

Todd C Lajeunesse

List of Publications by Year in descending order

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90
papers

12,076
citations

31902

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docs citations

96
times ranked

4029
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic Revision of Symbiodiniaceae Highlights the Antiquity and Diversity of Coral Endosymbionts. <i>Current Biology</i> , 2018, 28, 2570-2580.e6.	1.8	1,242
2	Diversity and community structure of symbiotic dinoflagellates from Caribbean coral reefs. <i>Marine Biology</i> , 2002, 141, 387-400.	0.7	609
3	INVESTIGATING THE BIODIVERSITY, ECOLOGY, AND PHYLOGENY OF ENDOSYMBIOTIC DINOFLAGELLATES IN THE GENUS SYMBIODINIUM USING THE ITS REGION: IN SEARCH OF A "SPECIES" LEVEL MARKER. <i>Journal of Phycology</i> , 2001, 37, 866-880.	1.0	597
4	Low symbiont diversity in southern Great Barrier Reef corals, relative to those of the Caribbean. <i>Limnology and Oceanography</i> , 2003, 48, 2046-2054.	1.6	403
5	â€œSpeciesâ€•Radiations of Symbiotic Dinoflagellates in the Atlantic and Indo-Pacific Since the Miocene-Pliocene Transition. <i>Molecular Biology and Evolution</i> , 2005, 22, 570-581.	3.5	374
6	Biogeography of two species of Symbiodinium (Freudenthal) inhabiting the intertidal sea anemone <i>Anthopleura elegantissima</i> (Brandt). <i>Biological Bulletin</i> , 2000, 199, 126-134.	0.7	367
7	Different algal symbionts explain the vertical distribution of dominant reef corals in the eastern Pacific. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1757-1763.	1.2	366
8	Multi-year, seasonal genotypic surveys of coral-algal symbioses reveal prevalent stability or post-bleaching reversion. <i>Marine Biology</i> , 2006, 148, 711-722.	0.7	354
9	Longâ€standing environmental conditions, geographic isolation and hostâ€symbiont specificity influence the relative ecological dominance and genetic diversification of coral endosymbionts in the genus <i>Symbiodinium</i> . <i>Journal of Biogeography</i> , 2010, 37, 785-800.	1.4	342
10	Closely related <i>Symbiodinium</i> spp. differ in relative dominance in coral reef host communities across environmental, latitudinal and biogeographic gradients. <i>Marine Ecology - Progress Series</i> , 2004, 284, 147-161.	0.9	312
11	Assessing <i>Symbiodinium</i> diversity in scleractinian corals via nextâ€generation sequencingâ€based genotyping of the ITS2 <i>rDNA</i> region. <i>Molecular Ecology</i> , 2014, 23, 4418-4433.	2.0	284
12	Measuring rDNA diversity in eukaryotic microbial systems: how intragenomic variation, pseudogenes, and PCR artifacts confound biodiversity estimates. <i>Molecular Ecology</i> , 2007, 16, 5326-5340.	2.0	267
13	High diversity and host specificity observed among symbiotic dinoflagellates in reef coral communities from Hawaii. <i>Coral Reefs</i> , 2004, 23, 596.	0.9	250
14	Outbreak and persistence of opportunistic symbiotic dinoflagellates during the 2005 Caribbean mass coral â€bleachingâ€™ event. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4139-4148.	1.2	240
15	Hostâ€symbiont recombination versus natural selection in the response of coralâ€dinoflagellate symbioses to environmental disturbance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2925-2934.	1.2	230
16	SYMBIODINIUM (PYRRHOPHYTA) GENOME SIZES (DNA CONTENT) ARE SMALLEST AMONG DINOFLAGELLATES1. <i>Journal of Phycology</i> , 2005, 41, 880-886.	1.0	214
17	HOST-SPECIALIST LINEAGES DOMINATE THE ADAPTIVE RADIATION OF REEF CORAL ENDOSYMBIONTS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 352-367.	1.1	212
18	SymPortal: A novel analytical framework and platform for coral algal symbiont nextâ€generation sequencing <i>ITS2</i> profiling. <i>Molecular Ecology Resources</i> , 2019, 19, 1063-1080.	2.2	205

