

Manuel Aranda

List of Publications by Citations

Source: <https://exaly.com/author-pdf/800669/manuel-aranda-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

4,569
citations

36
h-index

67
g-index

113
ext. papers

6,100
ext. citations

8.4
avg, IF

5.41
L-index

#	Paper	IF	Citations
98	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008 , 452, 949-55	50.4	1043
97	The genome of <i>Aiptasia</i> , a sea anemone model for coral symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11893-8	11.5	244
96	Genomes of coral dinoflagellate symbionts highlight evolutionary adaptations conducive to a symbiotic lifestyle. <i>Scientific Reports</i> , 2016 , 6, 39734	4.9	210
95	Rapid adaptive responses to climate change in corals. <i>Nature Climate Change</i> , 2017 , 7, 627-636	21.4	201
94	The microbiome of the Red Sea coral <i>Stylophora pistillata</i> is dominated by tissue-associated <i>Endozoicomonas</i> bacteria. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4759-62	4.8	188
93	Symbiodinium transcriptomes: genome insights into the dinoflagellate symbionts of reef-building corals. <i>PLoS ONE</i> , 2012 , 7, e35269	3.7	178
92	Comparative genomics explains the evolutionary success of reef-forming corals. <i>ELife</i> , 2016 , 5,	8.9	126
91	A segmentation gene in <i>tribolium</i> produces a polycistronic mRNA that codes for multiple conserved peptides. <i>Cell</i> , 2006 , 126, 559-69	56.2	113
90	Bicarbonate transporters in corals point towards a key step in the evolution of cnidarian calcification. <i>Scientific Reports</i> , 2015 , 5, 9983	4.9	103
89	Bacterial profiling of White Plague Disease in a comparative coral species framework. <i>ISME Journal</i> , 2014 , 8, 31-9	11.9	98
88	Wnt8 is required for growth-zone establishment and development of opisthosomal segments in a spider. <i>Current Biology</i> , 2008 , 18, 1619-23	6.3	97
87	Microbiome structure of the fungid coral <i>Ctenactis echinata</i> aligns with environmental differences. <i>Molecular Ecology</i> , 2015 , 24, 3501-11	5.7	84
86	Integrating microRNA and mRNA expression profiling in <i>Symbiodinium microadriaticum</i> , a dinoflagellate symbiont of reef-building corals. <i>BMC Genomics</i> , 2013 , 14, 704	4.5	80
85	A genomic view of the reef-building coral <i>Porites lutea</i> and its microbial symbionts. <i>Nature Microbiology</i> , 2019 , 4, 2090-2100	26.6	79
84	Bacteria of the genus <i>Endozoicomonas</i> dominate the microbiome of the Mediterranean gorgonian coral <i>Eunicella cavolini</i> . <i>Marine Ecology - Progress Series</i> , 2013 , 479, 75-84	2.6	78
83	genomes reveal adaptive evolution of functions related to coral-dinoflagellate symbiosis. <i>Communications Biology</i> , 2018 , 1, 95	6.7	78
82	Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral. <i>Science Advances</i> , 2018 , 4, eaar8028	14.3	74

