

# Scott R Santos

## List of Publications by Year in descending order

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68  
papers

5,270  
citations

186265

28  
h-index

110387

64  
g-index

69  
all docs

69  
docs citations

69  
times ranked

4750  
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.	3.9	1,242
2	Phylogenomics reveals deep molluscan relationships. <i>Nature</i> , 2011, 477, 452-456.	27.8	420
3	Genetic Diversity of Symbiotic Dinoflagellates in the Genus <i>Symbiodinium</i> . <i>Protist</i> , 2005, 156, 19-34.	1.5	338
4	Illuminating the Base of the Annelid Tree Using Transcriptomics. <i>Molecular Biology and Evolution</i> , 2014, 31, 1391-1401.	8.9	268
5	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.	3.9	267
6	Molecular phylogeny of symbiotic dinoflagellates inferred from partial chloroplast large subunit (23S)-rDNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2002, 23, 97-111.	2.7	231
7	Identification and phylogenetic sorting of bacterial lineages with universally conserved genes and proteins. <i>Environmental Microbiology</i> , 2004, 6, 754-759.	3.8	216
8	The Adaptive Bleaching Hypothesis: Experimental Tests of Critical Assumptions. <i>Biological Bulletin</i> , 2001, 200, 51-58.	1.8	179
9	GENETIC COMPARISONS OF FRESHLY ISOLATED VERSUS CULTURED SYMBIOTIC DINOFLAGELLATES: IMPLICATIONS FOR EXTRAPOLATING TO THE INTACT SYMBIOSIS. <i>Journal of Phycology</i> , 2001, 37, 900-912.	2.3	158
10	Molecular Genetic Evidence that Dinoflagellates Belonging to the Genus <i>Symbiodinium</i> Are Haploid. <i>Biological Bulletin</i> , 2003, 204, 10-20.	1.8	130
11	Environmental populations of symbiotic dinoflagellates in the genus <i>Symbiodinium</i> can initiate symbioses with reef cnidarians. <i>Current Biology</i> , 2006, 16, R985-R987.	3.9	124
12	Nodulation of <i>Sesbania</i> species by <i>Rhizobium</i> ( <i>Agrobacterium</i> ) strain IRBG74 and other rhizobia. <i>Environmental Microbiology</i> , 2009, 11, 2510-2525.	3.8	120
13	Population genetic data of a model symbiotic cnidarian system reveal remarkable symbiotic specificity and vectored introductions across ocean basins. <i>Molecular Ecology</i> , 2013, 22, 4499-4515.	3.9	119
14	Phylogenomic Resolution of the Hemichordate and Echinoderm Clade. <i>Current Biology</i> , 2014, 24, 2827-2832.	3.9	117
15	Reef Endemism, Host Specificity and Temporal Stability in Populations of Symbiotic Dinoflagellates from Two Ecologically Dominant Caribbean Corals. <i>PLoS ONE</i> , 2009, 4, e6262.	2.5	112
16	Phylogenetic Identification of Symbiotic Dinoflagellates via Length Heteroplasmy in Domain V of Chloroplast Large Subunit (cp23S) Ribosomal DNA Sequences. <i>Marine Biotechnology</i> , 2003, 5, 130-140.	2.4	101
17	Patterns of genetic connectivity among anchialine habitats: a case study of the endemic Hawaiian shrimp <i>Halocaridina rubra</i> on the island of Hawaii. <i>Molecular Ecology</i> , 2006, 15, 2699-2718.	3.9	65
18	MITOCHONDRIAL DNA PHYLOGENY OF THE SYMBIOTIC DINOFLAGELLATES ( <i>Symbiodinium</i> ),	2.3	63