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19	Improved Resolution of Reef-Coral Endosymbiont (<i>Symbiodinium</i>) Species Diversity, Ecology, and Evolution through psbA Non-Coding Region Genotyping. <i>PLoS ONE</i> , 2011, 6, e29013.	1.1	201
20	The Relative Significance of Hostâ€“Habitat, Depth, and Geography on the Ecology, Endemism, and Speciation of Coral Endosymbionts in the Genus <i>Symbiodinium</i> . <i>Microbial Ecology</i> , 2010, 60, 250-263.	1.4	190
21	Microbial invasion of the Caribbean by an Indo-Pacific coral zooxanthella. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7513-7518.	3.3	190
22	Cohesive molecular genetic data delineate species diversity in the dinoflagellate genus <i>Symbiodinium</i> . <i>Molecular Ecology</i> , 2009, 18, 500-519.	2.0	183
23	A geneticsâ€“based description of <i>Symbiodinium minutum</i> sp. nov. and <i>S. psygmophilum</i> sp. nov. (Dinophyceae), two dinoflagellates symbiotic with cnidaria. <i>Journal of Phycology</i> , 2012, 48, 1380-1391.	1.0	172
24	Ecologically differentiated stress-tolerant endosymbionts in the dinoflagellate genus <i>Symbiodinium</i> (Dinophyceae) Clade D are different species. <i>Phycologia</i> , 2014, 53, 305-319.	0.6	171
25	The ecological distribution and comparative photobiology of symbiotic dinoflagellates from reef corals in Belize: Potential implications for coral bleaching. <i>Limnology and Oceanography</i> , 2006, 51, 1887-1897.	1.6	163
26	Considerations for maximizing the adaptive potential of restored coral populations in the western Atlantic. <i>Ecological Applications</i> , 2019, 29, e01978.	1.8	163
27	Biogeography and molecular diversity of coral symbionts in the genus <i>Symbiodinium</i> around the Arabian Peninsula. <i>Journal of Biogeography</i> , 2017, 44, 674-686.	1.4	160
28	The synthesis of mycosporine-like amino acids (MAAs) by cultured, symbiotic dinoflagellates. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 249, 219-233.	0.7	148
29	Species delimitation of common reef corals in the genus <i>Pocillopora</i> using nucleotide sequence phylogenies, population genetics and symbiosis ecology. <i>Molecular Ecology</i> , 2011, 20, 311-325.	2.0	147
30	Gene Expression Variation Resolves Species and Individual Strains among Coral-Associated Dinoflagellates within the Genus <i>Symbiodinium</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 665-680.	1.1	144
31	Blind to morphology: genetics identifies several widespread ecologically common species and few endemics among Indoâ€“Pacific cauliflower corals (<i>Pocillopora</i> , Scleractinia). <i>Journal of Biogeography</i> , 2013, 40, 1595-1608.	1.4	133
32	Biogeographic partitioning and host specialization among foraminiferan dinoflagellate symbionts (<i>Symbiodinium</i> ; Dinophyta). <i>Marine Biology</i> , 2004, 146, 17-27.	0.7	128
33	New insights into the dynamics between reef corals and their associated dinoflagellate endosymbionts from population genetic studies. <i>Molecular Ecology</i> , 2014, 23, 4203-4215.	2.0	116
34	Specificity and stability in high latitude eastern Pacific coralâ€“algal symbioses. <i>Limnology and Oceanography</i> , 2008, 53, 719-727.	1.6	114
35	Stability of coralâ€“endosymbiont associations during and after a thermal stress event in the southern Great Barrier Reef. <i>Coral Reefs</i> , 2009, 28, 709-713.	0.9	114
36	A Connection between Colony Biomass and Death in Caribbean Reef-Building Corals. <i>PLoS ONE</i> , 2011, 6, e29535.	1.1	112