81	Rapid evolution of coral proteins responsible for interaction with the environment. <i>PLoS ONE</i> , 2011 , 6, e20392	3.7	74
80	Comparative analysis of the genomes of <i>Stylophora pistillata</i> and <i>Acropora digitifera</i> provides evidence for extensive differences between species of corals. <i>Scientific Reports</i> , 2017 , 7, 17583	4.9	72
79	In-situ effects of eutrophication and overfishing on physiology and bacterial diversity of the red sea coral <i>Acropora hemprichii</i> . <i>PLoS ONE</i> , 2013 , 8, e62091	3.7	70
78	Reefgenomics.Org - a repository for marine genomics data. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016,	5	69
77	Structural molecular components of septate junctions in cnidarians point to the origin of epithelial junctions in eukaryotes. <i>Molecular Biology and Evolution</i> , 2015 , 32, 44-62	8.3	55
76	Intergenerational epigenetic inheritance in reef-building corals. <i>Nature Climate Change</i> , 2020 , 10, 254-259	5.4	51
75	Delimiting the conserved features of hunchback function for the trunk organization of insects. <i>Development (Cambridge)</i> , 2008 , 135, 881-8	6.6	48
74	The past, present, and future of coral heat stress studies. <i>Ecology and Evolution</i> , 2019 , 9, 10055-10066	2.8	46
73	The Sp8 zinc-finger transcription factor is involved in allometric growth of the limbs in the beetle <i>Tribolium castaneum</i> . <i>Development (Cambridge)</i> , 2004 , 131, 733-42	6.6	46
72	Differential sensitivity of coral larvae to natural levels of ultraviolet radiation during the onset of larval competence. <i>Molecular Ecology</i> , 2011 , 20, 2955-72	5.7	43
71	The role of the segmentation gene hairy in <i>Tribolium</i> . <i>Development Genes and Evolution</i> , 2008 , 218, 465-77	7.8	43
70	Hologenome analysis of two marine sponges with different microbiomes. <i>BMC Genomics</i> , 2016 , 17, 158	4.5	40
69	Characterization of a sponge microbiome using an integrative genome-centric approach. <i>ISME Journal</i> , 2020 , 14, 1100-1110	11.9	39
68	Using <i>Aiptasia</i> as a Model to Study Metabolic Interactions in Cnidarian- Symbioses. <i>Frontiers in Physiology</i> , 2018 , 9, 214	4.6	39
67	DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model <i>Aiptasia</i> . <i>Science Advances</i> , 2018 , 4, eaat2142	14.3	39
66	Separable stripe enhancer elements for the pair-rule gene hairy in the beetle <i>Tribolium</i> . <i>EMBO Reports</i> , 2004 , 5, 638-42	6.5	39
65	Distinct Bacterial Communities Associated with the Coral Model <i>Aiptasia</i> in Aposymbiotic and Symbiotic States with Symbiodinium. <i>Frontiers in Marine Science</i> , 2016 , 3,	4.5	39
64	Host-dependent nitrogen recycling as a mechanism of symbiont control in <i>Aiptasia</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008189	6	37

63	Condition-specific RNA editing in the coral symbiont <i>Symbiodinium microadriaticum</i> . <i>PLoS Genetics</i> , 2017 , 13, e1006619	6	36
62	Identification of microRNAs in the coral <i>Stylophora pistillata</i> . <i>PLoS ONE</i> , 2014 , 9, e91101	3-7	36
61	Multi-omics analysis of thermal stress response in a zooxanthellate cnidarian reveals the importance of associating with thermotolerant symbionts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4-4	35
60	Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in. <i>Science Advances</i> , 2019 , 5, eaaw6787	14-3	33
59	High salinity conveys thermotolerance in the coral model <i>Aiptasia</i> . <i>Biology Open</i> , 2017 , 6, 1943-1948	2-2	26
58	Finding Nemo's Genes: A chromosome-scale reference assembly of the genome of the orange clownfish <i>Amphiprion percula</i> . <i>Molecular Ecology Resources</i> , 2019 , 19, 570-585	8-4	24
57	The skeletome of the red coral <i>Corallium rubrum</i> indicates an independent evolution of biomineralization process in octocorals. <i>Bmc Ecology and Evolution</i> , 2021 , 21, 1	21	22
56	Long-Term Temperature Stress in the Coral Model <i>Aiptasia</i> Supports the "Anna Karenina Principle" for Bacterial Microbiomes. <i>Frontiers in Microbiology</i> , 2019 , 10, 975	5-7	21
55	Extending the natural adaptive capacity of coral holobionts. <i>Nature Reviews Earth & Environment</i> ,	30-2	21
54	Evidence for miRNA-mediated modulation of the host transcriptome in cnidarian-dinoflagellate symbiosis. <i>Molecular Ecology</i> , 2018 , 27, 403-418	5-7	21
53	Draft genomes of the corallimorpharians <i>Amplexidiscus fenestrafer</i> and <i>Discosoma</i> sp. <i>Molecular Ecology Resources</i> , 2017 , 17, e187-e195	8-4	18
52	The Red Sea: Environmental Gradients Shape a Natural Laboratory in a Nascent Ocean. <i>Coral Reefs of the World</i> , 2019 , 1-10	2-1	18
51	Altered directionality in the Cre-LoxP site-specific recombination pathway. <i>Journal of Molecular Biology</i> , 2001 , 311, 453-9	6-5	18
50	Advancing Genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017 , 31, 1-7	1-2	16
49	Genetic and spatial organization of the unusual chromosomes of the dinoflagellate <i>Symbiodinium microadriaticum</i> . <i>Nature Genetics</i> , 2021 , 53, 618-629	36-3	16
48	Association of coral algal symbionts with a diverse viral community responsive to heat shock. <i>BMC Microbiology</i> , 2017 , 17, 174	4-5	15
47	Genetic transformation of the dinoflagellate chloroplast. <i>ELife</i> , 2019 , 8,	8-9	15
46	Enhancing the heat tolerance of reef-building corals to future warming. <i>Science Advances</i> , 2021 , 7,	14-3	15

