Virginia Maria Tavano

List of Publications by Year
in descending order

53	1,805	257450	289244
papers	citations	24 h-index	40 g-index

54	54	54	1848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemotaxonomic characterization of the key genera of diatoms in the Northern Antarctic Peninsula. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20210584.	0.8	3
2	The southwestern South Atlantic continental shelf biogeochemical divide. Biogeochemistry, 2022, 159, 139-158.	3.5	4
3	Large diatom bloom off the Antarctic Peninsula during cool conditions associated with the 2015/2016 El NiÃ±o. Communications Earth & Environment, 2021, 2, .	6.8	15
4	Changes in Phytoplankton Communities Along the Northern Antarctic Peninsula: Causes, Impacts and Research Priorities. Frontiers in Marine Science, 2020, 7, .	2.5	32
5	Dynamics of an intense diatom bloom in the Northern Antarctic Peninsula, February 2016. Limnology and Oceanography, 2020, 65, 2056-2075.	3.1	31
6	Chemotaxonomy-based mapping of phytoplankton communities in the subtropical Southwestern Atlantic Ocean, with emphasis on the marine cyanobacterium Trichodesmium. Progress in Oceanography, 2019, 172, 77-88.	3.2	12
7	The impact of mesoscale eddies on the phytoplankton community in the South Atlantic Ocean: HPLC-CHEMTAX approach. Marine Environmental Research, 2019, 144, 154-165.	2.5	14
8	Carbonate system properties in the Gerlache Strait, Northern Antarctic Peninsula (February 2015): I. Seaâ€“Air CO2 fluxes. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 171-181.	1.4	18
9	New insights on the dominance of cryptophytes in Antarctic coastal waters: A case study in Gerlache Strait. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 161-170.	1.4	67
10	Carbonate system properties in the Gerlache Strait, Northern Antarctic Peninsula (February 2015): II. Anthropogenic CO2 and seawater acidification. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 182-192.	1.4	19
11	Spatial variability of photophysiology and primary production rates of the phytoplankton communities across the western Antarctic Peninsula in late summer 2013. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 99-110.	1.4	17
12	Sea-air CO2 fluxes and pCO2 variability in the Northern Antarctic Peninsula during three summer periods (2008â€“2010). Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 84-98.	1.4	20
13	Impact of sea ice on the structure of phytoplankton communities in the northern Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 149, 111-123.	1.4	29
14	How fast is the Patagonian shelf-break acidifying?. Journal of Marine Systems, 2018, 178, 1-14.	2.1	30
15	Overview on Primary Production in the Southwestern Atlantic. , 2018, , 101-126.		7
16	Phyto- and protozooplankton assemblages and hydrographic variability during an early winter survey in the Southern Brazilian Continental Shelf. Journal of Marine Systems, 2018, 184, 36-49.	2.1	11
17	Contrasting patterns of phytoplankton pigments and chemotaxonomic groups along 30Â°S in the subtropical South Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 120, 112-121.	1.4	27
18	Pigment-based chemotaxonomy of phytoplankton in the Patos Lagoon estuary (Brazil) and adjacent coast. Marine Biology Research, 2017, 13, 22-35.	0.7	18

#	Article	IF	Citations
19	Deep Learning for Microalgae Classification. , 2017, , .		19
20	Sea-air carbon dioxide fluxes along 35Â°S in the South Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 115, 175-187.	1.4	12
21	Supervised Microalgae Classification in Imbalanced Dataset. , 2016, , .		6
22	Seasonal change of phytoplankton (spring vs. summer) in the southern Patagonian shelf. Continental Shelf Research, 2016, 124, 142-152.	1.8	15
23	Trichodesmium latitudinal distribution on the shelf break in the southwestern Atlantic Ocean during spring and autumn. Global Biogeochemical Cycles, 2016, 30, 1738-1753.	4.9	19
24	Net sea-air CO2 fluxes and modelled pCO2 in the southwestern subtropical Atlantic continental shelf during spring 2010 and summer 2011. Continental Shelf Research, 2016, 119, 68-84.	1.8	22
25	Photophysiological effects of Fe concentration gradients on diatom-dominated phytoplankton assemblages in the Antarctic Peninsula region. Journal of Experimental Marine Biology and Ecology, 2015, 466, 49-58.	1.5	9
26	Cross-front phytoplankton pigments and chemotaxonomic groups in the Indian sector of the Southern Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 118, 221-232.	1.4	46
27	Environmental conditions during phytoplankton blooms in the vicinity of James Ross Island, east of the Antarctic Peninsula. Polar Biology, 2015, 38, 1111-1127.	1.2	13
28	Shifts in microphytoplankton species and cell size at Admiralty Bay, Antarctica. Antarctic Science, 2015, 27, 225-239.	0.9	13
29	Influence of oceanographic features on spatial and interannual variability of phytoplankton in the Bransfield Strait, Antarctica. Journal of Marine Systems, 2015, 142, 1-15.	2.1	48
30	Shifts in the dominance between diatoms and cryptophytes during three late summers in the Bransfield Strait (Antarctic Peninsula). Polar Biology, 2013, 36, 537-547.	1.2	121
31	Effects of low-salinity and high-turbidity waters on empirical ocean colour algorithms: An example for Southwestern Atlantic waters. Continental Shelf Research, 2013, 59, 84-96.	1.8	13
32	Microalgae classification using semi-supervised and active learning based on Gaussian mixture models. Journal of the Brazilian Computer Society, 2013, 19, 411-422.	1.3	31
33	Variability in light absorption and scattering of phytoplankton in Patagonian waters: Role of community size structure and pigment composition. Journal of Geophysical Research: Oceans, 2013, 118, 698-714.	2.6	25
34	Phytoplankton community during a coccolithophorid bloom in the Patagonian Shelf: microscopic and high-performance liquid chromatography pigment analyses. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 13-27.	0.8	21
35	Brazil-Malvinas confluence: effects of environmental variability on phytoplankton community structure. Journal of Plankton Research, 2012, 34, 399-415.	1.8	26
36	Dynamics of phytoplankton communities during late summer around the tip of the Antarctic Peninsula. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 65, 1-14.	1.4	91

