Corrie Moreau

List of Publications by Year
in descending order

89 papers	4,397 citations	159585 30 h-index	123424 61 g-index
98 all docs	98 docs citations	98 times ranked	5316 citing authors

#	Article	IF	Citations
1	Phylogeny of the Ants: Diversification in the Age of Angiosperms. Science, 2006, 312, 101-104.	12.6	684
2	Bacterial gut symbionts are tightly linked with the evolution of herbivory in ants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21236-21241.	7.1	318
3	TESTING THE MUSEUM VERSUS CRADLE TROPICAL BIOLOGICAL DIVERSITY HYPOTHESIS: PHYLOGENY, DIVERSIFICATION, AND ANCESTRAL BIOGEOGRAPHIC RANGE EVOLUTION OF THE ANTS. Evolution; International Journal of Organic Evolution, 2013, 67, 2240-2257.	2.3	290
4	Inferring Phylogenies from RAD Sequence Data. PLoS ONE, 2012, 7, e33394.	2.5	281
5	Highly similar microbial communities are shared among related and trophically similar ant species. Molecular Ecology, 2012, 21, 2282-2296.	3.9	159
6	SPECIALIZATION AND GEOGRAPHIC ISOLATION AMONGWOLBACHIASYMBIONTS FROM ANTS AND LYCAENID BUTTERFLIES. Evolution; International Journal of Organic Evolution, 2009, 63, 624-640.	2.3	148
7	Surveying the Microbiome of Ants: Comparing 454 Pyrosequencing with Traditional Methods To Uncover Bacterial Diversity. Applied and Environmental Microbiology, 2013, 79, 525-534.	3.1	122
8	Unraveling the evolutionary history of the hyperdiverse ant genus Pheidole (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Tc	2.7	115
9	Herbivorous turtle ants obtain essential nutrients from a conserved nitrogen-recycling gut microbiome. Nature Communications, 2018, 9, 964.	12.8	115
10	A Veritable Menagerie of Heritable Bacteria from Ants, Butterflies, and Beyond: Broad Molecular Surveys and a Systematic Review. PLoS ONE, 2012, 7, e51027.	2.5	107
11	DNA extraction protocols cause differences in 16S rRNA amplicon sequencing efficiency but not in community profile composition or structure. MicrobiologyOpen, 2014, 3, 910-921.	3.0	89
12	Correlates of gut community composition across an ant species (<scp>C</scp>ephalotes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 1284-1300.	3.9	82
13	Defensive traits exhibit an evolutionary tradeâ€off and drive diversification in ants. Evolution; International Journal of Organic Evolution, 2017, 71, 315-328.	2.3	77
14	Evolution of the indoor biome. Trends in Ecology and Evolution, 2015, 30, 223-232.	8.7	75
15	Understanding Cultivar-Specificity and Soil Determinants of the Cannabis Microbiome. PLoS ONE, 2014, 9, e99641.	2.5	73
16	Antâ€“plant interactions evolved through increasing interdependence. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12253-12258.	7.1	71
17	Army Ants Harbor a Host-Specific Clade of Entomoplasmatales Bacteria. Applied and Environmental Microbiology, 2011, 77, 346-350.	3.1	68
18	The structured diversity of specialized gut symbionts of the New World army ants. Molecular Ecology, 2017, 26, 3808-3825.	3.9	62

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19	Origins of Aminergic Regulation of Behavior in Complex Insect Social Systems. Frontiers in Systems Neuroscience, 2017, 11, 74.	2.5	61
20	Bulldog Ants of the Eocene Okanagan Highlands and History of the Subfamily (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.5	57
21	Bacterial Infections across the Ants: Frequency and Prevalence ofWolbachia, Spiroplasma, andAsaia. Psyche: Journal of Entomology, 2013, 2013, 1-11.	0.9	50
22	DNA preservation: a test of commonly used preservatives for insects. Invertebrate Systematics, 2013, 27, 81.	1.3	49
23	Entomological Collections in the Age of Big Data. Annual Review of Entomology, 2018, 63, 513-530.	11.8	49
24	Coevolution of Genome Architecture and Social Behavior. Trends in Ecology and Evolution, 2019, 34, 844-855.	8.7	49
25	Early and dynamic colonization of Central America drives speciation in Neotropical army ants. Molecular Ecology, 2017, 26, 859-870.	3.9	48
26	Comparative genomics reveals convergent rates of evolution in antâ€“plant mutualisms. Nature Communications, 2016, 7, 12679.	12.8	47
27	Introduction: The hostâ€associated microbiome: Pattern, process and function. Molecular Ecology, 2018, 27, 1749-1765.	3.9	46
28	The Dynamic Discipline of Species Delimitation: Progress Toward Effectively Recognizing Species Boundaries in Natural Populations. , 2015, , 11-44.		44
29	Digitization of museum collections holds the potential to enhance researcher diversity. Nature Ecology and Evolution, 2017, 1, 1789-1790.	7.8	42
30	Insights into Circovirus Host Range from the Genomic Fossil Record. Journal of Virology, 2018, 92, .	3.4	39
31	Symbioses among ants and microbes. Current Opinion in Insect Science, 2020, 39, 1-5.	4.4	36
32	Gut bacteria are essential for normal cuticle development in herbivorous turtle ants. Nature Communications, 2021, 12, 676.	12.8	35
33	Biogeography and morphological evolution in a Pacific island ant radiation. Molecular Ecology, 2011, 20, 114-130.	3.9	34
34	Dietary specialization in mutualistic acaciaâ€ants affects relative abundance but not identity of hostâ€associated bacteria. Molecular Ecology, 2019, 28, 900-916.	3.9	34
35	Colony size evolution in ants: macroevolutionary trends. Insectes Sociaux, 2016, 63, 291-298.	1.2	30
36	Assessing the Diversity of Endogenous Viruses Throughout Ant Genomes. Frontiers in Microbiology, 2019, 10, 1139.	3.5	28

