Heidi Goodrich-Blair

List of Publications by Year
in descending order

82 papers	4,228 citations	109321 35 h-index	118850 62 g-index
100 all docs	100 docs citations	100 times ranked	2659 citing authors

#	Article	IF	Citations
1	Mutualism and pathogenesis in Xenorhabdus and Photorhabdus: two roads to the same destination. Molecular Microbiology, 2007, 64, 260-268.	2.5	264
2	Bacterial origin of a chloroplast intron: conserved self-splicing group I introns in cyanobacteria. Science, 1990, 250, 1566-1570.	12.6	238
3	An Entomopathogenic Nematode by Any Other Name. PLoS Pathogens, 2012, 8, e1002527.	4.7	189
4	Friend and foe: the two faces of Xenorhabdus nematophila. Nature Reviews Microbiology, 2007, 5, 634-646.	28.6	178
5	The Entomopathogenic Bacterial Endosymbionts Xenorhabdus and Photorhabdus: Convergent Lifestyles from Divergent Genomes. PLoS ONE, 2011, 6, e27909.	2.5	161
6	Amino acid sequence motif of group I intron endonucleases is conserved in open reading frames of group II introns. Trends in Biochemical Sciences, 1994, 19, 402-404.	7.5	142
7	Early Colonization Events in the Mutualistic Association between Steinernema carpocapsae Nematodes and Xenorhabdus nematophila Bacteria. Journal of Bacteriology, 2003, 185, 3147-3154.	2.2	138
8	Optical mapping as a routine tool for bacterial genome sequence finishing. BMC Genomics, 2007, 8, 321.	2.8	104
9	Dangerous liaisons: The symbiosis of entomopathogenic nematodes and bacteria. Biological Control, 2006, 38, 22-46.	3.0	101
10	Common trends in mutualism revealed by model associations between invertebrates and bacteria: Table 1. FEMS Microbiology Reviews, 2010, 34, 41-58.	8.6	97
11	Beyond Homing: Competition between Intron Endonucleases Confers a Selective Advantage on Flanking Genetic Markers. Cell, 1996, 84, 211-221.	28.9	96
12	Response of Ants to a Deterrent Factor(s) Produced by the Symbiotic Bacteria of Entomopathogenic Nematodes. Applied and Environmental Microbiology, 2002, 68, 6202-6209.	3.1	96
13	Theyâ€™ve got a ticket to ride: Xenorhabdus nematophilaâ€“Steinernema carpocapsae symbiosis. Current Opinion in Microbiology, 2007, 10, 225-230.	5.1	95
14	Identification of Xenorhabdus nematophila genes required for mutualistic colonization of Steinernema carpocapsae nematodes. Molecular Microbiology, 2002, 45, 1337-1353.	2.5	94
15	Xenorhabdus nematophilus as a Model for Host-Bacterium Interactions: rpoS Is Necessary for Mutualism with Nematodes. Journal of Bacteriology, 2001, 183, 4687-4693.	2.2	93
16	A self-splicing group I intron in the DNA polymerase gene of bacillus subtilis bacteriophage SPO1. Cell, 1990, 63, 417-424.	28.9	87
17	Masters of conquest and pillage:<i>Xenorhabdus nematophila</i>global regulators control transitions from virulence to nutrient acquisition. Cellular Microbiology, 2009, 11, 1025-1033.	2.1	87
18	Protein introns: A new home for endonucleases. Cell, 1992, 71, 183-186.	28.9	84

