

Jonathan Y S Leung

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,895
citations

257450

24
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

2153
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal contamination of soil and water in the vicinity of an abandoned e-waste recycling site: Implications for dissemination of heavy metals. <i>Science of the Total Environment</i> , 2015, 506-507, 217-225.	8.0	303
2	Accumulation of microplastics in typical commercial aquatic species: A case study at a productive aquaculture site in China. <i>Science of the Total Environment</i> , 2020, 708, 135432.	8.0	167
3	Microplastic accumulation via trophic transfer: Can a predatory crab counter the adverse effects of microplastics by body defence?. <i>Science of the Total Environment</i> , 2021, 754, 142099.	8.0	108
4	Contamination, toxicity and speciation of heavy metals in an industrialized urban river: Implications for the dispersal of heavy metals. <i>Marine Pollution Bulletin</i> , 2016, 104, 153-161.	5.0	107
5	Ecological risk and pollution history of heavy metals in Nansha mangrove, South China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 143-151.	6.0	81
6	Adaptive Responses of Marine Gastropods to Heatwaves. <i>One Earth</i> , 2019, 1, 374-381.	6.8	69
7	Occurrence, composition and biological risk of organophosphate esters (OPEs) in water of the Pearl River Estuary, South China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14852-14862.	5.3	61
8	Mineralogical Plasticity Acts as a Compensatory Mechanism to the Impacts of Ocean Acidification. <i>Environmental Science & Technology</i> , 2017, 51, 2652-2659.	10.0	51
9	Trace metals in e-waste lead to serious health risk through consumption of rice growing near an abandoned e-waste recycling site: Comparisons with PBDEs and AHFRs. <i>Environmental Pollution</i> , 2019, 247, 46-54.	7.5	51
10	Linking energy budget to physiological adaptation: How a calcifying gastropod adjusts or succumbs to ocean acidification and warming. <i>Science of the Total Environment</i> , 2020, 715, 136939.	8.0	48
11	Heatwaves diminish the survival of a subtidal gastropod through reduction in energy budget and depletion of energy reserves. <i>Scientific Reports</i> , 2017, 7, 17688.	3.3	47
12	Habitat heterogeneity affects ecological functions of macrobenthic communities in a mangrove: Implication for the impact of restoration and afforestation. <i>Global Ecology and Conservation</i> , 2015, 4, 423-433.	2.1	44
13	Testing for thresholds of ecosystem collapse in seagrass meadows. <i>Conservation Biology</i> , 2017, 31, 1196-1201.	4.7	44
14	Biological risk, source and pollution history of organochlorine pesticides (OCPs) in the sediment in Nansha mangrove, South China. <i>Marine Pollution Bulletin</i> , 2015, 96, 57-64.	5.0	43
15	Comparing subsurface flow constructed wetlands with mangrove plants and freshwater wetland plants for removing nutrients and toxic pollutants. <i>Ecological Engineering</i> , 2016, 95, 129-137.	3.6	38
16	Impacts of Near-Future Ocean Acidification and Warming on the Shell Mechanical and Geochemical Properties of Gastropods from Intertidal to Subtidal Zones. <i>Environmental Science & Technology</i> , 2017, 51, 12097-12103.	10.0	37
17	Vertical profile of soil/sediment pollution and microbial community change by e-waste recycling operation. <i>Science of the Total Environment</i> , 2019, 669, 1001-1010.	8.0	37
18	Biological risk and pollution history of polycyclic aromatic hydrocarbons (PAHs) in Nansha mangrove, South China. <i>Marine Pollution Bulletin</i> , 2014, 85, 92-98.	5.0	32

