

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	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
2	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
3	Rapid assessment of fisheries species sensitivity to climate change. <i>Climatic Change</i> , 2014, 127, 505-520.	3.6	96
4	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
5	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
6	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
7	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
8	Karyological analyses on redclaw crayfish <i>Cherax quadricarinatus</i> (Decapoda: Parastacidae). <i>Aquaculture</i> , 2004, 234, 65-76.	3.5	37
9	Cryopreservation of sperm in farmed Australian greenlip abalone <i>Haliotis laevigata</i> . <i>Cryobiology</i> , 2014, 68, 185-193.	0.7	35
10	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
11	Spawning-dependent stress response to food deprivation in Pacific oyster <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 2009, 286, 309-317.	3.5	32
12	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
13	Sperm cryopreservation in marine mollusk: a review. <i>Aquaculture International</i> , 2015, 23, 1505-1524.	2.2	28
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Testing options for the commercialization of abalone selective breeding using bioeconomic simulation modelling. <i>Aquaculture Research</i> , 2010, 41, e268-e288.	1.8	13
23	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
24	Cryopreservation of sperm from wild greenlip abalone (<i>Haliotis laevigata</i>) in Australia. <i>Aquaculture</i> , 2014, 432, 60-66.	3.5	13
25	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
26	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
27	Successful oocyte cryopreservation in the blue mussel <i>Mytilus galloprovincialis</i> . <i>Aquaculture</i> , 2015, 438, 55-58.	3.5	12
28	Development of a programmable freezing technique on larval cryopreservation in <i>Mytilus galloprovincialis</i> . <i>Aquaculture</i> , 2020, 516, 734554.	3.5	12
29	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
30	The development of oocyte cryopreservation techniques in blue mussels <i>Mytilus galloprovincialis</i> . <i>Fisheries Science</i> , 2014, 80, 1257-1267.	1.6	10
31	Cryopreservation of sperm in farmed blacklip abalone (<i>Haliotis rubra</i> Leach, 1814). <i>Aquaculture Research</i> , 2015, 46, 2628-2636.	1.8	10
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	Triploidy induction in Australian greenlip abalone <i>Haliotis laevis</i> (Donovan) with cytochalasin B. <i>Aquaculture Research</i> , 2007, 38, 487-492.	1.8	5
43	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
44	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
45	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
46	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