

Katy R Nicastro

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,974
citations

236833

25
h-index

265120

42
g-index

65
all docs

65
docs citations

65
times ranked

1830
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 <i>Fucus vesiculosus</i> . <i>BMC Biology</i> , 2013, 11, 6.	1.7	130
2	Hydrodynamic stress and habitat partitioning between indigenous (<i>Perna perna</i>) and invasive (<i>Mytilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	102
3	Upwelling areas as climate change refugia for the distribution and genetic diversity of a marine macroalga. <i>Journal of Biogeography</i> , 2016, 43, 1595-1607.	1.4	92
4	Balancing survival and reproduction: seasonality of wave action, attachment strength and reproductive output in indigenous <i>Perna perna</i> and invasive <i>Mytilus galloprovincialis</i> mussels. <i>Marine Ecology - Progress Series</i> , 2007, 334, 155-163.	0.9	91
5	Species-specific plastic accumulation in the sediment and canopy of coastal vegetated habitats. <i>Science of the Total Environment</i> , 2020, 723, 138018.	3.9	90
6	Decreased thermal tolerance under recurrent heat stress conditions explains summer mass mortality of the blue mussel <i>Mytilus edulis</i> . <i>Scientific Reports</i> , 2019, 9, 17498.	1.6	88
7	Adaptive Traits Are Maintained on Steep Selective Gradients despite Gene Flow and Hybridization in the Intertidal Zone. <i>PLoS ONE</i> , 2011, 6, e19402.	1.1	86
8	Long-term, high frequency in situ measurements of intertidal mussel bed temperatures using biomimetic sensors. <i>Scientific Data</i> , 2016, 3, 160087.	2.4	69
9	The role of gaping behaviour in habitat partitioning between coexisting intertidal mussels. <i>BMC Ecology</i> , 2010, 10, 17.	3.0	64
10	Sand and wave induced mortality in invasive (<i>Mytilus galloprovincialis</i>) and indigenous (<i>Perna perna</i>) mussels. <i>Marine Biology</i> , 2008, 153, 853-858.	0.7	59
11	Oceanographic Conditions Limit the Spread of a Marine Invader along Southern African Shores. <i>PLoS ONE</i> , 2015, 10, e0128124.	1.1	58
12	Love Thy Neighbour: Group Properties of Gaping Behaviour in Mussel Aggregations. <i>PLoS ONE</i> , 2012, 7, e47382.	1.1	57
13	The combination of selection and dispersal helps explain genetic structure in intertidal mussels. <i>Oecologia</i> , 2011, 165, 947-958.	0.9	54
14	Plastic ingestion in aquatic birds in Portugal. <i>Marine Pollution Bulletin</i> , 2019, 138, 19-24.	2.3	49
15	Coastal topography drives genetic structure in marine mussels. <i>Marine Ecology - Progress Series</i> , 2008, 368, 189-195.	0.9	46
16	Differential reproductive investment, attachment strength and mortality of invasive and indigenous mussels across heterogeneous environments. <i>Biological Invasions</i> , 2010, 12, 2165-2177.	1.2	43
17	Taking the heat: distinct vulnerability to thermal stress of central and threatened peripheral lineages of a marine macroalga. <i>Diversity and Distributions</i> , 2016, 22, 1060-1068.	1.9	42
18	Effects of Endolithic Parasitism on Invasive and Indigenous Mussels in a Variable Physical Environment. <i>PLoS ONE</i> , 2009, 4, e6560.	1.1	40

