

Philipp Engel

List of Publications by Citations

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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.

53
papers

4,189
citations

31
h-index

63
g-index

63
ext. papers

5,785
ext. citations

8.9
avg, IF

6.24
L-index

#	Paper	IF	Citations
53	The gut microbiota of insects - diversity in structure and function. <i>FEMS Microbiology Reviews</i> , 2013 , 37, 699-735	15.1	1124
52	Functional diversity within the simple gut microbiota of the honey bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11002-7	11.5	470
51	Genomics and host specialization of honey bee and bumble bee gut symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11509-14	11.5	204
50	Disentangling metabolic functions of bacteria in the honey bee gut. <i>PLoS Biology</i> , 2017 , 15, e2003467	9.7	149
49	The Bee Microbiome: Impact on Bee Health and Model for Evolution and Ecology of Host-Microbe Interactions. <i>MBio</i> , 2016 , 7, e02164-15	7.8	145
48	Metabolism of Toxic Sugars by Strains of the Bee Gut Symbiont <i>Gilliamella apicola</i> . <i>MBio</i> , 2016 , 7,	7.8	122
47	Adenylation control by intra- or intermolecular active-site obstruction in Fic proteins. <i>Nature</i> , 2012 , 482, 107-10	50.4	114
46	Genomic analysis of <i>Bartonella</i> identifies type IV secretion systems as host adaptability factors. <i>Nature Genetics</i> , 2007 , 39, 1469-76	36.3	111
45	Hidden diversity in honey bee gut symbionts detected by single-cell genomics. <i>PLoS Genetics</i> , 2014 , 10, e1004596	6	102
44	Genomic diversity landscape of the honey bee gut microbiota. <i>Nature Communications</i> , 2019 , 10, 446	17.4	93
43	Comparative metabolomics and structural characterizations illuminate colibactin pathway-dependent small molecules. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9244-7	16.4	91
42	The Trw type IV secretion system of <i>Bartonella</i> mediates host-specific adhesion to erythrocytes. <i>PLoS Pathogens</i> , 2010 , 6, e1000946	7.6	84
41	Immune system stimulation by the gut symbiont <i>Frischella perrara</i> in the honey bee (<i>Apis mellifera</i>). <i>Molecular Ecology</i> , 2017 , 26, 2576-2590	5.7	80
40	Gut microbiota structure differs between honeybees in winter and summer. <i>ISME Journal</i> , 2020 , 14, 801-814	11.4	78
39	Parallel evolution of a type IV secretion system in radiating lineages of the host-restricted bacterial pathogen <i>Bartonella</i> . <i>PLoS Genetics</i> , 2011 , 7, e1001296	6	75
38	<i>Frischella perrara</i> gen. nov., sp. nov., a gammaproteobacterium isolated from the gut of the honeybee, <i>Apis mellifera</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 3646-3651	2.2	73
37	Genome-wide screen identifies host colonization determinants in a bacterial gut symbiont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13887-13892	11.5	70

