

Caterpillars lack a resident gut microbiome

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Contaminants of emerging concern affect <i>Trichoplusia ni</i> growth and development on artificial diets and a key host plant. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9923-E9931.	3.3	23
2	A Distinctive and Host-Restricted Gut Microbiota in Populations of a Cactophilic <i>Drosophila</i> Species. Applied and Environmental Microbiology, 2017, 83, .	1.4	34
3	Sources of Variation in the Gut Microbial Community of <i>Lycaeides melissa</i> Caterpillars. Scientific Reports, 2017, 7, 11335.	1.6	31
4	Q&A: Friends (but sometimes foes) within: the complex evolutionary ecology of symbioses between host and microbes. BMC Biology, 2017, 15, 126.	1.7	9
5	The Native Hawaiian Insect Microbiome Initiative: A Critical Perspective for Hawaiian Insect Evolution. Insects, 2017, 8, 130.	1.0	18
6	Herbivorous turtle ants obtain essential nutrients from a conserved nitrogen-recycling gut microbiome. Nature Communications, 2018, 9, 964.	5.8	115
7	What is the hologenome concept of evolution?. F1000Research, 2018, 7, 1664.	0.8	48
8	The hindgut microbiota of praying mantids is highly variable and includes both prey-associated and host-specific microbes. PLoS ONE, 2018, 13, e0208917.	1.1	7
9	The Effects of Landscape Urbanization on the Gut Microbiome: An Exploration Into the Gut of Urban and Rural White-Crowned Sparrows. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	49
10	Habitat-specific variation in gut microbial communities and pathogen prevalence in bumblebee queens (<i>Bombus terrestris</i>). PLoS ONE, 2018, 13, e0204612.	1.1	39
11	Honey bees as models for gut microbiota research. Lab Animal, 2018, 47, 317-325.	0.2	184
12	Gut-Associated Bacteria of <i>Helicoverpa zea</i> Indirectly Trigger Plant Defenses in Maize. Journal of Chemical Ecology, 2018, 44, 690-699.	0.9	19
13	The metabolic fate of dietary nicotine in the cabbage looper, <i>Trichoplusia ni</i> (L.). Journal of Insect Physiology, 2018, 109, 1-10.	0.9	9
14	<i>Ixodes scapularis</i> does not harbor a stable midgut microbiome. ISME Journal, 2018, 12, 2596-2607.	4.4	87
15	First report of the lesser wax moth <i>Achroia grisella</i> F. (Lepidoptera: Pyralidae) consuming polyethylene (silo-bag) in northwestern Argentina. Journal of Apicultural Research, 2018, 57, 569-571.	0.7	17
16	Drivers of Microbiome Biodiversity: A Review of General Rules, Feces, and Ignorance. MBio, 2018, 9, .	1.8	230
17	The importance of being persistent: The first true resident gut symbiont in <i>Drosophila</i> . PLoS Biology, 2018, 16, e2006945.	2.6	22
18	Bacterial Symbionts in Lepidoptera: Their Diversity, Transmission, and Impact on the Host. Frontiers in Microbiology, 2018, 9, 556.	1.5	243