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19	Closer to the rear edge: ecology and genetic diversity down the coreâ€edge gradient of a marine macroalga. <i>Ecosphere</i> , 2015, 6, 1-25.	1.0	39
20	Behavioural response of invasive <i>Mytilus galloprovincialis</i> and indigenous <i>Perna perna</i> mussels exposed to risk of predation. <i>Marine Ecology - Progress Series</i> , 2007, 336, 169-175.	0.9	36
21	Broad scale agreement between intertidal habitats and adaptive traits on a basis of contrasting population genetic structure. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 131, 140-148.	0.9	34
22	Sand stress as a non-determinant of habitat segregation of indigenous (<i>Perna perna</i>) and invasive (<i>Mytilus galloprovincialis</i>) mussels in South Africa. <i>Marine Biology</i> , 2006, 148, 1031-1038.	0.7	33
23	Wider sampling reveals a nonâ€sister relationship for geographically contiguous lineages of a marine mussel. <i>Ecology and Evolution</i> , 2014, 4, 2070-2081.	0.8	33
24	Enemies with benefits: parasitic endoliths protect mussels against heat stress. <i>Scientific Reports</i> , 2016, 6, 31413.	1.6	32
25	Comparison of phototrophic shell-degrading endoliths in invasive and native populations of the intertidal mussel <i>Mytilus galloprovincialis</i> . <i>Biological Invasions</i> , 2013, 15, 1253-1272.	1.2	29
26	Movement behaviour and mortality in invasive and indigenous mussels: resilience and resistance strategies at different spatial scales. <i>Marine Ecology - Progress Series</i> , 2008, 372, 119-126.	0.9	27
27	Plastic ingestion in aquatic-associated bird species in southern Portugal. <i>Marine Pollution Bulletin</i> , 2018, 126, 413-418.	2.3	27
28	Intraspecific genetic lineages of a marine mussel show behavioural divergence and spatial segregation over a tropical/subtropical biogeographic transition. <i>BMC Evolutionary Biology</i> , 2015, 15, 100.	3.2	24
29	Canopy microclimate modification in central and marginal populations of a marine macroalga. <i>Marine Biodiversity</i> , 2019, 49, 415-424.	0.3	23
30	Rejection of the genetic implications of the â€œAbundant Centre Hypothesisâ€ in marine mussels. <i>Scientific Reports</i> , 2020, 10, 604.	1.6	23
31	Microplastic leachates induce speciesâ€specific trait strengthening in intertidal mussels. <i>Ecological Applications</i> , 2021, 31, e02222.	1.8	23
32	First record of the brown mussel (<i>Perna perna</i>) from the European Atlantic coast. <i>Marine Biodiversity Records</i> , 2012, 5, .	1.2	22
33	Re-assessing the origins of the invasive mussel <i>Mytilus galloprovincialis</i> in southern Africa. <i>Marine and Freshwater Research</i> , 2018, 69, 607.	0.7	22
34	A baseline assessment of beach macrolitter and microplastics along northeastern Atlantic shores. <i>Marine Pollution Bulletin</i> , 2019, 149, 110649.	2.3	22
35	Cheating the Locals: Invasive Mussels Steal and Benefit from the Cooling Effect of Indigenous Mussels. <i>PLoS ONE</i> , 2016, 11, e0152556.	1.1	20
36	Evidence for rangewide panmixia despite multiple barriers to dispersal in a marine mussel. <i>Scientific Reports</i> , 2017, 7, 10279.	1.6	20

