

# Tarik Meziane

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

2,361  
citations

27  
h-index

46  
g-index

81  
ext. papers

2,684  
ext. citations

3.7  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
79	Amazon River carbon dioxide outgassing fuelled by wetlands. <i>Nature</i> , <b>2014</b> , 505, 395-8	50.4	224
78	Fatty acids as tracers of organic matter in the sediment and food web of a mangrove/intertidal flat ecosystem, Okinawa, Japan. <i>Marine Ecology - Progress Series</i> , <b>2000</b> , 200, 49-57	2.6	128
77	Growth and condition indices in juvenile sole <i>Solea solea</i> measured to assess the quality of essential fish habitat. <i>Marine Ecology - Progress Series</i> , <b>2007</b> , 351, 201-208	2.6	110
76	Highly dynamic cellular-level response of symbiotic coral to a sudden increase in environmental nitrogen. <i>MBio</i> , <b>2013</b> , 4, e00052-13	7.8	104
75	Symbiotic zooxanthellae provide the host-coral <i>Montipora digitata</i> with polyunsaturated fatty acids. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2003</b> , 135, 533-7	2.3	98
74	Tracing soil organic carbon in the lower Amazon River and its tributaries using GDGT distributions and bulk organic matter properties. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 90, 163-180	5.5	81
73	Fatty acids as trophic tracers in an experimental estuarine food chain: Tracer transfer. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 336, 42-53	2.1	80
72	Organic matter in a subtropical mangrove-estuary subjected to wastewater discharge: Origin and utilisation by two macrozoobenthic species. <i>Journal of Sea Research</i> , <b>2002</b> , 47, 1-11	1.9	79
71	The use of lipid markers to define sources of organic matter in sediment and food web of the intertidal salt-marsh-flat ecosystem of Mont-Saint-Michel Bay, France. <i>Journal of Sea Research</i> , <b>1997</b> , 38, 47-58	1.9	76
70	Litter dynamics and particulate organic matter outwelling from a subtropical mangrove in Okinawa Island, South Japan. <i>Estuarine, Coastal and Shelf Science</i> , <b>2005</b> , 63, 301-313	2.9	72
69	Investigating the distribution and sources of organic matter in surface sediment of Coombabah Lake (Australia) using elemental, isotopic and fatty acid biomarkers. <i>Continental Shelf Research</i> , <b>2008</b> , 28, 2535-2549	2.4	71
68	Impacts of shrimp farm effluent on water quality, benthic metabolism and N-dynamics in a mangrove forest (New Caledonia). <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 117, 12-21	2.9	69
67	Role of fiddler crabs of a subtropical intertidal flat on the fate of sedimentary fatty acids. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2002</b> , 270, 191-201	2.1	67
66	Organisms as cooperative ecosystem engineers in intertidal flats. <i>Journal of Sea Research</i> , <b>2014</b> , 92, 92-104	2.4	58
65	Stable isotope and fatty acid tracers in energy and nutrient studies of jellyfish: a review. <i>Hydrobiologia</i> , <b>2009</b> , 616, 119-132	2.4	56
64	Fatty acid and stable isotope ( $\delta^{13}C$ , $\delta^{15}N$ ) signatures of particulate organic matter in the lower Amazon River: Seasonal contrasts and connectivity between floodplain lakes and the mainstem. <i>Organic Geochemistry</i> , <b>2011</b> , 42, 1159-1168	3.1	54
63	Fate of mangrove organic matter along a subtropical estuary: small-scale exportation and contribution to the food of crab communities. <i>Marine Ecology - Progress Series</i> , <b>2006</b> , 312, 15-27	2.6	51

