Chan, Kit Yu Karen

List of Publications by Year
in descending order

31 papers	735 citations	567281 15 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	887 citing authors

#	Article	IF	Citations
1	Negative effects of microplastic exposure on growth and development of Crepidula onyx. Environmental Pollution, 2018, 233, 588-595.	7.5	146
2	Effects of ocean-acidification-induced morphological changes on larval swimming and feeding. Journal of Experimental Biology, 2011, 214, 3857-3867.	1.7	94
3	Microplastics reduced posterior segment regeneration rate of the polychaete Perinereis aibuhitensis. Marine Pollution Bulletin, 2018, 129, 782-786.	5.0	44
4	Acidification reduced growth rate but not swimming speed of larval sea urchins. Scientific Reports, 2015, 5, 9764.	3.3	43
5	Biomechanics of Larval Morphology Affect Swimming: Insights from the Sand Dollars Dendraster excentricus. Integrative and Comparative Biology, 2012, 52, 458-469.	2.0	41
6	The sea urchin Lytechinus variegatus lives close to the upper thermal limit for early development in a tropical lagoon. Ecology and Evolution, 2016, 6, 5623-5634.	1.9	34
7	Impacts of ocean acidification on survival, growth, and swimming behaviours differ between larval urchins and brittlestars. ICES Journal of Marine Science, 2016, 73, 951-961.	2.5	33
8	Resilience of the larval slipper limpet Crepidula onyx to direct and indirect-diet effects of ocean acidification. Scientific Reports, 2017, 7, 12062.	3.3	26
9	Temperature and diet modified swimming behaviors of larval sand dollar. Marine Ecology - Progress Series, 2010, 415, 49-59.	1.9	26
10	Ocean acidification increases larval swimming speed and has limited effects on spawning and settlement of a robust fouling bryozoan, Bugula neritina. Marine Pollution Bulletin, 2017, 124, 903-910.	5.0	25
11	Ontogenetic changes in larval swimming and orientation of pre-competent sea urchin Arbacia punctulata in turbulence. Journal of Experimental Biology, 2016, 219, 1303-1310.	1.7	24
12	Interactive effects of temperature and salinity on early life stages of the sea urchin Heliocidaris crassispina. Marine Biology, 2018, 165, 1.	1.5	20
13	Revisiting the larval dispersal black box in the Anthropocene. ICES Journal of Marine Science, 2018, 75, 1841-1848.	2.5	20
14	Development of the sea urchin Heliocidaris crassispina from Hong Kong is robust to ocean acidification and copper contamination. Aquatic Toxicology, 2018, 205, 1-10.	4.0	20
15	Silicic acid supplied to coastal diatom communities influences cellular silicification and the potential export of carbon. Limnology and Oceanography, 2013, 58, 1707-1726.	3.1	16
16	Synthesis of Thresholds of Ocean Acidification Impacts on Echinoderms. Frontiers in Marine Science, 2021, 8, .	2.5	15
17	Swimming Speed of Larval Snail Does Not Correlate with Size and Ciliary Beat Frequency. PLoS ONE, 2013, 8, e82764.	2.5	15
18	Thermal tolerance of early development predicts the realized thermal niche in marine ectotherms. Functional Ecology, 2021, 35, 1679-1692.	3.6	14

#	Article	IF	Citations
19	Ocean acidification induces budding in larval sea urchins. Marine Biology, 2013, 160, 2129-2135.	1.5	11
20	Parental whole life cycle exposure modulates progeny responses to ocean acidification in slipper limpets. Global Change Biology, 2021, 27, 3272-3281.	9.5	11
21	Documenting neotropical diversity of phoronids with <scp>DNA</scp> barcoding of planktonic larvae. Invertebrate Biology, 2019, 138, e12242.	0.9	10
22	Phylogenetic, ecological and biomechanical constraints on larval form: A comparative morphological analysis of barnacle nauplii. PLoS ONE, 2018, 13, e0206973.	2.5	7
23	Swimming kinematics and hydrodynamics of barnacle larvae throughout development. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201360.	2.6	7
24	Vertical distribution of echinoid larvae in pH stratified water columns. Marine Biology, 2020, 167, 1.	1.5	6
25	Near future ocean acidification modulates the physiological impact of fluoxetine at environmental concentration on larval urchins. Science of the Total Environment, 2021, 801, 149709.	8.0	6
26	A Cryptic Marine Ciliate Feeds on Progametes of Noctiluca scintillans. Protist, 2017, 168, 1-11.	1.5	5
27	Microplastics impede larval urchin selective feeding. Science of the Total Environment, 2022, 838, 155770.	8.0	5
28	An Interdisciplinary Guided Inquiry on Estuarine Transport Using a Computer Model in High School Classrooms. American Biology Teacher, 2012, 74, 26-33.	0.2	4
29	Temporal variability modulates pH impact on larval sea urchin development. , 2020, 8, coaa008.		4
30	Resilience of invasive tubeworm (Hydroides dirampha) to warming and salinity stress and its implications for biofouling community dynamics. Marine Biology, 2020, 167, 1.	1.5	3
31	A Tailâ€™s Tale: Biomechanical Roles of Dorsal Thoracic Spine of Barnacle Nauplii. Integrative and Comparative Biology, 2021, , .	2.0	0