# Cinzia Corinaldesi

List of Publications by Year
in descending order



| 120 | 7,542 | 57758 | 58581 |
|---|---|---|---|
| papers | citations | 44 h-index | 82 g-index |

| 124 | 124 | 124 | 9006 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Organic enrichment can increase the impact of microplastics on meiofaunal assemblages in tropical beach systems. Environmental Pollution, 2022, 292, 118415. | 7.5 | 14 |
| 2 | Environmental DNA metabarcoding for benthic monitoring: A review of sediment sampling and DNA extraction methods. Science of the Total Environment, 2022, 818, 151783. | 8.0 | 62 |
| 3 | Local Environmental Conditions Promote High Turnover Diversity of Benthic Deep-Sea Fungi in the Ross Sea (Antarctica). Journal of Fungi (Basel, Switzerland), 2022, 8, 65. | 3.5 | 3 |
| 4 | The Paradox of an Unpolluted Coastal Site Facing a Chronically Contaminated Industrial Area. Frontiers in Marine Science, 2022, 8, . | 2.5 | 6 |
| 5 | Changes in coral forest microbiomes predict the impact of marine heatwaves on habitat-forming species down to mesophotic depths. Science of the Total Environment, 2022, 823, 153701. | 8.0 | 13 |
| 6 | Effects of Local Acidification on Benthic Communities at Shallow Hydrothermal Vents of the Aeolian Islands (Southern Tyrrhenian, Mediterranean Sea). Biology, 2022, 11, 321. | 2.8 | 5 |
| 7 | Feasibility of the Sabellarid Reef Habitat Restoration. Frontiers in Marine Science, 2022, 9, . | 2.5 | 3 |
| 8 | Impact of resuspended mine tailings on benthic biodiversity and ecosystem processes: The case study of PortmÃ¡n Bay, Western Mediterranean Sea, Spain. Environmental Pollution, 2022, 301, 119021. | 7.5 | 3 |
| 9 | Impact of hypersaline brines on benthic meio- and macrofaunal assemblages: A comparison from two desalination plants of the Mediterranean Sea. Desalination, 2022, 532, 115756. | 8.2 | 5 |
| 10 | Reply to: Ecological variables for deep-ocean monitoring must include microbiota and meiofauna for effective conservation. Nature Ecology and Evolution, 2021, 5, 30-31. | 7.8 | 5 |
| 11 | Restoration of Cymodocea nodosa seagrass meadows: efficiency and ecological implications. Restoration Ecology, 2021, 29, e13313. | 2.9 | 17 |
| 12 | Highly Contaminated Marine Sediments Can Host Rare Bacterial Taxa Potentially Useful for Bioremediation. Frontiers in Microbiology, 2021, 12, 584850. | 3.5 | 33 |
| 13 | Multiple impacts of microplastics can threaten marine habitat-forming species. Communications Biology, 2021, 4, 431. | 4.4 | 69 |
| 14 | Ocean Acidification Induces Changes in Virusâ€“Host Relationships in Mediterranean Benthic Ecosystems. Microorganisms, 2021, 9, 769. | 3.6 | 10 |
| 15 | Diversity, Ecological Role and Biotechnological Potential of Antarctic Marine Fungi. Journal of Fungi (Basel, Switzerland), 2021, 7, 391. | 3.5 | 20 |
| 16 | Abyssal fauna, benthic microbes, and organic matter quality across a range of trophic conditions in the western Pacific ocean. Progress in Oceanography, 2021, 195, 102591. | 3.2 | 10 |
| 17 | In situ experimental evidences for responses of abyssal benthic biota to shifts in phytodetritus compositions linked to global climate change. Global Change Biology, 2021, 27, 6139-6155. | 9.5 | 7 |
| 18 | Early-stage anomalies in the sea urchin (Paracentrotus lividus) as bioindicators of multiple stressors in the marine environment: Overview and future perspectives. Environmental Pollution, 2021, 287, 117608. | 7.5 | 19 |