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19	Near full-length 16S rRNA gene next-generation sequencing revealed <i>Asaia</i> as a common midgut bacterium of wild and domesticated Queensland fruit fly larvae. <i>Microbiome</i> , 2018, 6, 85.	4.9	82
20	Dietary and developmental shifts in butterfly-associated bacterial communities. <i>Royal Society Open Science</i> , 2018, 5, 171559.	1.1	38
21	Wild Bee Pollen Usage and Microbial Communities Co-vary Across Landscapes. <i>Microbial Ecology</i> , 2019, 77, 513-522.	1.4	54
22	Feather mites play a role in cleaning host feathers: New insights from <i>scn</i> DNA metabarcoding and microscopy. <i>Molecular Ecology</i> , 2019, 28, 203-218.	2.0	49
23	Dietary specialization in mutualistic acacia plants affects relative abundance but not identity of host-associated bacteria. <i>Molecular Ecology</i> , 2019, 28, 900-916.	2.0	34
24	The microbiome of the <i>Melitaea cinxia</i> butterfly shows marked variation but is only little explained by the traits of the butterfly or its host plant. <i>Environmental Microbiology</i> , 2019, 21, 4253-4269.	1.8	21
25	Host plant-dependent effects of microbes and phytochemistry on the insect immune response. <i>Oecologia</i> , 2019, 191, 141-152.	0.9	21
26	Taking insight into the gut microbiota of three spider species: No characteristic symbiont was found corresponding to the special feeding style of spiders. <i>Ecology and Evolution</i> , 2019, 9, 8146-8156.	0.8	19
27	Microbial Resources from Wild and Captive Animals. , 2019, , 39-49.		1
28	Plant defenses interact with insect enteric bacteria by initiating a leaky gut syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15991-15996.	3.3	65
29	Next-Generation Sequencing reveals relationship between the larval microbiome and food substrate in the polyphagous Queensland fruit fly. <i>Scientific Reports</i> , 2019, 9, 14292.	1.6	26
30	Survey of bacteria associated with western corn rootworm life stages reveals no difference between insects reared in different soils. <i>Scientific Reports</i> , 2019, 9, 15332.	1.6	11
31	Microbial communities of the house fly <i>Musca domestica</i> vary with geographical location and habitat. <i>Microbiome</i> , 2019, 7, 147.	4.9	70
32	Automated Verbal and Non-verbal Speech Analysis of Interviews of Individuals with Schizophrenia and Depression. , 2019, 2019, 225-228.		14
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34	Evolutionary and Ecological Consequences of Gut Microbial Communities. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019, 50, 451-475.	3.8	175
35	Social spider webs harbour largely consistent bacterial communities across broad spatial scales. <i>Biology Letters</i> , 2019, 15, 20190436.	1.0	7
36	Antibiotics as chemical warfare across multiple taxonomic domains and trophic levels in brown food webs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191536.	1.2	8

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38	Not all animals need a microbiome. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	189
39	Surface sterilization methods impact measures of internal microbial diversity in ticks. <i>Parasites and Vectors</i> , 2019, 12, 268.	1.0	81
40	Effects of diet on gut microbiota of soil collembolans. <i>Science of the Total Environment</i> , 2019, 676, 197-205.	3.9	28
41	Shifts along the parasite–mutualist continuum are opposed by fundamental trade-offs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190236.	1.2	13
42	Positive effects of the tea catechin (-)-epigallocatechin-3-gallate on gut bacteria and fitness of <i>Ectropis obliqua</i> Prout (Lepidoptera: Geometridae). <i>Scientific Reports</i> , 2019, 9, 5021.	1.6	7
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45	Targeting antibiotic resistant bacteria with phage reduces bacterial density in an insect host. <i>Biology Letters</i> , 2019, 15, 20180895.	1.0	7
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47	Foliar-feeding insects acquire microbiomes from the soil rather than the host plant. <i>Nature Communications</i> , 2019, 10, 1254.	5.8	135
48	Parasitoid envenomation alters the <i>Galleria mellonella</i> midgut microbiota and immunity, thereby promoting fungal infection. <i>Scientific Reports</i> , 2019, 9, 4012.	1.6	29
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50	Aseptic Rearing and Infection with Gut Bacteria Improve the Fitness of Transgenic Diamondback Moth, <i>Plutella xylostella</i> . <i>Insects</i> , 2019, 10, 89.	1.0	16
51	Bacterial communities within <i>Phengaris</i> (Maculinea) alcon caterpillars are shifted following transition from solitary living to social parasitism of <i>Myrmica</i> ant colonies. <i>Ecology and Evolution</i> , 2019, 9, 4452-4464.	0.8	10
52	Host plant and population source drive diversity of microbial gut communities in two polyphagous insects. <i>Scientific Reports</i> , 2019, 9, 2792.	1.6	97
53	Moderate plant water stress improves larval development, and impacts immunity and gut microbiota of a specialist herbivore. <i>PLoS ONE</i> , 2019, 14, e0204292.	1.1	17
54	The Developmental Stage Symbionts of the Pea Aphid-Feeding <i>Chrysoperla sinica</i> (Tjeder). <i>Frontiers in Microbiology</i> , 2019, 10, 2454.	1.5	25