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19	The global regulator Lrp contributes to mutualism, pathogenesis and phenotypic variation in the bacterium Xenorhabdus nematophila. Cellular Microbiology, 2007, 9, 1311-1323.	2.1	77
20	Comparative genomics of Steinernema reveals deeply conserved gene regulatory networks. Genome Biology, 2015, 16, 200.	8.8	77
21	It Takes a Village: Ecological and Fitness Impacts of Multipartite Mutualism. Annual Review of Microbiology, 2013, 67, 161-178.	7.3	73
22	Expression and activity of a Xenorhabdus nematophila haemolysin required for full virulence towards Manduca sexta insects. Cellular Microbiology, 2005, 7, 209-219.	2.1	67
23	Clonal variation in Xenorhabdus nematophila virulence and suppression of Manduca sexta immunity. Cellular Microbiology, 2007, 9, 645-656.	2.1	66
24	Nematode parasites, pathogens and associates of insects and invertebrates of economic importance. , 2012, , 373-426.		65
25	Xenorhabdus bovienii Strain Diversity Impacts Coevolution and Symbiotic Maintenance with <i>Steinernema</i> spp. Nematode Hosts. MBio, 2015, 6, e00076.	4.1	63
26	Nematode-Bacterium Symbiosesâ€"Cooperation and Conflict Revealed in the â€œOmicsâ€•Age. Biological Bulletin, 2012, 223, 85-102.	1.8	60
27	The Steinernema carpocapsae intestinal vesicle contains a subcellular structure with which Xenorhabdus nematophila associates during colonization initiation. Cellular Microbiology, 2005, 7, 1723-1735.	2.1	59
28	Rhabdopeptides as Insectâ€Specific Virulence Factors from Entomopathogenic Bacteria. ChemBioChem, 2013, 14, 1991-1997.	2.6	59
29	Units of plasticity in bacterial genomes: new insight from the comparative genomics of two bacteria interacting with invertebrates, Photorhabdus and Xenorhabdus. BMC Genomics, 2010, 11, 568.	2.8	55
30	The <i>Xenorhabdus nematophila nilABC</i> Genes Confer the Ability of <i>Xenorhabdus</i> spp. To Colonize <i>Steinernema carpocapsae</i> Nematodes. Journal of Bacteriology, 2008, 190, 4121-4128.	2.2	52
31	The DNA polymerase genes of several HMU-bacteriophages have similar group I introns with highly divergent open reading frames. Nucleic Acids Research, 1994, 22, 3715-3721.	14.5	49
32	Characterization of a lipoprotein, NilC, required by Xenorhabdus nematophila for mutualism with its nematode host. Molecular Microbiology, 2004, 54, 464-477.	2.5	44
33	Identification and Functional Characterization of a Xenorhabdus nematophila Oligopeptide Permease. Applied and Environmental Microbiology, 2004, 70, 5621-5627.	3.1	42
34	Influence of nematode age and culture conditions on morphological and physiological parameters in the bacterial vesicle of Steinernema carpocapsae (Nematoda: Steinernematidae). Journal of Invertebrate Pathology, 2007, 95, 110-118.	3.2	38
35	Phenotypic variation and host interactions of <i>Xenorhabdus bovienii</i> SSâ€2004, the entomopathogenic symbiont of <i>Steinernema jollieti</i> nematodes. Environmental Microbiology, 2012, 14, 924-939.	3.8	38
36	Previously unrecognized stages of species-specific colonization in the mutualism between<i>Xenorhabdus</i>bacteria and<i>Steinernema</i>nematodes. Cellular Microbiology, 2013, 15, 1545-1559.	2.1	38

