

Michele Giani

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.

75
papers

1,957
citations

25
h-index

42
g-index

83
ext. papers

2,247
ext. citations

4.4
avg, IF

4.65
L-index

#	Paper	IF	Citations
75	Recent changes in the marine ecosystems of the northern Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 115, 1-13	2.9	152
74	River water and nutrient discharges in the Northern Adriatic Sea: Current importance and long term changes. <i>Continental Shelf Research</i> , 2011 , 31, 1881-1893	2.4	142
73	Flow Regime and Nutrient-Loading Trends from the Largest South European Watersheds: Implications for the Productivity of Mediterranean and Black Sea Coastal Areas. <i>Water (Switzerland)</i> , 2019 , 11, 1	3	105
72	Methylmercury determination in marine sediment and organisms by Direct Mercury Analyser. <i>Analytica Chimica Acta</i> , 2009 , 641, 32-6	6.6	86
71	Organotins (TBT and DBT) in water, sediments, and gastropods of the southern Venice lagoon (Italy). <i>Marine Pollution Bulletin</i> , 2007 , 55, 425-35	6.7	84
70	Mucilaginous aggregates in the northern Adriatic in the period 1999-2002: typology and distribution. <i>Science of the Total Environment</i> , 2005 , 353, 10-23	10.2	81
69	Mercury in the sediments of the Marano and Grado Lagoon (northern Adriatic Sea): Sources, distribution and speciation. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 20-31	2.9	62
68	Recent evolution of river discharges in the Gulf of Trieste and their potential response to climate changes and anthropogenic pressure. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 115, 14-24	2.9	60
67	An individual-based population dynamic model for estimating biomass yield and nutrient fluxes through an off-shore mussel (<i>Mytilus galloprovincialis</i>) farm. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 82, 365-376	2.9	60
66	Heavy metals in mussels and fish from Italian coastal waters. <i>Marine Pollution Bulletin</i> , 1991 , 22, 10-14	6.7	60
65	Temporal dynamics of dissolved and particulate organic carbon in the northern Adriatic Sea in relation to the mucilage events. <i>Science of the Total Environment</i> , 2005 , 353, 126-38	10.2	47
64	Mechanisms of hypoxia frequency changes in the northern Adriatic Sea during the period 1972-2012. <i>Journal of Marine Systems</i> , 2015 , 141, 179-189	2.7	45
63	Comparative biogeochemistry-ecosystem-human interactions on dynamic continental margins. <i>Journal of Marine Systems</i> , 2015 , 141, 3-17	2.7	36
62	Downward fluxes of particulate carbon, nitrogen and phosphorus in the north-western Adriatic sea. <i>Science of the Total Environment</i> , 2001 , 266, 125-34	10.2	36
61	A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. <i>Marine Pollution Bulletin</i> , 2015 , 95, 28-39	6.7	35
60	Chemical characterization of different typologies of mucilaginous aggregates in the Northern Adriatic Sea. <i>Science of the Total Environment</i> , 2005 , 353, 232-46	10.2	35
59	Exo-enzymatic activities and dissolved organic pools in relation with mucilage development in the Northern Adriatic Sea. <i>Science of the Total Environment</i> , 2005 , 353, 189-203	10.2	35

