebrates. <i>PLoS ONE</i> , 2015, 10, e0119427.	2.5	4
69	Selective colonization mechanism of <i>Shewanella putrefaciens</i> in dyeing wastewater outlets. <i>RSC Advances</i> , 2016, 6, 102703-102709.	3.6	4
70	A metabonomic analysis on the response of <i>Enterobacter cloacae</i> from coastal outfall for land-based pollutant under phoxim stress. <i>Archives of Microbiology</i> , 2017, 199, 1165-1173.	2.2	4
71	NMR-based metabolomics reveals the metabolite profiles of <i>Vibrio parahaemolyticus</i> under ferric iron stimulation. <i>Journal of Microbiology</i> , 2017, 55, 628-634.	2.8	4
72	In Vivo Effects of Salbutamol Residues on Blood Lipid, Lung Structure, Gene Expression, and Gut Microorganism Composition. <i>ACS Omega</i> , 2019, 4, 20644-20653.	3.5	4

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73	Comparative genomics of the sequential <i>Pseudomonas aeruginosa</i> isolates obtained from the continuous imipenem stress evolution. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10655-10667.	3.6	4
74	Gut microbiota mediated the protective effects of tuna oil on collagen-induced arthritis in mice. <i>Food and Function</i> , 2021, 12, 5387-5398.	4.6	4
75	Integrative proteomics and metabolomics profiling of the protective effects of <i>Phascolosoma esculentum</i> ferritin on BMSCs in Cd(II) injury. <i>Ecotoxicology and Environmental Safety</i> , 2021, 212, 111995.	6.0	4
76	Characterization of Recombinant <i>Phascolosoma esculentum</i> Ferritin as an Efficient Heavy Metal Scavenger. <i>Protein and Peptide Letters</i> , 2018, 25, 767-775.	0.9	4
77	Effects of <i>Sporisorium reilianum</i> polysaccharides and <i>Phoenix dactylifera</i> monosaccharides on the gut microbiota and serum metabolism in mice with fructose-induced hyperuricemia. <i>Archives of Microbiology</i> , 2022, 204, .	2.2	4
78	Proteomics and 1H NMR-based metabolomics analysis of pathogenic <i>Vibrio vulnificus</i> aquacultures isolated from sewage drains. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23704-23713.	5.3	3
79	High DHA tuna oil alleviated cigarette smoking exposure induced lung inflammation via the regulation of gut microbiota and serum metabolites. <i>Journal of Functional Foods</i> , 2021, 82, 104505.	3.4	3
80	Construction of a cDNA library for sea cucumber <i>Acaudina leucoprocta</i> and differential expression of ferritin peptide. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 719-729.	0.7	2
81	NMR-based metabolomics reveals the metabolite profiles of <i>Vibrio parahaemolyticus</i> under blood agar stimulation. <i>Archives of Microbiology</i> , 2020, 202, 437-445.	2.2	2
82	Effects of the Sex Factor on Mouse Iodine Intake: Interactions between the Gut Microbiota Composition and Metabolic Syndromes. <i>ACS Omega</i> , 2021, 6, 28569-28578.	3.5	2
83	Structural Insights Into the Effects of Interactions With Iron and Copper Ions on Ferritin From the Blood Clam <i>Tegillarca granosa</i> . <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 800008.	3.5	2
84	Integrated gut microbiome and metabolome analyses reveals an inconsistent dose effect of a tuna oil with more higher docosahexaenoic acid content on intestinal dysbiosis and metabolic disorders in high-fat diet-fed mice. <i>Journal of the Science of Food and Agriculture</i> , 2022, , .	3.5	2
85	Gut microbiome and metabolome analyses reveal the protective effect of special high docosahexaenoic acid tuna oil on galactose-induced aging in mice. <i>Food Science and Nutrition</i> , 2022, 10, 3814-3827.	3.4	2
86	IDENTIFICATION OF BACTERIA FROM UNCOOKED ARK SHELLS BY USING SHERLOCK MICROBIAL IDENTIFICATION SYSTEM AND 16S rRNA SEQUENCE ANALYSIS. <i>Journal of Food Safety</i> , 2010, 30, 785-792.	2.3	1
87	Interaction Between a Gelsolin from <i>Dendrorhynchus zhejiangensis</i> with Three Gelsolin-Like Domains and Actin In Vitro. <i>Protein Journal</i> , 2018, 37, 144-150.	1.6	1
88	Effects of dietary tuna dark muscle enzymatic hydrolysis and cooking drip supplementations on growth performance, antioxidant activity and gut microbiota modulation of Bama mini-piglets. <i>RSC Advances</i> , 2019, 9, 25084-25093.	3.6	1