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19	Mitogenomics reveals phylogeny and repeated motifs in control regions of the deep-sea family Siboglinidae (Annelida). <i>Molecular Phylogenetics and Evolution</i> , 2015, 85, 221-229.	2.7	62
20	Molecular Characterization of Nuclear Small Subunit (ISS)-rDNA Pseudogenes in a Symbiotic Dinoflagellate (Symbiodinium, Dinophyta). <i>Journal of Eukaryotic Microbiology</i> , 2003, 50, 417-421.	1.7	54
21	The complete mitochondrial genome of the Hawaiian anchialine shrimp <i>Halocaridina rubra</i> Holthuis, 1963 (Crustacea: Decapoda: Atyidae). <i>Gene</i> , 2007, 394, 35-44.	2.2	52
22	Population structure of <i>Symbiodinium</i> sp. associated with the common sea fan, <i>Gorgonia ventalina</i> , in the Florida Keys across distance, depth, and time. <i>Marine Biology</i> , 2009, 156, 1609-1623.	1.5	50
23	Osmoregulation in the Hawaiian anchialine shrimp <i>Halocaridina rubra</i> (Crustacea: Atyidae): expression of ion transporters, mitochondria-rich cell proliferation, and hemolymph osmolality during salinity transfers. <i>Journal of Experimental Biology</i> , 2014, 217, 2309-20.	1.7	50
24	Performance of Single and Concatenated Sets of Mitochondrial Genes at Inferring Metazoan Relationships Relative to Full Mitogenome Data. <i>PLoS ONE</i> , 2014, 9, e84080.	2.5	50
25	Islands under islands: The phylogeography and evolution of <i>Halocaridina rubra</i> Holthuis, 1963 (Crustacean: Decapoda: Atyidae) in the Hawaiian archipelago. <i>Limnology and Oceanography</i> , 2008, 53, 675-689.	3.1	47
26	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.	2.3	41
27	Phylogenetic assignment and mechanism of action of a crop growth promoting <i>Rhizobium radiobacter</i> strain used as a biofertiliser on graminaceous crops in Russia. <i>Antonie Van Leeuwenhoek</i> , 2007, 91, 105-113.	1.7	36
28	Phylogenomic analyses reveal a Palaeozoic radiation and support a freshwater origin for clitellate annelids. <i>Zoologica Scripta</i> , 2020, 49, 614-640.	1.7	34
29	Phylogenomics of tubeworms (Siboglinidae, Annelida) and comparative performance of different reconstruction methods. <i>Zoologica Scripta</i> , 2017, 46, 200-213.	1.7	33
30	Geographic structure in the Southern Ocean circumpolar brittle star <i>Ophionotus victoriae</i> (Ophiuridae) revealed from mt DNA and single nucleotide polymorphism data. <i>Ecology and Evolution</i> , 2017, 7, 475-485.	1.9	30
31	Tracking Transmission of Apicomplexan Symbionts in Diverse Caribbean Corals. <i>PLoS ONE</i> , 2013, 8, e80618.	2.5	29
32	Evolution of length variation and heteroplasmy in the chloroplast rDNA of symbiotic dinoflagellates ( <i>Symbiodinium</i> , Dinophyta) and a novel insertion in the universal core region of the large subunit rDNA. <i>Phycologia</i> , 2002, 41, 311-318.	1.4	27
33	Phylogenomic analyses of Crassidicellata support major Northern and Southern Hemisphere clades and a Pangaeian origin for earthworms. <i>BMC Evolutionary Biology</i> , 2017, 17, 123.	3.2	27
34	Crossing the Divide: Admixture Across the Antarctic Polar Front Revealed by the Brittle Star <i>Astrota agassizii</i> . <i>Biological Bulletin</i> , 2017, 232, 198-211.	1.8	24
35	Adaptation strategies of the corallimorpharian <i>Rhodactis rhodostoma</i> to irradiance and temperature. <i>Marine Biology</i> , 2007, 151, 1287-1298.	1.5	23
36	Nemertean Toxin Genes Revealed through Transcriptome Sequencing. <i>Genome Biology and Evolution</i> , 2014, 6, 3314-3325.	2.5	22

