

Michele Giani

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,486
citations

186209

28
h-index

223716

46
g-index

83
all docs

83
docs citations

83
times ranked

2858
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recent changes in the marine ecosystems of the northern Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 115, 1-13. | 0.9 | 189 |
| 2 | 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. | 0.9 | 171 |
| 3 | Flow Regime and Nutrient-Loading Trends from the Largest South European Watersheds: Implications for the Productivity of Mediterranean and Black Sea's Coastal Areas. <i>Water (Switzerland)</i> , 2019, 11, 1. | 1.2 | 130 |
| 4 | 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. | 3.9 | 104 |
| 5 | Methylmercury determination in marine sediment and organisms by Direct Mercury Analyser. <i>Analytica Chimica Acta</i> , 2009, 641, 32-36. | 2.6 | 102 |
| 6 | Organotins (TBT and DBT) in water, sediments, and gastropods of the southern Venice lagoon (Italy). <i>Marine Pollution Bulletin</i> , 2007, 55, 425-435. | 2.3 | 93 |
| 7 | 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. | 0.9 | 77 |
| 8 | 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. | 0.9 | 75 |
| 9 | 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. | 0.9 | 73 |
| 10 | Heavy metals in mussels and fish from Italian coastal waters. <i>Marine Pollution Bulletin</i> , 1991, 22, 10-14. | 2.3 | 65 |
| 11 | 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, 126-138. | 3.9 | 57 |
| 12 | 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. | 0.9 | 54 |
| 13 | 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. | 1.2 | 53 |
| 14 | Chemical characterization of different typologies of mucilaginous aggregates in the Northern Adriatic Sea. <i>Science of the Total Environment</i> , 2005, 353, 232-246. | 3.9 | 51 |
| 15 | Comparative biogeochemistry-ecosystem-human interactions on dynamic continental margins. <i>Journal of Marine Systems</i> , 2015, 141, 3-17. | 0.9 | 49 |
| 16 | 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. | 3.9 | 44 |
| 17 | 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. | 0.6 | 44 |
| 18 | Mucilage microcosms. <i>Science of the Total Environment</i> , 2005, 353, 258-269. | 3.9 | 42 |

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|----|---|-----|-----------|
| 19 | 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. | 2.3 | 41 |
| 20 | Downward fluxes of particulate carbon, nitrogen and phosphorus in the north-western Adriatic Sea. <i>Science of the Total Environment</i> , 2001, 266, 125-134. | 3.9 | 40 |
| 21 | 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. | 3.9 | 37 |
| 22 | Origin of sedimentary organic matter in the north-western Adriatic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 84, 573-583. | 0.9 | 36 |
| 23 | Mucilages in the Adriatic and Tyrrhenian Sea: An introduction. <i>Science of the Total Environment</i> , 2005, 353, 3-9. | 3.9 | 35 |
| 24 | 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. | 3.9 | 35 |
| 25 | Biochemical and microbial features of shallow marine sediments along the Terra Nova Bay (Ross Sea). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> | 0.9 | 35 |
| 26 | Effects of intense physical and biological forcing factors on CNP pools in coastal waters (Gulf of). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i> | 0.9 | 32 |
| 27 | 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. | 4.2 | 31 |
| 28 | Phytoplankton temporal dynamics in the coastal waters of the north-eastern Adriatic Sea (Mediterranean Sea) from 2010 to 2017. <i>Nature Conservation</i> , 0, 34, 343-372. | 0.0 | 31 |
| 29 | Source, diagenesis, and fluxes of particulate organic carbon along the western Adriatic Sea (Mediterranean Sea). <i>Marine Geology</i> , 2013, 337, 156-170. | 0.9 | 29 |
| 30 | Winter to spring variations of chromophoric dissolved organic matter in a temperate estuary (Po). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i> | 1.1 | 27 |
| 31 | 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. | 0.9 | 27 |
| 32 | 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. | 0.9 | 27 |
| 33 | Benthic mucilaginous aggregates in the Mediterranean Sea: Origin, chemical composition and polysaccharide characterization. <i>Marine Chemistry</i> , 2008, 111, 184-198. | 0.9 | 23 |
| 34 | 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. | 0.4 | 22 |
| 35 | 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. | 0.9 | 20 |
| 36 | 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. | 1.2 | 20 |