62	Ontogenetic change in the lipid and fatty acid composition of scleractinian coral larvae. <i>Coral Reefs</i> , <b>2012</b> , 31, 613-619	4.2	47
61	Growth and condition indices of juvenile turbot, <i>Scophthalmus maximus</i> , exposed to contaminated sediments: effects of metallic and organic compounds. <i>Aquatic Toxicology</i> , <b>2012</b> , 108, 130-40	5.1	36
60	There's more to the picture than meets the eye: Sampling microphytobenthos in a heterogeneous environment. <i>Estuarine, Coastal and Shelf Science</i> , <b>2011</b> , 95, 470-476	2.9	35
59	Inter-specific and geographical variations in the fatty acid composition of mangrove leaves: implications for using fatty acids as a taxonomic tool and tracers of organic matter. <i>Marine Biology</i> , <b>2007</b> , 150, 1103-1113	2.5	35
58	Fatty acids in decomposing mangrove leaves: microbial activity, decay and nutritional quality. <i>Marine Ecology - Progress Series</i> , <b>2003</b> , 265, 97-105	2.6	33
57	Acclimation effect on fatty acids of the coral <i>Montipora digitata</i> and its symbiotic algae. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2007</b> , 147, 583-9	2.3	32
56	Concentrations and Fractionation of Carbon, Iron, Sulfur, Nitrogen and Phosphorus in Mangrove Sediments Along an Intertidal Gradient (Semi-Arid Climate, New Caledonia). <i>Journal of Marine Science and Engineering</i> , <b>2015</b> , 3, 52-72	2.4	31
55	Responses of juvenile sea bass, <i>Dicentrarchus labrax</i> , exposed to acute concentrations of crude oil, as assessed by molecular and physiological biomarkers. <i>Chemosphere</i> , <b>2012</b> , 87, 692-702	8.4	31
54	Trophic opportunism of central Amazon floodplain fish. <i>Freshwater Biology</i> , <b>2015</b> , 60, 1659-1670	3.1	28
53	Oxygen and nutrient dynamics of the upside down jellyfish ( <i>Cassiopea</i> sp.) and its influence on benthic nutrient exchanges and primary production. <i>Hydrobiologia</i> , <b>2009</b> , 635, 351-362	2.4	28
52	Light intensity influences the production and translocation of fatty acids by zooxanthellae in the jellyfish <i>Cassiopea</i> sp.. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2009</b> , 378, 22-30	2.1	27
51	Trophic resources of the bivalve, <i>Venus verrucosa</i> , in the Chausey archipelago (Normandy, France) determined by stable isotopes and fatty acids. <i>Aquatic Living Resources</i> , <b>2013</b> , 26, 229-239	1.5	26
50	Seasonal variations of the composition of microbial biofilms in sandy tidal flats: Focus of fatty acids, pigments and exopolymers. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 153, 29-37	2.9	24
49	The impact of suspended oyster farming on nitrogen cycling and nitrous oxide production in a sub-tropical Australian estuary. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 192, 117-127	2.9	21
48	Carbon biogeochemistry and CO <sub>2</sub> emissions in a human impacted and mangrove dominated tropical estuary (Can Gio, Vietnam). <i>Biogeochemistry</i> , <b>2018</b> , 138, 261-275	3.8	21
47	Opportunistic predation by small fishes on epibiota of jetty pilings in urban waterways. <i>Journal of Fish Biology</i> , <b>2008</b> , 72, 205-217	1.9	21
46	Foraminiferal assemblages as bioindicators to assess potential pollution in mangroves used as a natural biofilter for shrimp farm effluents (New Caledonia). <i>Marine Pollution Bulletin</i> , <b>2015</b> , 93, 103-20	6.7	20
45	Picophytoplankton contribution to <i>Mytilus edulis</i> growth in an intensive culture environment. <i>Marine Biology</i> , <b>2016</b> , 163, 1	2.5	20