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37	Salinity-induced changes in gene expression from anterior and posterior gills of <i>Callinectes sapidus</i> (Crustacea: Portunidae) with implications for crustacean ecological genomics. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016, 19, 34-44.	1.0	22
38	Cryptic diversity within two endemic crayfish species of the Southeastern US revealed by molecular genetics and geometric morphometrics. <i>Hydrobiologia</i> , 2015, 755, 283-298.	2.0	21
39	Here We Are, But Where Do We Go? A Systematic Review of Crustacean Transcriptomic Studies from 2014–2015. <i>Integrative and Comparative Biology</i> , 2016, 56, 1055-1066.	2.0	21
40	Invasive fishes in the Hawaiian anchialine ecosystem: investigating potential predator avoidance by endemic organisms. <i>Hydrobiologia</i> , 2013, 716, 189-201.	2.0	19
41	Genetic Differentiation, Structure, and a Transition Zone among Populations of the Pitcher Plant Moth <i>Exyra semicrocea</i> : Implications for Conservation. <i>PLoS ONE</i> , 2011, 6, e22658.	2.5	17
42	Multiple Colonizations Lead to Cryptic Biodiversity in an Island Ecosystem: Comparative Phylogeography of Anchialine Shrimp Species in the Ryukyu Archipelago, Japan. <i>Biological Bulletin</i> , 2013, 225, 24-41.	1.8	16
43	PHYLOGENETIC ANALYSIS OF A FREE-LIVING STRAIN OF SYMBIODINIUM ISOLATED FROM JIAOZHOU BAY, P.R. CHINA1. <i>Journal of Phycology</i> , 2004, 40, 395-397.	2.3	15
44	The Long and Short of It: Genetic Variation and Population Structure of the Anchialine Atyid Shrimp <i>Caridina rubella</i> on Miyako-jima, Japan. <i>Journal of Crustacean Biology</i> , 2012, 32, 109-117.	0.8	14
45	Diversity and the environmental drivers of spatial variation in Bacteria and micro-Eukarya communities from the Hawaiian anchialine ecosystem. <i>Hydrobiologia</i> , 2018, 806, 265-282.	2.0	14
46	Red Coloration in an Anchialine Shrimp: Carotenoids, Genetic Variation, and Candidate Genes. <i>Biological Bulletin</i> , 2020, 238, 119-130.	1.8	14
47	Ammonia flux, physiological parameters, and Symbiodinium diversity in the anemonefish symbiosis on Red Sea coral reefs. <i>Symbiosis</i> , 2011, 53, 63-74.	2.3	13
48	Discovery and evolution of novel hemerythrin genes in annelid worms. <i>BMC Evolutionary Biology</i> , 2017, 17, 85.	3.2	12
49	Taking their breath away: Metabolic responses to low-oxygen levels in anchialine shrimps (Crustacea: Tj ETQq1 1 0.784314 rgBT /Over Physiology, 2014, 178, 109-120.	1.8	11
50	Rocks and clocks: linking geologic history and rates of genetic differentiation in anchialine organisms. <i>Hydrobiologia</i> , 2011, 677, 53-64.	2.0	10
51	Developmental Transcriptomics of the Hawaiian Anchialine Shrimp <i>Halocaridina rubra</i> Holthuis, 1963 (Crustacea: Atyidae). <i>Integrative and Comparative Biology</i> , 2016, 56, 1170-1182.	2.0	10
52	Contrasting abundance and contribution of clonal proliferation to the population structure of the corkscrew sea anemone <i>Bartholomea annulata</i> in the tropical Western Atlantic. <i>Invertebrate Biology</i> , 2017, 136, 62-74.	0.9	10
53	Reproduction and Development in <i>Halocaridina rubra</i> Holthuis, 1963 (Crustacea: Atyidae) Clarifies Larval Ecology in the Hawaiian Anchialine Ecosystem. <i>Biological Bulletin</i> , 2015, 229, 134-142.	1.8	9
54	Genomic Resources Notes accepted 1 June 2014 - 31 July 2014. <i>Molecular Ecology Resources</i> , 2014, 14, 1322-1322.	4.8	7

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55	Reconstruction of Cyclooxygenase Evolution in Animals Suggests Variable, Lineage-Specific Duplications, and Homologs with Low Sequence Identity. <i>Journal of Molecular Evolution</i> , 2015, 80, 193-208.	1.8	7
56	Secondary structural modeling of the second internal transcribed spacer (ITS2) from Pfiesteria-like dinoflagellates (Dinophyceae). <i>Harmful Algae</i> , 2009, 8, 441-446.	4.8	6
57	Genetic lineage and environmental conditions as drivers of chromosome variation in the anchialine shrimp <i>Halocaridina rubra</i> Holthuis, 1963 (Caridea: Atyidae). <i>Journal of Crustacean Biology</i> , 2014, 34, 647-657.	0.8	6
58	Na <sup>+</sup> /K <sup>+</sup> -ATPase gene duplications in clitellate annelids are associated with freshwater colonization. <i>Journal of Evolutionary Biology</i> , 2019, 32, 580-591.	1.7	6
59	Evolution of Sulfur Binding by Hemoglobin in Siboglinidae (Annelida) with Special Reference to Bone-Eating Worms, <i>Osedax</i> . <i>Journal of Molecular Evolution</i> , 2016, 82, 219-229.	1.8	5
60	Disparate responses to salinity across species and organizational levels in anchialine shrimps. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	5
61	Phenotypic Comparability from Genotypic Variability among Physically Structured Microbial Consortia. <i>Integrative and Comparative Biology</i> , 2020, 60, 288-303.	2.0	5
62	Expanding the population genetic perspective of cnidarian-Symbiodinium symbioses. <i>Molecular Ecology</i> , 2014, 23, 4185-4187.	3.9	4
63	Strong Population Structure and Differentiation within and among Burrowing Bog Crayfish Species of Southern Alabama Wetlands. <i>Wetlands</i> , 2020, 40, 1595-1606.	1.5	4
64	From One to Many: The Population Genetics of Cnidarian-Symbiodinium Symbioses. , 2016, , 359-373.		2
65	Revisiting the Genetic Diversity of Symbiotic Dinoflagellates in the Genus <i>Symbiodinium</i> . <i>Protist</i> , 2018, 169, 784-787.	1.5	2
66	Primary Microbial Succession in the Anchialine Ecosystem. <i>Integrative and Comparative Biology</i> , 2022, 62, 275-287.	2.0	1
67	Grazing by an endemic atyid shrimp controls microbial communities in the Hawaiian anchialine ecosystem. <i>Limnology and Oceanography</i> , 0, , .	3.1	1
68	Pools in Peril: The Anchialine Ecosystem of the Hawaiian Islands. , 2021, , .		0