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37	Influence of interspecific competition on the recruitment behavior and liquid food transport in the tramp ant species Pheidole megacephala. Die Naturwissenschaften, 2005, 92, 324-327.	1.6	27
38	Predatory abilities favour the success of the invasive ant Pheidole megacephala in an introduced area. Journal of Applied Entomology, 2007, 131, 625-629.	1.8	27
39	Analysis of tropical and temperate elevational gradients in arthropod abundance. Frontiers of Biogeography, 2019, 11, .	1.8	27
40	Evidence for convergent evolution of host parasitic manipulation in response to environmental conditions. Evolution; International Journal of Organic Evolution, 2018, 72, 2144-2155.	2.3	25
41	Body size variation and caste ratios in geographically distinct populations of the invasive big-headed ant,Pheidole megacephala(Hymenoptera: Formicidae). Biological Journal of the Linnean Society, 2014, 113, 423-438.	1.6	23
42	The predatory behavior of Pheidole megacephala. Comptes Rendus - Biologies, 2007, 330, 701-709.	0.2	22
43	Investment in higher order central processing regions is not constrained by brain size in social insects. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140217.	2.6	22
44	Will DNA barcoding meet taxonomic needs?. Science, 2019, 365, 873-874.	12.6	22
45	Diversity and Persistence of the Gut Microbiome of the Giant Neotropical Bullet Ant. Integrative and Comparative Biology, 2017, 57, 682-689.	2.0	21
46	Exploring phenotypic plasticity and biogeography in emerald moths: A phylogeny of the genus Nemoria (Lepidoptera: Geometridae). Molecular Phylogenetics and Evolution, 2008, 49, 477-487.	2.7	20
47	Ontogenetic Diet Change in the Arthroleptid Frog Schoutedenella xenodactyloides. Journal of Herpetology, 2006, 40, 388-394.	0.5	19
48	Subcaste-specific evolution of head size in the ant genusPheidole. Biological Journal of the Linnean Society, 2016, 118, 472-485.	1.6	19
49	Out of Southâ€East Asia: phylogeny and biogeography of the spiny ant genus Polyrhachis Smith (Hymenoptera: Formicidae). Systematic Entomology, 2016, 41, 369-378.	3.9	19
50	Community analysis of microbial sharing and specialization in a Costa Rican antâ€“plantâ€“hemipteran symbiosis. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162770.	2.6	19
51	Diversity of Wolbachia Associated with the Giant Turtle Ant, Cephalotes atratus. Current Microbiology, 2019, 76, 1330-1337.	2.2	19
52	Sharing and reporting benefits from biodiversity research. Molecular Ecology, 2021, 30, 1103-1107.	3.9	19
53	The raiding success of Pheidole megacephala on other ants in both its native and introduced ranges. Comptes Rendus - Biologies, 2008, 331, 631-635.	0.2	18
54	Ants of the Florida Keys: Species Accounts, Biogeography, and Conservation (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Tc	1.5	17

