Jacob A Russell

List of Publications by Year
in descending order

41 papers	5,824 citations	186265 28 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	4841 citing authors

#	Article	IF	Citations
1	Uncovering Active Bacterial Symbionts in Three Species of Pollen-feeding Beetles (Nitidulidae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	0
2	Turtle ants harbor metabolically versatile microbiomes with conserved functions across development and phylogeny. FEMS Microbiology Ecology, 2022, 98, .	2.7	3
3	Sharing and reporting benefits from biodiversity research. Molecular Ecology, 2021, 30, 1103-1107.	3.9	19
4	Localization of Bacterial Communities within Gut Compartments acrossCephalotesTurtle Ants. Applied and Environmental Microbiology, 2021, 87, .	3.1	14
5	Does getting defensive get you anywhere?â€"Seasonal balancing selection, temperature, and parasitoids shape realâ€world, protective endosymbiont dynamics in the pea aphid. Molecular Ecology, 2021, 30, 2449-2472.	3.9	27
6	Frequent Drivers, Occasional Passengers: Signals of Symbiont-Driven Seasonal Adaptation and Hitchhiking in the Pea Aphid, Acyrthosiphon pisum. Insects, 2021, 12, 805.	2.2	10
7	Symbiotic solutions to nitrogen limitation and amino acid imbalance in insect diets. Advances in Insect Physiology, 2020, , 161-205.	2.7	19
8	Mechanisms underlying microbial symbiosis. Advances in Insect Physiology, 2020, , 1-25.	2.7	2
9	Cultivation-assisted genome of Candidatus Fukatsuia symbiotica; the enigmatic â€˜X-typeâ€™ symbiont of aphids. Genome Biology and Evolution, 2019, 11, 3510-3522.	2.5	23
10	Herbivorous turtle ants obtain essential nutrients from a conserved nitrogen-recycling gut microbiome. Nature Communications, 2018, 9, 964.	12.8	115
11	Introduction: The hostâ€associated microbiome: Pattern, process and function. Molecular Ecology, 2018, 27, 1749-1765.	3.9	46
12	Breakdown of a defensive symbiosis, but not endogenous defences, at elevated temperatures. Molecular Ecology, 2018, 27, 2138-2151.	3.9	62
13	Contextâ€dependent vertical transmission shapes strong endosymbiont community structure in the pea aphid, Acyrthosiphon pisum. Molecular Ecology, 2018, 27, 2039-2056.	3.9	72
14	Genome Evolution of Bartonellaceae Symbionts of Ants at the Opposite Ends of the Trophic Scale. Genome Biology and Evolution, 2018, 10, 1687-1704.	2.5	26
15	The structured diversity of specialized gut symbionts of the New World army ants. Molecular Ecology, 2017, 26, 3808-3825.	3.9	62
16	Bandâ€aids for Buchnera and B vitamins for all. Molecular Ecology, 2017, 26, 2199-2203.	3.9	23
17	By their own devices: invasive Argentine ants have shifted diet without clear aid from symbiotic microbes. Molecular Ecology, 2017, 26, 1608-1630.	3.9	36
18	Dramatic Differences in Gut Bacterial Densities Correlate with Diet and Habitat in Rainforest Ants. Integrative and Comparative Biology, 2017, 57, 705-722.	2.0	77

#	Article	IF	Citations
19	Cephaloticoccus gen. nov., a new genus of â€˜Verrucomicrobiaâ€™ containing two novel species isolated from Cephalotes ant guts. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3034-3040.	1.7	48
20	Patterns, causes and consequences of defensive microbiome dynamics across multiple scales. Molecular Ecology, 2015, 24, 1135-1149.	3.9	126
21	Divergence across diet, time and populations rules out parallel evolution in the gut microbiomes of Trinidadian guppies. ISME Journal, 2015, 9, 1508-1522.	9.8	133
22	Correlates of gut community composition across an ant species (<scp>C</scp>ephalotes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 1284-1300.	3.9	82
23	Indoor-Biofilter Growth and Exposure to Airborne Chemicals Drive Similar Changes in Plant Root Bacterial Communities. Applied and Environmental Microbiology, 2014, 80, 4805-4813.	3.1	28
24	Defensive symbiosis in the real world â€“ advancing ecological studies of heritable, protective bacteria in aphids and beyond. Functional Ecology, 2014, 28, 341-355.	3.6	310
25	Nature's microbiome: introduction. Molecular Ecology, 2014, 23, 1225-1237.	3.9	36
26	Aphid-encoded variability in susceptibility to a parasitoid. BMC Evolutionary Biology, 2014, 14, 127.	3.2	59
27	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
28	Establishing a relationship between bacteria in the human gut and Complex Regional Pain Syndrome. Brain, Behavior, and Immunity, 2013, 29, 62-69.	4.1	18
29	Uncovering symbiontâ€driven genetic diversity across <scp>N</scp>orth <scp>A</scp>merican pea aphids. Molecular Ecology, 2013, 22, 2045-2059.	3.9	174
30	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
31	Highly similar microbial communities are shared among related and trophically similar ant species. Molecular Ecology, 2012, 21, 2282-2296.	3.9	159
32	Environmental and ecological factors that shape the gut bacterial communities of fish: a metaâ€analysis. Molecular Ecology, 2012, 21, 3363-3378.	3.9	814
33	Army Ants Harbor a Host-Specific Clade of Entomoplasmatales Bacteria. Applied and Environmental Microbiology, 2011, 77, 346-350.	3.1	68
34	SPECIALIZATION AND GEOGRAPHIC ISOLATION AMONGWOLBACHIASYMBIONTS FROM ANTS AND LYCAENID BUTTERFLIES. Evolution; International Journal of Organic Evolution, 2009, 63, 624-640.	2.3	148
35	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
36	Insight into the routes of Wolbachia invasion: high levels of horizontal transfer in the spider genus Agelenopsis revealed by Wolbachia strain and mitochondrial DNA diversity. Molecular Ecology, 2008, 17, 557-569.	3.9	154

#	Article	IF	Citations
37	Costs and benefits of symbiont infection in aphids: variation among symbionts and across temperatures. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 603-610.	2.6	395
38	Evolutionary Relationships of Three New Species of Enterobacteriaceae Living as Symbionts of Aphids and Other Insects. Applied and Environmental Microbiology, 2005, 71, 3302-3310.	3.1	357
39	Horizontal Transfer of Bacterial Symbionts: Heritability and Fitness Effects in a Novel Aphid Host. Applied and Environmental Microbiology, 2005, 71, 7987-7994.	3.1	126
40	Facultative bacterial symbionts in aphids confer resistance to parasitic wasps. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1803-1807.	7.1	1,080
41	Independent origins and horizontal transfer of bacterial symbionts of aphids. Molecular Ecology, 2001, 10, 217-228.	3.9	306