Ernesto Weil

List of Publications by Year
in descending order

93 papers	7,712 citations	101543 36 h-index	56724 83 g-index
101 all docs	101 docs citations	101 times ranked	6807 citing authors

#	Article	IF	Citations
1	A biological condition gradient for coral reefs in the US Caribbean Territories: Part I. Coral narrative rules. Ecological Indicators, 2022, 138, 108805.	6.3	4
2	Polychaetes (Annelida, Polychaeta) Associated with Mesophotic Coral Ecosystems in Puerto Rico and the U.S. Virgin Islands. Caribbean Journal of Science, 2022, 52, .	0.3	0
3	What does resilience sound like? Coral reef and dry forest acoustic communities respond differently to Hurricane Maria. Ecological Indicators, 2021, 126, 107635.	6.3	16
4	Similarities and Differences Between Two Deadly Caribbean Coral Diseases: White Plague and Stony Coral Tissue Loss Disease. Frontiers in Marine Science, 2021, 8, .	2.5	12
5	Intra-Annual Variation in Mesophotic Benthic Assemblages on the Insular Slope of Southwest Puerto Rico as a Function of Depth and Geomorphology. Frontiers in Marine Science, 2021, 8, .	2.5	3
6	Warming and pollutants interact to modulate octocoral immunity and shape disease outcomes. Ecological Applications, 2020, 30, e02024.	3.8	11
7	Deciphering Coral Disease Dynamics: Integrating Host, Microbiome, and the Changing Environment. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	58
8	Assessing the long-term effects of a catastrophic oil spill on subtidal coral reef communities off the Caribbean coast of Panama (1985â€“2017). Marine Biodiversity, 2020, 50, 1.	1.0	18
9	Ecological Factors Mediate Immunity and Parasitic Co-Infection in Sea Fan Octocorals. Frontiers in Immunology, 2020, 11, 608066.	4.8	4
10	Lack of recovery of the long-spined sea urchin Diadema antillarum Philippi in Puerto Rico 33 years after the Caribbean-wide mass mortality. PeerJ, 2020, 8, e8428.	2.0	13
11	Growth dynamics in Acropora cervicornis and A. prolifera in southwest Puerto Rico. PeerJ, 2020, 8, e8435.	2.0	8
12	Coral and Cnidarian Welfare in a Changing Sea. Animal Welfare, 2019, , 123-145.	1.0	0
13	Disease Problems. Coral Reefs of the World, 2019, , 779-800.	0.7	15
14	Octocoral co-infection as a balance between host immunity and host environment. Oecologia, 2018, 186, 743-753.	2.0	13
15	Population connectivity of the plating coral Agaricia lamarcki from southwest Puerto Rico. Coral Reefs, 2018, 37, 183-191.	2.2	23
16	Life or death: disease-tolerant coral species activate autophagy following immune challenge. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170771.	2.6	73
17	Octocoral Diseases in a Changing Ocean. , 2017, , 1109-1163.		7
18	Widespread local chronic stressors in Caribbean coastal habitats. PLoS ONE, 2017, 12, e0188564.	2.5	10

