

Manuel Aranda

List of Publications by Year in Descending Order

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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 | Signatures of selection underpinning rapid coral adaptation to the world's warmest reefs.. <i>Science Advances</i> , 2022 , 8, eabl7287 | 14.3 | 5 |
| 97 | Nutritional control regulates symbiont proliferation and life history in coral-dinoflagellate symbiosis.. <i>BMC Biology</i> , 2022 , 20, 103 | 7.3 | 1 |
| 96 | Symbiosis with Dinoflagellates Alters Cnidarian Cell-Cycle Gene Expression. <i>Cellular Microbiology</i> , 2022 , 2022, 1-20 | 3.9 | 0 |
| 95 | Effects of Ocean Acidification on Resident and Active Microbial Communities of .. <i>Frontiers in Microbiology</i> , 2021 , 12, 707674 | 5.7 | 1 |
| 94 | 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 |
| 93 | The Evolution of Calcification in Reef-Building Corals. <i>Molecular Biology and Evolution</i> , 2021 , 38, 3543-3555 | | 2 |
| 92 | 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 |
| 91 | 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 |
| 90 | Temperature transcends partner specificity in the symbiosis establishment of a cnidarian. <i>ISME Journal</i> , 2021 , 15, 141-153 | 11.9 | 5 |
| 89 | Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. <i>Frontiers in Marine Science</i> , 2021 , 8, | 4.5 | 8 |
| 88 | Host under epigenetic control: A novel perspective on the interaction between microorganisms and corals. <i>BioEssays</i> , 2021 , 43, e2100068 | 4.1 | 0 |
| 87 | Projecting coral responses to intensifying marine heatwaves under ocean acidification. <i>Global Change Biology</i> , 2021 , | 11.4 | 5 |
| 86 | Enhancing the heat tolerance of reef-building corals to future warming. <i>Science Advances</i> , 2021 , 7, | 14.3 | 15 |
| 85 | <i>Symbiodinium microadriaticum</i> (coral microalgal endosymbiont). <i>Trends in Genetics</i> , 2021 , 37, 1044-1045 | 8.5 | 0 |
| 84 | 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 |
| 83 | 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 |
| 82 | 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 |

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| 81 | 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 |
| 80 | Unfamiliar partnerships limit cnidarian holobiont acclimation to warming. <i>Global Change Biology</i> , 2020 , 26, 5539-5553 | 11.4 | 8 |
| 79 | Intergenerational epigenetic inheritance in reef-building corals. <i>Nature Climate Change</i> , 2020 , 10, 254-259 | 21.4 | 51 |
| 78 | Characterization of a sponge microbiome using an integrative genome-centric approach. <i>ISME Journal</i> , 2020 , 14, 1100-1110 | 11.9 | 39 |
| 77 | CATION-CHLORIDE CO-TRANSPORTER 1 (CCC1) Mediates Plant Resistance against. <i>Plant Physiology</i> , 2020 , 182, 1052-1065 | 6.6 | 4 |
| 76 | Beyond Reef Restoration: Next-Generation Techniques for Coral Gardening, Landscaping, and Outreach. <i>Frontiers in Marine Science</i> , 2020 , 7, | 4.5 | 9 |
| 75 | Night-Time Temperature Reprieves Enhance the Thermal Tolerance of a Symbiotic Cnidarian. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 9 |
| 74 | 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 |
| 73 | 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 |
| 72 | Nutrient stress arrests tentacle growth in the coral model <i>Aiptasia</i> . <i>Symbiosis</i> , 2019 , 78, 61-64 | 3 | 6 |
| 71 | 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 |
| 70 | The genetic intractability of <i>Symbiodinium microadriaticum</i> to standard algal transformation methods. <i>PLoS ONE</i> , 2019 , 14, e0211936 | 3.7 | 6 |
| 69 | Host-dependent nitrogen recycling as a mechanism of symbiont control in <i>Aiptasia</i> . <i>PLoS Genetics</i> , 2019 , 15, e1008189 | 6 | 37 |
| 68 | The past, present, and future of coral heat stress studies. <i>Ecology and Evolution</i> , 2019 , 9, 10055-10066 | 2.8 | 46 |
| 67 | Genetic transformation of the dinoflagellate chloroplast. <i>ELife</i> , 2019 , 8, | 8.9 | 15 |
| 66 | Anchorene is a carotenoid-derived regulatory metabolite required for anchor root formation in. <i>Science Advances</i> , 2019 , 5, eaaw6787 | 14.3 | 33 |
| 65 | 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 |
| 64 | 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 |

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| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral. <i>Science Advances</i> , 2018 , 4, eaar8028 | 14.3 | 74 |
| 58 | Evidence for miRNA-mediated modulation of the host transcriptome in cnidarian-dinoflagellate symbiosis. <i>Molecular Ecology</i> , 2018 , 27, 403-418 | 5.7 | 21 |
| 57 | Summarized datasheet for multi-omics response of three <i>Exaiptasia</i> strains to heat stress: a new way to process omics data. <i>BMC Research Notes</i> , 2018 , 11, 905 | 2.3 | 3 |
| 56 | genomes reveal adaptive evolution of functions related to coral-dinoflagellate symbiosis. <i>Communications Biology</i> , 2018 , 1, 95 | 6.7 | 78 |
| 55 | 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 |
| 54 | 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 |
| 53 | Advancing Genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017 , 31, 1-7 | 1.2 | 16 |
| 52 | Association of coral algal symbionts with a diverse viral community responsive to heat shock. <i>BMC Microbiology</i> , 2017 , 17, 174 | 4.5 | 15 |
| 51 | High salinity conveys thermotolerance in the coral model <i>Aiptasia</i> . <i>Biology Open</i> , 2017 , 6, 1943-1948 | 2.2 | 26 |
| 50 | Rapid adaptive responses to climate change in corals. <i>Nature Climate Change</i> , 2017 , 7, 627-636 | 21.4 | 201 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | Corrigendum to: Advancing genomics through the Global Invertebrate Genomics Alliance (GIGA). <i>Invertebrate Systematics</i> , 2017 , 31, 231 | 1.2 | 1 |