36	Functional and evolutionary insights into the simple yet specific gut microbiota of the honey bee from metagenomic analysis. <i>Gut Microbes</i> , 2013 , 4, 60-5	8.8	70
35	Beyond 16S rRNA Community Profiling: Intra-Species Diversity in the Gut Microbiota. <i>Frontiers in Microbiology</i> , 2016 , 7, 1475	5.7	68
34	<i>Bartonella apis</i> sp. nov., a honey bee gut symbiont of the class Alphaproteobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 414-421	2.2	65
33	The Bacterium <i>Frischella perrara</i> Causes Scab Formation in the Gut of its Honeybee Host. <i>MBio</i> , 2015 , 6, e00193-15	7.8	62
32	Functional roles and metabolic niches in the honey bee gut microbiota. <i>Current Opinion in Microbiology</i> , 2018 , 43, 69-76	7.9	62
31	Standard methods for research on <i>Apis mellifera</i> gut symbionts. <i>Journal of Apicultural Research</i> , 2013 , 52, 1-24	2	62
30	Gut microbiota composition is associated with environmental landscape in honey bees. <i>Ecology and Evolution</i> , 2018 , 8, 441-451	2.8	59
29	Herbivorous turtle ants obtain essential nutrients from a conserved nitrogen-recycling gut microbiome. <i>Nature Communications</i> , 2018 , 9, 964	17.4	57
28	Genomic changes associated with the evolutionary transition of an insect gut symbiont into a blood-borne pathogen. <i>ISME Journal</i> , 2017 , 11, 1232-1244	11.9	53
27	Gut symbionts from distinct hosts exhibit genotoxic activity via divergent colibactin biosynthesis pathways. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 1502-12	4.8	50
26	High dietary fat intake induces a microbiota signature that promotes food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 144, 157-170.e8	11.5	49
25	The BatR/BatS two-component regulatory system controls the adaptive response of <i>Bartonella henselae</i> during human endothelial cell infection. <i>Journal of Bacteriology</i> , 2010 , 192, 3352-67	3.5	47
24	The gut microbiome is associated with behavioural task in honey bees. <i>Insectes Sociaux</i> , 2018 , 65, 419-429.5	2.5	44
23	A bacterial toxin-antitoxin module is the origin of inter-bacterial and inter-kingdom effectors of <i>Bartonella</i> . <i>PLoS Genetics</i> , 2017 , 13, e1007077	6	32
22	Evolutionary Dynamics of Pathoadaptation Revealed by Three Independent Acquisitions of the VirB/D4 Type IV Secretion System in <i>Bartonella</i> . <i>Genome Biology and Evolution</i> , 2017 , 9, 761-776	3.9	29
21	Vast Differences in Strain-Level Diversity in the Gut Microbiota of Two Closely Related Honey Bee Species. <i>Current Biology</i> , 2020 , 30, 2520-2531.e7	6.3	28
20	Genomics of host-restricted pathogens of the genus <i>Bartonella</i> . <i>Genome Dynamics</i> , 2009 , 6, 158-169		19
19	Genomic changes underlying host specialization in the bee gut symbiont <i>Lactobacillus Firm5</i> . <i>Molecular Ecology</i> , 2019 , 28, 2224-2237	5.7	18

18	The gut microbiota - brain axis of insects. <i>Current Opinion in Insect Science</i> , 2020 , 39, 6-13	5.1	18
17	Honey bees harbor a diverse gut virome engaging in nested strain-level interactions with the microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7355-7362	11.5	14
16	Mechanisms underlying gut microbiota-host interactions in insects. <i>Journal of Experimental Biology</i> , 2021 , 224,	3	14
15	Probiotic Treatment with a Gut Symbiont Leads to Parasite Susceptibility in Honey Bees. <i>Trends in Parasitology</i> , 2016 , 32, 914-916	6.4	12
14	Origin and Evolution of the Bartonella Gene Transfer Agent. <i>Molecular Biology and Evolution</i> , 2018 , 35, 451-464	8.3	9
13	Bacterial communities within caterpillars are shifted following transition from solitary living to social parasitism of ant colonies. <i>Ecology and Evolution</i> , 2019 , 9, 4452-4464	2.8	8
12	A prevalent and culturable microbiota links ecological balance to clinical stability of the human lung after transplantation. <i>Nature Communications</i> , 2021 , 12, 2126	17.4	8
11	Suppression of High-Fat Diet-Induced Obesity by <i>Platycodon Grandiflorus</i> in Mice Is Linked to Changes in the Gut Microbiota. <i>Journal of Nutrition</i> , 2020 , 150, 2364-2374	4.1	7
10	Disentangling associated genomes. <i>Methods in Enzymology</i> , 2013 , 531, 445-64	1.7	7
9	Niche partitioning facilitates coexistence of closely related honey bee gut bacteria. <i>ELife</i> , 2021 , 10,	8.9	7
8	New Reference Genome Sequences for 17 Bacterial Strains of the Honey Bee Gut Microbiota. <i>Microbiology Resource Announcements</i> , 2018 , 7,	1.3	6
7	Impact of Chronic Exposure to Sublethal Doses of Glyphosate on Honey Bee Immunity, Gut Microbiota and Infection by Pathogens. <i>Microorganisms</i> , 2021 , 9,	4.9	5
6	Disentangling metabolic functions of bacteria in the honey bee gut		4
5	Mild chronic exposure to pesticides alters physiological markers of honey bee health without perturbing the core gut microbiota.. <i>Scientific Reports</i> , 2022 , 12, 4281	4.9	3
4	Vast differences in strain-level diversity in the gut microbiota of two closely related honey bee species		2
3	Gut microbiota structure differs between honey bees in winter and summer		2
2	Functional strain redundancy and persistent phage infection in Swiss hard cheese starter cultures. <i>ISME Journal</i> , 2021 ,	11.9	2
1	Home or hospital birth: the neonatal microbiota perspective.. <i>Lancet Microbe</i> , 2022 , 3, e247	22.2	