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19	Accumulation and translocation of heavy metals in water hyacinth: Maximising the use of green resources to remediate sites impacted by e-waste recycling activities. <i>Ecological Indicators</i> , 2020, 115, 106384.	6.3	32
20	Historical trends and ecological risks of polybrominated diphenyl ethers (PBDEs) and alternative halogenated flame retardants (AHFRs) in a mangrove in South China. <i>Science of the Total Environment</i> , 2017, 599-600, 181-187.	8.0	31
21	Influence of plantation of an exotic mangrove species, <i>Sonneratia caseolaris</i> (L.) Engl., on macrobenthic infaunal community in Futian Mangrove National Nature Reserve, China. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 448, 1-9.	1.5	29
22	Calcifiers can Adjust Shell Building at the Nanoscale to Resist Ocean Acidification. <i>Small</i> , 2020, 16, e2003186.	10.0	28
23	Boosted nutritional quality of food by CO ₂ enrichment fails to offset energy demand of herbivores under ocean warming, causing energy depletion and mortality. <i>Science of the Total Environment</i> , 2018, 639, 360-366.	8.0	27
24	Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties. <i>Environmental Pollution</i> , 2022, 308, 119701.	7.5	27
25	Can mangrove plantation enhance the functional diversity of macrobenthic community in polluted mangroves?. <i>Marine Pollution Bulletin</i> , 2017, 116, 454-461.	5.0	26
26	Contamination and distribution of heavy metals, polybrominated diphenyl ethers and alternative halogenated flame retardants in a pristine mangrove. <i>Marine Pollution Bulletin</i> , 2016, 103, 344-348.	5.0	25
27	How calorie-rich food could help marine calcifiers in a CO ₂ -rich future. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190757.	2.6	24
28	Evaluation of the ability of black nightshade <i>Solanum nigrum</i> L. for phytoremediation of thallium-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11478-11487.	5.3	22
29	Acid dulls the senses: impaired locomotion and foraging performance in a marine mollusc. <i>Animal Behaviour</i> , 2015, 106, 223-229.	1.9	21
30	Long-term thermal acclimation drives adaptive physiological adjustments of a marine gastropod to reduce sensitivity to climate change. <i>Science of the Total Environment</i> , 2021, 771, 145208.	8.0	20
31	A novel approach for estimating the removal efficiencies of endocrine disrupting chemicals and heavy metals in wastewater treatment processes. <i>Marine Pollution Bulletin</i> , 2016, 112, 53-57.	5.0	19
32	Agricultural activities compromise ecosystem health and functioning of rivers: Insights from multivariate and multimetric analyses of macroinvertebrate assemblages. <i>Environmental Pollution</i> , 2021, 275, 116655.	7.5	19
33	Norethindrone causes cellular and hepatic injury in zebrafish by compromising the metabolic processes associated with antioxidant defence: Insights from metabolomics. <i>Chemosphere</i> , 2021, 275, 130049.	8.2	19
34	Adaptive responses of fishes to climate change: Feedback between physiology and behaviour. <i>Science of the Total Environment</i> , 2019, 692, 1242-1249.	8.0	18
35	Physiological and behavioural responses of different life stages of a serpulid polychaete to hypoxia. <i>Marine Ecology - Progress Series</i> , 2013, 477, 135-145.	1.9	16
36	Habitat Heterogeneity Determining the Macrobenthic Infaunal Community in a Mangrove Swamp in South China: Implication for Plantation and Plant Invasion. <i>Journal of Coastal Research</i> , 2015, 313, 624-633.	0.3	13

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37	Reproductive potential of mosquitofish is reduced by the masculinizing effect of a synthetic progesterone, gestodene: Evidence from morphology, courtship behaviour, ovary histology, sex hormones and gene expressions. <i>Science of the Total Environment</i> , 2021, 769, 144570.	8.0	13
38	Stress across life stages: Impacts, responses and consequences for marine organisms. <i>Science of the Total Environment</i> , 2020, 700, 134491.	8.0	12
39	Feeding behaviour of a serpulid polychaete: Turning a nuisance species into a natural resource to counter algal blooms?. <i>Marine Pollution Bulletin</i> , 2017, 115, 376-382.	5.0	11
40	Effects of hypoxia and non-lethal shell damage on shell mechanical and geochemical properties of a calcifying polychaete. <i>Biogeosciences</i> , 2018, 15, 3267-3276.	3.3	11
41	Functional loss in herbivores drives runaway expansion of weedy algae in a near-future ocean. <i>Science of the Total Environment</i> , 2019, 695, 133829.	8.0	11
42	Norethindrone alters mating behaviors, ovary histology, hormone production and transcriptional expression of steroidogenic genes in zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110496.	6.0	11
43	Hypoxia induces abnormal larval development and affects biofilm-larval interaction in the serpulid polychaete <i>Hydroides elegans</i> . <i>Marine Pollution Bulletin</i> , 2013, 76, 291-297.	5.0	9
44	Effect of parental hypoxic exposure on embryonic development of the offspring of two serpulid polychaetes: Implication for transgenerational epigenetic effect. <i>Marine Pollution Bulletin</i> , 2013, 74, 149-155.	5.0	9
45	Effects of hypoxia on biofilms and subsequently larval settlement of benthic invertebrates. <i>Marine Pollution Bulletin</i> , 2014, 85, 418-424.	5.0	9
46	Acute hypoxic exposure affects gamete quality and subsequent fertilization success and embryonic development in a serpulid polychaete. <i>Marine Pollution Bulletin</i> , 2014, 85, 439-445.	5.0	5
47	Editorial: Fitness of Marine Calcifiers in the Future Acidifying Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
48	Contamination and vertical distribution of As, Cd, Cr, Cu, Pb, Tl, and Zn in paddy soil irrigated with untreated leachate from tailings retention ponds. <i>Toxicological and Environmental Chemistry</i> , 2015, 97, 710-722.	1.2	3
49	Shark teeth can resist ocean acidification. <i>Global Change Biology</i> , 2022, , .	9.5	3
50	Water Resources: Problem and Solution. , 0, , .		0