

Matthias Horn

List of Publications by Year in descending order

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101
papers

17,651
citations

29994

54
h-index

31759

101
g-index

105
all docs

105
docs citations

105
times ranked

19648
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionarily recent dual obligatory symbiosis among adelgids indicates a transition between fungus- and insect-associated lifestyles. <i>ISME Journal</i> , 2022, 16, 247-256.	4.4	16
2	The life cycle-dependent transcriptional profile of the obligate intracellular amoeba symbiont <i>Amoebophilus asiaticus</i> . <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	1
3	Ecology and evolution of chlamydial symbionts of arthropods. <i>ISME Communications</i> , 2022, 2, .	1.7	8
4	Coevolving Plasmids Drive Gene Flow and Genome Plasticity in Host-Associated Intracellular Bacteria. <i>Current Biology</i> , 2021, 31, 346-357.e3.	1.8	21
5	Pangenomics reveals alternative environmental lifestyles among chlamydiae. <i>Nature Communications</i> , 2021, 12, 4021.	5.8	29
6	Molecular causes of an evolutionary shift along the parasitism–mutualism continuum in a bacterial symbiont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21658-21666.	3.3	12
7	Draft Genome Sequences of Chlamydiales Bacterium STE3 and <i>Neochlamydia</i> sp. Strain AcF84, Endosymbionts of <i>Acanthamoeba</i> spp. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
8	Chlamydiae in the Environment. <i>Trends in Microbiology</i> , 2020, 28, 877-888.	3.5	68
9	Symbiont-Mediated Defense against <i>Legionella pneumophila</i> in Amoebae. <i>MBio</i> , 2019, 10, .	1.8	33
10	The cooling tower water microbiota: Seasonal dynamics and co-occurrence of bacterial and protist phylotypes. <i>Water Research</i> , 2019, 159, 464-479.	5.3	51
11	International Committee on Systematics of Prokaryotes (ICSP) Subcommittee on the taxonomy of Chlamydiae. Minutes of the closed meeting, 20 March 2019, Seattle, WA, USA. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3654-3656.	0.8	3
12	Giant viruses with an expanded complement of translation system components. <i>Science</i> , 2017, 356, 82-85.	6.0	234
13	In situ architecture, function, and evolution of a contractile injection system. <i>Science</i> , 2017, 357, 713-717.	6.0	123
14	“ <i>Candidatus</i> <i>Cochliophilus cryoturris</i> ” (<i>Coxiellaceae</i>), a symbiont of the testate amoeba <i>Cochliopodium minus</i> . <i>Scientific Reports</i> , 2017, 7, 3394.	1.6	24
15	Trophosome of the Deep-Sea Tubeworm <i>Riftia pachyptila</i> Inhibits Bacterial Growth. <i>PLoS ONE</i> , 2016, 11, e0146446.	1.1	7
16	probeBase—an online resource for rRNA-targeted oligonucleotide probes and primers: new features 2016. <i>Nucleic Acids Research</i> , 2016, 44, D586-D589.	6.5	163
17	A <i>Rickettsiales</i> symbiont of amoebae with ancient features. <i>Environmental Microbiology</i> , 2016, 18, 2326-2342.	1.8	73
18	Marine amoebae with cytoplasmic and perinuclear symbionts deeply branching in the Gammaproteobacteria. <i>Scientific Reports</i> , 2015, 5, 13381.	1.6	36