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|---|---|---|---|
| 19 | Microbial community and geochemical analyses of trans-trench sediments for understanding the roles of hadal environments. ISME Journal, 2020, 14, 740-756. | 9.8 | 99 |
| 20 | Towards a marine strategy for the deep Mediterranean Sea: Analysis of current ecological status. Marine Policy, 2020, 112, 103781. | 3.2 | 46 |
| 21 | Metazoan life in anoxic marine sediments. , 2020, , 89-100. | | 0 |
| 22 | Assessing the efficiency and eco-sustainability of bioremediation strategies for the reclamation of highly contaminated marine sediments. Marine Environmental Research, 2020, 162, 105101. | 2.5 | 11 |
| 23 | Multiple declines and recoveries of Adriatic seagrass meadows over forty years of investigation. Marine Pollution Bulletin, 2020, 161, 111804. | 5.0 | 5 |
| 24 | Impact of historical sulfide mine tailings discharge on meiofaunal assemblages (PortmÃ¡n Bay,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 | 8.0 | 16 |
| 25 | Chemical contamination can promote turnover diversity of benthic prokaryotic assemblages: The case study of the Bagnoli-Coroglio bay (southern Tyrrhenian Sea). Marine Environmental Research, 2020, 160, 105040. | 2.5 | 31 |
| 26 | Microplastic accumulation in benthic invertebrates in Terra Nova Bay (Ross Sea, Antarctica). Environment International, 2020, 137, 105587. | 10.0 | 140 |
| 27 | A high biodiversity mitigates the impact of ocean acidification on hard-bottom ecosystems. Scientific Reports, 2020, 10, 2948. | 3.3 | 21 |
| 28 | Impact of historical contamination on meiofaunal assemblages: The case study of the Bagnoli-Coroglio Bay (southern Tyrrhenian Sea). Marine Environmental Research, 2020, 156, 104907. | 2.5 | 31 |
| 29 | Ecological variables for developing a global deep-ocean monitoring and conservation strategy. Nature Ecology and Evolution, 2020, 4, 181-192. | 7.8 | 142 |
| 30 | Deep Hypersaline Anoxic Basins as Untapped Reservoir of Polyextremophilic Prokaryotes of Biotechnological Interest. Marine Drugs, 2020, 18, 91. | 4.6 | 11 |
| 31 | Marine Biology. Biodiversity and Functioning of Marine Ecosystems: Scientific Advancements and New Perspectives for Preserving Marine Life. , 2020, , 447-462. | | 1 |
| 32 | Anthropogenic noise and biological sounds in a heavily industrialized coastal area (Gulf of Naples,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.5 | 20 |
| 33 | The deep sea: The new frontier for ecological restoration. Marine Policy, 2019, 108, 103642. | 3.2 | 48 |
| 34 | Marine Fungi: Biotechnological Perspectives from Deep-Hypersaline Anoxic Basins. Diversity, 2019, 11, 113. | 1.7 | 24 |
| 35 | Drivers of Bacterial Î±- and Î²-Diversity Patterns and Functioning in Subsurface Hadal Sediments. Frontiers in Microbiology, 2019, 10, 2609. | 3.5 | 14 |
| 36 | Viral Infections Boost Prokaryotic Biomass Production and Organic C Cycling in Hadal Trench Sediments. Frontiers in Microbiology, 2019, 10, 1952. | 3.5 | 18 |

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|---|---|---|---|
| 37 | High diversity of benthic bacterial and archaeal assemblages in deep-Mediterranean canyons and adjacent slopes. Progress in Oceanography, 2019, 171, 154-161. | 3.2 | 14 |
| 38 | High rates of viral lysis stimulate prokaryotic turnover and C recycling in bathypelagic waters of a Ligurian canyon (Mediterranean Sea). Progress in Oceanography, 2019, 171, 70-75. | 3.2 | 6 |