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37	Analysis of Xenorhabdusâ€ƒnematophila metabolic mutants yields insight into stages of Steinernemaâ€ƒcarpocapsae nematode intestinal colonization. Molecular Microbiology, 2005, 58, 28-45.	2.5	37
38	Comparative study of the entomopathogenic nematode, Steinernema carpocapsae, reared on mutant and wild-type Xenorhabdus nematophila. Biological Control, 2004, 29, 382-391.	3.0	36
39	<i>Xenorhabdus nematophila lrhA</i> Is Necessary for Motility, Lipase Activity, Toxin Expression, and Virulence in <i>Manduca sexta</i> Insects. Journal of Bacteriology, 2008, 190, 4870-4879.	2.2	36
40	Examination of <i>Xenorhabdus nematophila</i> Lipases in Pathogenic and Mutualistic Host Interactions Reveals a Role for <i>xlpA</i> in Nematode Progeny Production. Applied and Environmental Microbiology, 2010, 76, 221-229.	3.1	36
41	Immune Signaling and Antimicrobial Peptide Expression in Lepidoptera. Insects, 2013, 4, 320-338.	2.2	36
42	A <i>Photorhabdus</i> Natural Product Inhibits Insect Juvenile Hormone Epoxide Hydrolase. ChemBioChem, 2015, 16, 766-771.	2.6	36
43	Assessing computational tools for the discovery of small RNA genes in bacteria. Rna, 2011, 17, 1635-1647.	3.5	34
44	The insect pathogenic bacterium Xenorhabdus innexi has attenuated virulence in multiple insect model hosts yet encodes a potent mosquitocidal toxin. BMC Genomics, 2017, 18, 927.	2.8	34
45	CpxRA Regulates Mutualism and Pathogenesis in <i>Xenorhabdus nematophila</i>. Applied and Environmental Microbiology, 2007, 73, 7826-7836.	3.1	33
46	The Global Transcription Factor Lrp Controls Virulence Modulation in Xenorhabdus nematophila. Journal of Bacteriology, 2015, 197, 3015-3025.	2.2	33
47	Are you my symbiont? Microbial polymorphic toxins and antimicrobial compounds as honest signals of beneficial symbiotic defensive traits. Current Opinion in Microbiology, 2016, 31, 184-190.	5.1	33
48	A Widespread Bacterial Secretion System with Diverse Substrates. MBio, 2021, 12, e0195621.	4.1	30
49	The Global Regulators Lrp, LeuO, and HexA Control Secondary Metabolism in Entomopathogenic Bacteria. Frontiers in Microbiology, 2017, 8, 209.	3.5	29
50	Microbial Population Dynamics in the Hemolymph of Manduca sexta Infected with Xenorhabdus nematophila and the Entomopathogenic Nematode Steinernema carpocapsae. Applied and Environmental Microbiology, 2014, 80, 4277-4285.	3.1	27
51	Ready or Not: Microbial Adaptive Responses in Dynamic Symbiosis Environments. Journal of Bacteriology, 2017, 199, .	2.2	26
52	CpxRA Contributes to <i>Xenorhabdus nematophila</i> Virulence through Regulation of <i>lrhA</i> and Modulation of Insect Immunity. Applied and Environmental Microbiology, 2009, 75, 3998-4006.	3.1	25
53	nilRis necessary for coâ€ordinate repression ofXenorhabdus nematophilamutualism genes. Molecular Microbiology, 2006, 62, 760-771.	2.5	23
54	<scp>NilD CRISPR RNA</scp> contributes to <scp><i>X</i></scp><i>enorhabdus nematophila</i> colonization of symbiotic host nematodes. Molecular Microbiology, 2014, 93, 1026-1042.	2.5	23

