Ruei-Feng Shiu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4320505/publications.pdf

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19	420	687220	794469
papers	citations	13	19
		h-index	g-index

19	19	19	414
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New insights into the role of marine plastic-gels in microplastic transfer from water to the atmosphere via bubble bursting. Water Research, 2022, 222, 118856.	5.3	15
2	Stickiness of extracellular polymeric substances on different surfaces via magnetic tweezers. Science of the Total Environment, 2021, 757, 143766.	3.9	16
3	Effects of Rock Dust Particles on Airway Mucus Viscosity. Biotechnology and Bioprocess Engineering, 2021, 26, 427-434.	1.4	2
4	Marine Gel Interactions with Hydrophilic and Hydrophobic Pollutants. Gels, 2021, 7, 83.	2.1	13
5	Marine microplastics in the surface waters of â€œpristineâ€•Kuroshio. Marine Pollution Bulletin, 2021, 172, 112808.	2.3	9
6	Application of an innovative front aeration and internal recirculation strategy to improve the removal of pollutants in subsurface flow constructed wetlands. Journal of Environmental Management, 2020, 256, 109873.	3.8	18
7	Nano-plastics induce aquatic particulate organic matter (microgels) formation. Science of the Total Environment, 2020, 706, 135681.	3.9	55
8	Nano- and microplastics trigger secretion of protein-rich extracellular polymeric substances from phytoplankton. Science of the Total Environment, 2020, 748, 141469.	3.9	80
9	Protein to carbohydrate (P/C) ratio changes in microbial extracellular polymeric substances induced by oil and Corexit. Marine Chemistry, 2020, 223, 103789.	0.9	26
10	Alkylphenol ethoxylate metabolites in coastal sediments off southwestern Taiwan: Spatiotemporal variations, possible sources, and ecological risk. Chemosphere, 2019, 225, 9-18.	4.2	20
11	Impact of exposure of crude oil and dispersant (Corexit) on aggregation of extracellular polymeric substances. Science of the Total Environment, 2019, 657, 1535-1542.	3.9	22
12	Reduction in the exchange of coastal dissolved organic matter and microgels by inputs of extra riverine organic matter. Water Research, 2018, 131, 161-166.	5.3	15
13	Superhydrophobic graphene-based sponge as a novel sorbent for crude oil removal under various environmental conditions. Chemosphere, 2018, 207, 110-117.	4.2	48
14	Role of microgel formation in scavenging of chromophoric dissolved organic matter and heavy metals in a river-sea system. Journal of Hazardous Materials, 2017, 328, 12-20.	6.5	23
15	Effects of anthropogenic surfactants on the conversion of marine dissolved organic carbon and microgels. Marine Pollution Bulletin, 2017, 117, 156-160.	2.3	15
16	Use of a numerical simulation approach to improve the estimation of air-water exchange fluxes of polycyclic aromatic hydrocarbons in a coastal zone. Marine Pollution Bulletin, 2017, 120, 259-267.	2.3	3
17	Improvement of nitrogen removal by external aeration and intermittent circulation in a subsurface flow constructed wetland of landscape garden ponds. Chemical Engineering Research and Design, 2016, 104, 587-597.	2.7	10
18	Purification of landscape water by using an innovative application of subsurface flow constructed wetland. Environmental Science and Pollution Research, 2016, 23, 535-545.	2.7	9

#	Article	IF	Citations
19	Carbonaceous particles reduce marine microgel formation. Scientific Reports, 2014, 4, 5856.	1.6	21