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	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	9.9	315
2	Mechanisms of microbial carbon sequestration in the ocean â€“ future research directions. Biogeosciences, 2014, 11, 5285-5306.	3.3	177
3	MAREDAT: towards a world atlas of MARine Ecosystem DATa. Earth System Science Data, 2013, 5, 227-239.	9.9	145
4	Ecological niches of open ocean phytoplankton taxa. Limnology and Oceanography, 2015, 60, 1020-1038.	3.1	104
5	The complex effects of ocean acidification on the prominent N ₂ -fixing cyanobacterium Trichodesmium. Science, 2017, 356, 527-531.	12.6	99
6	Data-based assessment of environmental controls on global marine nitrogen fixation. Biogeosciences, 2014, 11, 691-708.	3.3	87
7	Towards a better understanding of microbial carbon flux in the sea*. Aquatic Microbial Ecology, 2008, 53, 21-38.	1.8	81
8	Carbon pools and fluxes in the China Seas and adjacent oceans. Science China Earth Sciences, 2018, 61, 1535-1563.	5.2	51
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	Processes of coastal ecosystem carbon sequestration and approaches for increasing carbon sink. Science China Earth Sciences, 2017, 60, 809-820.	5.2	35
11	Comment on â€œDilution limits dissolved organic carbon utilization in the deep oceanâ€. Science, 2015, 350, 1483-1483.	12.6	33
12	Oceanic heterotrophic bacterial nutrition by semilabile DOM as revealed by data assimilative modeling. Aquatic Microbial Ecology, 2010, 60, 273-287.	1.8	33
13	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
14	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
15	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
16	Modelling marine DOC degradation time scales. National Science Review, 2018, 5, 468-474.	9.5	12
17	N ₂ Fixation in Trichodesmium Does Not Require Spatial Segregation from Photosynthesis. MSystems, 2022, 7, .	3.8	12
18	A global viral oceanography database (gVOD). Earth System Science Data, 2021, 13, 1251-1271.	9.9	9

#	Article	IF	Citations
19	Controlling factors on the global distribution of a representative marine non-cyanobacterial diazotroph phylotype (GammaÂA). Biogeosciences, 2022, 19, 2939-2952.	3.3	7
20	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
21	Diverse Subclade Differentiation Attributed to the Ubiquity of Prochlorococcus High-Light-Adapted Clade II. MBio, 2022, 13, e0302721.	4.1	3
22	Assessment of Explicit Representation of Dynamic Viral Processes in Regional Marine Ecological Models. Viruses, 2022, 14, 1448.	3.3	3
23	A Competitive Advantage of Middle-Sized Diatoms From Increasing Seawater CO2. Frontiers in Microbiology, 2022, 13, .	3.5	2
24	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
25	Modeling polar marine ecosystem functions guided by bacterial physiological and taxonomic traits. Biogeosciences, 2022, 19, 117-136.	3.3	1