Gerardo Ivan Zardi

List of Publications by Year
in descending order

67	2,302	172443	223791
papers	citations	29 h-index	46 g-index

67	67	67	2178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shift happens: trailing edge contraction associated with recent warming trends threatens a distinct genetic lineage in the marine macroalga Fucus vesiculosus. BMC Biology, 2013, 11, 6.	3.8	130
2	Unexpected genetic structure of mussel populations in South Africa: indigenous Perna perna and invasive Mytilus galloprovincialis. Marine Ecology - Progress Series, 2007, 337, 135-144.	1.9	106
3	Hydrodynamic stress and habitat partitioning between indigenous (Perna perna) and invasive (Mytilus)	1.5	102
4	Upwelling areas as climate change refugia for the distribution and genetic diversity of a marine macroalga. Journal of Biogeography, 2016, 43, 1595-1607.	3.0	92
5	Balancing survival and reproduction: seasonality of wave action, attachment strength and reproductive output in indigenous Perna perna and invasive Mytilus galloprovincialis mussels. Marine Ecology - Progress Series, 2007, 334, 155-163.	1.9	91
6	Implications of life history for genetic structure and migration rates of southern African coastal invertebrates: planktonic, abbreviated and direct development. Marine Biology, 2007, 152, 697-711.	1.5	90
7	Species-specific plastic accumulation in the sediment and canopy of coastal vegetated habitats. Science of the Total Environment, 2020, 723, 138018.	8.0	90
8	Decreased thermal tolerance under recurrent heat stress conditions explains summer mass mortality of the blue mussel Mytilus edulis. Scientific Reports, 2019, 9, 17498.	3.3	88
9	Engineering the root-soil interface via targeted expression of a synthetic phytase gene in trichoblasts. Plant Biotechnology Journal, 2003, 1, 353-360.	8.3	87
10	Adaptive Traits Are Maintained on Steep Selective Gradients despite Gene Flow and Hybridization in the Intertidal Zone. PLoS ONE, 2011, 6, e19402.	2.5	86
11	Long-term, high frequency in situ measurements of intertidal mussel bed temperatures using biomimetic sensors. Scientific Data, 2016, 3, 160087.	5.3	69
12	The role of gaping behaviour in habitat partitioning between coexisting intertidal mussels. BMC Ecology, 2010, 10, 17.	3.0	64
13	Sand and wave induced mortality in invasive (Mytilus galloprovincialis) and indigenous (Perna perna) mussels. Marine Biology, 2008, 153, 853-858.	1.5	59
14	Oceanographic Conditions Limit the Spread of a Marine Invader along Southern African Shores. PLoS ONE, 2015, 10, e0128124.	2.5	58
15	Love Thy Neighbour: Group Properties of Gaping Behaviour in Mussel Aggregations. PLoS ONE, 2012, 7, e47382.	2.5	57
16	The Expression of an Extensin-Like Protein Correlates with Cellular Tip Growth in Tomato. Plant Physiology, 2002, 128, 911-923.	4.8	54
17	The combination of selection and dispersal helps explain genetic structure in intertidal mussels. Oecologia, 2011, 165, 947-958.	2.0	54
18	Plastic ingestion in aquatic birds in Portugal. Marine Pollution Bulletin, 2019, 138, 19-24.	5.0	49