#	Article	IF	Citations
37	Environmental conditions and bio-optical signature of a coccolithophorid bloom in the Patagonian shelf. Journal of Geophysical Research, 2011, 116, .	3.3	29
38	Spatial distribution of phytoplankton assemblages in the NazarÃ© submarine canyon region (Portugal): HPLC-CHEMTAX approach. Journal of Marine Systems, 2011, 87, 90-101.	2.1	41
39	Potential source regions of biogenic aerosol number concentration apportioning at King George Island, Antarctic Peninsula. Antarctic Science, 2010, 22, 580-588.	0.9	2
40	Inferring episodic atmospheric iron fluxes in the Western South Atlantic. Atmospheric Environment, 2010, 44, 703-712.	4.1	7
41	Light absorption by phytoplankton, non-algal particles and dissolved organic matter at the Patagonia shelf-break in spring and summer. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 2162-2174.	1.4	22
42	Environmental factors controlling the phytoplankton blooms at the Patagonia shelf-break in spring. Deep-Sea Research Part I: Oceanographic Research Papers, 2008, 55, 1150-1166.	1.4	104
43	Variability of chlorophyll-a from ocean color images in the La Plata continental shelf region. Continental Shelf Research, 2008, 28, 1568-1578.	1.8	43
44	Biological, physical and chemical properties at the Subtropical Shelf Front Zone in the SW Atlantic Continental Shelf. Continental Shelf Research, 2008, 28, 1662-1673.	1.8	54
45	Empirical and semiâ€analytical chlorophyll algorithms in the southâ€western Atlantic coastal region (25â€“40Â°S and 60â€“45Â°W). International Journal of Remote Sensing, 2006, 27, 1539-1562.	2.9	37
46	Seasonal and interannual variability of calcite in the vicinity of the Patagonian shelf break (38Â°Sâ€“52Â°S). Geophysical Research Letters, 2006, 33, .	4.0	46
47	Probable origin and toxin profile of Alexandrium tamarense (Lebour) Balech from southern Brazil. Harmful Algae, 2006, 5, 36-44.	4.8	55
48	Evaluation of SeaWiFS chlorophyll algorithms in the Southwestern Atlantic and Southern Oceans. Remote Sensing of Environment, 2005, 95, 125-137.	11.0	116
49	Growth and biochemical composition of the diatom Chaetoceros cf. wighamii brightwell under different temperature, salinity and carbon dioxide levels. I. Protein, carbohydrates and lipids. Aquaculture, 2005, 246, 405-412.	3.5	159
50	Biogeographical regions of the tropical and subtropical Atlantic Ocean off South America: classification based on pigment (CZCS) and chlorophyll-a (SeaWiFS) variability. Continental Shelf Research, 2004, 24, 983-1000.	1.8	48
51	Chlorophyll variability and eddies in the Brazilâ€“Malvinas Confluence region. Deep-Sea Research Part II: Topical Studies in Oceanography, 2004, 51, 159-172.	1.4	66
52	Primary production studies during a Gyrodinium cf. aureolum (Dinophyceae) bloom in the western English Channel. Marine Biology, 1994, 119, 297-305.	1.5	15
53	The influence of irradiance on growth, photosynthesis and respiration of Gyrodinium cf. aureolum. Journal of Plankton Research, 1992, 14, 1251-1265.	1.8	27