

# Xiaoxu Li

## List of Publications by Year in descending order

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46  
papers

1,087  
citations

430874

18  
h-index

434195

31  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of cryopreservation on redox status and gene expression of trochophore larvae in <i>Mytilus galloprovincialis</i> . <i>Journal of the World Aquaculture Society</i> , 2022, 53, 516-526.	2.4	2
2	Cloning and characterisation of NMDA receptors in the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> 144-159.	2.0	5
3	Phylogenetic analysis of the caspase family in bivalves: implications for programmed cell death, immune response and development. <i>BMC Genomics</i> , 2021, 22, 80.	2.8	26
4	Development of a programmable freezing technique on larval cryopreservation in <i>Mytilus galloprovincialis</i> . <i>Aquaculture</i> , 2020, 516, 734554.	3.5	12
5	Bivalves are NO different: nitric oxide as negative regulator of metamorphosis in the Pacific oyster, <i>Crassostrea gigas</i> . <i>BMC Developmental Biology</i> , 2020, 20, 23.	2.1	5
6	Development of a programmable freezing technique on larval cryopreservation in the Pacific oyster <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 2020, 523, 735199.	3.5	7
7	Larval metamorphosis in four bivalve species in response to NMDA receptor ligands: The NMDA receptor pathway as potential regulator of bivalve transition to spat. <i>Aquaculture</i> , 2019, 511, 634173.	3.5	6
8	Gametogenesis, sex ratio and energy metabolism in <i>Ostrea angasi</i> : implications for the reproductive strategy of spermcasting marine bivalves. <i>Journal of Molluscan Studies</i> , 2018, 84, 38-45.	1.2	21
9	Cryopreservation of strip spawned sperm using programmable freezing technique in the blue mussel <i>Mytilus galloprovincialis</i> . <i>Journal of Oceanology and Limnology</i> , 2018, 36, 2351-2357.	1.3	3
10	First report of a putative involvement of the NMDA pathway in Pacific oyster ( <i>Crassostrea gigas</i> ) development: Effect of NMDA receptor ligands on oyster metamorphosis with implications for bivalve hatchery management. <i>Aquaculture</i> , 2018, 497, 140-146.	3.5	10
11	Development of a spectrophotometric technique for sperm quantification in the spermcasting Australian flat oyster <i>Ostrea angasi</i> Sowerby. <i>Aquaculture Research</i> , 2017, 48, 4844-4850.	1.8	6
12	Sperm cryopreservation in the spermcasting Australian flat oyster <i>Ostrea angasi</i> by a programmable freezing method. <i>Cryobiology</i> , 2017, 76, 119-124.	0.7	6
13	Improvement of post-thaw sperm survivals using liquid nitrogen vapor in a spermcasting oyster <i>Ostrea angasi</i> . <i>Cryobiology</i> , 2017, 78, 1-7.	0.7	6
14	Cryopreservation of strip spawned sperm using non-programmable freezing technique in the blue mussel <i>Mytilus galloprovincialis</i> . <i>Aquaculture Research</i> , 2016, 47, 3888-3898.	1.8	14
15	Greenlip abalone ( <i>Haliotis laevigata</i> Donovan, 1808) sperm cryopreservation using a programmable freezing technique and testing the addition of amino acid and vitamin. <i>Aquaculture Research</i> , 2016, 47, 1499-1510.	1.8	6
16	Spermatozeugmata structure and dissociation of the Australian flat oyster <i>Ostrea angasi</i> : Implications for reproductive strategy. <i>Tissue and Cell</i> , 2016, 48, 152-159.	2.2	6
17	Cryopreservation of sperm in farmed blacklip abalone ( <i>Haliotis rubra</i> Leach, 1814). <i>Aquaculture Research</i> , 2015, 46, 2628-2636.	1.8	10
18	Effects of Broodstock Age and Sperm Collection Time over a Natural Spawning Period on Sperm Cryopreservation in Farmed Greenlip Abalone, <i>Haliotis laevigata</i> . <i>Journal of the World Aquaculture Society</i> , 2015, 46, 665-671.	2.4	6