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55	CpxRA Influences <i>Xenorhabdus nematophila</i> Colonization Initiation and Outgrowth in <i>Steinernema carpocapsae</i> Nematodes through Regulation of the <i>nil</i> Locus. Applied and Environmental Microbiology, 2009, 75, 4007-4014.	3.1	22
56	Comparison of Xenorhabdus bovienii bacterial strain genomes reveals diversity in symbiotic functions. BMC Genomics, 2015, 16, 889.	2.8	22
57	Symbiontâ€mediated competition: <i>Xenorhabdus bovienii</i> confer an advantage to their nematode host <i>Steinernema affine</i> by killing competitor <i>Steinernema feltiae</i>. Environmental Microbiology, 2019, 21, 3229-3243.	3.8	18
58	Mutational Analyses Reveal Overall Topology and Functional Regions of NilB, a Bacterial Outer Membrane Protein Required for Host Association in a Model of Animal-Microbe Mutualism. Journal of Bacteriology, 2012, 194, 1763-1776.	2.2	17
59	Nematode-bacteria mutualism: Selection within the mutualism supersedes selection outside of the mutualism. Evolution; International Journal of Organic Evolution, 2016, 70, 687-695.	2.3	17
60	The Global Transcription Factor Lrp Is both Essential for and Inhibitory to Xenorhabdus nematophila Insecticidal Activity. Applied and Environmental Microbiology, 2017, 83, .	3.1	17
61	Xenorhabdus nematophila Requires an Intact iscRSUA-hscBA-fdx Operon To Colonize Steinernema carpocapsae Nematodes. Journal of Bacteriology, 2003, 185, 3678-3682.	2.2	16
62	Homocysteine thiolactone is a positive effector of ÃÂƒSlevels inEscherichia coli. FEMS Microbiology Letters, 2000, 185, 117-121.	1.8	14
63	High Levels of the Xenorhabdus nematophila Transcription Factor Lrp Promote Mutualism with the Steinernema carpocapsae Nematode Host. Applied and Environmental Microbiology, 2017, 83, .	3.1	14
64	Pyrimidine Nucleoside Salvage Confers an Advantage to Xenorhabdus nematophila in Its Host Interactions. Applied and Environmental Microbiology, 2005, 71, 6254-6259.	3.1	13
65	Visualizing Bacteria in Nematodes using Fluorescent Microscopy. Journal of Visualized Experiments, 2012, , .	0.3	13
66	Regulation of Gene Expression in Stationary Phase. , 1996, , 571-583.		12
67	Homocysteine thiolactone is a positive effector of ÏƒS levels in Escherichia coli. FEMS Microbiology Letters, 2000, 185, 117-121.	1.8	11
68	R-type bacteriocins in related strains of<i>Xenorhabdus bovienii</i>: Xenorhabdicin tail fiber modularity and contribution to competitiveness. FEMS Microbiology Letters, 2017, 364, fnw235.	1.8	11
69	Studying the Symbiotic Bacterium Xenorhabdus nematophila in Individual, Living <i>Steinernema carpocapsae</i> Nematodes Using Microfluidic Systems. MSphere, 2018, 3, .	2.9	11
70	Isolation and Characterization of<i>Xenorhabdus nematophila</i>Transposon Insertion Mutants Defective in Lipase Activity against Tween. Journal of Bacteriology, 2009, 191, 5325-5331.	2.2	9
71	Xenorhabdus nematophila bacteria shift from mutualistic to virulent Lrpâ€dependent phenotypes within the receptacles of Steinernema carpocapsae insectâ€infective stage nematodes. Environmental Microbiology, 2020, 22, 5433-5449.	3.8	9
72	Rearing and Injection of Manduca sexta Larvae to Assess Bacterial Virulence. Journal of Visualized Experiments, 2012, , e4295.	0.3	8

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73	R-type bacteriocins of Xenorhabdus bovienii determine the outcome of interspecies competition in a natural host environment. Microbiology (United Kingdom), 2020, 166, 1074-1087.	1.8	8
74	An encoded N-terminal extension results in low levels of heterologous protein production in Escherichia coli. Microbial Cell Factories, 2005, 4, 22.	4.0	7
75	Expression and activity of a Xenorhabdus nematophila haemolysin required for full virulence towards Manduca sexta insects. Cellular Microbiology, 2005, 7, 899-900.	2.1	6
76	From Binary Model Systems to the Human Microbiome: Factors That Drive Strain Specificity in Host-Symbiont Associations. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	3
77	Interactions of hostâ€associated multispecies bacterial communities. Periodontology 2000, 2021, 86, 14-31.	13.4	3
78	A Surface Exposed, Two-Domain Lipoprotein Cargo of a Type XI Secretion System Promotes Colonization of Host Intestinal Epithelia Expressing Glycans. Frontiers in Microbiology, 2022, 13, 800366.	3.5	3
79	Apex Predator Nematodes and Meso-Predator Bacteria Consume Their Basal Insect Prey through Discrete Stages of Chemical Transformations. MSystems, 2022, 7, e0031222.	3.8	3
80	Breaking Barriers with Bread: Using the Sourdough Starter Microbiome to Teach High-Throughput Sequencing Techniques. Journal of Microbiology and Biology Education, 2022, 23, .	1.0	2
81	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
82	Nematodes and bacteria: Allies in the suppression of insect immune defenses. , 2016, , .		0