

# James Kar-Hei Fang

## List of Publications by Year in descending order

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49  
papers

2,074  
citations

279798

23  
h-index

243625

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution and potential sources of microplastics in sediments in remote lakes of Tibet, China. <i>Science of the Total Environment</i> , 2022, 806, 150526.	8.0	45
2	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. <i>Journal of Hazardous Materials</i> , 2022, 423, 127211.	12.4	72
3	Nanobubble-assisted scaling inhibition in membrane distillation for the treatment of high-salinity brine. <i>Water Research</i> , 2022, 209, 117954.	11.3	30
4	Effects of temperature and particle concentration on aggregation of nanoplastics in freshwater and seawater. <i>Science of the Total Environment</i> , 2022, 817, 152562.	8.0	17
5	The significance of trophic transfer in the uptake of microplastics by carnivorous gastropod <i>Reishia clavigera</i> . <i>Environmental Pollution</i> , 2022, 298, 118862.	7.5	12
6	The onset of surface-enhanced Raman scattering for single-particle detection of submicroplastics. <i>Journal of Environmental Sciences</i> , 2022, 121, 58-64.	6.1	15
7	Macroalgal morphology mediates microplastic accumulation on thallus and in sediments. <i>Science of the Total Environment</i> , 2022, 825, 153987.	8.0	10
8	Effect of Probiotics on Juvenile <i>Tachypleus tridentatus</i> Gut Microbiota. <i>Journal of Ocean University of China</i> , 2022, 21, 564-572.	1.2	0
9	Ingestion of nano/micro plastic particles by the mussel <i>Mytilus coruscus</i> is size dependent. <i>Chemosphere</i> , 2021, 263, 127957.	8.2	29
10	Engineering a microbial "trap and release"™ mechanism for microplastics removal. <i>Chemical Engineering Journal</i> , 2021, 404, 127079.	12.7	45
11	Physiological effects of plastic particles on mussels are mediated by food presence. <i>Journal of Hazardous Materials</i> , 2021, 404, 124136.	12.4	46
12	<i>Spirulina platensis</i> powder is an applicable feed additive for Chinese horseshoe crab <i>Tachypleus tridentatus</i> . <i>Aquaculture Research</i> , 2021, 52, 2121-2129.	1.8	1
13	Understanding plastic degradation and microplastic formation in the environment: A review. <i>Environmental Pollution</i> , 2021, 274, 116554.	7.5	559
14	Personal Care and Cosmetic Products as a Potential Source of Environmental Contamination by Microplastics in a Densely Populated Asian City. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	63
15	Detrimental effects of microplastic exposure on normal and asthmatic pulmonary physiology. <i>Journal of Hazardous Materials</i> , 2021, 416, 126069.	12.4	60
16	Enhanced immunity and hemocytes proliferation by three immunostimulants in tri-spine horseshoe crab <i>Tachypleus tridentatus</i> . <i>Fish and Shellfish Immunology</i> , 2021, 115, 112-123.	3.6	5
17	Determination of microplastics in the edible green-lipped mussel <i>Perna viridis</i> using an automated mapping technique of Raman microspectroscopy. <i>Journal of Hazardous Materials</i> , 2021, 420, 126541.	12.4	30
18	Microplastics and food shortage impair the byssal attachment of thick-shelled mussel <i>Mytilus coruscus</i> . <i>Marine Environmental Research</i> , 2021, 171, 105455.	2.5	17

