Lorenzo Alvarez-Filip

List of Publications by Year
in descending order

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53 papers	3,982 citations	201575 27 h-index	189801 50 g-index
58 all docs	58 docs citations	58 times ranked	3150 citing authors

#	Article	IF	Citations
1	Flattening of Caribbean coral reefs: region-wide declines in architectural complexity. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3019-3025.	1.2	681
2	Evaluating lifeâ€history strategies of reef corals from species traits. Ecology Letters, 2012, 15, 1378-1386.	3.0	520
3	Caribbean Corals in Crisis: Record Thermal Stress, Bleaching, and Mortality in 2005. PLoS ONE, 2010, 5, e13969.	1.1	517
4	Loss of coral reef growth capacity to track future increases in sea level. Nature, 2018, 558, 396-400.	13.7	250
5	Shifts in coral-assemblage composition do not ensure persistence of reef functionality. Scientific Reports, 2013, 3, 3486.	1.6	175
6	Massive Influx of Pelagic Sargassum spp. on the Coasts of the Mexican Caribbean 2014â€“2020: Challenges and Opportunities. Water (Switzerland), 2020, 12, 2908.	1.2	134
7	A rapid spread of the stony coral tissue loss disease outbreak in the Mexican Caribbean. PeerJ, 2019, 7, e8069.	0.9	123
8	Changing geoâ€ecological functions of coral reefs in the Anthropocene. Functional Ecology, 2019, 33, 976-988.	1.7	113
9	Coral identity underpins architectural complexity on Caribbean reefs. , 2011, 21, 2223-2231.		105
10	The dynamics of architectural complexity on coral reefs under climate change. Global Change Biology, 2015, 21, 223-235.	4.2	85
11	Complex reef architecture supports more small-bodied fishes and longer food chains on Caribbean reefs. Ecosphere, 2011, 2, art118.	1.0	82
12	Region-wide temporal and spatial variation in Caribbean reef architecture: is coral cover the whole story?. Global Change Biology, 2011, 17, 2470-2477.	4.2	81
13	Drivers of region-wide declines in architectural complexity on Caribbean reefs. Coral Reefs, 2011, 30, 1051-1060.	0.9	81
14	A framework for measuring coral species-specific contribution to reef functioning in the Caribbean. Ecological Indicators, 2018, 95, 877-886.	2.6	71
15	Rapidly increasing macroalgal cover not related to herbivorous fishes on Mesoamerican reefs. PeerJ, 2016, 4, e2084.	0.9	69
16	Temporal changes in the composition and biomass of beached pelagic Sargassum species in the Mexican Caribbean. Aquatic Botany, 2020, 167, 103275.	0.8	68
17	Simplification of Caribbean Reef-Fish Assemblages over Decades of Coral Reef Degradation. PLoS ONE, 2015, 10, e0126004.	1.1	68
18	Assessment of Acropora palmata in the Mesoamerican Reef System. PLoS ONE, 2014, 9, e96140.	1.1	63