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19	Prediction of microbial phenotypes based on comparative genomics. BMC Bioinformatics, 2015, 16, S1.	1.2	38
20	Following the Footsteps of Chlamydial Gene Regulation. Molecular Biology and Evolution, 2015, 32, msv193.	3.5	30
21	Draft Genome Sequence of <i>Candidatus</i> Hepatoplasma crinochetorum, a Bacterial Symbiont in the Hepatopancreas of the Terrestrial Isopod <i>Porcellio scaber</i> . Genome Announcements, 2015, 3, .	0.8	3
22	Conserved features and major differences in the outer membrane protein composition of chlamydiae. Environmental Microbiology, 2015, 17, 1397-1413.	1.8	14
23	Intranuclear bacteria: inside the cellular control center of eukaryotes. Trends in Cell Biology, 2015, 25, 339-346.	3.6	60
24	Emendation of the family Chlamydiaceae: Proposal of a single genus, Chlamydia, to include all currently recognized species. Systematic and Applied Microbiology, 2015, 38, 99-103.	1.2	156
25	Single-cell genomics of a rare environmental alphaproteobacterium provides unique insights into Rickettsiaceae evolution. ISME Journal, 2015, 9, 2373-2385.	4.4	51
26	Plastid establishment did not require a chlamydial partner. Nature Communications, 2015, 6, 6421.	5.8	51
27	The Pine Bark Adelgid, <i>Pineus strobi</i> , Contains Two Novel Bacteriocyte-Associated Gammaproteobacterial Symbionts. Applied and Environmental Microbiology, 2014, 80, 878-885.	1.4	35
28	Life in an unusual intracellular niche: a bacterial symbiont infecting the nucleus of amoebae. ISME Journal, 2014, 8, 1634-1644.	4.4	51
29	Integrating metagenomic and amplicon databases to resolve the phylogenetic and ecological diversity of the <i>Chlamydiae</i> . ISME Journal, 2014, 8, 115-125.	4.4	94
30	Improved axenization method reveals complexity of symbiotic associations between bacteria and acanthamoebae. Environmental Microbiology Reports, 2014, 6, 383-388.	1.0	26
31	Massive Expansion of Ubiquitination-Related Gene Families within the Chlamydiae. Molecular Biology and Evolution, 2014, 31, 2890-2904.	3.5	43
32	Tracing the primordial Chlamydiae: extinct parasites of plants?. Trends in Plant Science, 2014, 19, 36-43.	4.3	36
33	Architecture and host interface of environmental chlamydiae revealed by electron cryotomography. Environmental Microbiology, 2014, 16, 417-429.	1.8	38
34	Chlamydial metabolism revisited: interspecies metabolic variability and developmental stage-specific physiologic activities. FEMS Microbiology Reviews, 2014, 38, 779-801.	3.9	112
35	Signature Protein of the PVC Superphylum. Applied and Environmental Microbiology, 2014, 80, 440-445.	1.4	20
36	Evaluation of general 16S ribosomal RNA gene PCR primers for classical and next-generation sequencing-based diversity studies. Nucleic Acids Research, 2013, 41, e1-e1.	6.5	6,268