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19	Improved Raman spectroscopy-based approach to assess microplastics in seafood. <i>Environmental Pollution</i> , 2021, 289, 117648.	7.5	35
20	Effects of Ocean Acidification on Molting, Oxidative Stress, and Gut Microbiota in Juvenile Horseshoe Crab <i>Tachypleus tridentatus</i> . <i>Frontiers in Physiology</i> , 2021, 12, 813582.	2.8	10
21	Microplastics from effluents of sewage treatment works and stormwater discharging into the Victoria Harbor, Hong Kong. <i>Marine Pollution Bulletin</i> , 2020, 157, 111181.	5.0	74
22	Recycling pathways in cold-water coral reefs: Use of dissolved organic matter and bacteria by key suspension feeding taxa. <i>Scientific Reports</i> , 2020, 10, 9942.	3.3	30
23	Deep-sea sponge grounds as nutrient sinks: denitrification is common in boreo-Arctic sponges. <i>Biogeosciences</i> , 2020, 17, 1231-1245.	3.3	21
24	Impact of particulate sediment, bentonite and barite (oil-drilling waste) on net fluxes of oxygen and nitrogen in Arctic-boreal sponges. <i>Environmental Pollution</i> , 2018, 238, 948-958.	7.5	15
25	Bleaching and mortality of a photosymbiotic bioeroding sponge under future carbon dioxide emission scenarios. <i>Oecologia</i> , 2018, 187, 25-35.	2.0	11
26	Phagocytosis of microbial symbionts balances the carbon and nitrogen budget for the deep-water boreal sponge <i>Geodia barretti</i> . <i>Limnology and Oceanography</i> , 2018, 63, 187-202.	3.1	55
27	Mine Waste and Acute Warming Induce Energetic Stress in the Deep-Sea Sponge <i>Geodia atlantica</i> and Coral <i>Primnoa resedeaformis</i> ; Results From a Mesocosm Study. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	19
28	Are Some Photosymbiotic Bioeroding Sponges More Bleaching-Tolerant than Hard Corals?. <i>Journal of Marine Biology &amp; Oceanography</i> , 2018, 07, .	0.1	3
29	Symbiotic plasticity of Symbiodinium in a common excavating sponge. <i>Marine Biology</i> , 2017, 164, 1.	1.5	16
30	Bioerosion: the other ocean acidification problem. <i>ICES Journal of Marine Science</i> , 2017, 74, 895-925.	2.5	129
31	Bioeroding Sponges and the Future of Coral Reefs. , 2017, , 179-372.		27
32	Sponge bioerosion on changing reefs: ocean warming poses physiological constraints to the success of a photosymbiotic excavating sponge. <i>Scientific Reports</i> , 2017, 7, 10705.	3.3	40
33	The response of a boreal deep-sea sponge holobiont to acute thermal stress. <i>Scientific Reports</i> , 2017, 7, 1660.	3.3	67
34	Studying interactions between excavating sponges and massive corals by the use of hybrid cores. <i>Marine Ecology</i> , 2017, 38, e12393.	1.1	9
35	Viewpoints in bioerosion research—are we really disagreeing? A reply to the comment by Silbiger and DeCarlo (2017). <i>ICES Journal of Marine Science</i> , 2017, 74, 2494-2500.	2.5	0
36	Day-night ecophysiology of the photosymbiotic bioeroding sponge <i>Cliona orientalis</i> Thiele, 1900. <i>Marine Biology</i> , 2016, 163, 1.	1.5	18

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37	Effects of ocean warming and acidification on the energy budget of an excavating sponge. <i>Global Change Biology</i> , 2014, 20, 1043-1054.	9.5	55
38	Sponge biomass and bioerosion rates increase under ocean warming and acidification. <i>Global Change Biology</i> , 2013, 19, 3581-3591.	9.5	113
39	Methods to quantify components of the excavating sponge <i>Clypeosoma orientalis</i> <i>Tiele</i> , 1900. <i>Marine Ecology</i> , 2013, 34, 193-206.	1.1	22
40	Seasonality of bioaccumulation of trace organics and lysosomal integrity in green-lipped mussel <i>Perna viridis</i> . <i>Science of the Total Environment</i> , 2010, 408, 1458-1465.	8.0	15
41	Ethoxyresorufin-O-deethylase enzyme activities and accumulation of secondary/tertiary lysosomes in rabbitfish <i>Siganus oramin</i> as biomarkers for xenobiotic exposures. <i>Science of the Total Environment</i> , 2010, 408, 4833-4840.	8.0	5
42	The use of muscle burden in rabbitfish <i>Siganus oramin</i> for monitoring polycyclic aromatic hydrocarbons and polychlorinated biphenyls in Victoria Harbour, Hong Kong and potential human health risk. <i>Science of the Total Environment</i> , 2009, 407, 4327-4332.	8.0	38
43	Concentrations of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in green-lipped mussel <i>Perna viridis</i> from Victoria Harbour, Hong Kong and possible human health risk. <i>Marine Pollution Bulletin</i> , 2009, 58, 615-620.	5.0	14
44	Power analysis for biomarkers in mussels for use in coastal pollution monitoring. <i>Marine Pollution Bulletin</i> , 2009, 58, 1152-1158.	5.0	8
45	Measuring and monitoring persistent organic pollutants in the context of risk assessment. <i>Marine Pollution Bulletin</i> , 2008, 57, 236-244.	5.0	30
46	Induction, adaptation and recovery of lysosomal integrity in green-lipped mussel <i>Perna viridis</i> . <i>Marine Pollution Bulletin</i> , 2008, 57, 467-472.	5.0	8
47	Metal concentrations in green-lipped mussels ( <i>Perna viridis</i> ) and rabbitfish ( <i>Siganus oramin</i> ) from Victoria Harbour, Hong Kong after pollution abatement. <i>Marine Pollution Bulletin</i> , 2008, 56, 1486-1491.	5.0	46
48	BACI design reveals the decline of the seagrass <i>Posidonia oceanica</i> induced by anchoring. <i>Marine Pollution Bulletin</i> , 2008, 56, 1637-1645.	5.0	67
49	Influences of ammonia-nitrogen and dissolved oxygen on lysosomal integrity in green-lipped mussel <i>Perna viridis</i> : Laboratory evaluation and field validation in Victoria Harbour, Hong Kong. <i>Marine Pollution Bulletin</i> , 2008, 56, 2052-2058.	5.0	18