Susana Carvalho

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7803346/publications.pdf

Version: 2024-02-01

79	2,111	186209	276775
papers	citations	28 h-index	41 g-index

81	81	81	2662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implementing and Innovating Marine Monitoring Approaches for Assessing Marine Environmental Status. Frontiers in Marine Science, 2016, 3, .	1.2	163
2	The use of the marine biotic index AMBI in the assessment of the ecological status of the Ã“bidos lagoon (Portugal). Marine Pollution Bulletin, 2006, 52, 1414-1424.	2.3	88
3	Multiple stressor effects on coral reef ecosystems. Global Change Biology, 2019, 25, 4131-4146.	4.2	83
4	A Catalogue of Marine Biodiversity Indicators. Frontiers in Marine Science, 2016, 3, .	1.2	74
5	Factors structuring temporal and spatial dynamics of macrobenthic communities in a eutrophic coastal lagoon (Ã“bidos lagoon, Portugal). Marine Environmental Research, 2011, 71, 97-110.	1.1	61
6	How functional traits of estuarine macrobenthic assemblages respond to metal contamination?. Ecological Indicators, 2016, 71, 645-659.	2.6	59
7	Cross-shelf investigation of coral reef cryptic benthic organisms reveals diversity patterns of the hidden majority. Scientific Reports, 2018, 8, 8090.	1.6	58
8	Please mind the gap â€“ Visual census and cryptic biodiversity assessment at central Red Sea coral reefs. Marine Environmental Research, 2016, 118, 20-30.	1.1	57
9	A comparative analysis of metabarcoding and morphologyâ€based identification of benthic communities across different regional seas. Ecology and Evolution, 2018, 8, 8908-8920.	0.8	57
10	Spatial and inter-annual variability of the macrobenthic communities within a coastal lagoon (Ã“bidos) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	55
11	Microbial planktonic communities in the Red Sea: high levels of spatial and temporal variability shaped by nutrient availability and turbulence. Scientific Reports, 2017, 7, 6611.	1.6	54
12	Past and Future Grand Challenges in Marine Ecosystem Ecology. Frontiers in Marine Science, 2020, 7, .	1.2	52
13	The effect of depth and sediment type on the spatial distribution of shallow soft-bottom amphipods along the southern Portuguese coast. Helgoland Marine Research, 2012, 66, 489-501.	1.3	44
14	Cross shelf benthic biodiversity patterns in the Southern Red Sea. Scientific Reports, 2017, 7, 437.	1.6	44
15	Beyond the visual: using metabarcoding to characterize the hidden reef cryptobiome. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182697.	1.2	44
16	Coral reef degradation affects the potential for reef recovery after disturbance. Marine Environmental Research, 2018, 142, 48-58.	1.1	41
17	Benthic habitat mapping: Concerns using a combined approach (acoustic, sediment and biological) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	39
18	Distribution patterns of macrobenthic species in relation to organic enrichment within aquaculture earthen ponds. Marine Pollution Bulletin, 2006, 52, 1573-1584.	2.3	36

