Irene L G Newton

List of Publications by Year
in descending order

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75 papers	3,090 citations	218592 26 h-index	189801 50 g-index
80 all docs	80 docs citations	80 times ranked	3458 citing authors

#	Article	IF	Citations
1	The Bee Microbiome: Impact on Bee Health and Model for Evolution and Ecology of Host-Microbe Interactions. MBio, 2016, 7, e02164-15.	1.8	215
2	Saccharide breakdown and fermentation by the honey bee gut microbiome. Environmental Microbiology, 2015, 17, 796-815.	1.8	208
3	The Calyptogena magnifica Chemoautotrophic Symbiont Genome. Science, 2007, 315, 998-1000.	6.0	194
4	Chemosynthetic endosymbioses: adaptations to oxicâ€“anoxic interfaces. Trends in Microbiology, 2005, 13, 439-448.	3.5	193
5	Phylogenetic and metabolic diversity of bacteria associated with cystic fibrosis. ISME Journal, 2011, 5, 20-29.	4.4	171
6	Characterization of the Active Microbiotas Associated with Honey Bees Reveals Healthier and Broader Communities when Colonies are Genetically Diverse. PLoS ONE, 2012, 7, e32962.	1.1	143
7	Evolutionary Genetics of Cytoplasmic Incompatibility Genes cifA and cifB in Prophage WO of Wolbachia. Genome Biology and Evolution, 2018, 10, 434-451.	1.1	143
8	Conflict in the Intracellular Lives of Endosymbionts and Viruses: A Mechanistic Look at Wolbachia-Mediated Pathogen-blocking. Viruses, 2018, 10, 141.	1.5	135
9	Development of the Honey Bee Gut Microbiome throughout the Queen-Rearing Process. Applied and Environmental Microbiology, 2015, 81, 3182-3191.	1.4	97
10	Marine Chemosynthetic Symbioses. , 2006, , 475-507.		96
11	Correlations Between Bacterial Ecology and Mobile DNA. Current Microbiology, 2011, 62, 198-208.	1.0	93
12	Complete Bacteriophage Transfer in a Bacterial Endosymbiont (Wolbachia) Determined by Targeted Genome Capture. Genome Biology and Evolution, 2011, 3, 209-218.	1.1	89
13	Wolbachia Utilize Host Actin for Efficient Maternal Transmission in Drosophila melanogaster. PLoS Pathogens, 2015, 11, e1004798.	2.1	78
14	Wolbachia elevates host methyltransferase expression to block an RNA virus early during infection. PLoS Pathogens, 2017, 13, e1006427.	2.1	73
15	On the evolutionary ecology of symbioses between chemosynthetic bacteria and bivalves. Applied Microbiology and Biotechnology, 2012, 94, 1-10.	1.7	62
16	Developmental and Ecological Benefits of the Maternally Transmitted Microbiota in a Dung Beetle. American Naturalist, 2016, 188, 679-692.	1.0	59
17	The Jekyll and Hyde Symbiont: Could Wolbachia Be a Nutritional Mutualist?. Journal of Bacteriology, 2020, 202, .	1.0	59
18	Identification and Characterization of a Candidate Wolbachia pipientis Type IV Effector That Interacts with the Actin Cytoskeleton. MBio, 2016, 7, .	1.8	58

