Sakina-DorothÃ©e Ayata

List of Publications by Year
in descending order

24 papers	1,230 citations	471509 17 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	2011 citing authors

#	Article	IF	Citations
1	Globally Consistent Quantitative Observations of Planktonic Ecosystems. Frontiers in Marine Science, 2019, 6, .	2.5	234
2	Identifying copepod functional groups from species functional traits. Journal of Plankton Research, 2016, 38, 159-166.	1.8	155
3	Functional traitâ€based approaches as a common framework for aquatic ecologists. Limnology and Oceanography, 2021, 66, 965-994.	3.1	99
4	Biophysical modelling to investigate the effects of climate change on marine population dispersal and connectivity. Progress in Oceanography, 2010, 87, 106-113.	3.2	89
5	How does the connectivity between populations mediate range limits of marine invertebrates? A case study of larval dispersal between the Bay of Biscay and the English Channel (North-East Atlantic). Progress in Oceanography, 2010, 87, 18-36.	3.2	73
6	Regionalisation of the Mediterranean basin, a MERMEX synthesis. Progress in Oceanography, 2018, 163, 7-20.	3.2	65
7	Mixotrophic protists display contrasted biogeographies in the global ocean. ISME Journal, 2019, 13, 1072-1083.	9.8	55
8	Modelling larval dispersal and settlement of the reef-building polychaete Sabellaria alveolata: Role of hydroclimatic processes on the sustainability of biogenic reefs. Continental Shelf Research, 2009, 29, 1605-1623.	1.8	54
9	Machine Learning for the Study of Plankton and Marine Snow from Images. Annual Review of Marine Science, 2022, 14, 277-301.	11.6	51
10	Do functional groups of planktonic copepods differ in their ecological niches?. Journal of Biogeography, 2018, 45, 604-616.	3.0	45
11	A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. Marine Pollution Bulletin, 2015, 95, 28-39.	5.0	41
12	Phytoplankton growth formulation in marine ecosystem models: Should we take into account photo-acclimation and variable stoichiometry in oligotrophic areas?. Journal of Marine Systems, 2013, 125, 29-40.	2.1	38
13	Biogeochemical regions of the Mediterranean Sea: An objective multidimensional and multivariate environmental approach. Progress in Oceanography, 2017, 151, 138-148.	3.2	36
14	Traitâ€based approach using in situ copepod images reveals contrasting ecological patterns across an Arctic ice melt zone. Limnology and Oceanography, 2021, 66, 1155-1167.	3.1	30
15	Climate change may have minor impact on zooplankton functional diversity in the Mediterranean Sea. Diversity and Distributions, 2019, 25, 568-581.	4.1	26
16	Meroplankton distribution and its relationship to coastal mesoscale hydrological structure in the northern Bay of Biscay (NE Atlantic). Journal of Plankton Research, 2011, 33, 1193-1211.	1.8	25
17	Does larval supply explain the low proliferation of the invasive gastropod Crepidula fornicata in a tidal estuary?. Biological Invasions, 2010, 12, 3171-3186.	2.4	19
18	Investigating uncertainties in zooplankton composition shifts under climate change scenarios in the Mediterranean Sea. Ecography, 2018, 41, 345-360.	4.5	19

#	Article	IF	Citations
19	Towards omics-based predictions of planktonic functional composition from environmental data. Nature Communications, 2021, 12, 4361.	12.8	16
20	Patterns of mesozooplankton community composition and vertical fluxes in the global ocean. Progress in Oceanography, 2022, 200, 102717.	3.2	16
21	Modelling the effect of temperature on phytoplankton growth across the global ocean. IFAC-PapersOnLine, 2015, 48, 228-233.	0.9	14
22	Phytoplankton plasticity drives large variability in carbon fixation efficiency. Geophysical Research Letters, 2014, 41, 8994-9000.	4.0	13
23	Mare Incognitum: A Glimpse into Future Plankton Diversity and Ecology Research. Frontiers in Marine Science, 2017, 4, .	2.5	10
24	Length, width, shape regularity, and chain structure: time series analysis of phytoplankton morphology from imagery. Limnology and Oceanography, 2022, 67, 1850-1864.	3.1	6