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37	Most Low-Abundance “Background” Symbiodinium spp. Are Transitory and Have Minimal Functional Significance for Symbiotic Corals. <i>Microbial Ecology</i> , 2016, 71, 771-783.	1.4	103
38	Convergent evolution masks extensive biodiversity among marine coccoid picoplankton. <i>Biodiversity and Conservation</i> , 1997, 6, 99-107.	1.2	97
39	<i>Symbiodinium tridacnidorum</i> sp. nov., a dinoflagellate common to Indo-Pacific giant clams, and a revised morphological description of <i>Symbiodinium microadriaticum</i> Freudenthal, emended Trench & Blank. <i>European Journal of Phycology</i> , 2015, 50, 155-172.	0.9	96
40	Intraspecific diversity among partners drives functional variation in coral symbioses. <i>Scientific Reports</i> , 2015, 5, 15667.	1.6	94
41	The distribution of mycosporine-like amino acids (MAAs) and the phylogenetic identity of symbiotic dinoflagellates in cnidarian hosts from the Mexican Caribbean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 337, 131-146.	0.7	93
42	Genetics and Morphology Characterize the Dinoflagellate <i>Symbiodinium voratum</i> , n. sp., (Dinophyceae) as the Sole Representative of <i>Symbiodinium</i> Clade E. <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 75-94.	0.8	90
43	Phylogenetic Analysis of the SSU rRNA from Members of the Chrysophyceae. <i>Protist</i> , 1999, 150, 71-84.	0.6	83
44	Novel algal symbiont (<i>Symbiodinium</i> spp.) diversity in reef corals of Western Australia. <i>Marine Ecology - Progress Series</i> , 2011, 422, 63-75.	0.9	81
45	Genotypic diversity and spatial-temporal distribution of <i>Symbiodinium</i> clones in an abundant reef coral. <i>Molecular Ecology</i> , 2011, 20, 5197-5212.	2.0	72
46	Host-symbiont combinations dictate the photo-physiological response of reef-building corals to thermal stress. <i>Scientific Reports</i> , 2019, 9, 9985.	1.6	69
47	<i>Symbiodinium glynnii</i> sp. nov., a species of stress-tolerant symbiotic dinoflagellates from pocilloporid and montiporid corals in the Pacific Ocean. <i>Phycologia</i> , 2017, 56, 396-409.	0.6	66
48	Microsatellites from clade B <i>Symbiodinium</i> spp. specialized for Caribbean corals in the genus <i>Madracis</i> . <i>Molecular Ecology Notes</i> , 2007, 7, 1271-1274.	1.7	63
49	<i>Symbiodinium</i> spp. in colonies of eastern Pacific <i>Pocillopora</i> spp. are highly stable despite the prevalence of low-abundance background populations. <i>Marine Ecology - Progress Series</i> , 2012, 462, 1-7.	0.9	63
50	Molecular diversity of the copepod, <i>Nannocalanus minor</i> : Genetic evidence of species and population structure in the North Atlantic Ocean. <i>Journal of Marine Research</i> , 1996, 54, 285-310.	0.3	62
51	Long-Range Dispersal and High-Latitude Environments Influence the Population Structure of a “Stress-Tolerant” Dinoflagellate Endosymbiont. <i>PLoS ONE</i> , 2013, 8, e79208.	1.1	62
52	Natural infections of aposymbiotic <i>Cassiopea xamachana</i> scyphistomae from environmental pools of <i>Symbiodinium</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 338, 50-56.	0.7	57
53	<i>Symbiodinium necroappetens</i> sp. nov. (Dinophyceae): an opportunist “zooxanthella” found in bleached and diseased tissues of Caribbean reef corals. <i>European Journal of Phycology</i> , 2015, 50, 223-238.	0.9	57
54	Three party symbiosis: acoelomorph worms, corals and unicellular algal symbionts in Eilat (Red Sea). <i>Marine Biology</i> , 2007, 151, 1215-1223.	0.7	56