58	Mercury in sediments and <i>Nassarius reticulatus</i> (Gastropoda Prosobranchia) in the southern Venice Lagoon. <i>Science of the Total Environment</i> , 2006 , 368, 298-305	10.2	33
57	Mucilage microcosms. <i>Science of the Total Environment</i> , 2005 , 353, 258-69	10.2	33
56	Concentration and partitioning of Hg, Cr and Pb in sediments of dredge and disposal sites of the northern Adriatic Sea. <i>Science of the Total Environment</i> , 1994 , 158, 97-112	10.2	32
55	Origin of sedimentary organic matter in the north-western Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 84, 573-583	2.9	30
54	Biochemical and microbial features of shallow marine sediments along the Terra Nova Bay (Ross Sea, Antarctica). <i>Continental Shelf Research</i> , 2010 , 30, 1614-1625	2.4	29
53	Source, diagenesis, and fluxes of particulate organic carbon along the western Adriatic Sea (Mediterranean Sea). <i>Marine Geology</i> , 2013 , 337, 156-170	3.3	27
52	Hypoxia and dissolved oxygen trends in the northeastern Adriatic Sea (Gulf of Trieste). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019 , 164, 74-88	2.3	25
51	Coping with seawater acidification and the emerging contaminant diclofenac at the larval stage: A tale from the clam <i>Ruditapes philippinarum</i> . <i>Chemosphere</i> , 2016 , 160, 293-302	8.4	25
50	Effects of intense physical and biological forcing factors on CNP pools in coastal waters (Gulf of Trieste, Northern Adriatic Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 115, 40-50	2.9	25
49	Bioaccumulation of mercury in reared and wild <i>Ruditapes philippinarum</i> of a Mediterranean lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 116-125	2.9	24
48	Winter to spring variations of chromophoric dissolved organic matter in a temperate estuary (Po River, northern Adriatic Sea). <i>Marine Environmental Research</i> , 2010 , 70, 73-81	3.3	24
47	Mercury in lagoons: An overview of the importance of the link between geochemistry and biology. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 113, 126-132	2.9	22
46	Seasonal and Interannual Trends of Oceanographic Parameters over 40 Years in the Northern Adriatic Sea in Relation to Nutrient Loadings Using the EMODnet Chemistry Data Portal. <i>Water (Switzerland)</i> , 2020 , 12, 2280	3	22
45	Benthic mucilaginous aggregates in the Mediterranean Sea: Origin, chemical composition and polysaccharide characterization. <i>Marine Chemistry</i> , 2008 , 111, 184-198	3.7	21
44	Influence of winds and oceanographic conditions on the mucilage aggregation in the Northern Adriatic Sea in 2003-2006. <i>Marine Ecology</i> , 2008 , 29, 469-482	1.4	19
43	Limited impact of ocean acidification on phytoplankton community structure and carbon export in an oligotrophic environment: Results from two short-term mesocosm studies in the Mediterranean Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017 , 186, 72-88	2.9	17
42	Temporal variability of particulate organic carbon, nitrogen and phosphorus in the Northern Adriatic Sea. <i>Hydrobiologia</i> , 2003 , 494, 319-325	2.4	17
41	Particulate organic matter in the Northern and Central Adriatic. <i>Chemistry and Ecology</i> , 2002 , 18, 27-38	2.3	17

40	Carbonate chemistry dynamics and biological processes along a river-sea gradient (Gulf of Trieste, northern Adriatic Sea). <i>Journal of Marine Systems</i> , 2016 , 155, 35-49	2.7	16
39	Humic acids contribution to sedimentary organic matter on a shallow continental shelf (northern Adriatic Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2010 , 90, 103-110	2.9	16
38	Spectroscopic evidence of the marine origin of mucilages in the Northern Adriatic Sea. <i>Science of the Total Environment</i> , 2005 , 353, 247-57	10.2	16
37	Phytoplankton temporal dynamics in the coastal waters of the north-eastern Adriatic Sea (Mediterranean Sea) from 2010 to 2017. <i>Nature Conservation</i> , 34 , 343-372		16
36	Impact of mussel farming on sedimentary geochemical properties of a Northern Adriatic area influenced by freshwater inflows. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 129, 49-58	2.9	15
35	Phytoplankton-bacterioplankton interactions and carbon fluxes through microbial communities in a microtidal lagoon. <i>FEMS Microbiology Ecology</i> , 2010 , 72, 153-64	4.3	15
34	A numerical simulation study of dissolved organic carbon accumulation in the northern Adriatic Sea. <i>Journal of Geophysical Research</i> , 2007 , 112,		15
33	Role of sedimentary environment in the development of hypoxia and anoxia in the NW Adriatic shelf (Italy). <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 128, 9-21	2.9	14
32	Contamination of natural and cultured mussels (<i>Mytilus galloprovincialis</i>) from the northern Adriatic Sea by tributyltin and dibutyltin compounds. <i>Applied Organometallic Chemistry</i> , 2004 , 18, 614-618	3.1	14
31	Chemical and biological properties of a phenol-water extract from <i>Leptospira interrogans</i> . Evidence for the absence of lipopolysaccharide. <i>Infection</i> , 1988 , 16, 238-41	5.8	14
30	Drivers of the carbonate system seasonal variations in a Mediterranean gulf. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 168, 58-70	2.9	13
29	Polychlorinated biphenyls in clams <i>Tapes philippinarum</i> cultured in the Venice Lagoon (Italy): contamination levels and dietary exposure assessment. <i>Food and Chemical Toxicology</i> , 2007 , 45, 1065-75	4.7	12
28	The organic matrix of pelagic mucilaginous aggregates in the Tyrrhenian Sea (Mediterranean Sea). <i>Marine Chemistry</i> , 2012 , 132-133, 83-94	3.7	10
27	Polycyclic Aromatic Hydrocarbons (PAHs) from Diffuse Sources in Coastal Sediments of a Not Industrialised Mediterranean Island. <i>Water, Air, and Soil Pollution</i> , 2009 , 200, 199-209	2.6	10
26	Effect of sunlight on prokaryotic organic carbon uptake and dynamics of pigments relevant to photoheterotrophy in the Adriatic Sea. <i>Aquatic Microbial Ecology</i> , 2015 , 74, 235-249	1.1	9
25	Coccolithophore diversity in open waters of the middle Adriatic Sea in pre- and post-winter periods. <i>Marine Micropaleontology</i> , 2018 , 143, 30-45	1.7	9
24	Picoplankton Distribution and Activity in the Deep Waters of the Southern Adriatic Sea. <i>Water (Switzerland)</i> , 2019 , 11, 1655	3	8
23	The carbon budget in the northern Adriatic Sea, a winter case study. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1399-1417	3.7	8

