Ruei-Feng Shiu

List of Publications by Year
in descending order

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

Version: 2024-02-01

19	420	687363 13	794594 19
papers	citations	h-index	g-index

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

#	Article	IF	Citations
1	Nano- and microplastics trigger secretion of protein-rich extracellular polymeric substances from phytoplankton. Science of the Total Environment, 2020, 748, 141469.	8.0	80
2	Nano-plastics induce aquatic particulate organic matter (microgels) formation. Science of the Total Environment, 2020, 706, 135681.	8.0	55
3	Superhydrophobic graphene-based sponge as a novel sorbent for crude oil removal under various environmental conditions. Chemosphere, 2018, 207, 110-117.	8.2	48
4	Protein to carbohydrate (P/C) ratio changes in microbial extracellular polymeric substances induced by oil and Corexit. Marine Chemistry, 2020, 223, 103789.	2.3	26
5	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.	12.4	23
6	Impact of exposure of crude oil and dispersant (Corexit) on aggregation of extracellular polymeric substances. Science of the Total Environment, 2019, 657, 1535-1542.	8.0	22
7	Carbonaceous particles reduce marine microgel formation. Scientific Reports, 2014, 4, 5856.	3.3	21
8	Alkylphenol ethoxylate metabolites in coastal sediments off southwestern Taiwan: Spatiotemporal variations, possible sources, and ecological risk. Chemosphere, 2019, 225, 9-18.	8.2	20
9	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.	7.8	18
10	Stickiness of extracellular polymeric substances on different surfaces via magnetic tweezers. Science of the Total Environment, 2021, 757, 143766.	8.0	16
11	Effects of anthropogenic surfactants on the conversion of marine dissolved organic carbon and microgels. Marine Pollution Bulletin, 2017, 117, 156-160.	5.0	15
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.	11.3	15
13	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.	11.3	15
14	Marine Gel Interactions with Hydrophilic and Hydrophobic Pollutants. Gels, 2021, 7, 83.	4.5	13
15	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.	5.6	10
16	Purification of landscape water by using an innovative application of subsurface flow constructed wetland. Environmental Science and Pollution Research, 2016, 23, 535-545.	5.3	9
17	Marine microplastics in the surface waters of â€œpristineâ€•Kuroshio. Marine Pollution Bulletin, 2021, 172, 112808.	5.0	9
18	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.	5.0	3

#	Article	IF	Citations
19	Effects of Rock Dust Particles on Airway Mucus Viscosity. Biotechnology and Bioprocess Engineering, 2021, 26, 427-434.	2.6	2