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56	Structure and function of the bacterial and fungal gut microbiota of Neotropical butterflies. <i>Ecological Monographs</i> , 2019, 89, e01346.	2.4	56
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60	Bacterial microbiota composition of a common ectoparasite of cavity-breeding birds, the Hen Flea <i>Ceratophyllus gallinae</i> . <i>Ibis</i> , 2020, 162, 1088-1092.	1.0	5
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62	Geographically isolated Colorado potato beetle mediating distinct defense responses in potato is associated with the alteration of gut microbiota. <i>Journal of Pest Science</i> , 2020, 93, 379-390.	1.9	11
63	Gut microbiota structure differs between honeybees in winter and summer. <i>ISME Journal</i> , 2020, 14, 801-814.	4.4	175
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66	The Gut Microbiota Composition of the Moth <i>Brithys crini</i> Reflects Insect Metamorphosis. <i>Microbial Ecology</i> , 2020, 79, 960-970.	1.4	41
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70	Artificial Larval Diet Mediates the Microbiome of Queensland Fruit Fly. <i>Frontiers in Microbiology</i> , 2020, 11, 576156.	1.5	11
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74	The red flour beetle <i>Tribolium castaneum</i> : A model for host-microbiome interactions. <i>PLoS ONE</i> , 2020, 15, e0239051.	1.1	6
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82	Transmission efficiency drives host-microbe associations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200820.	1.2	30
83	Gut bacterial communities and their contribution to performance of specialist <i>Altica</i> flea beetles. <i>Microbial Ecology</i> , 2020, 80, 946-959.	1.4	6
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85	The gut bacterial community affects immunity but not metabolism in a specialist herbivorous butterfly. <i>Ecology and Evolution</i> , 2020, 10, 8755-8769.	0.8	14
86	The potential role of the gut microbiota in shaping host energetics and metabolic rate. <i>Journal of Animal Ecology</i> , 2020, 89, 2415-2426.	1.3	52
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93	Complex Relationships at the Intersection of Insect Gut Microbiomes and Plant Defenses. <i>Journal of Chemical Ecology</i> , 2020, 46, 793-807.	0.9	36
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96	The control of metabolic traits by octopamine and tyramine in invertebrates. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	50
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99	Microbial composition of enigmatic bird parasites: <i>Wolbachia</i> and <i>Spiroplasma</i> are the most important bacterial associates of quill mites (Acariformes: <i>Syringophilidae</i>). <i>MicrobiologyOpen</i> , 2020, 9, e964.	1.2	12
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105	Chemical, Physiological and Molecular Responses of Host Plants to Lepidopteran Egg-Laying. <i>Frontiers in Plant Science</i> , 2019, 10, 1768.	1.7	23
106	The Microbial Diversity of Cabbage Pest <i>Delia radicum</i> Across Multiple Life Stages. <i>Frontiers in Microbiology</i> , 2020, 11, 315.	1.5	8
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108	Gut bacteria of field-collected larvae of <i>Spodoptera frugiperda</i> undergo selection and are more diverse and active in metabolizing multiple insecticides than laboratory-selected resistant strains. <i>Journal of Pest Science</i> , 2020, 93, 833-851.	1.9	57
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110	Legacy of a Butterfly's Parental Microbiome in Offspring Performance. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
111	Neutral Processes Dominate Microbial Community Assembly in Atlantic Salmon, <i>Salmo salar</i> . Applied and Environmental Microbiology, 2020, 86, .	1.4	62
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115	Direct Comparison of Fecal and Gut Microbiota in the Blue Mussel (<i>Mytilus edulis</i>) Discourages Fecal Sampling as a Proxy for Resident Gut Community. Microbial Ecology, 2021, 81, 180-192.	1.4	15
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125	Hindgut Microbiota Reflects Different Digestive Strategies in Dung Beetles (Coleoptera: Scarabaeidae). Tj ETQq1 1 0.784314 rgBT /Over 1.4 22	1.4	22
126	Bacterial microbiota similarity between predators and prey in a blue tit trophic network. ISME Journal, 2021, 15, 1098-1107.	4.4	16
127	Effects of maize (<i>Zea mays</i>) genotypes and microbial sources in shaping fall armyworm (Spodoptera) Tj ETQq1 1 0.784314 rgBT /Over 1.6 22	1.6	22

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145	Gut Bacterial Diversity in Different Life Cycle Stages of Adelphocoris suturalis (Hemiptera: Miridae). Frontiers in Microbiology, 2021, 12, 670383.	1.5	22
146	Interkingdom Gut Microbiome and Resistome of the Cockroach <i>Blattella germanica</i> . MSystems, 2021, 6, .	1.7	13
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150	Population genomics reveals variable patterns of immune gene evolution in monarch butterflies (<i>Danaus plexippus</i>). <i>Molecular Ecology</i> , 2021, 30, 4381-4391.	2.0	4
151	Gut bacteria communities differ between <i>Gynaephora</i> species endemic to different altitudes of the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 777, 146115.	3.9	11
152	The microbiome extends host evolutionary potential. <i>Nature Communications</i> , 2021, 12, 5141.	5.8	138
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