

# Karl D Castillo

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

920  
citations

516710

16  
h-index

713466

21  
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26  
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26  
docs citations

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times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	The reef-building coral <i>Siderastrea siderea</i> exhibits parabolic responses to ocean acidification and warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141856.	2.6	117
2	Thermal and pCO <sub>2</sub> Stress Elicit Divergent Transcriptomic Responses in a Resilient Coral. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	109
3	Decline of forereef corals in response to recent warming linked to history of thermal exposure. <i>Nature Climate Change</i> , 2012, 2, 756-760.	18.8	104
4	Impacts of seawater saturation state ( $\Omega_A = 0.4\text{--}4.6$ ) and temperature (10, 25 °C) on the dissolution kinetics of whole-shell biogenic carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 192, 318-337.	3.9	72
5	Symbiodinium Functional Diversity in the Coral <i>Siderastrea siderea</i> Is Influenced by Thermal Stress and Reef Environment, but Not Ocean Acidification. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	71
6	Comparison of in situ and satellite-derived (MODIS/Aqua/Terra) methods for assessing temperatures on coral reefs. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 107-117.	2.0	66
7	Population structure and connectivity of the mountainous star coral, <i>Orbicella faveolata</i> , throughout the wider Caribbean region. <i>Ecology and Evolution</i> , 2017, 7, 9234-9246.	1.9	49
8	Differential disease incidence and mortality of inner and outer reef corals of the upper Florida Keys in association with a white syndrome outbreak. <i>Bulletin of Marine Science</i> , 2019, 95, 305-316.	0.8	47
9	Declining Coral Skeletal Extension for Forereef Colonies of <i>Siderastrea siderea</i> on the Mesoamerican Barrier Reef System, Southern Belize. <i>PLoS ONE</i> , 2011, 6, e14615.	2.5	43
10	Intrareef variations in Li/Mg and Sr/Ca sea surface temperature proxies in the Caribbean reef-building coral <i>Siderastrea siderea</i> . <i>Paleoceanography</i> , 2016, 31, 1315-1329.	3.0	34
11	Temperature Regimes Impact Coral Assemblages along Environmental Gradients on Lagoonal Reefs in Belize. <i>PLoS ONE</i> , 2016, 11, e0162098.	2.5	31
12	Heterotrophy mitigates the response of the temperate coral <i>Oculina arbuscula</i> to temperature stress. <i>Ecology and Evolution</i> , 2016, 6, 6758-6769.	1.9	30
13	Next-century ocean acidification and warming both reduce calcification rate, but only acidification alters skeletal morphology of reef-building coral <i>Siderastrea siderea</i> . <i>Scientific Reports</i> , 2016, 6, 29613.	3.3	30
14	Common Caribbean corals exhibit highly variable responses to future acidification and warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182840.	2.6	26
15	Corals sustain growth but not skeletal density across the Florida Keys Reef Tract despite ongoing warming. <i>Global Change Biology</i> , 2018, 24, 5205-5217.	9.5	22
16	Nearshore coral growth declining on the Mesoamerican Barrier Reef System. <i>Global Change Biology</i> , 2019, 25, 3932-3945.	9.5	21
17	Meta-Analysis Reveals Reduced Coral Calcification Under Projected Ocean Warming but Not Under Acidification Across the Caribbean Sea. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	20
18	Exposure duration modulates the response of Caribbean corals to global change stressors. <i>Limnology and Oceanography</i> , 2021, 66, 3100-3115.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Patterns of environmental variability influence coral-associated bacterial and algal communities on the Mesoamerican Barrier Reef. <i>Molecular Ecology</i> , 2020, 29, 2334-2348.	3.9	6
20	High resolution spatiotemporal patterns of seawater temperatures across the Belize Mesoamerican Barrier Reef. <i>Scientific Data</i> , 2020, 7, 396.	5.3	4
21	Eukaryotic plankton communities across reef environments in Bocas del Toro Archipelago, Panamá. <i>Coral Reefs</i> , 2020, 39, 1453-1467.	2.2	2