James Kar-Hei Fang

List of Publications by Year
in descending order

49	2,074	279798	243625
papers	citations	23 h-index	44 g-index

49	49	49	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding plastic degradation and microplastic formation in the environment: A review. Environmental Pollution, 2021, 274, 116554.	7.5	559
2	Bioerosion: the other ocean acidification problem. ICES Journal of Marine Science, 2017, 74, 895-925.	2.5	129
3	Sponge biomass and bioerosion rates increase under ocean warming and acidification. Global Change Biology, 2013, 19, 3581-3591.	9.5	113
4	Microplastics from effluents of sewage treatment works and stormwater discharging into the Victoria Harbor, Hong Kong. Marine Pollution Bulletin, 2020, 157, 111181.	5.0	74
5	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. Journal of Hazardous Materials, 2022, 423, 127211.	12.4	72
6	BACI design reveals the decline of the seagrass Posidonia oceanica induced by anchoring. Marine Pollution Bulletin, 2008, 56, 1637-1645.	5.0	67
7	The response of a boreal deep-sea sponge holobiont to acute thermal stress. Scientific Reports, 2017, 7, 1660.	3.3	67
8	Personal Care and Cosmetic Products as a Potential Source of Environmental Contamination by Microplastics in a Densely Populated Asian City. Frontiers in Marine Science, 2021, 8, .	2.5	63
9	Detrimental effects of microplastic exposure on normal and asthmatic pulmonary physiology. Journal of Hazardous Materials, 2021, 416, 126069.	12.4	60
10	Effects of ocean warming and acidification on the energy budget of an excavating sponge. Global Change Biology, 2014, 20, 1043-1054.	9.5	55
11	Phagocytosis of microbial symbionts balances the carbon and nitrogen budget for the deepâ€water boreal sponge Geodia barretti. Limnology and Oceanography, 2018, 63, 187-202.	3.1	55
12	Metal concentrations in green-lipped mussels (Perna viridis) and rabbitfish (Siganus oramin) from Victoria Harbour, Hong Kong after pollution abatement. Marine Pollution Bulletin, 2008, 56, 1486-1491.	5.0	46
13	Physiological effects of plastic particles on mussels are mediated by food presence. Journal of Hazardous Materials, 2021, 404, 124136.	12.4	46
14	Engineering a microbial â€˜trap and releaseâ€™ mechanism for microplastics removal. Chemical Engineering Journal, 2021, 404, 127079.	12.7	45
15	Distribution and potential sources of microplastics in sediments in remote lakes of Tibet, China. Science of the Total Environment, 2022, 806, 150526.	8.0	45
16	Sponge bioerosion on changing reefs: ocean warming poses physiological constraints to the success of a photosymbiotic excavating sponge. Scientific Reports, 2017, 7, 10705.	3.3	40
17	The use of muscle burden in rabbitfish Siganus oramin for monitoring polycyclic aromatic hydrocarbons and polychlorinated biphenyls in Victoria Harbour, Hong Kong and potential human health risk. Science of the Total Environment, 2009, 407, 4327-4332.	8.0	38
18	Improved Raman spectroscopy-based approach to assess microplastics in seafood. Environmental Pollution, 2021, 289, 117648.	7.5	35

