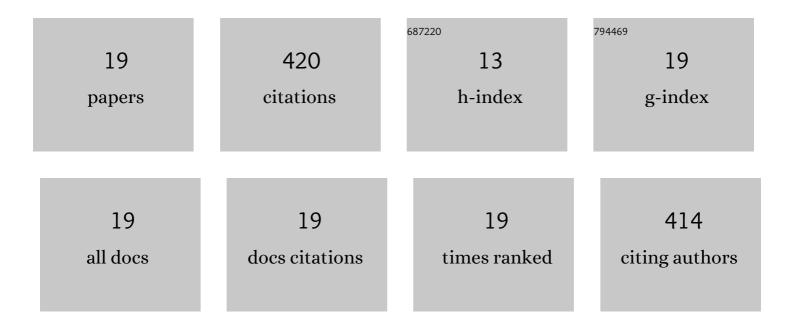
Ruei-Feng Shiu

List of Publications by Year in descending order

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RUELFENC SHUL

| # | 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 "pristine―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 |