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| 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 | Condition-specific RNA editing in the coral symbiont <i>Symbiodinium microadriaticum</i> . <i>PLoS Genetics</i> , 2017 , 13, e1006619 | 6 | 36 |
| 43 | Hologenome analysis of two marine sponges with different microbiomes. <i>BMC Genomics</i> , 2016 , 17, 158 | 4.5 | 40 |
| 42 | miRNA Repertoires of Demosponges <i>Stylissa carteri</i> and <i>Xestospongia testudinaria</i> . <i>PLoS ONE</i> , 2016 , 11, e0149080 | 3.7 | 6 |
| 41 | Comparative genomics explains the evolutionary success of reef-forming corals. <i>ELife</i> , 2016 , 5, | 8.9 | 126 |
| 40 | Reefgenomics.Org - a repository for marine genomics data. <i>Database: the Journal of Biological Databases and Curation</i> , 2016 , 2016, | 5 | 69 |
| 39 | Distinct Bacterial Communities Associated with the Coral Model <i>Aiptasia</i> in Aposymbiotic and Symbiotic States with <i>Symbiodinium</i> . <i>Frontiers in Marine Science</i> , 2016 , 3, | 4.5 | 39 |
| 38 | Genomes of coral dinoflagellate symbionts highlight evolutionary adaptations conducive to a symbiotic lifestyle. <i>Scientific Reports</i> , 2016 , 6, 39734 | 4.9 | 210 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | Molecular methods for biofilms 2014 , 87-137 | | |
| 32 | Bacterial profiling of White Plague Disease in a comparative coral species framework. <i>ISME Journal</i> , 2014 , 8, 31-9 | 11.9 | 98 |
| 31 | 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> , 2014 , 80, 427-427 | 4.8 | 2 |
| 30 | Identification of microRNAs in the coral <i>Stylophora pistillata</i> . <i>PLoS ONE</i> , 2014 , 9, e91101 | 3.7 | 36 |
| 29 | 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 |
| 28 | 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 |

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| 27 | 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 |
| 26 | 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 |
| 25 | Evolutionary insights into scleractinian corals using comparative genomic hybridizations. <i>BMC Genomics</i> , 2012 , 13, 501 | 4.5 | 7 |
| 24 | Symbiodinium transcriptomes: genome insights into the dinoflagellate symbionts of reef-building corals. <i>PLoS ONE</i> , 2012 , 7, e35269 | 3.7 | 178 |
| 23 | 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 |
| 22 | Rapid evolution of coral proteins responsible for interaction with the environment. <i>PLoS ONE</i> , 2011 , 6, e20392 | 3.7 | 74 |
| 21 | A simulation study to increase throughput in an endoscopy center 2010 , | | 3 |
| 20 | Identification of a gene expression core signature for Duchenne muscular dystrophy (DMD) via integrative analysis reveals novel potential compounds for treatment 2010 , | | 2 |
| 19 | The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008 , 452, 949-55 | 50.4 | 1043 |
| 18 | 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 |
| 17 | Delimiting the conserved features of hunchback function for the trunk organization of insects. <i>Development (Cambridge)</i> , 2008 , 135, 881-8 | 6.6 | 48 |
| 16 | The role of the segmentation gene hairy in <i>Tribolium</i> . <i>Development Genes and Evolution</i> , 2008 , 218, 465-78 | | 43 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Altered directionality in the Cre-LoxP site-specific recombination pathway. <i>Journal of Molecular Biology</i> , 2001 , 311, 453-9 | 6.5 | 18 |
| 11 | PCR and DNA Sequencing 1994 , 201-213 | | 2 |
| 10 | Extending the natural adaptive capacity of coral holobionts. <i>Nature Reviews Earth & Environment</i> , | 30.2 | 21 |

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| 9 | The genetic intractability of <i>Symbiodinium microadriaticum</i> to standard algal transformation methods | 1 |
| 8 | Epigenome-associated phenotypic acclimatization to ocean acidification in a reef-building coral | 6 |
| 7 | Chromosome-scale assembly of the coral endosymbiont <i>Symbiodinium microadriaticum</i> genome provides insight into the unique biology of dinoflagellate chromosomes | 3 |
| 6 | DNA methylation regulates transcriptional homeostasis of algal endosymbiosis in the coral model <i>Aiptasia</i> | 4 |
| 5 | Intergenerational epigenetic inheritance in reef-building corals | 6 |
| 4 | Meta-analysis reveals host-dependent nitrogen recycling as a mechanism of symbiont control in <i>Aiptasia</i> | 2 |
| 3 | Finding Nemo's Genes: A chromosome-scale reference assembly of the genome of the orange clownfish <i>Amphiprion percula</i> | 1 |
| 2 | Anchorene is an endogenous diapocarotenoid required for anchor root formation in <i>Arabidopsis</i> | 4 |
| 1 | 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 |