#	Article	IF	Citations
19	Measuring and monitoring persistent organic pollutants in the context of risk assessment. Marine Pollution Bulletin, 2008, 57, 236-244.	5.0	30
20	Recycling pathways in cold-water coral reefs: Use of dissolved organic matter and bacteria by key suspension feeding taxa. Scientific Reports, 2020, 10, 9942.	3.3	30
21	Determination of microplastics in the edible green-lipped mussel Perna viridis using an automated mapping technique of Raman microspectroscopy. Journal of Hazardous Materials, 2021, 420, 126541.	12.4	30
22	Nanobubble-assisted scaling inhibition in membrane distillation for the treatment of high-salinity brine. Water Research, 2022, 209, 117954.	11.3	30
23	Ingestion of nano/micro plastic particles by the mussel Mytilus coruscus is size dependent. Chemosphere, 2021, 263, 127957.	8.2	29
24	Bioeroding Sponges and the Future of Coral Reefs. , 2017, , 179-372.		27
25	Methods to quantify components of the excavating sponge <scp>C</scp>liona orientalis <scp>T</scp>hiele, 1900. Marine Ecology, 2013, 34, 193-206.	1.1	22
26	Deep-sea sponge grounds as nutrient sinks: denitrification is common in boreo-Arctic sponges. Biogeosciences, 2020, 17, 1231-1245.	3.3	21
27	Mine Waste and Acute Warming Induce Energetic Stress in the Deep-Sea Sponge Geodia atlantica and Coral Primnoa resedeaformis; Results From a Mesocosm Study. Frontiers in Marine Science, 2018, 5, .	2.5	19
28	Influences of ammoniaâ€“nitrogen and dissolved oxygen on lysosomal integrity in green-lipped mussel Perna viridis: Laboratory evaluation and field validation in Victoria Harbour, Hong Kong. Marine Pollution Bulletin, 2008, 56, 2052-2058.	5.0	18
29	Dayâ€“night ecophysiology of the photosymbiotic bioeroding sponge Cliona orientalis Thiele, 1900. Marine Biology, 2016, 163, 1.	1.5	18
30	Microplastics and food shortage impair the byssal attachment of thick-shelled mussel Mytilus coruscus. Marine Environmental Research, 2021, 171, 105455.	2.5	17
31	Effects of temperature and particle concentration on aggregation of nanoplastics in freshwater and seawater. Science of the Total Environment, 2022, 817, 152562.	8.0	17
32	Symbiotic plasticity of Symbiodinium in a common excavating sponge. Marine Biology, 2017, 164, 1.	1.5	16
33	Seasonality of bioaccumulation of trace organics and lysosomal integrity in green-lipped mussel Perna viridis. Science of the Total Environment, 2010, 408, 1458-1465.	8.0	15
34	Impact of particulate sediment, bentonite and barite (oil-drilling waste) on net fluxes of oxygen and nitrogen in Arctic-boreal sponges. Environmental Pollution, 2018, 238, 948-958.	7.5	15
35	The onset of surface-enhanced Raman scattering for single-particle detection of submicroplastics. Journal of Environmental Sciences, 2022, 121, 58-64.	6.1	15
36	Concentrations of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in green-lipped mussel Perna viridis from Victoria Harbour, Hong Kong and possible human health risk. Marine Pollution Bulletin, 2009, 58, 615-620.	5.0	14

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37	The significance of trophic transfer in the uptake of microplastics by carnivorous gastropod Reishia clavigera. Environmental Pollution, 2022, 298, 118862.	7.5	12
38	Bleaching and mortality of a photosymbiotic bioeroding sponge under future carbon dioxide emission scenarios. Oecologia, 2018, 187, 25-35.	2.0	11
39	Effects of Ocean Acidification on Molting, Oxidative Stress, and Gut Microbiota in Juvenile Horseshoe Crab Tachypleus tridentatus. Frontiers in Physiology, 2021, 12, 813582.	2.8	10
40	Macroalgal morphology mediates microplastic accumulation on thallus and in sediments. Science of the Total Environment, 2022, 825, 153987.	8.0	10
41	Studying interactions between excavating sponges and massive corals by the use of hybrid cores. Marine Ecology, 2017, 38, e12393.	1.1	9
42	Induction, adaptation and recovery of lysosomal integrity in green-lipped mussel Perna viridis. Marine Pollution Bulletin, 2008, 57, 467-472.	5.0	8
43	Power analysis for biomarkers in mussels for use in coastal pollution monitoring. Marine Pollution Bulletin, 2009, 58, 1152-1158.	5.0	8
44	Ethoxyresorufin-O-deethylase enzyme activities and accumulation of secondary/tertiary lysosomes in rabbitfish Siganus oramin as biomarkers for xenobiotic exposures. Science of the Total Environment, 2010, 408, 4833-4840.	8.0	5
45	Enhanced immunity and hemocytes proliferation by three immunostimulants in tri-spine horseshoe crab Tachypleus tridentatus. Fish and Shellfish Immunology, 2021, 115, 112-123.	3.6	5
46	Are Some Photosymbiotic Bioeroding Sponges More Bleaching-Tolerant than Hard Corals?. Journal of Marine Biology & Oceanography, 2018, 07, .	0.1	3
47	Spirulina platensispowder is an applicable feed additive for Chinese horseshoe crabTachypleus tridentatus. Aquaculture Research, 2021, 52, 2121-2129.	1.8	1
48	Viewpoints in bioerosion researchâ€"are we really disagreeing? A reply to the comment by Silbiger and DeCarlo (2017). ICES Journal of Marine Science, 2017, 74, 2494-2500.	2.5	0
49	Effect of Probiotics on Juvenile Tachypleus tridentatus Gut Microbiota. Journal of Ocean University of China, 2022, 21, 564-572.	1.2	0