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19	Local human activities limit marine protection efficacy on Caribbean coral reefs. Conservation Letters, 2018, 11, e12571.	2.8	59
20	Reef-scale impacts of the stony coral tissue loss disease outbreak. Coral Reefs, 2020, 39, 861-866.	0.9	47
21	Community structure of fishes in Cabo Pulmo Reef, Gulf of California. Marine Ecology, 2006, 27, 253-262.	0.4	46
22	Coral reef systems of the Mexican Caribbean: Status, recent trends and conservation. Marine Pollution Bulletin, 2019, 140, 616-625.	2.3	43
23	Functional consequences of the long-term decline of reef-building corals in the Caribbean: evidence of across-reef functional convergence. Royal Society Open Science, 2019, 6, 190298.	1.1	43
24	Carbonate budgets as indicators of functional reef â€œhealthâ€: A critical review of data underpinning census-based methods and current knowledge gaps. Ecological Indicators, 2020, 110, 105857.	2.6	42
25	Stony coral tissue loss disease decimated Caribbean coral populations and reshaped reef functionality. Communications Biology, 2022, 5, .	2.0	38
26	Pelagic Sargassum as an emerging vector of high rate carbonate sediment import to tropical Atlantic coastlines. Global and Planetary Change, 2020, 195, 103332.	1.6	33
27	Recovery disparity between coral cover and the physical functionality of reefs with impaired coral assemblages. Global Change Biology, 2021, 27, 640-651.	4.2	33
28	Habitat degradation alters trophic pathways but not food chain length on shallow Caribbean coral reefs. Scientific Reports, 2018, 8, 4109.	1.6	32
29	A meta-analysis to assess long-term spatiotemporal changes of benthic coral and macroalgae cover in the Mexican Caribbean. Scientific Reports, 2020, 10, 8897.	1.6	30
30	Herbivory facilitates growth of a key reefâ€building Caribbean coral. Ecology and Evolution, 2017, 7, 11246-11256.	0.8	30
31	Effects of the Stony Coral Tissue Loss Disease Outbreak on Coral Communities and the Benthic Composition of Cozumel Reefs. Frontiers in Marine Science, 2021, 8, .	1.2	27
32	Impacts of a changing environment on marginal coral reefs in the Tropical Southwestern Atlantic. Ocean and Coastal Management, 2021, 210, 105692.	2.0	25
33	Diversity and abundance of conspicuous macrocrustaceans on coral reefs differing in level of degradation. PeerJ, 2018, 6, e4922.	0.9	25
34	Effects of Hurricanes Emily and Wilma on coral reefs in Cozumel, Mexico. Coral Reefs, 2006, 25, 583-583.	0.9	13
35	Does reef architectural complexity influence resource availability for a large reef-dwelling invertebrate?. Journal of Sea Research, 2017, 128, 84-91.	0.6	12
36	Two decades of carbonate budget change on shifted coral reef assemblages: are these reefs being locked into low net budget states?. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202305.	1.2	12

#	Article	IF	Citations
37	The Mexican Caribbean: From Xcalak to Holbox. , 2019, , 637-653.		10
38	Community Structure of Scleractinian Corals outside Protected Areas in Cozumel Island, Mexico. Atoll Research Bulletin, 2014, 600, 1-13.	0.2	10
39	Puerto Morelos Coral Reefs, Their Current State and Classification by a Scoring System. Diversity, 2020, 12, 272.	0.7	9
40	The no-take zone network of the Mexican Caribbean: assessing design and management for the protection of coral reef fish communities. Biodiversity and Conservation, 2020, 29, 2069-2087.	1.2	8
41	Influence of shelter availability on interactions between Caribbean spiny lobsters and moray eels: implications for artificial lobster enhancement. Marine Ecology - Progress Series, 2010, 400, 175-185.	0.9	8
42	Functional potential of coral assemblages along a typical Eastern Tropical Pacific reef tract. Ecological Indicators, 2020, 119, 106795.	2.6	7
43	Fish diversity divergence between tropical eastern pacific and tropical western Atlantic coral reefs. Environmental Biology of Fishes, 2020, 103, 1323-1341.	0.4	7
44	The role of geomorphic zonation in long-term changes in coral-community structure on a Caribbean fringing reef. PeerJ, 2020, 8, e10103.	0.9	7
45	Coral Reef Degradation Differentially Alters Feeding Ecology of Co-occurring Congeneric Spiny Lobsters. Frontiers in Marine Science, 2019, 5, .	1.2	4
46	Coral Reef Recovery in the Mexican Caribbean after 2005 Mass Coral Mortalityâ€"Potential Drivers. Diversity, 2020, 12, 338.	0.7	4
47	Diversity of Coral Reef Fishes in the Western Indian Ocean: Implications for Conservation. Diversity, 2022, 14, 102.	0.7	4
48	Functional divergence from ecological baselines on Caribbean coral reefs. Ecography, 2022, 2022, .	2.1	4
49	Geomorphically controlled coral distribution in degraded shallow reefs of the Western Caribbean. PeerJ, 2022, 10, e12590.	0.9	4
50	Coverage Increases of Porites astreoides in Grenada Determined by Shifts in Size-Frequency Distribution. Diversity, 2021, 13, 288.	0.7	3
51	Latitudinal variation in structure and function of conspicuous reef fish assemblages along the western Gulf of California. Revista Mexicana De Biodiversidad, 2018, 89, .	0.4	2
52	Dataset of coral reefs monitoring, Puerto Morelos, Mexico, 2019. Data in Brief, 2022, 42, 108253.	0.5	1
53	New records of the Townsend angelfish (Holacanthus bermudensis X H. ciliarishybrid) and range extension of the Blue angelfish (H. bermudensis) in the Caribbean Sea. Caribbean Journal of Science, 2010, 46, 339-345.	0.2	0