44	Identification of the food sources of sympatric ghost shrimp ( <i>Trypaea australiensis</i> ) and soldier crab ( <i>Mictyris longicarpus</i> ) populations using a lipid biomarker, dual stable isotope approach. <i>Austral Ecology</i> , <b>2009</b> , 34, 878-888	1.5	20
43	Spatial changes in fatty acids signatures of the great scallop <i>Pecten maximus</i> across the Bay of Biscay continental shelf. <i>Continental Shelf Research</i> , <b>2015</b> , 109, 1-9	2.4	19
42	Spatio-temporal variations in the composition of organic matter in surface sediments of a mangrove receiving shrimp farm effluents (New Caledonia). <i>Science of the Total Environment</i> , <b>2015</b> , 512-513, 296-307	10.2	19
41	Particulate organic matter distribution along the lower Amazon River: addressing aquatic ecology concepts using fatty acids. <i>PLoS ONE</i> , <b>2012</b> , 7, e46141	3.7	19
40	Geographic variation in stable isotopic and fatty acid composition of anguilliform leptocephali and particulate organic matter in the South Pacific. <i>Marine Ecology - Progress Series</i> , <b>2016</b> , 544, 225-241	2.6	18
39	Nutritional composition of suspended particulate matter in a tropical mangrove creek during a tidal cycle (Can Gio, Vietnam). <i>Estuarine, Coastal and Shelf Science</i> , <b>2018</b> , 200, 126-130	2.9	17
38	Food resources of the bivalve <i>Astarte elliptica</i> in a sub-Arctic fjord: a multi-biomarker approach. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 567, 139-156	2.6	17
37	Feeding deterrence of <i>Azolla</i> in relation to deoxyanthocyanin and fatty acid composition. <i>Aquatic Botany</i> , <b>2002</b> , 74, 181-187	1.8	15
36	The fate of C4 and C3 macrophyte carbon in central Amazon floodplain waters: Insights from a batch experiment. <i>Limnologica</i> , <b>2016</b> , 59, 90-98	2	14
35	Trophic relationships and basal resource utilisation in the Can Gio Mangrove Biosphere Reserve (Southern Vietnam). <i>Journal of Sea Research</i> , <b>2019</b> , 145, 35-43	1.9	13
34	Meiofauna distribution in a mangrove forest exposed to shrimp farm effluents (New Caledonia). <i>Marine Environmental Research</i> , <b>2016</b> , 119, 100-113	3.3	13
33	Seasonal Pattern of the Biogeochemical Properties of Mangrove Sediments Receiving Shrimp Farm Effluents (New Caledonia). <i>Journal of Aquaculture Research &amp; Development</i> , <b>2014</b> , 05,	1	12
32	Role of grapsid crabs, <i>Parasesarma erythroductyla</i> , in entry of mangrove leaves into an estuarine food web: a mesocosm study. <i>Marine Biology</i> , <b>2009</b> , 156, 2343-2352	2.5	12
31	Dietary tracers in <i>Bathyrca glacialis</i> from contrasting trophic regions in the Canadian Arctic. <i>Marine Ecology - Progress Series</i> , <b>2015</b> , 536, 175-186	2.6	10
30	Surface adhesion of microphytobenthic biofilms is enhanced under <i>Hediste diversicolor</i> (O.F. Müller) trophic pressure. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2012</b> , 438, 52-60	2.1	9
29	Proliferation of purple sulphur bacteria at the sediment surface affects intertidal mat diversity and functionality. <i>PLoS ONE</i> , <b>2013</b> , 8, e82329	3.7	9
28	Croissance de juvéniles de <i>Nereis diversicolor</i> nourris avec des débris d'halophytes. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeenne De Oceanologie</i> , <b>2002</b> , 25, 119-124		9
27	Influence of intertidal recreational fisheries and 'bouchot' mussel culture on bivalve recruitment. <i>Marine Environmental Research</i> , <b>2016</b> , 117, 1-12	3.3	9