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37	Two sides of the same coin: extinctions and originations across the Atlantic/Indian Ocean boundary as consequences of the same climate oscillation. <i>Frontiers of Biogeography</i> , 2013, 5, .	0.8	17
38	Behind the mask: cryptic genetic diversity of <i>Mytilus galloprovincialis</i> along southern European and northern African shores. <i>Journal of Molluscan Studies</i> , 2015, 81, 380-387.	0.4	16
39	Strong upwelling conditions drive differences in species abundance and community composition along the Atlantic coasts of Morocco and Western Sahara. <i>Marine Biodiversity</i> , 2020, 50, 1.	0.3	15
40	Size and position (sometimes) matter: small-scale patterns of heat stress associated with two co-occurring mussels with different thermoregulatory behaviour. <i>Marine Biology</i> , 2016, 163, 1.	0.7	13
41	Congruence between fine-scale genetic breaks and dispersal potential in an estuarine seaweed across multiple transition zones. <i>ICES Journal of Marine Science</i> , 2020, 77, 371-378.	1.2	12
42	Intraspecific diversity in an ecological engineer functionally trumps interspecific diversity in shaping community structure. <i>Science of the Total Environment</i> , 2020, 743, 140723.	3.9	12
43	Understanding the margin squeeze: Differentiation in fitness-related traits between central and trailing edge populations of <i>Corallina officinalis</i> . <i>Ecology and Evolution</i> , 2019, 9, 5787-5801.	0.8	11
44	Biogeographical Patterns of Endolithic Infestation in an Invasive and an Indigenous Intertidal Marine Ecosystem Engineer. <i>Diversity</i> , 2019, 11, 75.	0.7	11
45	Small scale habitat effects on anthropogenic litter material and sources in a coastal lagoon system. <i>Marine Pollution Bulletin</i> , 2020, 160, 111689.	2.3	11
46	Microplastic leachates disrupt the chemotactic and chemokinetic behaviours of an ecosystem engineer (<i>Mytilus edulis</i>). <i>Chemosphere</i> , 2022, 306, 135425.	4.2	11
47	Between a rock and a hard place: combined effect of trampling and phototrophic shell-degrading endoliths in marine intertidal mussels. <i>Marine Biodiversity</i> , 2019, 49, 1581-1586.	0.3	10
48	Latitudinal incidence of phototrophic shell-degrading endoliths and their effects on mussel bed microclimates. <i>Marine Biology</i> , 2017, 164, 1.	0.7	9
49	Foul-weather friends: Modelling thermal stress mitigation by symbiotic endolithic microbes in a changing environment. <i>Global Change Biology</i> , 2021, 27, 2549-2560.	4.2	8
50	Reproductive strategies and population genetic structure of <i>Fucus spp</i> across a northeast Atlantic biogeographic transition. <i>Aquatic Living Resources</i> , 2017, 30, 16.	0.5	7
51	Biogeographic drivers of distribution and abundance in an alien ecosystem engineer: Transboundary range expansion, barriers to spread, and spatial structure. <i>Journal of Biogeography</i> , 2021, 48, 1941-1959.	1.4	7
52	Community succession in phototrophic shell-degrading endoliths attacking intertidal mussels. <i>Journal of Molluscan Studies</i> , 2021, 87, .	0.4	7
53	Characterization of ten highly polymorphic microsatellite loci for the intertidal mussel <i>Perna perna</i> , and cross species amplification within the genus. <i>BMC Research Notes</i> , 2012, 5, 558.	0.6	6
54	Microplastics in commercial bivalves harvested from intertidal seagrasses and sandbanks in the Ria Formosa lagoon, Portugal. <i>Marine and Freshwater Research</i> , 2021, , .	0.7	6

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55	Density-Dependent and Species-Specific Effects on Self-Organization Modulate the Resistance of Mussel Bed Ecosystems to Hydrodynamic Stress. <i>American Naturalist</i> , 2021, 197, 615-623.	1.0	6
56	Symbiont-induced intraspecific phenotypic variation enhances plastic trapping and ingestion in biogenic habitats. <i>Science of the Total Environment</i> , 2022, 826, 153922.	3.9	6
57	Two sides of the same coin: extinctions and originations across the Atlantic/Indian Ocean boundary as consequences of the same climate oscillation. <i>Frontiers of Biogeography</i> , 2013, 5, .	0.8	5
58	Isolation and characterization of nine microsatellite markers for the red alga <i>Corallina officinalis</i> . <i>Molecular Biology Reports</i> , 2018, 45, 2791-2794.	1.0	5
59	Heads in the clouds: On the carbon footprint of conference-seeded publications in the advancement of knowledge. <i>Ecology and Evolution</i> , 2021, 11, 15205-15211.	0.8	5
60	Weather and topography regulate the benefit of a conditionally helpful parasite. <i>Functional Ecology</i> , 2021, 35, 2691-2706.	1.7	4
61	Historical and contemporary range expansion of an invasive mussel, <i>Semimytilus algosus</i> , in Angola and Namibia despite data scarcity in an infrequently surveyed region. <i>PLoS ONE</i> , 2020, 15, e0239167.	1.1	2
62	Unlocking the history of a trans-Atlantic invader: Did the human slave trade impact Brown mussel dispersal?. <i>Journal of Biogeography</i> , 2021, 48, 2671-2681.	1.4	1
63	A 6-year survey of plastic ingestion by aquatic birds in southern Portugal. <i>Marine and Freshwater Research</i> , 2021, , .	0.7	1
64	Parasitism by endolithic cyanobacteria reduces reproductive output and attachment strength of intertidal ecosystem engineers. <i>Marine Biology</i> , 2022, 169, 1.	0.7	1
65	Characterization of ten highly polymorphic microsatellite loci for the intertidal mussel <i>Perna perna</i> , and cross species amplification within the genus. <i>BMC Research Notes</i> , 2012, 5, 2101791285670501.	0.6	0