| 39 | Extracellular DNA as a genetic recorder of microbial diversity in benthic deep-sea ecosystems. Scientific Reports, 2018, 8, 1839. | 3.3 | 41 |
| 40 | Limited impact of beach nourishment on macrofaunal recruitment/settlement in a site of community interest in coastal area of the Adriatic Sea (Mediterranean Sea). Marine Pollution Bulletin, 2018, 128, 259-266. | 5.0 | 10 |
| 41 | GLOSSary: the GLobal Ocean 16S subunit web accessible resource. BMC Bioinformatics, 2018, 19, 443. | 2.6 | 4 |
| 42 | Planktonic prokaryote and protist communities in a submarine canyon system in the Ligurian Sea (NW) Tj ETQq0 0 0 rgBT /Overlock 10 | 3.2 | 19 |
| 43 | Benthic deep-sea fungi in submarine canyons of the Mediterranean Sea. Progress in Oceanography, 2018, 168, 57-64. | 3.2 | 39 |
| 44 | Rapid response of benthic deep-sea microbes (viruses and prokaryotes) to an intense dense shelf water cascading event in a submarine canyon of the NW Mediterranean Sea. Progress in Oceanography, 2018, 168, 35-42. | 3.2 | 2 |
| 45 | Impact of inorganic UV filters contained in sunscreen products on tropical stony corals (Acropora) Tj ETQq1 1 0.784314 rgBT /Overlock | 8.0 | 104 |
| 46 | A submarine volcanic eruption leads to a novel microbial habitat. Nature Ecology and Evolution, 2017, 1, 144. | 7.8 | 42 |
| 47 | The deep-sea under global change. Current Biology, 2017, 27, R461-R465. | 3.9 | 150 |
| 48 | Sunscreen products impair the early developmental stages of the sea urchin Paracentrotus lividus. Scientific Reports, 2017, 7, 7815. | 3.3 | 47 |
| 49 | Potential impact of global climate change on benthic deep-sea microbes. FEMS Microbiology Letters, 2017, 364, . | 1.8 | 49 |
| 50 | Transfer of labile organic matter and microbes from the ocean surface to the marine aerosol: an experimental approach. Scientific Reports, 2017, 7, 11475. | 3.3 | 75 |
| 51 | From virus isolation to metagenome generation for investigating viral diversity in deep-sea sediments. Scientific Reports, 2017, 7, 8355. | 3.3 | 20 |
| 52 | Functional response to food limitation can reduce the impact of global change in the deepâ€sea benthos. Global Ecology and Biogeography, 2017, 26, 1008-1021. | 5.8 | 40 |
| 53 | High potential for temperate viruses to drive carbon cycling in chemoautotrophyâ€dominated shallowâ€water hydrothermal vents. Environmental Microbiology, 2017, 19, 4432-4446. | 3.8 | 24 |
| 54 | Microplastics in the sediments of Terra Nova Bay (Ross Sea, Antarctica). Marine Pollution Bulletin, 2017, 122, 161-165. | 5.0 | 210 |

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|---|---|---|---|
| 55 | A bacterial community-based index to assess the ecological status of estuarine and coastal environments. Marine Pollution Bulletin, 2017, 114, 679-688. | 5.0 | 120 |
| 56 | Marine archaea and archaeal viruses under global change. F1000Research, 2017, 6, 1241. | 1.6 | 14 |
| 57 | Marine Microbial-Derived Molecules and Their Potential Use in Cosmeceutical and Cosmetic Products. Marine Drugs, 2017, 15, 118. | 4.6 | 114 |
| 58 | Carotenoids from Marine Organisms: Biological Functions and Industrial Applications. Antioxidants, 2017, 6, 96. | 5.1 | 250 |
| 59 | Implementing and Innovating Marine Monitoring Approaches for Assessing Marine Environmental Status. Frontiers in Marine Science, 2016, 3, . | 2.5 | 163 |