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19	Successful oocyte cryopreservation in the blue mussel <i>Mytilus galloprovincialis</i> . <i>Aquaculture</i> , 2015, 438, 55-58.	3.5	12
20	Sperm cryopreservation in oysters: A review of its current status and potentials for future application in aquaculture. <i>Aquaculture</i> , 2015, 438, 24-32.	3.5	40
21	Sperm cryopreservation in marine mollusk: a review. <i>Aquaculture International</i> , 2015, 23, 1505-1524.	2.2	28
22	The development of oocyte cryopreservation techniques in blue mussels <i>Mytilus galloprovincialis</i> . <i>Fisheries Science</i> , 2014, 80, 1257-1267.	1.6	10
23	Rapid assessment of fisheries species sensitivity to climate change. <i>Climatic Change</i> , 2014, 127, 505-520.	3.6	96
24	Improvement in non-programmable sperm cryopreservation technique in farmed greenlip abalone <i>Haliotis laevigata</i> . <i>Aquaculture</i> , 2014, 434, 362-366.	3.5	12
25	Cryopreservation of sperm in farmed Australian greenlip abalone <i>Haliotis laevigata</i> . <i>Cryobiology</i> , 2014, 68, 185-193.	0.7	35
26	Cryopreservation of sperm from wild greenlip abalone ( <i>Haliotis laevigata</i> ) in Australia. <i>Aquaculture</i> , 2014, 432, 60-66.	3.5	13
27	Isolation and characterisation of eighteen microsatellite markers from the sea cucumber <i>Holothuria scabra</i> (Echinodermata : Holothuriidae). <i>Australian Journal of Zoology</i> , 2012, 60, 368.	1.0	13
28	Effects of larval cryopreservation on subsequent development of the blue mussels, <i>Mytilus galloprovincialis</i> Lamarck. <i>Aquaculture Research</i> , 2011, 42, 1816-1823.	1.8	28
29	Assessment of metabolic and immune changes in postspawning Pacific oyster <i>Crassostrea gigas</i> : identification of a critical period of vulnerability after spawning. <i>Aquaculture Research</i> , 2010, 41, e155-e165.	1.8	21
30	Testing options for the commercialization of abalone selective breeding using bioeconomic simulation modelling. <i>Aquaculture Research</i> , 2010, 41, e268-e288.	1.8	13
31	The effect of different grading equipment on stress levels assessed by catecholamine measurements in Pacific oysters, <i>Crassostrea gigas</i> (Thunberg). <i>Aquacultural Engineering</i> , 2009, 40, 11-16.	3.1	10
32	Karyotype analysis of the yellowtail kingfish <i>Seriola lalandi lalandi</i> (Perciformes: Carangidae) from South Australia. <i>Aquaculture Research</i> , 2009, 40, 1735-1741.	1.8	19
33	Monthly variation of condition index, energy reserves and antibacterial activity in Pacific oysters, <i>Crassostrea gigas</i> , in Stansbury (South Australia). <i>Aquaculture</i> , 2009, 286, 64-71.	3.5	52
34	Spawning-dependent stress response to food deprivation in Pacific oyster <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 2009, 286, 309-317.	3.5	32
35	Spawning-dependent stress responses in pacific oysters <i>Crassostrea gigas</i> : A simulated bacterial challenge in oysters. <i>Aquaculture</i> , 2009, 293, 164-171.	3.5	34
36	Preliminary Studies on Cryopreservation of Sydney Rock Oyster ( <i>Saccostrea glomerata</i> ) Larvae. <i>Journal of Shellfish Research</i> , 2008, 27, 1125-1128.	0.9	14

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37	THE APPLICATION OF NEUTRAL RED RETENTION ASSAY TO EVALUATE THE DIFFERENCES IN STRESS RESPONSES TO SEXUAL MATURATION AND SPAWNING BETWEEN DIFFERENT SIZES OF PACIFIC OYSTER, <i>CRASSOSTREA GIGAS</i> (THUNBERG). <i>Journal of Shellfish Research</i> , 2007, 26, 493-499.	0.9	13
38	Synergistic impacts of heat shock and spawning on the physiology and immune health of <i>Crassostrea gigas</i> : an explanation for summer mortality in Pacific oysters. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R2353-R2362.	1.8	115
39	Effects of air exposure on the lysosomal membrane stability of haemocytes in blacklip abalone, <i>Haliotis rubra</i> (Leach). <i>Aquaculture Research</i> , 2007, 38, 239-245.	1.8	12
40	Triploidy induction in Australian greenlip abalone <i>Haliotis laevigata</i> (Donovan) with cytochalasin B. <i>Aquaculture Research</i> , 2007, 38, 487-492.	1.8	5
41	The effect of size on the response of Pacific oysters ( <i>Crassostrea gigas</i> ) to changes in water temperature and air exposure. <i>Aquaculture International</i> , 2007, 15, 351-362.	2.2	6
42	Evaluation of the effects of grading and starvation on the lysosomal membrane stability in pacific oysters, <i>Crassostrea gigas</i> (Thunberg) by using neutral red retention assay. <i>Aquaculture</i> , 2006, 256, 537-541.	3.5	21
43	Effects of water temperature and air exposure on the lysosomal membrane stability of hemocytes in pacific oysters, <i>Crassostrea gigas</i> (Thunberg). <i>Aquaculture</i> , 2006, 256, 502-509.	3.5	51
44	Metabolic characteristics of sea cucumber <i>Apostichopus japonicus</i> (Selenka) during aestivation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 330, 505-510.	1.5	140
45	Growth characters and photosynthetic capacity of <i>Gracilaria lemaneiformis</i> as a biofilter in a shellfish farming area in Sanggou Bay, China. <i>Journal of Applied Phycology</i> , 2005, 17, 199-206.	2.8	48
46	Karyological analyses on redclaw crayfish <i>Cherax quadricarinatus</i> (Decapoda: Parastacidae). <i>Aquaculture</i> , 2004, 234, 65-76.	3.5	37