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19	Large-Scale Identification of Wolbachia pipientis Effectors. Genome Biology and Evolution, 2017, 9, 1925-1937.	1.1	58
20	Dynamics ofWolbachia pipientisGene Expression Across theDrosophila melanogasterLife Cycle. G3: Genes, Genomes, Genetics, 2015, 5, 2843-2856.	0.8	55
21	Interactions between Cooccurring Lactic Acid Bacteria in Honey Bee Hives. Applied and Environmental Microbiology, 2015, 81, 7261-7270.	1.4	54
22	A Bacterial Symbiont Protects Honey Bees from Fungal Disease. MBio, 2021, 12, e0050321.	1.8	52
23	Comparative genomics of vesicomyid clam (Bivalvia: Mollusca) chemosynthetic symbionts. BMC Genomics, 2008, 9, 585.	1.2	47
24	The effect of training set on the classification of honey bee gut microbiota using the NaÃ¯ve Bayesian Classifier. BMC Microbiology, 2012, 12, 221.	1.3	44
25	Wolbachia pipientis should not be split into multiple species: A response to RamÃrez-Puebla et al., â€œSpecies in Wolbachia? Proposal for the designation of â€˜Candidatus Wolbachia bourtzisiiâ€™, â€˜Candidatus Wolbachia onchocercicolaâ€™, â€˜Candidatus Wolbachia blaxteriâ€™, â€˜Candidatus Wolbachia brugiiâ€™, â€˜Candidatus Wolbachia taylioriâ€™, â€˜Candidatus Wolbachia collembolicolaâ€™ and â€˜Candidatus Wolbachia multihospitumâ€™ for the different species within Wolbachia supergroupsâ€, Systematic and Applied Microbiology, 2016, 39, 220-222.	1.2	37
26	Comparative Genomics of Two Closely RelatedWolbachiawith Different Reproductive Effects on Hosts. Genome Biology and Evolution, 2016, 8, 1526-1542.	1.1	35
27	Differential carbohydrate utilization and organic acid production by honey bee symbionts. FEMS Microbiology Ecology, 2018, 94, .	1.3	34
28	Chimeric Coupling Proteins Mediate Transfer of Heterologous Type IV Effectors through the Escherichia coli pKM101-Encoded Conjugation Machine. Journal of Bacteriology, 2016, 198, 2701-2718.	1.0	33
29	Viral RNA is a target for Wolbachia-mediated pathogen blocking. PLoS Pathogens, 2020, 16, e1008513.	2.1	30
30	The Microbial Community of Tardigrades: Environmental Influence and Species Specificity of Microbiome Structure and Composition. Microbial Ecology, 2018, 76, 467-481.	1.4	28
31	No apparent correlation between honey bee forager gut microbiota and honey production. PeerJ, 2015, 3, e1329.	0.9	28
32	(My Microbiome) Would Walk 10,000Âmiles: Maintenance and Turnover of Microbial Communities in Introduced Dung Beetles. Microbial Ecology, 2020, 80, 435-446.	1.4	27
33	Diversity and function of arthropod endosymbiont toxins. Trends in Microbiology, 2022, 30, 185-198.	3.5	27
34	The genome of the intracellular bacterium of the coastal bivalve, Solemya velum: a blueprint for thriving in and out of symbiosis. BMC Genomics, 2014, 15, 924.	1.2	26
35	Reclassification of seven honey bee symbiont strains as Bombella apis. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	26
36	Marine Chemosynthetic Symbioses. , 2013, , 579-607.		23