#	Article	IF	Citations
19	Symbiodinium (internal transcribed spacer 2) diversity in the coral host Agaricia lamarcki (Cnidaria:) Tj ETQq1 1 0.784314 rgBT /Overl Ecology, 2016, 37, 1079-1087.	1.1	20
20	Associations between transcriptional changes and protein phenotypes provide insights into immune regulation in corals. Developmental and Comparative Immunology, 2016, 62, 17-28.	2.3	32
21	Managing marine disease emergencies in an era of rapid change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150364.	4.0	109
22	Mesophotic coral ecosystems under anthropogenic stress: a case study at Ponce, Puerto Rico. Coral Reefs, 2016, 35, 63-75.	2.2	56
23	Recent recovery in Acropora cervicornis and abundance of A. prolifera off La Parguera, Puerto Rico. Marine Biodiversity, 2016, 46, 531-532.	1.0	6
24	Octocoral Diseases in a Changing Ocean. , 2016, , 1-55.		6
25	RNA-Seq of the Caribbean reef-building coralOrbicella faveolata(Scleractinia-Merulinidae) under bleaching and disease stress expands models of coral innate immunity. PeerJ, 2016, 4, e1616.	2.0	56
26	Sexual reproduction in the Caribbean coral genusIsophyllia(Scleractinia: Mussidae). PeerJ, 2016, 4, e2665.	2.0	5
27	Metatranscriptome analysis of the reef-building coral Orbicella faveolata indicates holobiont response to coral disease. Frontiers in Marine Science, 2015, 2, .	2.5	61
28	Emergency response for marine diseases. Science, 2015, 347, 1210-1210.	12.6	8
29	Persistent shifts in <scp>C</scp>aribbean coral microbiota are linked to the 2010 warm thermal anomaly. Environmental Microbiology Reports, 2015, 7, 471-479.	2.4	33
30	Whole transcriptome analysis reveals changes in expression of immune-related genes during and after bleaching in a reef-building coral. Royal Society Open Science, 2015, 2, 140214.	2.4	189
31	Projections of climate conditions that increase coral disease susceptibility and pathogen abundance and virulence. Nature Climate Change, 2015, 5, 688-694.	18.8	252
32	Development and application of molecular biomarkers for characterizing Caribbean Yellow Band Disease inOrbicella faveolata. PeerJ, 2015, 3, e1371.	2.0	12
33	Caribbean-Wide, Long-Term Study of Seagrass Beds Reveals Local Variations, Shifts in Community Structure and Occasional Collapse. PLoS ONE, 2014, 9, e90600.	2.5	67
34	Natural Prey Preferences and Spatial Variability of Predation Pressure by Cyphoma gibbosum (Mollusca: Gastropoda) on Octocoral Communities off La Parguera, Puerto Rico. International Scholarly Research Notices, 2014, 2014, 1-13.	0.9	6
35	Morphological and genetic evaluation of the hydrocoral Millepora species complex in the Caribbean. Zoological Studies, 2014, 53, .	0.3	25
36	Bacterial profiling of <scp>W</scp>hite <scp>P</scp>lague Disease across corals and oceans indicates a conserved and distinct disease microbiome. Molecular Ecology, 2014, 23, 965-974.	3.9	83

#	Article	IF	Citations
37	Climate Change Influences on Marine Infectious Diseases: Implications for Management and Society. Annual Review of Marine Science, 2014, 6, 249-277.	11.6	484
38	Spatial and Temporal Variability of Caribbean Yellow Band Disease Prevalence inOrbicellaspp. off La Parguera, Puerto Rico. Caribbean Journal of Science, 2014, 48, 81-102.	0.3	2
39	Relationship between Phylogeny and Immunity Suggests Older Caribbean Coral Lineages Are More Resistant to Disease. PLoS ONE, 2014, 9, e104787.	2.5	37
40	Diversidad y abundancia relativa de corales, octocorales y esponjas en el Parque Nacional Jaragua, RepÃºblica Dominicana. Revista De Biologia Tropical, 2014, 54, 423.	0.4	10
41	The link between immunity and life history traits in scleractinian corals. PeerJ, 2014, 2, e628.	2.0	38
42	Temporal dynamics and plasticity in the cellular immune response of the sea fan coral, Gorgonia ventalina. Marine Biology, 2013, 160, 2449-2460.	1.5	14
43	The <scp>M</scp>ontastraea faveolata microbiome: ecological and temporal influences on a <scp>C</scp>aribbean reefâ€building coral in decline. Environmental Microbiology, 2013, 15, 2082-2094.	3.8	80
44	Erratum to â€œIncidence and Spatial Distribution of Caribbean Yellow Band Disease in La Parguera, Puerto Ricoâ€. Journal of Marine Biology, 2013, 2013, 1-2.	1.0	0
45	Threats to Coral Reefs of Bermuda. Coral Reefs of the World, 2013, , 173-188.	0.7	25
46	Hyperspectral Sensing of Disease Stress in the Caribbean Reef-Building Coral, Orbicella faveolata - Perspectives for the Field of Coral Disease Monitoring. PLoS ONE, 2013, 8, e81478.	2.5	18
47	Global coral disease prevalence associated with sea temperature anomalies and local factors. Diseases of Aquatic Organisms, 2012, 100, 249-261.	1.0	145
48	Incidence and Spatial Distribution of Caribbean Yellow Band Disease in La Parguera, Puerto Rico. Journal of Marine Biology, 2012, 2012, 1-7.	1.0	4
49	Connectivity of Caribbean coral populations: complementary insights from empirical and modelled gene flow. Molecular Ecology, 2012, 21, 1143-1157.	3.9	162
50	Polymorphism in a common Atlantic reef coral (Montastraea cavernosa) and its long-term evolutionary implications. Evolutionary Ecology, 2012, 26, 265-290.	1.2	25
51	Extended geographic distribution of several Indo-Pacific coral reef diseases. Diseases of Aquatic Organisms, 2012, 98, 163-170.	1.0	50
52	Friend or foe: the association of Labyrinthulomycetes with the Caribbean sea fan Gorgonia ventalina. Diseases of Aquatic Organisms, 2012, 101, 1-12.	1.0	28
53	Cryptic Species Within the Atlantic-Caribbean Genus <I>Meandrina</I> (Scleractinia): A Multidisciplinary Approach and Description of the New Species <I>Meandrina jacksoni</I>. Bulletin of Marine Science, 2011, 87, 823-853.	0.8	14
54	Coral Reef Diseases in the Atlantic-Caribbean. , 2011, , 465-491.		82