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| 37 | Spectroscopic evidence of the marine origin of mucilages in the Northern Adriatic Sea. <i>Science of the Total Environment</i> , 2005, 353, 247-257. | 3.9 | 19 |
| 38 | Humic acids contribution to sedimentary organic matter on a shallow continental shelf (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.9 | 19 |
| 39 | Carbonate chemistry dynamics and biological processes along a riverâ€“sea gradient (Gulf of Trieste,) Tj ETQq1 1 0.784314 rgBT /Ove | 0.9 | 19 |
| 40 | Chemical and biological properties of a phenol-water extract from leptospira interrogans. Evidence for the absence of lipopolysaccharide. <i>Infection</i> , 1988, 16, 238-241. | 2.3 | 18 |
| 41 | Temporal variability of particulate organic carbon, nitrogen and phosphorus in the Northern Adriatic Sea. <i>Hydrobiologia</i> , 2003, 494, 319-325. | 1.0 | 18 |
| 42 | 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. | 0.9 | 18 |
| 43 | Drivers of the carbonate system seasonal variations in a Mediterranean gulf. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 168, 58-70. | 0.9 | 18 |
| 44 | Picoplankton Distribution and Activity in the Deep Waters of the Southern Adriatic Sea. <i>Water (Switzerland)</i> , 2019, 11, 1655. | 1.2 | 18 |
| 45 | Particulate organic matter in the Northern and Central Adriatic. <i>Chemistry and Ecology</i> , 2002, 18, 27-38. | 0.6 | 17 |
| 46 | A numerical simulation study of dissolved organic carbon accumulation in the northern Adriatic Sea. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 17 |
| 47 | Phytoplankton-bacterioplankton interactions and carbon fluxes through microbial communities in a microtidal lagoon. <i>FEMS Microbiology Ecology</i> , 2010, 72, 153-164. | 1.3 | 16 |
| 48 | 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. | 1.7 | 15 |
| 49 | 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. | 0.9 | 15 |
| 50 | Coccolithophore diversity in open waters of the middle Adriatic Sea in pre- and post-winter periods. <i>Marine Micropaleontology</i> , 2018, 143, 30-45. | 0.5 | 15 |
| 51 | 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. | 1.1 | 14 |
| 52 | The organic matrix of pelagic mucilaginous aggregates in the Tyrrhenian Sea (Mediterranean Sea). <i>Marine Chemistry</i> , 2012, 132-133, 83-94. | 0.9 | 14 |
| 53 | Temporal and Spatial Variability of the CO2 System in a Riverine Influenced Area of the Mediterranean Sea, the Northern Adriatic. <i>Frontiers in Marine Science</i> , 2020, 7, . | 1.2 | 14 |
| 54 | 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, 1065-1075. | 1.8 | 13 |

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|----|--|-----|-----------|
| 55 | 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. | 1.8 | 13 |
| 56 | 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, . | 1.2 | 13 |
| 57 | The carbon budget in the northern Adriatic Sea, a winter case study. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2014, 119, 1399-1417. | 1.3 | 12 |
| 58 | 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. | 0.6 | 11 |
| 59 | Challenges in Harmonized Assessment of Heavy Metals in the Adriatic and Ionian Seas. <i>Frontiers in Marine Science</i> , 2020, 7, . | 1.2 | 11 |
| 60 | 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. | 0.9 | 11 |
| 61 | 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. | 0.9 | 10 |
| 62 | 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. | 0.9 | 9 |
| 63 | Relationships between organic carbon and microbial components in a Tyrrhenian area (Isola del Tj ETQq1 1 0.784314 rgBT /Qverlock | 3.9 | 8 |
| 64 | 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. | 0.9 | 7 |
| 65 | 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. | 1.1 | 7 |
| 66 | Organic aggregates formed by benthopleustophyte brown alga <i>Acinetospora crinita</i> (Acinetosporaceae, Ectocarpales). <i>Journal of Phycology</i> , 2016, 52, 550-563. | 1.0 | 4 |
| 67 | 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. | 1.2 | 2 |
| 68 | Benthic and Pelagic Contributions to Primary Production: Experimental Insights From the Gulf of Trieste (Northern Adriatic Sea). <i>Frontiers in Marine Science</i> , 0, 9, . | 1.2 | 2 |
| 69 | Applications of Flow Cytometry to Marine Biology. <i>Giornale Botanico Italiano (Florence, Italy: 1962)</i> , 1992, 126, 746-748. | 0.0 | 1 |
| 70 | Reply to a comment by M. Mecozzi on "Spectroscopic evidence of the marine origin of mucilages in the Northern Adriatic Sea". <i>Science of the Total Environment</i> , 2007, 381, 328-330. | 3.9 | 1 |
| 71 | 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, . | 0.2 | 1 |
| 72 | Flow Cytometry studies of marine phytoplankton populations. <i>Giornale Botanico Italiano (Florence,)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 8.0 | 10 |

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|----|---|-----|-----------|
| 73 | Surveillance of Potentially Toxic Benthic Microalgae Along the Italian Coast. Journal of Coastal Research, 2011, 61, 353-358. | 0.1 | 0 |
| 74 | Stable Carbon Isotopes of Phytoplankton as a Tool to Monitor Anthropogenic CO2 Submarine Leakages. Water (Switzerland), 2020, 12, 3573. | 1.2 | 0 |