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List of Publications by Year
in descending order

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64 papers	3,845 citations	159585 30 h-index	133252 59 g-index
66 all docs	66 docs citations	66 times ranked	4671 citing authors

#	Article	IF	Citations
1	Animal Behavior and the Microbiome. Science, 2012, 338, 198-199.	12.6	400
2	Immunity and other defenses in pea aphids, Acyrthosiphon pisum. Genome Biology, 2010, 11, R21.	9.6	389
3	Symbiosis and Insect Diversification: an Ancient Symbiont of Sap-Feeding Insects from the Bacterial Phylum Bacteroidetes. Applied and Environmental Microbiology, 2005, 71, 8802-8810.	3.1	327
4	The Genome Sequence of the Leaf-Cutter Ant Atta cephalotes Reveals Insights into Its Obligate Symbiotic Lifestyle. PLoS Genetics, 2011, 7, e1002007.	3.5	231
5	An out-of-body experience: the extracellular dimension for the transmission of mutualistic bacteria in insects. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142957.	2.6	222
6	Fungus-farming insects: Multiple origins and diverse evolutionary histories. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15247-15249.	7.1	171
7	Non-immunological defense in an evolutionary framework. Trends in Ecology and Evolution, 2011, 26, 242-248.	8.7	152
8	Horizontally transferred fungal carotenoid genes in the two-spotted spider mite <i>Tetranychus urticae</i>. Biology Letters, 2012, 8, 253-257.	2.3	151
9	Specificity in the symbiotic association between fungus-growing ants and protective <i>Pseudonocardia</i> bacteria. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1814-1822.	2.6	135
10	Symbiont-Mediated Protection against Fungal Pathogens in Pea Aphids: a Role for Pathogen Specificity?. Applied and Environmental Microbiology, 2013, 79, 2455-2458.	3.1	99
11	Leucoagaricus gongylophorus Produces Diverse Enzymes for the Degradation of Recalcitrant Plant Polymers in Leaf-Cutter Ant Fungus Gardens. Applied and Environmental Microbiology, 2013, 79, 3770-3778.	3.1	98
12	Mechanisms of symbiont-conferred protection against natural enemies: an ecological and evolutionary framework. Current Opinion in Insect Science, 2014, 4, 8-14.	4.4	91
13	Characterisation of immune responses in the pea aphid, Acyrthosiphon pisum. Journal of Insect Physiology, 2011, 57, 830-839.	2.0	87
14	Variation in<i>Pseudonocardia</i>antibiotic defence helps govern parasiteâ€induced morbidity in<i>Acromyrmex</i>leafâ€cutting ants. Environmental Microbiology Reports, 2010, 2, 534-540.	2.4	77
15	Small genome of the fungus <i>Escovopsis weberi</i> , a specialized disease agent of ant agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3567-3572.	7.1	71
16	The symbiont side of symbiosis: do microbes really benefit?. Frontiers in Microbiology, 2014, 5, 510.	3.5	67
17	Exploiting a mutualism: parasite specialization on cultivars within the fungusâ€“growing ant symbiosis. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1791-1798.	2.6	65
18	Ancient Hostâ€“Pathogen Associations Maintained by Specificity of Chemotaxis and Antibiosis. PLoS Biology, 2006, 4, e235.	5.6	65

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19	Symbiont Digestive Range Reflects Host Plant Breadth in Herbivorous Beetles. Current Biology, 2020, 30, 2875-2886.e4.	3.9	57
20	The Combined Effects of Bacterial Symbionts and Aging on Life History Traits in the Pea Aphid, Acyrthosiphon pisum. Applied and Environmental Microbiology, 2014, 80, 470-477.	3.1	56
21	Complex host-pathogen coevolution in the Apterostigma fungus-growing ant-microbe symbiosis. BMC Evolutionary Biology, 2006, 6, 88.	3.2	54
22	Aphids indirectly increase virulence and transmission potential of a monarch butterfly parasite by reducing defensive chemistry of a shared food plant. Ecology Letters, 2011, 14, 453-461.	6.4	53
23	Dietâ€“microbiomeâ€“disease: Investigating dietâ€™s influence on infectious disease resistance through alteration of the gut microbiome. PLoS Pathogens, 2019, 15, e1007891.	4.7	49
24	Experimental Evolution as an Underutilized Tool for Studying Beneficial Animalâ€“Microbe Interactions. Frontiers in Microbiology, 2016, 07, 1444.	3.5	45
25	Transcriptional profile and differential fitness in a specialist milkweed insect across host plants varying in toxicity. Molecular Ecology, 2017, 26, 6742-6761.	3.9	42
26	Evolution of animal immunity in the light of beneficial symbioses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190601.	4.0	41
27	Discovery of Paratelenomus saccharalis (Dodd) (Hymenoptera: Platygastridae), an Egg Parasitoid of Megacopta cribraria F. (Hemiptera: Plataspidae) in its Expanded North American Range. Journal of Entomological Science, 2013, 48, 355-359.	0.3	40
28	GENETIC VARIATION IN RESISTANCE AND FECUNDITY TOLERANCE IN A NATURAL HOST-PATHOGEN INTERACTION. Evolution; International Journal of Organic Evolution, 2014, 68, n/a-n/a.	2.3	40
29	Transcriptomics of monarch butterflies (<i>Danaus plexippus</i>) reveals that toxic host plants alter expression of detoxification genes and downâ€regulate a small number of immune genes. Molecular Ecology, 2019, 28, 4845-4863.	3.9	40
30	Aphid reproductive investment in response to mortality risks. BMC Evolutionary Biology, 2010, 10, 251.	3.2	35
31	Escherichia coli K-12 pathogenicity in the pea aphid, Acyrthosiphon pisum, reveals reduced antibacterial defense in aphids. Developmental and Comparative Immunology, 2011, 35, 1091-1097.	2.3	35
32	Condition-dependent alteration of cellular immunity by secondary symbionts in the pea aphid, Acyrthosiphon pisum. Journal of Insect Physiology, 2016, 86, 17-24.	2.0	35
33	Establishment and maintenance of aphid endosymbionts after horizontal transfer is dependent on host genotype. Biology Letters, 2017, 13, 20170016.	2.3	26
34	Labile associations between fungus-growing ant cultivars and their garden pathogens. ISME Journal, 2007, 1, 373-384.	9.8	25
35	A need to consider the evolutionary genetics of hostâ€“symbiont mutualisms. Journal of Evolutionary Biology, 2020, 33, 1656-1668.	1.7	25
36	Patterns of Specificity of the Pathogen <i>Escovopsis</i> across the Fungus-Growing Ant Symbiosis. American Naturalist, 2016, 188, 52-65.	2.1	21