#	Article	IF	Citations
55	Comparative aspects of sexual reproduction in the Caribbean coral genus Diploria (Scleractinia:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.5	17
56	Antimicrobial Resistance of the Coral Pathogen Vibrio coralliilyticus and Caribbean Sister Phylotypes Isolated from a Diseased Octocoral. Microbial Ecology, 2010, 59, 646-657.	2.8	44
57	Octocoral bleaching during unusual thermal stress. Coral Reefs, 2010, 29, 41-45.	2.2	75
58	Community ecology of mesophotic coral reef ecosystems. Coral Reefs, 2010, 29, 255-275.	2.2	386
59	Geomorphology and benthic cover of mesophotic coral ecosystems of the upper insular slope of southwest Puerto Rico. Coral Reefs, 2010, 29, 347-360.	2.2	67
60	Microbial functional structure of Montastraea faveolata, an important Caribbean reefâ€building coral, differs between healthy and yellowâ€band diseased colonies. Environmental Microbiology, 2010, 12, 541-556.	3.8	166
61	Marine Biodiversity in the Caribbean: Regional Estimates and Distribution Patterns. PLoS ONE, 2010, 5, e11916.	2.5	232
62	Caribbean Corals in Crisis: Record Thermal Stress, Bleaching, and Mortality in 2005. PLoS ONE, 2010, 5, e13969.	2.5	517
63	Spatial variability in distribution and prevalence of Caribbean scleractinian coral and octocoral diseases. I. Community-level analysis. Diseases of Aquatic Organisms, 2009, 83, 195-208.	1.0	68
64	Bacterial diversity and White Plague Disease-associated community changes in the Caribbean coral Montastraea faveolata. ISME Journal, 2009, 3, 512-521.	9.8	364
65	Climate change and wildlife diseases: When does the host matter the most?. Ecology, 2009, 90, 912-920.	3.2	267
66	Yellow band disease compromises the reproductive output of the Caribbean reef-building coral Montastraea faveolata (Anthozoa, Scleractinia). Diseases of Aquatic Organisms, 2009, 87, 45-55.	1.0	60
67	Temporal variability and impact of coral diseases and bleaching in La Parguera, Puerto Rico from 2003â€“2007. Caribbean Journal of Science, 2009, 45, 221-246.	0.3	72
68	Spatial and temporal patterns in reef sediment accumulation and composition, southwestern insular shelf of Puerto Rico. Caribbean Journal of Science, 2009, 45, 138-150.	0.3	15
69	Variability of aspergillosis inGorgonia ventalinain La Parguera, Puerto Rico. Caribbean Journal of Science, 2009, 45, 215-220.	0.3	11
70	Spatial and temporal variability in juvenile coral densities, survivorship and recruitment in La Parguera, southwestern Puerto Rico. Caribbean Journal of Science, 2009, 45, 269-281.	0.3	20
71	Macroalgae Has No Effect on the Severity and Dynamics of Caribbean Yellow Band Disease. PLoS ONE, 2009, 4, e4514.	2.5	16
72	Spatial variability in distribution and prevalence of Caribbean scleractinian coral and octocoral diseases. II. Genera-level analysis. Diseases of Aquatic Organisms, 2009, 83, 209-222.	1.0	55

