Weiwei Fu

List of Publications by Year
in descending order

		840585	677027
23 papers	750 citations	11 h-index	22 g-index
23 all docs	23 docs citations	23 times ranked	1397 citing authors

#	Article	IF	Citations
1	Sustained climate warming drives declining marine biological productivity. Science, 2018, 359, 1139-1143.	6.0	276
2	Climate change impacts on net primary production (NPP) and export production (EP) regulated by increasing stratification and phytoplankton community structure in the CMIP5 models. Biogeosciences, 2016, 13, 5151-5170.	1.3	156
3	Biogeochemical controls of surface ocean phosphate. Science Advances, 2019, 5, eaax0341.	4.7	84
4	Reversal of Increasing Tropical Ocean Hypoxia Trends With Sustained Climate Warming. Global Biogeochemical Cycles, 2018, 32, 551-564.	1.9	39
5	Assimilating temperature and salinity profile observations using an anisotropic recursive filter in a coastal ocean model. Ocean Modelling, 2009, 30, 75-87.	1.0	30
6	A three-dimensional variational ocean data assimilation system: Scheme and preliminary results. Science in China Series D: Earth Sciences, 2006, 49, 1212-1222.	0.9	28
7	Application of an Ensemble Optimal Interpolation in a North/Baltic Sea model: Assimilating temperature and salinity profiles. Ocean Modelling, 2011, 40, 227-245.	1.0	27
8	A comparison between 3DVAR and EnOI techniques for satellite altimetry data assimilation. Ocean Modelling, 2009, 26, 206-216.	1.0	24
9	Assimilating high-resolution sea surface temperature data improves the ocean forecast potential in the Baltic Sea. Ocean Science, 2018, 14, 525-541.	1.3	14
10	Toward a global ocean data assimilation system based on ensemble optimum interpolation: altimetry data assimilation experiment. Ocean Dynamics, 2009, 59, 587-602.	0.9	12
11	Estimating the volume and salt transports during a major inflow event in the Baltic Sea with the reanalysis of the hydrography based on 3DVAR. Journal of Geophysical Research: Oceans, 2013, 118, 3103-3113.	1.0	12
12	Ocean data assimilation with background error covariance derived from OGCM outputs. Advances in Atmospheric Sciences, 2004, 21, 181-192.	1.9	9
13	The impact of location-dependent correlation scales in ocean data assimilation. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	8
14	A Growing Freshwater Lens in the Arctic Ocean With Sustained Climate Warming Disrupts Marine Ecosystem Function. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005693.	1.3	8
15	Tracing ventilation source of tropical pacific oxygen minimum zones with an adjoint global ocean transport model. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 139, 95-103.	0.6	5
16	On the Role of Temperature and Salinity Data Assimilation to Constrain a Coupled Physical–Biogeochemical Model in the Baltic Sea. Journal of Physical Oceanography, 2016, 46, 713-729.	0.7	4
17	Biogeochemical Equilibrium Responses to Maximal Productivity in High Nutrient Low Chlorophyll Regions. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	4
18	Effects of Sea Level Data Assimilation by Ensemble Optimal Interpolation and 3D Variational Data Assimilation on the Simulation of Variability in a Tropical Pacific Model. Journal of Atmospheric and Oceanic Technology, 2011, 28, 1624-1640.	0.5	3

#	Article	IF	Citations
19	Application of a fast Newton–Krylov solver for equilibrium simulations of phosphorus and oxygen. Ocean Modelling, 2017, 119, 35-44.	1.0	3
20	Modeling the tropical Pacific Ocean using a regional coupled climate model. Advances in Atmospheric Sciences, 2006, 23, 625-638.	1.9	2
21	Improved ENSO simulation in regional coupled GCM using regressive correction method. Science in China Series D: Earth Sciences, 2007, 50, 1258-1265.	0.9	1
22	Altimetric data assimilation by EnOI and 3DVAR in a tropical pacific model: Impact on the simulation of variability. Advances in Atmospheric Sciences, 2012, 29, 823-837.	1.9	1
23	Linkage between multi-model uncertainties and the role of ocean heat content in ocean carbon uptake. Ocean Dynamics, 2018, 68, 1311-1319.	0.9	0