#	Article	IF	Citations
19	Baseline evaluation of sediment contamination in the shallow coastal areas of Saudi Arabian Red Sea. Marine Pollution Bulletin, 2017, 123, 205-218.	2.3	36
20	Biodiversity patterns of epifaunal assemblages associated with the gorgonians Eunicella gazella and Leptogorgia lusitanica in response to host, space and time. Journal of Sea Research, 2014, 85, 37-47.	0.6	32
21	Propensity to metal accumulation and oxidative stress responses of two benthic species (Cerastoderma edule and Nephtys hombergii): are tolerance processes limiting their responsiveness?. Ecotoxicology, 2016, 25, 664-676.	1.1	32
22	Lessons from photo analyses of Autonomous Reef Monitoring Structures as tools to detect (bio-)geographical, spatial, and environmental effects. Marine Pollution Bulletin, 2019, 141, 420-429.	2.3	32
23	The role of seagrass vegetation and local environmental conditions in shaping benthic bacterial and macroinvertebrate communities in a tropical coastal lagoon. Scientific Reports, 2020, 10, 13550.	1.6	32
24	Biodiversity patterns of plankton assemblages at the extremes of the Red Sea. FEMS Microbiology Ecology, 2016, 92, fiw002.	1.3	31
25	Disentangling the complex microbial community of coral reefs using standardized Autonomous Reef Monitoring Structures (ARMS). Molecular Ecology, 2019, 28, 3496-3507.	2.0	31
26	Total alkalinity production in a mangrove ecosystem reveals an overlooked Blue Carbon component. Limnology and Oceanography Letters, 2021, 6, 61-67.	1.6	31
27	Nitrogen eutrophication particularly promotes turf algae in coral reefs of the central Red Sea. PeerJ, 2020, 8, e8737.	0.9	31
28	Macrobenthic Colonisation of Artificial Reefs on the Southern Coast of Portugal (AncÃ£o, Algarve). Hydrobiologia, 2006, 555, 335-343.	1.0	30
29	Enrichment of aquaculture earthen ponds with Hediste diversicolor: Consequences for benthic dynamics and natural productivity. Aquaculture, 2007, 262, 227-236.	1.7	30
30	How complementary are epibenthic assemblages in artificial andÂnearby natural rocky reefs?. Marine Environmental Research, 2013, 92, 170-177.	1.1	30
31	Clam dredging effects and subsequent recovery of benthic communities at different depth ranges. Marine Environmental Research, 2009, 67, 89-99.	1.1	29
32	An in situ approach for measuring biogeochemical fluxes in structurally complex benthic communities. Methods in Ecology and Evolution, 2019, 10, 712-725.	2.2	29
33	Temporal variability of biodiversity patterns and trophic structure of estuarine macrobenthic assemblages along a gradient of metal contamination. Estuarine, Coastal and Shelf Science, 2015, 167, 286-299.	0.9	28
34	La pesquerÃa artesanal de gasterÃ³podos murÃcidos (<i>Hexaplex trunculus</i> y) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Scientia Marina, 2008, 72, .	0.3	26
35	Diversity and abundance of invertebrate epifaunal assemblages associated with gorgonians are driven by colony attributes. Coral Reefs, 2015, 34, 611-624.	0.9	25
36	Short-term impact of bait digging on intertidal macrobenthic assemblages of two south Iberian Atlantic systems. Estuarine, Coastal and Shelf Science, 2013, 132, 65-76.	0.9	24

#	Article	IF	Citations
37	The Red Sea. , 2019, , 49-74.		24
38	Translational Molecular Ecology in practice: Linking DNA-based methods to actionable marine environmental management. Science of the Total Environment, 2020, 744, 140780.	3.9	24
39	Effect of depth and reef structure on early macrobenthic communities of the Algarve artificial reefs (southern Portugal). Hydrobiologia, 2007, 580, 173-180.	1.0	23
40	Consistent variability in beta-diversity patterns contrasts with changes in alpha-diversity along an onshore to offshore environmental gradient: the case of Red Sea soft-bottom macrobenthos. Marine Biodiversity, 2019, 49, 247-262.	0.3	23
41	Is metal contamination responsible for increasing aneuploidy levels in the Manila clam Ruditapes philippinarum?. Science of the Total Environment, 2017, 577, 340-348.	3.9	20
42	Metal bioaccumulation and oxidative stress profiles in Ruditapes philippinarum â€“ insights towards its suitability as bioindicator of estuarine metal contamination. Ecological Indicators, 2018, 95, 1087-1099.	2.6	20
43	Is surface orientation a determinant for colonisation patterns of vagile and sessile macrobenthos on artificial reefs?. Biofouling, 2008, 24, 381-391.	0.8	19
44	Panâ€•regional marine benthic cryptobiome biodiversity patterns revealed by metabarcoding Autonomous Reef Monitoring Structures. Molecular Ecology, 2020, 29, 4882-4897.	2.0	19
45	Extracellular DNA amplicon sequencing reveals high levels of benthic eukaryotic diversity in the central Red Sea. Marine Genomics, 2016, 26, 29-39.	0.4	17
46	Biochemical biomarker responses to pollution in selected sentinel organisms across the Eastern Mediterranean and the Black Sea. Environmental Science and Pollution Research, 2016, 23, 1789-1804.	2.7	17
47	Morphological and ecological trait diversity reveal sensitivity of herbivorous fish assemblages to coral reef benthic conditions. Marine Environmental Research, 2020, 162, 105102.	1.1	15
48	High summer temperatures amplify functional differences between coralâ€•and algaeâ€•dominated reef communities. Ecology, 2021, 102, e03226.	1.5	15
49	A step towards the validation of bacteria biotic indices using DNA metabarcoding for benthic monitoring. Molecular Ecology Resources, 2021, 21, 1889-1903.	2.2	15
50	Heterotrophic bacterioplankton responses in coral- and algae-dominated Red Sea reefs show they might benefit from future regime shift. Science of the Total Environment, 2021, 751, 141628.	3.9	14
51	Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Ã“bidos lagoon,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	13
52	Environmental quality assessment combining sediment metal levels, biomarkers and macrobenthic communities: application to the Ã“bidos coastal lagoon (Portugal). Environmental Monitoring and Assessment, 2012, 184, 7141-7151.	1.3	13
53	Can we infer dredge fishing effort from macrobenthic community structure?. ICES Journal of Marine Science, 2009, 66, 2121-2132.	1.2	11
54	Environmental impact of razor clam harvesting using salt in Ria Formosa lagoon (Southern Portugal) and subsequent recovery of associated benthic communities. Aquatic Conservation: Marine and Freshwater Ecosystems, 2009, 19, 542-553.	0.9	11