#	Article	IF	Citations
73	Immune defenses of healthy, bleached and diseased Montastraea faveolata during a natural bleaching event. Diseases of Aquatic Organisms, 2009, 87, 67-78.	1.0	134
74	Changes in Caribbean coral disease prevalence after the 2005 bleaching event. Diseases of Aquatic Organisms, 2009, 87, 33-43.	1.0	89
75	Enhanced ultraviolet radiation can terminate sexual reproduction in the broadcasting coral species Acropora cervicornis Lamarck. Journal of Experimental Marine Biology and Ecology, 2008, 358, 39-45.	1.5	16
76	One-Third of Reef-Building Corals Face Elevated Extinction Risk from Climate Change and Local Impacts. Science, 2008, 321, 560-563.	12.6	1,142
77	Biology and Ecology of Puerto Rican Coral Reefs. , 2008, , 375-406.		33
78	A newly documented species of Madracis (Scleractinia: Pocilloporidae) from the Caribbean. Proceedings of the Biological Society of Washington, 2007, 120, 214-226.	0.3	20
79	Bacterial communities associated with the mucopolysaccharide layers of three coral species affected and unaffected with dark spots disease. Canadian Journal of Microbiology, 2007, 53, 465-471.	1.7	27
80	Coral Disease, Environmental Drivers, and the Balance Between Coral and Microbial Associates. Oceanography, 2007, 20, 172-195.	1.0	392
81	INTRODUCTION Status and progress in coral reef disease research Ernesto Weil1,*, Garriet Smith2, Diego L. Gil-Agudelo3. Diseases of Aquatic Organisms, 2006, 69, 1-7.	1.0	226
82	Evaluation of thermal acclimation capacity in corals with different thermal histories based on catalase concentrations and antioxidant potentials. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 144, 155-162.	1.8	31
83	Coralline white band syndrome, a coralline algal affliction in the tropical Atlantic. Coral Reefs, 2005, 24, 117-117.	2.2	15
84	Population characteristics of the sea urchin Diadema antillarum in La Parguera, Puerto Rico, 17 years after the mass mortality event. Revista De Biologia Tropical, 2005, 53 Suppl 3, 219-31.	0.4	10
85	A Conceptual Framework to Develop Long-Term Ecological Research and Management Objectives in the Wider Caribbean Region. BioScience, 2004, 54, 843.	4.9	56
86	Aspergillosis of Gorgonians. , 2004, , 279-287.		45
87	Dark Spots Disease and Yellow Band Disease, Two Poorly Known Coral Diseases with High Incidence in Caribbean Reefs. , 2004, , 337-349.		32
88	Coral Reef Diseases in the Wider Caribbean. , 2004, , 35-68.		206
89	The corals and coral reefs of Venezuela. , 2003, , 303-330.		15
90	Examination of the Montastraea annularis Species Complex (Cnidaria: Scleractinia) Using ITS and COI Sequences. Marine Biotechnology, 1999, 1, 89-97.	2.4	98

#	Article	IF	Citations
91	Short-term ecological consequences of a major oil spill on Panamanian subtidal reef corals. Coral Reefs, 1991, 10, 1-12.	2.2	98
92	Spatial Variations in Density and Size of the Echinoid Diadema Antillarum Philippi on some Venezuelan Coral Reefs. Bijdragen Tot De Dierkunde, 1984, 54, 73-82.	0.2	15
93	The Zoeal Stages of the Decorator Crab Stenocionops Furcatus Coelatus (a. Milne Edwards, 1878)	0.3	3