| 60 | Quantification of Viral and Prokaryotic Production Rates in Benthic Ecosystems: A Methods Comparison. Frontiers in Microbiology, 2016, 7, 1501. | 3.5 | 15 |
| 61 | The challenge of proving the existence of metazoan life in permanently anoxic deep-sea sediments. BMC Biology, 2016, 14, 43. | 3.8 | 43 |
| 62 | Enhanced viral activity and dark CO<sub>2</sub> fixation rates under oxygen depletion: the case study of the marine Lake Rogoznica. Environmental Microbiology, 2016, 18, 4511-4522. | 3.8 | 19 |
| 63 | Virus-mediated archaeal hecatomb in the deep seafloor. Science Advances, 2016, 2, e1600492. | 10.3 | 107 |
| 64 | Macroecological drivers of archaea and bacteria in benthic deep-sea ecosystems. Science Advances, 2016, 2, e1500961. | 10.3 | 52 |
| 65 | CO2 leakage from carbon dioxide capture and storage (CCS) systems affects organic matter cycling in surface marine sediments. Marine Environmental Research, 2016, 122, 158-168. | 2.5 | 15 |
| 66 | Assessing viral taxonomic composition in benthic marine ecosystems: reliability and efficiency of different bioinformatic tools for viral metagenomic analyses. Scientific Reports, 2016, 6, 28428. | 3.3 | 36 |
| 67 | Impact of the biocide Irgarol on meiofauna and prokaryotes from the sediments of the Bizerte lagoonâ€"an experimental study. Environmental Science and Pollution Research, 2016, 23, 7712-7721. | 5.3 | 3 |
| 68 | Microbial assemblages for environmental quality assessment: Knowledge, gaps and usefulness in the European Marine Strategy Framework Directive. Critical Reviews in Microbiology, 2016, 42, 883-904. | 6.1 | 61 |
| 69 | Towards a better quantitative assessment of the relevance of deep-sea viruses, Bacteria and Archaea in the functioning of the ocean seafloor. Aquatic Microbial Ecology, 2015, 75, 81-90. | 1.8 | 60 |
| 70 | Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. Scientific Reports, 2015, 5, 14883. | 3.3 | 75 |
| 71 | New perspectives in benthic deep-sea microbial ecology. Frontiers in Marine Science, 2015, 2, . | 2.5 | 86 |
| 72 | Impact of CO2 leakage from sub-seabed carbon dioxide capture and storage (CCS) reservoirs on benthic virusâ€"prokaryote interactions and functions. Frontiers in Microbiology, 2015, 6, 935. | 3.5 | 22 |

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|---|---|---|---|
| 73 | Unveiling the Biodiversity of Deep-Sea Nematodes through Metabarcoding: Are We Ready to Bypass the Classical Taxonomy?. PLoS ONE, 2015, 10, e0144928. | 2.5 | 70 |
| 74 | Metagenetic tools for the census of marine meiofaunal biodiversity: An overview. Marine Genomics, 2015, 24, 11-20. | 1.1 | 93 |
| 75 | Virus decomposition provides an important contribution to benthic deep-sea ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2014-9. | 7.1 | 77 |
| 76 | Extracellular DNA can preserve the genetic signatures of present and past viral infection events in deep hypersaline anoxic basins. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133299. | 2.6 | 69 |
| 77 | Viruses as new agents of organomineralization in the geological record. Nature Communications, 2014, 5, 4298. | 12.8 | 51 |
| 78 | Relationships between Meiofaunal Biodiversity and Prokaryotic Heterotrophic Production in Different Tropical Habitats and Oceanic Regions. PLoS ONE, 2014, 9, e91056. | 2.5 | 44 |
| 79 | Patterns and drivers of bacterial Î±â€•and Î²â€diversity across vertical profiles from surface to subsurface sediments. Environmental Microbiology Reports, 2013, 5, 731-739. | 2.4 | 23 |