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55	Spring "bleaching" among Pocillopora in the Sea of Cortez, Eastern Pacific. <i>Coral Reefs</i> , 2007, 26, 265-270.	0.9	56
56	Microsatellite loci for assessing genetic diversity, dispersal and clonality of coral symbionts in "stress-tolerant" clade D <i>Symbiodinium</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 1022-1025.	2.2	55
57	New species of Clade B <i>Symbiodinium</i> (Dinophyceae) from the greater Caribbean belong to different functional guilds: <i>S. Aenigmaticum</i> sp. nov., <i>S. Antillogorgium</i> sp. nov., <i>S. Endomadracis</i> sp. nov., and <i>S. Pseudominutum</i> sp. nov.. <i>Journal of Phycology</i> , 2015, 51, 850-858.	1.0	54
58	Transcriptional Response of Two Core Photosystem Genes in <i>Symbiodinium</i> spp. Exposed to Thermal Stress. <i>PLoS ONE</i> , 2012, 7, e50439.	1.1	52
59	Persistence of non-caribbean algal symbionts in Indo-Pacific mushroom corals released to Jamaica 35½ years ago. <i>Coral Reefs</i> , 2005, 24, 157-159.	0.9	51
60	Symbiont specificity and bleaching susceptibility among soft corals in the 1998 Great Barrier Reef mass coral bleaching event. <i>Marine Biology</i> , 2008, 154, 795-804.	0.7	50
61	Contrasting clonal structure among Pocillopora (Scleractinia) communities at two environmentally distinct sites in the Gulf of California. <i>Coral Reefs</i> , 2012, 31, 765-777.	0.9	45
62	Do introduced endosymbiotic dinoflagellates "take" to new hosts?. <i>Biological Invasions</i> , 2009, 11, 995-1003.	1.2	44
63	Extensive transcriptional variation poses a challenge to thermal stress biomarker development for endangered corals. <i>Molecular Ecology</i> , 2018, 27, 1103-1119.	2.0	43
64	STRUCTURE AND EVOLUTION OF THE RDNA INTERNAL TRANSCRIBED SPACER (ITS) REGION 2 IN THE SYMBIOTIC DINOFLAGELLATES (SYMBIODINIUM, DINOPHYTA). <i>Journal of Phycology</i> , 2007, 43, 120-128.	1.0	41
65	Screening intragenomic rDNA for dominant variants can provide a consistent retrieval of evolutionarily persistent ITS (rDNA) sequences. <i>Molecular Phylogenetics and Evolution</i> , 2007, 45, 417-422.	1.2	40
66	Microsatellite loci for <i>Symbiodinium</i> A3 (<i>S. fitti</i>) a common algal symbiont among Caribbean <i>Acropora</i> (stony corals) and Indo-Pacific giant clams (<i>Tridacna</i>). <i>Conservation Genetics Resources</i> , 2011, 3, 45-47.	0.4	38
67	Different functional traits among closely related algal symbionts dictate stress endurance for vital Indo-Pacific reef-building corals. <i>Global Change Biology</i> , 2021, 27, 5295-5309.	4.2	37
68	Sibling species of mutualistic <i>Symbiodinium</i> clade G from bioeroding sponges in the western Pacific and western Atlantic oceans. <i>Journal of Phycology</i> , 2017, 53, 951-960.	1.0	35
69	New Species of Closely Related Endosymbiotic Dinoflagellates in the Greater Caribbean have Niches Corresponding to Host Coral Phylogeny. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 469-482.	0.8	34
70	<i>Miliolidium</i> n. gen, a New Symbiodiniacean Genus Whose Members Associate with Soritid Foraminifera or Are Free-Living. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12856.	0.8	33
71	A comparison of the thermal bleaching responses of the zoanthid <i>Palythoa caribaeorum</i> from three geographically different regions in south Florida. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 335, 266-276.	0.7	32
72	Microsatellite loci for the host-generalist "zooxanthella" <i>Symbiodinium trenchi</i> and other Clade D <i>Symbiodinium</i> . <i>Conservation Genetics Resources</i> , 2011, 3, 541-544.	0.4	30