22	Tin free antifouling paints as potential contamination source of metals in sediments and gastropods of the southern Venice lagoon. <i>Continental Shelf Research</i> , 2012 , 45, 34-41	2.4	8
21	Relationships between organic carbon and microbial components in a Tyrrhenian area (Isola del Giglio) affected by mucilages. <i>Science of the Total Environment</i> , 2005 , 353, 350-9	10.2	7
20	Climatic and Anthropogenic Impacts on Environmental Conditions and Phytoplankton Community in the Gulf of Trieste (Northern Adriatic Sea). <i>Water (Switzerland)</i> , 2020 , 12, 2652	3	7
19	Anthropogenic CO ₂ in a dense water formation area of the Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017 , 123, 118-128	2.5	6
18	Uptake-release dynamics of the inorganic and organic carbon pool mediated by planktonic prokaryotes in the deep Mediterranean Sea. <i>Environmental Microbiology</i> , 2017 , 19, 1163-1175	5.2	6
17	Geochemical signatures of intense episodic anaerobic oxidation of methane in near-surface sediments of a recently discovered cold seep (Kveithola trough, NW Barents Sea). <i>Marine Geology</i> , 2020 , 425, 106189	3.3	6
16	Constraining the Oceanic Uptake and Fluxes of Greenhouse Gases by Building an Ocean Network of Certified Stations: The Ocean Component of the Integrated Carbon Observation System, ICOS-Oceans. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	6
15	Temporal and Spatial Variability of the CO ₂ System in a Riverine Influenced Area of the Mediterranean Sea, the Northern Adriatic. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	6
14	Links between microbial processing of organic matter and the thermohaline and productivity features of a temperate river-influenced Mediterranean coastal area. <i>Estuarine, Coastal and Shelf Science</i> , 2019 , 228, 106378	2.9	5
13	Organic aggregates formed by benthopleustophyte brown alga <i>Acinetospora crinita</i> (Acinetosporaceae, Ectocarpales). <i>Journal of Phycology</i> , 2016 , 52, 550-63	3	3
12	Challenges in Harmonized Assessment of Heavy Metals in the Adriatic and Ionian Seas. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	3
11	Eutrophication, Harmful Algae, Oxygen Depletion, and Acidification. <i>Geophysical Monograph Series</i> , 2020 , 75-104	1.1	2
10	Long-term patterns and drivers of microbial organic matter utilization in the northernmost basin of the Mediterranean Sea. <i>Marine Environmental Research</i> , 2021 , 164, 105245	3.3	2
9	Challenges in Harmonized Environmental Impact Assessment (EIA), Monitoring and Decommissioning Procedures of Offshore Platforms in Adriatic-Ionian (ADRION) Region. <i>Water (Switzerland)</i> , 2020 , 12, 2460	3	1
8	Reply to a comment by M. Mecozzi on Spectroscopic evidence of the marine origin of mucilages in the Northern Adriatic Sea Science of the Total Environment, 2007 , 381, 328-330	10.2	1
7	Applications of Flow Cytometry to Marine Biology. <i>Giornale Botanico Italiano (Florence, Italy: 1962)</i> , 1992 , 126, 746-748		1
6	Fluxes of particulate matter, carbonates, organic carbon and nitrogen in the northern Adriatic continental shelf: A synthesis overview. <i>Advances in Oceanography and Limnology</i> , 2018 , 9,	1.3	1
5	Advances in Our Understanding of Pelagic-Benthic Coupling. <i>Geophysical Monograph Series</i> , 2020 , 147-175.1		0

4	Recent Status and Long-Term Trends in Freshwater Discharge and Nutrient Inputs. <i>Geophysical Monograph Series</i> , 2020 , 7-19	1.1	0
3	Stable Carbon Isotopes of Phytoplankton as a Tool to Monitor Anthropogenic CO ₂ Submarine Leakages. <i>Water (Switzerland)</i> , 2020 , 12, 3573	3	
2	Surveillance of Potentially Toxic Benthic Microalgae Along the Italian Coast. <i>Journal of Coastal Research</i> , 2011 , 61, 353-358	0.6	
1	Flow Cytometry studies of marine phytoplankton populations. <i>Giornale Botanico Italiano (Florence, Italy: 1962)</i> , 1993 , 127, 1115-1121		