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55	Tracing the phylogeographic history of Southeast Asian long-tailed macaques through mitogenomes of museum specimens. Molecular Phylogenetics and Evolution, 2017, 116, 227-238.	2.7	16
56	Disentangling the assembly mechanisms of ant cuticular bacterial communities of two Amazonian ant species sharing a common arboreal nest. Molecular Ecology, 2020, 29, 1372-1385.	3.9	15
57	Museum genomics reveals the Xerces blue butterfly (Glaucopsyche xerces) was a distinct species driven to extinction. Biology Letters, 2021, 17, 20210123.	2.3	15
58	An Ancient Divide in a Contiguous Rainforest: Endemic Earthworms in the Australian Wet Tropics. PLoS ONE, 2015, 10, e0136943.	2.5	15
59	Localization of Bacterial Communities within Gut Compartments acrossCephalotesTurtle Ants. Applied and Environmental Microbiology, 2021, 87, .	3.1	14
60	Estimating species relative abundances from museum records. Methods in Ecology and Evolution, 2023, 14, 431-443.	5.2	14
61	Evolutionary transitions of complex labile traits: Silk weaving and arboreal nesting in Polyrhachis ants. Behavioral Ecology and Sociobiology, 2015, 69, 449-458.	1.4	13
62	The Diversity and Distribution of Wolbachia, Rhizobiales, and Ophiocordyceps Within the Widespread Neotropical Turtle Ant, Cephalotes atratus (Hymenoptera: Formicidae). Neotropical Entomology, 2020, 49, 52-60.	1.2	13
63	The Evolution and Biogeography of Wolbachia in Ants (Hymenoptera: Formicidae). Diversity, 2020, 12, 426.	1.7	13
64	Competition with insectivorous ants as a contributor to low songbird diversity at low elevations in the eastern Himalaya. Ecology and Evolution, 2020, 10, 4280-4290.	1.9	13
65	Development but not diet alters microbial communities in the Neotropical arboreal trap jaw ant Daceton armigerum: an exploratory study. Scientific Reports, 2020, 10, 7350.	3.3	13
66	Wolbachia Across Social Insects: Patterns and Implications. Annals of the Entomological Society of America, 2021, 114, 206-218.	2.5	12
67	Ants: Phylogeny and Classification. , 2020, , 1-18.		12
68	Host Plant Use by Competing Acacia-Ants: Mutualists Monopolize While Parasites Share Hosts. PLoS ONE, 2012, 7, e37691.	2.5	11
69	Assessing Biosynthetic Gene Cluster Diversity of Specialized Metabolites in the Conserved Gut Symbionts of Herbivorous Turtle Ants. Frontiers in Microbiology, 2021, 12, 678100.	3.5	10
70	Spine and dine: A key defensive trait promotes ecological success in spiny ants. Ecology and Evolution, 2020, 10, 5852-5863.	1.9	9
71	The genomic basis of army ant chemosensory adaptations. Molecular Ecology, 2021, 30, 6627-6641.	3.9	9
72	Influence of host phylogeny, geographical location and seed harvesting diet on the bacterial community of globally distributed Pheidole ants. PeerJ, 2020, 8, e8492.	2.0	9

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73	Phylogenomics and Fossil Data Inform the Systematics and Geographic Range Evolution of a Diverse Neotropical Ant Lineage. Insect Systematics and Diversity, 2022, 6, .	1.7	8
74	A new ant genus from southern Argentina and southern Chile, Patagonomyrmex (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	0.5	7
75	Ants: Phylogeny and Classification. , 2021, , 52-69.		6
76	An Empirical Test of Reduced-Representation Genomics to Infer Species-Level Phylogenies for Two Ant Groups. Insect Systematics and Diversity, 2017, 1, .	1.7	5
77	A Phylogenetic Analysis of the Dirt Ants, Basiceros (Formicidae: Myrmicinae): Inferring Life Histories Through Morphological Convergence. Insect Systematics and Diversity, 2019, 3, .	1.7	5
78	Fossil Cross-validation of the Dated Ant Phylogeny (Hymenoptera: Formicidae). Entomologica Americana, 2011, 117, 127-133.	0.2	3
79	Fossil Cross-Validation of the Dated Ant Phylogeny (Hymenoptera: Formicidae). Entomologica Americana, 2011, 117, 22-27.	0.2	3
80	Report of the 13th Genomic Standards Consortium Meeting, Shenzhen, China, March 4â€“7, 2012.. Standards in Genomic Sciences, 2012, 6, 276-286.	1.5	3
81	Phylogenetic analysis and trait evolution of ant cocoons. Insect Systematics and Evolution, 2021, 53, 60-77.	0.7	3
82	Fund natural-history museums, not de-extinction. Nature, 2021, 598, 32-32.	27.8	3
83	What Do Molecular Clocks Tell Us About the Evolution of Ants?. American Entomologist, 2011, 57, 52-53.	0.2	2
84	A New Species of Seed-harvester Ant, <i>Pogonomyrmex hoelldobleri</i> (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	2
85	Myrmecology: majority of females only within the colony. Boletim Do Museu Paraense EmÃlio Goeldi CiÃªncias Naturais (Impresso), 2020, 15, 17-26.	0.2	2
86	A framework for educating and empowering students by teaching about history and consequences of bias in STEM. Pathogens and Disease, 2022, 80, .	2.0	2
87	Novel approach to heritability detection suggests robustness to paternal genotype in a complex morphological trait. Ecology and Evolution, 2017, 7, 4179-4191.	1.9	1
88	Edward O. Wilson (1929â€“2021). Nature Ecology and Evolution, 2022, 6, 240-241.	7.8	1
89	Intestinal Symbionts. , 2020, , 1-5.		0