26	Trophic cues promote secondary migrations of bivalve recruits in a highly dynamic temperate intertidal system. <i>Ecosphere</i> , <b>2018</b> , 9, e02510	3.1	9
25	Nursery function of coastal temperate benthic habitats: New insight from the bivalve recruitment perspective. <i>Journal of Sea Research</i> , <b>2017</b> , 121, 11-23	1.9	8
24	Short-term changes in the quality of suspended particulate matter in a human impacted and mangrove dominated tropical estuary (Can Gio, Vietnam). <i>Continental Shelf Research</i> , <b>2019</b> , 178, 59-67	2.4	8
23	Export of <sup>13</sup> C-depleted dissolved inorganic carbon from a tidal forest bordering the Amazon estuary. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 129, 23-27	2.9	8
22	Seasonal variations in maternal provisioning of <i>Crepidula fornicata</i> (Gastropoda): fatty acid composition of females, embryos and larvae. <i>PLoS ONE</i> , <b>2013</b> , 8, e75316	3.7	8
21	Fatty acid markers as an indicator for temporal changes in food sources of the bivalve <i>Quidnipagus palatum</i> . <i>Aquatic Ecosystem Health and Management</i> , <b>2009</b> , 12, 390-400	1.4	8
20	Total Lipid and Fatty Acid Classes in Decomposing Mangrove Leaves of <i>Bruguiera gymnorrhiza</i> and <i>Kandelia candel</i> : Significance with respect to Lipid Input. <i>Journal of Oceanography</i> , <b>2005</b> , 61, 613-622	1.9	8
19	Dietary plasticity in the bivalve <i>Astarte moerchi</i> revealed by a multimarker study in two Arctic fjords. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 567, 157-172	2.6	7
18	Spatial and temporal dynamics of nano- and pico-size particulate organic matter (POM) in a coastal megatidal marine system. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 1087-1100	4.8	7
17	Multi-approach analysis to assess diet of harbour porpoises <i>Phocoena phocoena</i> in the southern North Sea. <i>Marine Ecology - Progress Series</i> , <b>2017</b> , 563, 249-259	2.6	6
16	Spatial and seasonal contrasts of sedimentary organic matter in floodplain lakes of the central Amazon basin. <i>Biogeosciences</i> , <b>2016</b> , 13, 467-482	4.6	6
15	Role of biotic interactions on seasonal migrations of the macrozoobenthos living in the upper tidal-flat of the Mont-Saint-Michel bay, France. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , <b>2001</b> , 24, 569-575		5
14	Coastal waters freshening and extreme seasonality affect organic matter sources, quality, and transfers in a High Arctic fjord (Young Sound, Greenland). <i>Marine Ecology - Progress Series</i> , <b>2019</b> , 610, 15-31	2.6	5
13	Fatty acids, C and N dynamics and stable isotope ratios during experimental degradation of shrimp pond effluents in mangrove water. <i>Marine Environmental Research</i> , <b>2019</b> , 150, 104751	3.3	4
12	Functional diversity of microboring <i>Ostreobium</i> algae isolated from corals. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 4825-4846	5.2	4
11	Shells of the bivalve give new evidence of a strong pelagic-benthic coupling shift occurring since the late 1970s in the North Water polynya. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190353	3	4
10	New 2-methyl-13-icosenoic acid from the temperate calcisponge <i>Leuconia johnstoni</i> . <i>Lipids</i> , <b>2012</b> , 47, 345-53	1.6	3
9	Cultured eastern oysters ( <i>Crassostrea virginica</i> ): retention and assimilation of picophytoplankton using a multi-biomarker approach. <i>Aquatic Living Resources</i> , <b>2017</b> , 30, 31	1.5	2

8	Relationship between bacterial compartment and particulate organic matter (POM) in coastal systems: An assessment using fatty acids and stable isotopes. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 239, 106720	2.9	1
7	Fatty acid compositions of four benthic species along the salinity gradient of a human impacted and mangrove dominated tropical estuary (Can Gio, Vietnam). <i>Journal of Sea Research</i> , <b>2020</b> , 166, 101955	1.9	1
6	Chlordecone-contaminated epilithic biofilms show increased adsorption capacities.. <i>Science of the Total Environment</i> , <b>2022</b> , 825, 153942	10.2	1
5	Pull the trigger: interplay between benthic and pelagic cues driving the early recruitment of a natural bivalve assemblage. <i>Ecosphere</i> , <b>2022</b> , 13, e03672	3.1	0
4	Multi-trophic markers illuminate the understanding of the functioning of a remote, low coral cover Marquesan coral reef food web. <i>Scientific Reports</i> , <b>2021</b> , 11, 20950	4.9	0
3	Prokaryotic abundance, cell size and extracellular enzymatic activity in a human impacted and mangrove dominated tropical estuary (Can Gio, Vietnam). <i>Estuarine, Coastal and Shelf Science</i> , <b>2021</b> , 251, 107253	2.9	
2	Sources, quality and transfers of organic matter in a highly-stratified sub-Arctic coastal system (Saint-Pierre-et-Miquelon, NW Atlantic). <i>Progress in Oceanography</i> , <b>2021</b> , 190, 102483	3.8	
1	Links between introduced fish and zooplanktonic and zoobenthic food sources in the food webs of two reservoirs of a semi-arid zone in Algeria. <i>African Journal of Aquatic Science</i> , <b>2021</b> , 46, 33-44	1.6	