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37	Lifeâ€history strategy determines constraints on immune function. Journal of Animal Ecology, 2017, 86, 473-483.	2.8	21
38	The influence of symbiotic bacteria on reproductive strategies and wing polyphenism in pea aphids responding to stress. Journal of Animal Ecology, 2019, 88, 601-611.	2.8	18
39	Exposure to natural pathogens reveals costly aphid response to fungi but not bacteria. Ecology and Evolution, 2014, 4, 488-493.	1.9	15
40	An integrative approach to symbiont-mediated vector control for agricultural pathogens. Current Opinion in Insect Science, 2020, 39, 57-62.	4.4	14
41	Even obligate symbioses show signs of ecological contingency: Impacts of symbiosis for an invasive stinkbug are mediated by host plant context. Ecology and Evolution, 2019, 9, 9087-9099.	1.9	13
42	The Importance of Environmentally Acquired Bacterial Symbionts for the Squash Bug (Anasa tristis), a Significant Agricultural Pest. Frontiers in Microbiology, 2021, 12, 719112.	3.5	13
43	The Bean Beetle Microbiome Project: A Course-Based Undergraduate Research Experience in Microbiology. Frontiers in Microbiology, 2020, 11, 577621.	3.5	12
44	The power of paired genomes. Molecular Ecology, 2011, 20, 2038-2040.	3.9	11
45	Association with a novel protective microbe facilitates host adaptation to a stressful environment. Evolution Letters, 2021, 5, 118-129.	3.3	11
46	The Give and Take of Host-Microbe Symbioses. Cell Host and Microbe, 2013, 14, 1-3.	11.0	10
47	Q&A: Friends (but sometimes foes) within: the complex evolutionary ecology of symbioses between host and microbes. BMC Biology, 2017, 15, 126.	3.8	9
48	The effects of <i>Bacillus subtilis </i>on<i> Caenorhabditis elegans </i>fitness after heat stress. Ecology and Evolution, 2019, 9, 3491-3499.	1.9	9
49	Can a Symbiont (Also) Be Food?. Frontiers in Microbiology, 2019, 10, 2539.	3.5	9
50	Fungi inhabiting attine ant colonies: reassessment of the genus Escovopsis and description of Luteomyces and Sympodiorosea gens. nov.. IMA Fungus, 2021, 12, 23.	3.8	8
51	Symbiont Genomic Features and Localization in the Bean Beetle <i>Callosobruchus maculatus</i>. Applied and Environmental Microbiology, 2021, 87, e0021221.	3.1	7
52	Exposure to Bacterial Signals Does Not Alter Pea Aphidsâ€™ Survival upon a Second Challenge or Investment in Production of Winged Offspring. PLoS ONE, 2013, 8, e73600.	2.5	6
53	Moving past postcolonial hybrid spaces: How Buddhist monks make meaning of biology. Science Education, 2021, 105, 473-497.	3.0	6
54	Harnessing Evolution to Elucidate the Consequences of Symbiosis. PLoS Biology, 2015, 13, e1002066.	5.6	5

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55	The resilience of reproductive interference. Evolutionary Ecology, 2021, 35, 537-553.	1.2	5
56	Competitive Exclusion of Phytopathogenic Serratia marcescens from Squash Bug Vectors by the Gut Endosymbiont <i>Caballeronia</i>. Applied and Environmental Microbiology, 2022, 88, AEM0155021.	3.1	5
57	How symbiosis and ecological context influence the variable expression of transgenerational wing induction upon fungal infection of aphids. PLoS ONE, 2018, 13, e0201865.	2.5	4
58	Population genomics reveals variable patterns of immune gene evolution in monarch butterflies (<i>Danaus plexippus</i>). Molecular Ecology, 2021, 30, 4381-4391.	3.9	4
59	Disease management in two sympatric <i>Apterostigma</i> fungusâ€growing ants for controlling the parasitic fungus <i>Escovopsis</i>. Ecology and Evolution, 2021, 11, 6041-6052.	1.9	3
60	Interactions among Escovopsis, Antagonistic Microfungi Associated with the Fungus-Growing Ant Symbiosis. Journal of Fungi (Basel, Switzerland), 2021, 7, 1007.	3.5	3
61	Coevolution's conflicting role in the establishment of beneficial associations. Evolution; International Journal of Organic Evolution, 2022, 76, 1073-1081.	2.3	2
62	Symbiosis research, technology, and education: Proceedings of the 6th International Symbiosis Society Congress held in Madison Wisconsin, USA, August 2009. Symbiosis, 2010, 51, 1-12.	2.3	1
63	Integrating Authentic Research Into the Emory-Tibet Science Initiative. Frontiers in Communication, 0, 7, .	1.2	1
64	Interchangeable allies: Exploiting development and selection to swap symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1923-1924.	7.1	0