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37	Wolbachia and Virus Alter the Host Transcriptome at the Interface of Nucleotide Metabolism Pathways. MBio, 2021, 12, .	1.8	23
38	Passage of Wolbachia pipientis through Mutant Drosophila melanogaster Induces Phenotypic and Genomic Changes. Applied and Environmental Microbiology, 2015, 81, 1032-1037.	1.4	20
39	Complete genome sequence of Candidatus Ruthia magnifica. Standards in Genomic Sciences, 2010, 3, 163-173.	1.5	18
40	Genomic Signatures of Honey Bee Association in an Acetic Acid Symbiont. Genome Biology and Evolution, 2020, 12, 1882-1894.	1.1	18
41	Honey bee symbiont buffers larvae against nutritional stress and supplements lysine. ISME Journal, 2022, 16, 2160-2168.	4.4	17
42	Mi Casa es Su Casa: how an intracellular symbiont manipulates host biology. Environmental Microbiology, 2019, 21, 3188-3196.	1.8	16
43	Further insights in the Tardigrada microbiome: phylogenetic position and prevalence of infection of four new Alphaproteobacteria putative endosymbionts. Zoological Journal of the Linnean Society, 2020, 188, 925-937.	1.0	15
44	Transitions and transmission: behavior and physiology as drivers of honey bee-associated microbial communities. Current Opinion in Microbiology, 2019, 50, 1-7.	2.3	14
45	PhyBin: binning trees by topology. PeerJ, 2013, 1, e187.	0.9	12
46	Differential viral RNA methylation contributes to pathogen blocking in Wolbachia-colonized arthropods. PLoS Pathogens, 2022, 18, e1010393.	2.1	12
47	Draft Genome Sequence of a Bombella apis Strain Isolated from Honey Bees. Microbiology Resource Announcements, 2019, 8, .	0.3	8
48	The Intracellular Symbiont Wolbachia pipientis Enhances Recombination in a Dose-Dependent Manner. Insects, 2020, 11, 284.	1.0	8
49	Evidence of Adaptive Evolution in Wolbachia-Regulated Gene DNMT2 and Its Role in the Dipteran Immune Response and Pathogen Blocking. Viruses, 2021, 13, 1464.	1.5	8
50	Mitochondria and Wolbachia titers are positively correlated during maternal transmission. Molecular Ecology, 2018, 27, 2634-2646.	2.0	6
51	Symbiosis Comes of Age at the 10th Biennial Meeting of Wolbachia Researchers. Applied and Environmental Microbiology, 2019, 85, .	1.4	5
52	Draft Genome Sequences of Four Saccharibacter sp. Strains Isolated from Native Bees. Microbiology Resource Announcements, 2020, 9, .	0.3	5
53	Heightened Virulence of Yersinia Is Associated with Decreased Function of the YopJ Protein. Infection and Immunity, 2021, 89, e0043021.	1.0	5
54	Gateway Entry Vector Library of Wolbachia pipientis Candidate Effectors from Strain w Mel. Microbiology Resource Announcements, 2018, 7, .	0.3	4

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55	The ASM Journals Committee Values the Contributions of Black Microbiologists. MBio, 2020, 11, .	1.8	3
56	Getting at the â€œwhatâ€•and the â€œhowâ€•in symbiosis. Environmental Microbiology Reports, 2017, 9, 11-13.	1.0	2
57	Spotlight on how microbes influence their host's behavior. Environmental Microbiology, 2019, 21, 3185-3187.	1.8	2
58	Some Like it HOT: Horizontal Operon Transfer. Cell, 2019, 176, 1243-1245.	13.5	2
59	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Microbiology and Biology Education, 2020, 21, .	0.5	2
60	Future-Proofing Your Microbiology Resource Announcements Genome Assembly for Reproducibility and Clarity. Microbiology Resource Announcements, 2019, 8, .	0.3	2
61	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Clinical Microbiology, 2020, 58, .	1.8	1
62	The Microbiome Sets the Stage for Cholera. Trends in Microbiology, 2020, 28, 430-432.	3.5	1
63	The ASM Journals Committee Values the Contributions of Black Microbiologists. Applied and Environmental Microbiology, 2020, 86, .	1.4	1
64	The ASM Journals Committee Values the Contributions of Black Microbiologists. MSphere, 2020, 5, .	1.3	1
65	The ASM Journals Committee Values the Contributions of Black Microbiologists. Clinical Microbiology Reviews, 2020, 33, .	5.7	1
66	The ASM Journals Committee Values the Contributions of Black Microbiologists. Infection and Immunity, 2020, 88, .	1.0	0
67	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology Spectrum, 2020, 8, .	1.2	0
68	The ASM Journals Committee Values the Contributions of Black Microbiologists. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	0
69	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Virology, 2020, 94, .	1.5	0
70	The ASM Journals Committee Values the Contributions of Black Microbiologists. Journal of Bacteriology, 2020, 202, .	1.0	0
71	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology and Molecular Biology Reviews, 2020, 84, .	2.9	0
72	The ASM Journals Committee Values the Contributions of Black Microbiologists. MSystems, 2020, 5, .	1.7	0

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73	The ASM Journals Committee Values the Contributions of Black Microbiologists. Microbiology Resource Announcements, 2020, 9, .	0.3	0
74	Best Practices for Successfully Writing and Publishing a Genome Announcement in Microbiology Resource Announcements. Microbiology Resource Announcements, 2020, 9, .	0.3	0
75	The ASM Journals Committee Values the Contributions of Black Microbiologists. Molecular and Cellular Biology, 2020, 40, .	1.1	0