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73	Endosymbiotic dinoflagellates pump iron: differences in iron and other trace metal needs among the Symbiodiniaceae. <i>Coral Reefs</i> , 2020, 39, 915-927.	0.9	30
74	Revival of <i>Philozoan</i> Geddes for host-specialized dinoflagellates, <i>zooxanthellae</i> TM , in animals from coastal temperate zones of northern and southern hemispheres. <i>European Journal of Phycology</i> , 2022, 57, 166-180.	0.9	30
75	<i>Symbiodinium</i> (<i>Dinophyceae</i>) diversity in reef invertebrates along an offshore to inshore reef gradient near Lizard Island, Great Barrier Reef. <i>Journal of Phycology</i> , 2014, 50, 552-563.	1.0	29
76	Validation and description of <i>Symbiodinium microadriaticum</i> , the type species of <i>Symbiodinium</i> (Dinophyta). <i>Journal of Phycology</i> , 2017, 53, 1109-1114.	1.0	28
77	Mutualistic microalgae co-diversify with reef corals that acquire symbionts during egg development. <i>ISME Journal</i> , 2021, 15, 3271-3285.	4.4	28
78	Symbiodinium population genetics: testing for species boundaries and analysing samples with mixed genotypes. <i>Molecular Ecology</i> , 2016, 25, 2699-2712.	2.0	23
79	Zooxanthellae. <i>Current Biology</i> , 2020, 30, R1110-R1113.	1.8	22
80	Spectral Reflectance of Palauan Reef-Building Coral with Different Symbionts in Response to Elevated Temperature. <i>Remote Sensing</i> , 2016, 8, 164.	1.8	18
81	<i>SYMBIODINIUM</i> (DINOPHYTA) DIVERSITY AND STABILITY IN AQUARIUM CORALS ¹ . <i>Journal of Phycology</i> , 2009, 45, 1030-1036.	1.0	16
82	Ecological and biogeographic implications of <i>Siderastrea</i> symbiotic relationship with <i>Symbiodinium</i> sp. C46 in Sal Island (Cape Verde, East Atlantic Ocean). <i>Marine Biodiversity</i> , 2013, 43, 261-272.	0.3	15
83	Microsatellite loci for <i>Symbiodinium goreau</i> and other Clade C <i>Symbiodinium</i> . <i>Conservation Genetics Resources</i> , 2014, 6, 127-129.	0.4	15
84	<i>Cladocopium infistulum</i> sp. nov. (Dinophyceae), a thermally tolerant dinoflagellate symbiotic with giant clams from the western Pacific Ocean. <i>Phycologia</i> , 2020, 59, 515-526.	0.6	14
85	Photosynthesis by symbiotic sponges enhances their ability to erode calcium carbonate. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019, 516, 140-149.	0.7	13
86	Iron Availability Modulates the Response of Endosymbiotic Dinoflagellates to Heat Stress. <i>Journal of Phycology</i> , 2021, 57, 3-13.	1.0	11
87	The reticulated chloroplasts of zooxanthellae (<i>Symbiodinium</i>) and differences in chlorophyll localization among life cycle stages. <i>Coral Reefs</i> , 2010, 29, 627-627.	0.9	9
88	An Indo-West Pacific <i>zooxanthella</i> TM invasive to the western Atlantic finds its way to the Eastern Pacific via an introduced Caribbean coral. <i>Coral Reefs</i> , 2016, 35, 577-582.	0.9	8
89	Eight polymorphic microsatellite loci for the Indo-Pacific-wide zoanthid, <i>Zoanthus sansibaricus</i> . <i>Marine Biodiversity</i> , 2013, 43, 247-250.	0.3	6
90	Robert Kent Trench (1940–2021): a life devoted to symbiotic mutualisms and seeking nature's truth. <i>Symbiosis</i> , 2021, 85, 393-400.	1.2	0