

# 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	Parasitism by endolithic cyanobacteria reduces reproductive output and attachment strength of intertidal ecosystem engineers. <i>Marine Biology</i> , 2022, 169, 1.	0.7	1
2	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
3	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
4	Microplastic leachates induce species-specific trait strengthening in intertidal mussels. <i>Ecological Applications</i> , 2021, 31, e02222.	1.8	23
5	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
6	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
7	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
8	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
9	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
10	Community succession in phototrophic shell-degrading endoliths attacking intertidal mussels. <i>Journal of Molluscan Studies</i> , 2021, 87, .	0.4	7
11	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
12	Weather and topography regulate the benefit of a conditionally helpful parasite. <i>Functional Ecology</i> , 2021, 35, 2691-2706.	1.7	4
13	A 6-year survey of plastic ingestion by aquatic birds in southern Portugal. <i>Marine and Freshwater Research</i> , 2021, , .	0.7	1
14	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
15	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
16	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
17	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
18	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

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19	Rejection of the genetic implications of the "Abundant Centre Hypothesis" in marine mussels. <i>Scientific Reports</i> , 2020, 10, 604.	1.6	23
20	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
21	A baseline assessment of beach macrolitter and microplastics along northeastern Atlantic shores. <i>Marine Pollution Bulletin</i> , 2019, 149, 110649.	2.3	22
22	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
23	Biogeographical Patterns of Endolithic Infestation in an Invasive and an Indigenous Intertidal Marine Ecosystem Engineer. <i>Diversity</i> , 2019, 11, 75.	0.7	11
24	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
25	Plastic ingestion in aquatic birds in Portugal. <i>Marine Pollution Bulletin</i> , 2019, 138, 19-24.	2.3	49
26	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
27	Canopy microclimate modification in central and marginal populations of a marine macroalga. <i>Marine Biodiversity</i> , 2019, 49, 415-424.	0.3	23
28	Plastic ingestion in aquatic-associated bird species in southern Portugal. <i>Marine Pollution Bulletin</i> , 2018, 126, 413-418.	2.3	27
29	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
30	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
31	Latitudinal incidence of phototrophic shell-degrading endoliths and their effects on mussel bed microclimates. <i>Marine Biology</i> , 2017, 164, 1.	0.7	9
32	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
33	Evidence for rangewide panmixia despite multiple barriers to dispersal in a marine mussel. <i>Scientific Reports</i> , 2017, 7, 10279.	1.6	20
34	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
35	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
36	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

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37	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
38	Enemies with benefits: parasitic endoliths protect mussels against heat stress. <i>Scientific Reports</i> , 2016, 6, 31413.	1.6	32
39	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
40	Oceanographic Conditions Limit the Spread of a Marine Invader along Southern African Shores. <i>PLoS ONE</i> , 2015, 10, e0128124.	1.1	58
41	Closer to the rear edge: ecology and genetic diversity down the core-edge gradient of a marine macroalga. <i>Ecosphere</i> , 2015, 6, 1-25.	1.0	39
42	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
43	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
44	Wider sampling reveals a non-sister relationship for geographically contiguous lineages of a marine mussel. <i>Ecology and Evolution</i> , 2014, 4, 2070-2081.	0.8	33
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	Love Thy Neighbour: Group Properties of Gaping Behaviour in Mussel Aggregations. <i>PLoS ONE</i> , 2012, 7, e47382.	1.1	57
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, 2101791285670501.	0.6	0
54	The combination of selection and dispersal helps explain genetic structure in intertidal mussels. <i>Oecologia</i> , 2011, 165, 947-958.	0.9	54

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55	Adaptive Traits Are Maintained on Steep Selective Gradients despite Gene Flow and Hybridization in the Intertidal Zone. PLoS ONE, 2011, 6, e19402.	1.1	86
56	Differential reproductive investment, attachment strength and mortality of invasive and indigenous mussels across heterogeneous environments. Biological Invasions, 2010, 12, 2165-2177.	1.2	43
57	The role of gaping behaviour in habitat partitioning between coexisting intertidal mussels. BMC Ecology, 2010, 10, 17.	3.0	64
58	Effects of Endolithic Parasitism on Invasive and Indigenous Mussels in a Variable Physical Environment. PLoS ONE, 2009, 4, e6560.	1.1	40
59	Sand and wave induced mortality in invasive ( <i>Mytilus galloprovincialis</i> ) and indigenous ( <i>Perna perna</i> ) mussels. Marine Biology, 2008, 153, 853-858.	0.7	59
60	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.	0.9	27
61	Coastal topography drives genetic structure in marine mussels. Marine Ecology - Progress Series, 2008, 368, 189-195.	0.9	46
62	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. Marine Ecology - Progress Series, 2007, 334, 155-163.	0.9	91
63	Behavioural response of invasive <i>Mytilus galloprovincialis</i> and indigenous <i>Perna perna</i> mussels exposed to risk of predation. Marine Ecology - Progress Series, 2007, 336, 169-175.	0.9	36
64	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. Marine Biology, 2006, 148, 1031-1038.	0.7	33
65	Hydrodynamic stress and habitat partitioning between indigenous ( <i>Perna perna</i> ) and invasive ( <i>Mytilus</i> )	0.7	182