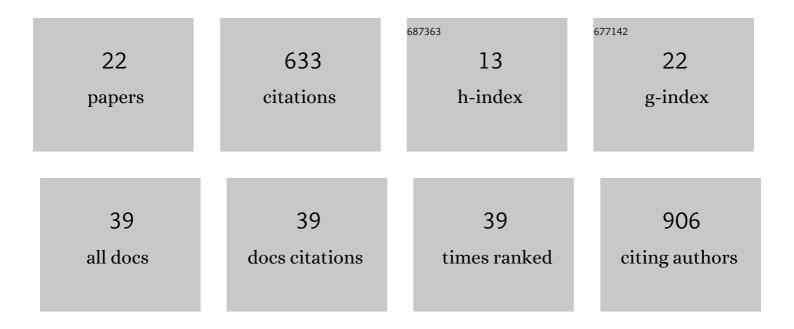
## Matthieu Bressac

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8653129/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Evidence of active dinitrogen fixation in surface waters of the eastern tropical South Pacific during El Niño and La Niña events and evaluation of its potential nutrient controls. Global Biogeochemical Cycles, 2013, 27, 768-779.	4.9	76
2	Exploring the ecology of the mesopelagic biological pump. Progress in Oceanography, 2019, 176, 102125.	3.2	55
3	Impacts of dust deposition on dissolved trace metal concentrations (Mn, Al and Fe) during a mesocosm experiment. Biogeosciences, 2013, 10, 2583-2600.	3.3	52
4	Quantification of the lithogenic carbon pump following a simulated dust-deposition event in large mesocosms. Biogeosciences, 2014, 11, 1007-1020.	3.3	45
5	A mesocosm experiment coupled with optical measurements to assess the fate and sinking of atmospheric particles in clear oligotrophic waters. Geo-Marine Letters, 2012, 32, 153-164.	1.1	43
6	Perspective on identifying and characterizing the processes controlling iron speciation and residence time at the atmosphere-ocean interface. Marine Chemistry, 2019, 217, 103704.	2.3	41
7	Impact of dust deposition on carbon budget: a tentative assessment from a mesocosm approach. Biogeosciences, 2014, 11, 5621-5635.	3.3	39
8	Postâ€depositional processes: What really happens to new atmospheric iron in the ocean's surface?. Global Biogeochemical Cycles, 2013, 27, 859-870.	4.9	37
9	Resupply of mesopelagic dissolved iron controlled by particulate iron composition. Nature Geoscience, 2019, 12, 995-1000.	12.9	29
10	Microbial Competition in the Subpolar Southern Ocean: An Fe–C Co-limitation Experiment. Frontiers in Marine Science, 2020, 6, .	2.5	24
11	Characterizing the surface microlayer in the Mediterranean Sea: trace metal concentrations and microbial plankton abundance. Biogeosciences, 2020, 17, 2349-2364.	3.3	23
12	Role of ultra-violet radiation, mercury and copper on the stability of dissolved glutathione in natural and artificial freshwater and saltwater. Chemosphere, 2010, 80, 1314-1320.	8.2	22
13	Excess of 236U in the northwest Mediterranean Sea. Science of the Total Environment, 2016, 565, 767-776.	8.0	22
14	Contribution of Electroactive Humic Substances to the Ironâ€Binding Ligands Released During Microbial Remineralization of Sinking Particles. Geophysical Research Letters, 2020, 47, e2019GL086685.	4.0	14
15	Temporal evolution of 137 Cs, 237 Np, and 239+240 Pu and estimated vertical 239+240 Pu export in the northwestern Mediterranean Sea. Science of the Total Environment, 2017, 595, 178-190.	8.0	13
16	Dissolved inorganic nitrogen and phosphorus dynamics in seawater following an artificial Saharan dust deposition event. Frontiers in Marine Science, 2015, 2, .	2.5	12
17	Wet deposition in the remote western and central Mediterranean as a source of trace metals to surface seawater. Atmospheric Chemistry and Physics, 2022, 22, 2309-2332.	4.9	10
18	Dissolved Iron Patterns Impacted by Shallow Hydrothermal Sources Along a Transect Through the Tongaâ€Kermadec Arc. Global Biogeochemical Cycles, 2022, 36, .	4.9	10

#	Article	IF	CITATIONS
19	Developing a test-bed for robust research governance of geoengineering: the contribution of ocean iron biogeochemistry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150299.	3.4	9
20	Subsurface iron accumulation and rapid aluminum removal in the Mediterranean following African dust deposition. Biogeosciences, 2021, 18, 6435-6453.	3.3	7
21	Contrasted release of insoluble elements (Fe, Al, rare earth elements, Th, Pa) after dust deposition in seawater: a tank experiment approach. Biogeosciences, 2021, 18, 2663-2678.	3.3	6
22	N <sub>2</sub> fixation in the Mediterranean Sea related to the composition of the diazotrophic community and impact of dust under present and future environmental conditions. Biogeosciences, 2022, 19, 415-435.	3.3	5