45	Laboratory-Cultured Strains of the Sea Anemone <i>Exaiptasia</i> Reveal Distinct Bacterial Communities. <i>Frontiers in Marine Science</i> , 2017 , 4,	4.5	14
44	Recent expansion of heat-activated retrotransposons in the coral symbiont <i>Symbiodinium microadriaticum</i> . <i>ISME Journal</i> , 2018 , 12, 639-643	11.9	13
43	Night-Time Temperature Reprieves Enhance the Thermal Tolerance of a Symbiotic Cnidarian. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	9
42	Beyond Reef Restoration: Next-Generation Techniques for Coral Gardening, Landscaping, and Outreach. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	9
41	Unfamiliar partnerships limit cnidarian holobiont acclimation to warming. <i>Global Change Biology</i> , 2020 , 26, 5539-5553	11.4	8
40	Assessing the effects of iron enrichment across holobiont compartments reveals reduced microbial nitrogen fixation in the Red Sea coral. <i>Ecology and Evolution</i> , 2017 , 7, 6614-6621	2.8	8
39	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. <i>Frontiers in Marine Science</i> , 2021 , 8,	4.5	8
38	Evolutionary insights into scleractinian corals using comparative genomic hybridizations. <i>BMC Genomics</i> , 2012 , 13, 501	4.5	7
37	Nutrient stress arrests tentacle growth in the coral model <i>Aiptasia</i> . <i>Symbiosis</i> , 2019 , 78, 61-64	3	6
36	The genetic intractability of <i>Symbiodinium microadriaticum</i> to standard algal transformation methods. <i>PLoS ONE</i> , 2019 , 14, e0211936	3.7	6
35	Genome-Based Analyses of Six Hexacorallian Species Reject the "Naked Coral" Hypothesis. <i>Genome Biology and Evolution</i> , 2017 , 9, 2626-2634	3.9	6
34	miRNA Repertoires of Demosponges <i>Stylissa carteri</i> and <i>Xestospongia testudinaria</i> . <i>PLoS ONE</i> , 2016 , 11, e0149080	3.7	6
33	Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral		6
32	Intergenerational epigenetic inheritance in reef-building corals		6
31	Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems. <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	6
30	Draft genome of an iconic Red Sea reef fish, the blacktail butterflyfish (<i>Chaetodon austriacus</i>): current status and its characteristics. <i>Molecular Ecology Resources</i> , 2018 , 18, 347-355	8.4	5
29	Signatures of selection underpinning rapid coral adaptation to the world's warmest reefs.. <i>Science Advances</i> , 2022 , 8, eabl7287	14.3	5
28	Temperature transcends partner specificity in the symbiosis establishment of a cnidarian. <i>ISME Journal</i> , 2021 , 15, 141-153	11.9	5

