Ya-Wei Luo

List of Publications by Year
in descending order

25 papers	1,301 citations	687363 13 h-index	610901 24 g-index
31 all docs	31 docs citations	31 times ranked	1880 citing authors

#	Article	IF	Citations
1	Modeling polar marine ecosystem functions guided by bacterial physiological and taxonomic traits. Biogeosciences, 2022, 19, 117-136.	3.3	1
2	Diverse Subclade Differentiation Attributed to the Ubiquity of Prochlorococcus High-Light-Adapted Clade II. MBio, 2022, 13, e0302721.	4.1	3
3	A Competitive Advantage of Middle-Sized Diatoms From Increasing Seawater CO2. Frontiers in Microbiology, 2022, 13, .	3.5	2
4	Controlling factors on the global distribution of a representative marine non-cyanobacterial diazotroph phylotype (GammaÂA). Biogeosciences, 2022, 19, 2939-2952.	3.3	7
5	Assessment of Explicit Representation of Dynamic Viral Processes in Regional Marine Ecological Models. Viruses, 2022, 14, 1448.	3.3	3
6	N ₂ Fixation in Trichodesmium Does Not Require Spatial Segregation from Photosynthesis. MSystems, 2022, 7, .	3.8	12
7	A global viral oceanography database (gVOD). Earth System Science Data, 2021, 13, 1251-1271.	9.9	9
8	WAP-1D-VAR v1.0: development and evaluation of a one-dimensional variational data assimilation model for the marine ecosystem along the West Antarctic Peninsula. Geoscientific Model Development, 2021, 14, 4939-4975.	3.6	5
9	Reduced nitrogenase efficiency dominates response of the globally important nitrogen fixer Trichodesmium to ocean acidification. Nature Communications, 2019, 10, 1521.	12.8	45
10	Modeling the contribution of the microbial carbon pump to carbon sequestration in the South China Sea. Science China Earth Sciences, 2018, 61, 1594-1604.	5.2	12
11	Contribution of structural recalcitrance to the formation of the deep oceanic dissolved organic carbon reservoir. Environmental Microbiology Reports, 2018, 10, 711-717.	2.4	13
12	Carbon pools and fluxes in the China Seas and adjacent oceans. Science China Earth Sciences, 2018, 61, 1535-1563.	5.2	51
13	Modelling marine DOC degradation time scales. National Science Review, 2018, 5, 468-474.	9.5	12
14	The complex effects of ocean acidification on the prominent N ₂ -fixing cyanobacterium Trichodesmium. Science, 2017, 356, 527-531.	12.6	99
15	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. Science China Earth Sciences, 2017, 60, 809-820.	5.2	35
16	Comment on â€œDilution limits dissolved organic carbon utilization in the deep oceanâ€• Science, 2015, 350, 1483-1483.	12.6	33
17	Ecological niches of open ocean phytoplankton taxa. Limnology and Oceanography, 2015, 60, 1020-1038.	3.1	104
18	Mechanisms of microbial carbon sequestration in the ocean â€“ future research directions. Biogeosciences, 2014, 11, 5285-5306.	3.3	177

#	Article	IF	Citations
19	Data-based assessment of environmental controls on global marine nitrogen fixation. Biogeosciences, 2014, 11, 691-708.	3.3	87
20	Corrigendum to "Mechanisms of microbial carbon sequestration in the ocean â€“ future research directions" published in Biogeosciences, 11, 5285â€“5306, 2014. Biogeosciences, 2014, 11, 5565-5565.	3.3	1
21	MAREDAT: towards a world atlas of MARine Ecosystem DATa. Earth System Science Data, 2013, 5, 227-239.	9.9	145
22	Interannual variability of primary production and dissolved organic nitrogen storage in the North Pacific Subtropical Gyre. Journal of Geophysical Research, 2012, 117, .	3.3	16
23	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	9.9	315
24	Oceanic heterotrophic bacterial nutrition by semilabile DOM as revealed by data assimilative modeling. Aquatic Microbial Ecology, 2010, 60, 273-287.	1.8	33
25	Towards a better understanding of microbial carbon flux in the sea*. Aquatic Microbial Ecology, 2008, 53, 21-38.	1.8	81