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19	Coastal topography drives genetic structure in marine mussels. Marine Ecology - Progress Series, 2008, 368, 189-195.	1.9	46
20	Differential reproductive investment, attachment strength and mortality of invasive and indigenous mussels across heterogeneous environments. Biological Invasions, 2010, 12, 2165-2177.	2.4	43
21	Taking the heat: distinct vulnerability to thermal stress of central and threatened peripheral lineages of a marine macroalga. Diversity and Distributions, 2016, 22, 1060-1068.	4.1	42
22	Effects of Endolithic Parasitism on Invasive and Indigenous Mussels in a Variable Physical Environment. PLoS ONE, 2009, 4, e6560.	2.5	40
23	Closer to the rear edge: ecology and genetic diversity down the coreâ€edge gradient of a marine macroalga. Ecosphere, 2015, 6, 1-25.	2.2	39
24	Behavioural response of invasive Mytilus galloprovincialis and indigenous Perna perna mussels exposed to risk of predation. Marine Ecology - Progress Series, 2007, 336, 169-175.	1.9	36
25	Broad scale agreement between intertidal habitats and adaptive traits on a basis of contrasting population genetic structure. Estuarine, Coastal and Shelf Science, 2013, 131, 140-148.	2.1	34
26	Sand stress as a non-determinant of habitat segregation of indigenous (Perna perna) and invasive (Mytilus galloprovincialis) mussels in South Africa. Marine Biology, 2006, 148, 1031-1038.	1.5	33
27	Wider sampling reveals a nonâ€sister relationship for geographically contiguous lineages of a marine mussel. Ecology and Evolution, 2014, 4, 2070-2081.	1.9	33
28	Tidal height, rather than habitat selection for conspecifics, controls settlement in mussels. Marine Biology, 2007, 152, 631-637.	1.5	29
29	Comparison of phototrophic shell-degrading endoliths in invasive and native populations of the intertidal mussel Mytilus galloprovincialis. Biological Invasions, 2013, 15, 1253-1272.	2.4	29
30	Movement behaviour and mortality in invasive and indigenous mussels: resilience and resistance strategies at different spatial scales. Marine Ecology - Progress Series, 2008, 372, 119-126.	1.9	27
31	Plastic ingestion in aquatic-associated bird species in southern Portugal. Marine Pollution Bulletin, 2018, 126, 413-418.	5.0	27
32	Intraspecific genetic lineages of a marine mussel show behavioural divergence and spatial segregation over a tropical/subtropical biogeographic transition. BMC Evolutionary Biology, 2015, 15, 100.	3.2	24
33	Canopy microclimate modification in central and marginal populations of a marine macroalga. Marine Biodiversity, 2019, 49, 415-424.	1.0	23
34	Rejection of the genetic implications of the â€œAbundant Centre Hypothesisâ€•in marine mussels. Scientific Reports, 2020, 10, 604.	3.3	23
35	Microplastic leachates induce speciesâ€specific trait strengthening in intertidal mussels. Ecological Applications, 2021, 31, e02222.	3.8	23
36	First record of the brown mussel (Perna perna) from the European Atlantic coast. Marine Biodiversity Records, 2012, 5, .	1.2	22