| 80 | Multiple spatial scale analyses provide new clues on patterns and drivers of deep-sea nematode diversity. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 92, 97-106. | 1.4 | 38 |
| 81 | Impact of aquaculture on benthic virusâ€“prokaryote interactions in the Mediterranean Sea. Water Research, 2013, 47, 1156-1168. | 11.3 | 27 |
| 82 | Red coral extinction risk enhanced by ocean acidification. Scientific Reports, 2013, 3, 1457. | 3.3 | 69 |
| 83 | Structure and interactions within the pelagic microbial food web (from viruses to microplankton) across environmental gradients in the Mediterranean Sea. Global Biogeochemical Cycles, 2013, 27, 1034-1045. | 4.9 | 19 |
| 84 | Major consequences of an intense dense shelf water cascading event on deep-sea benthic trophic conditions and meiofaunal biodiversity. Biogeosciences, 2013, 10, 2659-2670. | 3.3 | 42 |
| 85 | Trophic state of benthic deep-sea ecosystems from two different continental margins off Iberia. Biogeosciences, 2013, 10, 2945-2957. | 3.3 | 15 |
| 86 | Viral infections stimulate the metabolism and shape prokaryotic assemblages in submarine mud volcanoes. ISME Journal, 2012, 6, 1250-1259. | 9.8 | 32 |
| 87 | Viral metagenomics: a new and complementary tool for environmental quality assessment. Chemistry and Ecology, 2012, 28, 497-501. | 1.6 | 4 |
| 88 | Biodiversity of Prokaryotic Communities Associated with the Ectoderm of Ectopleura crocea (Cnidaria, Hydrozoa). PLoS ONE, 2012, 7, e39926. | 2.5 | 32 |
| 89 | Preservation, origin and genetic imprint of extracellular DNA in permanently anoxic deep-sea sediments. Molecular Ecology, 2011, 20, 642-654. | 3.9 | 148 |
| 90 | Marine viruses and global climate change. FEMS Microbiology Reviews, 2011, 35, 993-1034. | 8.6 | 297 |

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|---|---|---|---|
| 91 | Mud volcanoes in the Mediterranean Sea are hot spots of exclusive meiobenthic species. Progress in Oceanography, 2011, 91, 260-272. | 3.2 | 35 |
| 92 | Viral decay and viral production rates in continental-shelf and deep-sea sediments of the Mediterranean Sea. FEMS Microbiology Ecology, 2010, 72, 208-218. | 2.7 | 49 |
| 93 | Deep-Sea Biodiversity in the Mediterranean Sea: The Known, the Unknown, and the Unknowable. PLoS ONE, 2010, 5, e11832. | 2.5 | 321 |
| 94 | Disentangling the effect of viruses and nanoflagellates on prokaryotes in bathypelagic waters of the Mediterranean Sea. Marine Ecology - Progress Series, 2010, 418, 73-85. | 1.9 | 33 |
| 95 | Determination of viral production in aquatic sediments using the dilution-based approach. Nature Protocols, 2009, 4, 1013-1022. | 12.0 | 30 |
| 96 | Prokaryote diversity and viral production in deep-sea sediments and seamounts. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 738-747. | 1.4 | 52 |
| 97 | Diversity and spatial distribution of metal-reducing bacterial assemblages in groundwaters of different redox conditions. International Microbiology, 2009, 12, 153-9. | 2.4 | 11 |
| 98 | Prokaryote Diversity and Virus Abundance in Shallow Hydrothermal Vents of the Mediterranean Sea (Panarea Island) and the Pacific Ocean (North Sulawesi-Indonesia). Microbial Ecology, 2008, 55, 626-639. | 2.8 | 68 |
| 99 | Major viral impact on the functioning of benthic deep-sea ecosystems. Nature, 2008, 454, 1084-1087. | 27.8 | 366 |