#	Article	IF	Citations
55	High rates of carbon and dinitrogen fixation suggest a critical role of benthic pioneer communities in the energy and nutrient dynamics of coral reefs. Functional Ecology, 2020, 34, 1991-2004.	1.7	11
56	A portfolio of climateâ€tailored approaches to advance the design of marine protected areas in the Red Sea. Global Change Biology, 2021, 27, 3956-3968.	4.2	11
57	Contrasting Effects of Local Environmental and Biogeographic Factors on the Composition and Structure of Bacterial Communities in Arid Monospecific Mangrove Soils. Microbiology Spectrum, 2022, 10, e0090321.	1.2	11
58	Patterns, Drivers, and Ecological Implications of Upwelling in Coral Reef Habitats of the Southern Red Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016493.	1.0	10
59	Plankton community assessment in anthropogenic-impacted oligotrophic coastal regions. Environmental Science and Pollution Research, 2018, 25, 31017-31030.	2.7	9
60	Temporal variability in epifaunal assemblages associated with temperate gorgonian gardens. Marine Environmental Research, 2015, 112, 140-151.	1.1	8
61	Stylophora under stress: A review of research trends and impacts of stressors on a model coral species. Science of the Total Environment, 2022, 816, 151639.	3.9	8
62	Geochemical changes in white seabream (Diplodus sargus) earth ponds during a production cycle. Aquaculture Research, 2007, 38, 1619-1626.	0.9	7
63	Relationship between Razor Clam Fishing Intensity and Potential Changes in Associated Benthic Communities. Journal of Shellfish Research, 2011, 30, 309-323.	0.3	7
64	Nutrient pollution enhances productivity and framework dissolution in algae- but not in coral-dominated reef communities. Marine Pollution Bulletin, 2021, 168, 112444.	2.3	7
65	Simulated overfishing and natural eutrophication promote the relative success of a non-indigenous ascidian in coral reefs at the Pacific coast of Costa Rica. Aquatic Invasions, 2017, 12, 435-446.	0.6	7
66	Metal accumulation and oxidative stress responses in Ulva spp. in the presence of nocturnal pulses of metals from sediment: A field transplantation experiment under eutrophic conditions. Marine Environmental Research, 2014, 94, 56-64.	1.1	6
67	The influence of white seabream (Diplodus sargus) production on macrobenthic colonization patterns. Acta Oecologica, 2007, 31, 307-315.	0.5	5
68	Can macrobenthic communities be used in the assessment of environmental quality of fish earthen ponds?. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 135-144.	0.4	5
69	Localized effects of offshore aquaculture on water quality in a tropical sea. Marine Pollution Bulletin, 2021, 171, 112732.	2.3	5
70	Composition, uniqueness and connectivity across tropical coastal lagoon habitats in the Red Sea. BMC Ecology, 2020, 20, 61.	3.0	5
71	Benthic dynamics within a land-based semi-intensive aquaculture fish farm: the importance of settlement ponds. Aquaculture International, 2009, 17, 571-587.	1.1	4
72	Mantacaprella macaronensis, a new genus and species of Caprellidae (Crustacea: Amphipoda) from Canary Islands and Cape Verde . Zootaxa, 2013, 3700, 159.	0.2	4

#	Article	IF	Citations
73	Effects of metal contamination on the gene expression profile of two benthic species: Cerastoderma edule and Ruditapes philippinarum. Marine Pollution Bulletin, 2017, 125, 157-165.	2.3	4
74	Cytogenetics of Hediste diversicolor (Annelida: Polychaeta) and comparative karyological analysis within Nereididae. Aquatic Biology, 2010, 10, 193-201.	0.5	4
75	Nephtyidae (Polychaeta, Phyllodocida) from the Red Sea, with record of a new species. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 843-856.	0.4	3
76	Potential effects of heavy metal pollution from a cement factory near Saudi Arabiaâ€™s largest green turtle rookery. Environmental Monitoring and Assessment, 2022, 194, .	1.3	2
77	High Summer Temperatures Amplify Functional Differences Between Coralâ€•and Algaeâ€Dominated Reef Communities. Bulletin of the Ecological Society of America, 2021, 102, e01822.	0.2	0
78	Treasure Reef: Revealing the Hidden Creatures of Coral Reefs. Frontiers for Young Minds, 0, 8, .	0.8	0
79	Total alkalinity production in a mangrove ecosystem reveals an overlooked Blue Carbon component. , 2021, , .		0