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37	Re-assessing the origins of the invasive mussel Mytilus galloprovincialis in southern Africa. Marine and Freshwater Research, 2018, 69, 607.	1.3	22
38	A baseline assessment of beach macrolitter and microplastics along northeastern Atlantic shores. Marine Pollution Bulletin, 2019, 149, 110649.	5.0	22
39	Cheating the Locals: Invasive Mussels Steal and Benefit from the Cooling Effect of Indigenous Mussels. PLoS ONE, 2016, 11, e0152556.	2.5	20
40	Evidence for rangewide panmixia despite multiple barriers to dispersal in a marine mussel. Scientific Reports, 2017, 7, 10279.	3.3	20
41	Two sides of the same coin: extinctions and originations across the Atlantic/Indian Ocean boundary as consequences of the same climate oscillation. Frontiers of Biogeography, 2013, 5, .	1.8	17
42	Behind the mask: cryptic genetic diversity ofMytilus galloprovincialisalong southern European and northern African shores. Journal of Molluscan Studies, 2015, 81, 380-387.	1.2	16
43	Strong upwelling conditions drive differences in species abundance and community composition along the Atlantic coasts of Morocco and Western Sahara. Marine Biodiversity, 2020, 50, 1.	1.0	15
44	Size and position (sometimes) matter: small-scale patterns of heat stress associated with two co-occurring mussels with different thermoregulatory behaviour. Marine Biology, 2016, 163, 1.	1.5	13
45	Congruence between fine-scale genetic breaks and dispersal potential in an estuarine seaweed across multiple transition zones. ICES Journal of Marine Science, 2020, 77, 371-378.	2.5	12
46	Intraspecific diversity in an ecological engineer functionally trumps interspecific diversity in shaping community structure. Science of the Total Environment, 2020, 743, 140723.	8.0	12
47	Understanding the margin squeeze: Differentiation in fitnessâ€related traits between central and trailing edge populations of Corallina officinalis. Ecology and Evolution, 2019, 9, 5787-5801.	1.9	11
48	Biogeographical Patterns of Endolithic Infestation in an Invasive and an Indigenous Intertidal Marine Ecosystem Engineer. Diversity, 2019, 11, 75.	1.7	11
49	Small scale habitat effects on anthropogenic litter material and sources in a coastal lagoon system. Marine Pollution Bulletin, 2020, 160, 111689.	5.0	11
50	Microplastic leachates disrupt the chemotactic and chemokinetic behaviours of an ecosystem engineer (Mytilus edulis). Chemosphere, 2022, 306, 135425.	8.2	11
51	Between a rock and a hard place: combined effect of trampling and phototrophic shell-degrading endoliths in marine intertidal mussels. Marine Biodiversity, 2019, 49, 1581-1586.	1.0	10
52	Latitudinal incidence of phototrophic shell-degrading endoliths and their effects on mussel bed microclimates. Marine Biology, 2017, 164, 1.	1.5	9
53	Foulâ€weather friends: Modelling thermal stress mitigation by symbiotic endolithic microbes in a changing environment. Global Change Biology, 2021, 27, 2549-2560.	9.5	8
54	Reproductive strategies and population genetic structure ofFucus spp. across a northeast Atlantic biogeographic transition. Aquatic Living Resources, 2017, 30, 16.	1.2	7

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55	Biogeographic drivers of distribution and abundance in an alien ecosystem engineer: Transboundary range expansion, barriers to spread, and spatial structure. Journal of Biogeography, 2021, 48, 1941-1959.	3.0	7
56	Community succession in phototrophic shell-degrading endoliths attacking intertidal mussels. Journal of Molluscan Studies, 2021, 87, .	1.2	7
57	Characterization of ten highly polymorphic microsatellite loci for the intertidal mussel Perna perna, and cross species amplification within the genus. BMC Research Notes, 2012, 5, 558.	1.4	6
58	Density-Dependent and Species-Specific Effects on Self-Organization Modulate the Resistance of Mussel Bed Ecosystems to Hydrodynamic Stress. American Naturalist, 2021, 197, 615-623.	2.1	6
59	Symbiont-induced intraspecific phenotypic variation enhances plastic trapping and ingestion in biogenic habitats. Science of the Total Environment, 2022, 826, 153922.	8.0	6
60	Two sides of the same coin: extinctions and originations across the Atlantic/Indian Ocean boundary as consequences of the same climate oscillation. Frontiers of Biogeography, 2013, 5, .	1.8	5
61	Isolation and characterization of nine microsatellite markers for the red alga Corallina officinalis. Molecular Biology Reports, 2018, 45, 2791-2794.	2.3	5
62	Heads in the clouds: On the carbon footprint of conferenceâ€seeded publications in the advancement of knowledge. Ecology and Evolution, 2021, 11, 15205-15211.	1.9	5
63	Weather and topography regulate the benefit of a conditionally helpful parasite. Functional Ecology, 2021, 35, 2691-2706.	3.6	4
64	Historical and contemporary range expansion of an invasive mussel, Semimytlius algosus, in Angola and Namibia despite data scarcity in an infrequently surveyed region. PLoS ONE, 2020, 15, e0239167.	2.5	2
65	Unlocking the history of a transâ€Atlantic invader: Did the human slave trade impact Brown mussel dispersal?. Journal of Biogeography, 2021, 48, 2671-2681.	3.0	1
66	A 6-year survey of plastic ingestion by aquatic birds in southern Portugal. Marine and Freshwater Research, 2021, , .	1.3	1
67	Parasitism by endolithic cyanobacteria reduces reproductive output and attachment strength of intertidal ecosystem engineers. Marine Biology, 2022, 169, 1.	1.5	1