| 100 | Viriobenthos in freshwater and marine sediments: a review. Freshwater Biology, 2008, 53, 1186-1213. | 2.4 | 125 |
| 101 | Damage and degradation rates of extracellular DNA in marine sediments: implications for the preservation of gene sequences. Molecular Ecology, 2008, 17, 3939-3951. | 3.9 | 193 |
| 102 | Exponential Decline of Deep-Sea Ecosystem Functioning Linked to Benthic Biodiversity Loss. Current Biology, 2008, 18, 1-8. | 3.9 | 641 |
| 103 | Sunscreens Cause Coral Bleaching by Promoting Viral Infections. Environmental Health Perspectives, 2008, 116, 441-447. | 6.0 | 426 |
| 104 | Early diagenesis and trophic role of extracellular DNA in different benthic ecosystems. Limnology and Oceanography, 2007, 52, 1710-1717. | 3.1 | 31 |
| 105 | Viral infection plays a key role in extracellular DNA dynamics in marine anoxic systems. Limnology and Oceanography, 2007, 52, 508-516. | 3.1 | 51 |
| 106 | Viral abundance and distribution in mesopelagic and bathypelagic waters of the Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1209-1220. | 1.4 | 55 |
| 107 | Viruses, prokaryotes and biochemical composition of organic matter in different types of mucilage aggregates. Aquatic Microbial Ecology, 2007, 49, 15-23. | 1.8 | 19 |
| 108 | Impact of heavy metals and PCBs on marine picoplankton. Environmental Toxicology, 2006, 21, 541-551. | 4.0 | 27 |

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|---|---|---|---|
| 109 | Viruses, prokaryotes and DNA in the sediments of a deep-hypersaline anoxic basin (DHAB) of the Mediterranean Sea. Environmental Microbiology, 2005, 7, 586-592. | 3.8 | 89 |
| 110 | Exo-enzymatic activities and dissolved organic pools in relation with mucilage development in the Northern Adriatic Sea. Science of the Total Environment, 2005, 353, 189-203. | 8.0 | 44 |
| 111 | Pelagic-Benthic Coupling and Diagenesis of Nucleic Acids in a Deep-Sea Continental Margin and an Open-Slope System of the Eastern Mediterranean. Applied and Environmental Microbiology, 2005, 71, 6070-6076. | 3.1 | 17 |
| 112 | Simultaneous Recovery of Extracellular and Intracellular DNA Suitable for Molecular Studies from Marine Sediments. Applied and Environmental Microbiology, 2005, 71, 46-50. | 3.1 | 227 |
| 113 | Degradation and Turnover of Extracellular DNA in Marine Sediments: Ecological and Methodological Considerations. Applied and Environmental Microbiology, 2004, 70, 4384-4386. | 3.1 | 139 |
| 114 | Sunscreen Products Increase Virus Production Through Prophage Induction in Marine Bacterioplankton. Microbial Ecology, 2003, 45, 109-118. | 2.8 | 56 |
| 115 | Viruses and marine pollution. Marine Pollution Bulletin, 2003, 46, 301-304. | 5.0 | 34 |
| 116 | Large-Scale Spatial Distribution of Virioplankton in the Adriatic Sea: Testing the Trophic State Control Hypothesis. Applied and Environmental Microbiology, 2003, 69, 2664-2673. | 3.1 | 78 |
| 117 | Aquaculture impact on benthic microbes and organic matter cycling in coastal mediterranean sediments: A synthesis. Chemistry and Ecology, 2003, 19, 59-65. | 1.6 | 27 |
| 118 | Molecular Tools for the Analysis of DNA in Marine Environments. , 0, , 105-126. | | 4 |
| 119 | Knowledge and implications of global change in the oceans for biology, ecology, and ecosystem services. , 0, , 84-108. | | 1 |
| 120 | Changes in Coral-Forest Microbiomes Predict the Impact of Marine Heatwaves on Habitat-Forming Species Down to Mesophotic Depths. SSRN Electronic Journal, 0, , . | 0.4 | 0 |