27	Projecting coral responses to intensifying marine heatwaves under ocean acidification. <i>Global Change Biology</i> , 2021 ,	11.4	5
26	Using a butterflyfish genome as a general tool for RAD-Seq studies in specialized reef fish. <i>Molecular Ecology Resources</i> , 2017 , 17, 1330-1341	8.4	4
25	DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model <i>Aiptasia</i>		4
24	Anchorene is an endogenous diapocarotenoid required for anchor root formation in <i>Arabidopsis</i>		4
23	CATION-CHLORIDE CO-TRANSPORTER 1 (CCC1) Mediates Plant Resistance against. <i>Plant Physiology</i> , 2020 , 182, 1052-1065	6.6	4
22	A simulation study to increase throughput in an endoscopy center 2010 ,		3
21	Chromosome-scale assembly of the coral endosymbiont <i>Symbiodinium microadriaticum</i> genome provides insight into the unique biology of dinoflagellate chromosomes		3
20	Summarized datasheet for multi-omics response of three <i>Exaiaiptasia</i> strains to heat stress: a new way to process omics data. <i>BMC Research Notes</i> , 2018 , 11, 905	2.3	3
19	Sustainable and Eco-Friendly Coral Restoration through 3D Printing and Fabrication. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12634-12645	8.3	3
18	The Microbiome of the Red Sea Coral <i>Stylophora pistillata</i> Is Dominated by Tissue-Associated Endozoicomonas Bacteria. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 427-427	4.8	2
17	Identification of a gene expression core signature for Duchenne muscular dystrophy (DMD) via integrative analysis reveals novel potential compounds for treatment 2010 ,		2
16	Meta-analysis reveals host-dependent nitrogen recycling as a mechanism of symbiont control in <i>Aiptasia</i>		2
15	PCR and DNA Sequencing 1994 , 201-213		2
14	The Evolution of Calcification in Reef-Building Corals. <i>Molecular Biology and Evolution</i> , 2021 , 38, 3543-3555		2
13	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. <i>Global Change Biology</i> , 2021 , 27, 5532-5546	11.4	2
12	Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017 , 31, 231	1.2	1
11	Effects of Ocean Acidification on Resident and Active Microbial Communities of .. <i>Frontiers in Microbiology</i> , 2021 , 12, 707674	5.7	1
10	The genetic intractability of <i>Symbiodinium microadriaticum</i> to standard algal transformation methods		1

9	Finding Nemo's Genes: A chromosome-scale reference assembly of the genome of the orange clownfish <i>Amphiprion percula</i>		1
8	Genomes of the willow-galling sawflies <i>Euura lappo</i> and <i>Eupontania aestiva</i> (Hymenoptera: Tenthredinidae): a resource for research on ecological speciation, adaptation, and gall induction. <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	1
7	New Insights From Transcriptomic Data Reveal Differential Effects of CO ₂ Acidification Stress on Photosynthesis of an Endosymbiotic Dinoflagellate. <i>Frontiers in Microbiology</i> , 2021 , 12, 666510	5.7	1
6	Nutritional control regulates symbiont proliferation and life history in coral-dinoflagellate symbiosis.. <i>BMC Biology</i> , 2022 , 20, 103	7.3	1
5	Host under epigenetic control: A novel perspective on the interaction between microorganisms and corals. <i>BioEssays</i> , 2021 , 43, e2100068	4.1	0
4	<i>Symbiodinium microadriaticum</i> (coral microalgal endosymbiont). <i>Trends in Genetics</i> , 2021 , 37, 1044-10458.5		0
3	SpiAMT1d: molecular characterization, localization, and potential role in coral calcification of an ammonium transporter in <i>Stylophora pistillata</i> . <i>Coral Reefs</i> , 1	4.2	0
2	Symbiosis with Dinoflagellates Alters Cnidarian Cell-Cycle Gene Expression. <i>Cellular Microbiology</i> , 2022 , 2022, 1-20	3.9	0
1	Molecular methods for biofilms 2014 , 87-137		