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37	Discovery of chlamydial peptidoglycan reveals bacteria with murein sacculi but without FtsZ. <i>Nature Communications</i> , 2013, 4, 2856.	5.8	123
38	â€Candidatus <i>Branchiomonas cysticola</i> â€™™ is a common agent of epitheliocysts in seawater-farmed Atlantic salmon <i>Salmo salar</i> in Norway and Ireland. <i>Diseases of Aquatic Organisms</i> , 2013, 103, 35-43.	0.5	79
39	The Endosymbiont <i>Amoebophilus asiaticus</i> Encodes an <i>S</i> -Adenosylmethionine Carrier That Compensates for Its Missing Methylation Cycle. <i>Journal of Bacteriology</i> , 2013, 195, 3183-3192.	1.0	9
40	Metabolic Features of <i>Protochlamydia amoebophila</i> Elementary Bodies â€“ A Link between Activity and Infectivity in Chlamydiae. <i>PLoS Pathogens</i> , 2013, 9, e1003553.	2.1	44
41	Genome of <i>Acanthamoeba castellanii</i> highlights extensive lateral gene transfer and early evolution of tyrosine kinase signaling. <i>Genome Biology</i> , 2013, 14, R11.	13.9	296
42	Developmental cycle and host interaction of <i>Rhabdochlamydia porcellionis</i> , an intracellular parasite of terrestrial isopods. <i>Environmental Microbiology</i> , 2013, 15, 2980-2993.	1.8	15
43	Identification and Characterization of a Novel Porin Family Highlights a Major Difference in the Outer Membrane of Chlamydial Symbionts and Pathogens. <i>PLoS ONE</i> , 2013, 8, e55010.	1.1	16
44	Bacteriocyte-associated gammaproteobacterial symbionts of the <i>Adelges nordmannianae/piceae</i> complex (Hemiptera: Adelgidae). <i>ISME Journal</i> , 2012, 6, 384-396.	4.4	49
45	Comparative Genomics Suggests an Independent Origin of Cytoplasmic Incompatibility in <i>Cardinium hertigii</i> . <i>PLoS Genetics</i> , 2012, 8, e1003012.	1.5	135
46	Lack of Effective Anti-Apoptotic Activities Restricts Growth of Parachlamydiaceae in Insect Cells. <i>PLoS ONE</i> , 2012, 7, e29565.	1.1	28
47	A Novel Betaproteobacterial Agent of Gill Epitheliocystis in Seawater Farmed Atlantic Salmon (<i>Salmo</i>) Tj ETQq1 1 0,784314 rrgBT /Ovele	1.1	83
48	Co-evolution and symbiont replacement shaped the symbiosis between adelgids (Hemiptera: Adelgidae) and their bacterial symbionts. <i>Environmental Microbiology</i> , 2012, 14, 1284-1295.	1.8	89
49	Systematic Spatial Bias in DNA Microarray Hybridization Is Caused by Probe Spot Position-Dependent Variability in Lateral Diffusion. <i>PLoS ONE</i> , 2011, 6, e23727.	1.1	18
50	A bacterial genome in transition - an exceptional enrichment of IS elements but lack of evidence for recent transposition in the symbiont <i>Amoebophilus asiaticus</i> . <i>BMC Evolutionary Biology</i> , 2011, 11, 270.	3.2	22
51	Proteomic analysis reveals a virtually complete set of proteins for translation and energy generation in elementary bodies of the amoeba symbiont <i>Protochlamydia amoebophila</i> . <i>Proteomics</i> , 2011, 11, 1868-1892.	1.3	12
52	Nucleotide Parasitism by <i>Simkania negevensis</i> (<i>Chlamydiae</i>). <i>Journal of Bacteriology</i> , 2011, 193, 225-235.	1.0	27
53	<i>Paracatenula</i> , an ancient symbiosis between thiotrophic <i>Alphaproteobacteria</i> and catenulid flatworms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12078-12083.	3.3	75
54	Unity in Variety--The Pan-Genome of the Chlamydiae. <i>Molecular Biology and Evolution</i> , 2011, 28, 3253-3270.	3.5	184

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55	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. <i>Environmental Microbiology</i> , 2010, 12, 2070-2082.	1.8	394
56	Proteomic analysis of the outer membrane of <i>Protochlamydia amoebophila</i> elementary bodies. <i>Proteomics</i> , 2010, 10, 4363-4376.	1.3	13
57	Raman microspectroscopy reveals long-term extracellular activity of chlamydiae. <i>Molecular Microbiology</i> , 2010, 77, 687-700.	1.2	89
58	<i>Mycobacterium avium</i> Infections of <i>Acanthamoeba</i> Strains: Host Strain Variability, Grazing-Acquired Infections, and Altered Dynamics of Inactivation with Monochloramine. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6685-6688.	1.4	29
59	Inclusion Membrane Proteins of <i>Protochlamydia amoebophila</i> UWE25 Reveal a Conserved Mechanism for Host Cell Interaction among the <i>Chlamydiae</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5093-5102.	1.0	33
60	The genome of the amoeba symbiont " <i>Candidatus Amoebophilus asiaticus</i> " encodes an <i>afp</i> -like prophage possibly used for protein secretion. <i>Virulence</i> , 2010, 1, 541-545.	1.8	31
61	The Genome of the Amoeba Symbiont " <i>Candidatus Amoebophilus asiaticus</i> " Reveals Common Mechanisms for Host Cell Interaction among Amoeba-Associated Bacteria. <i>Journal of Bacteriology</i> , 2010, 192, 1045-1057.	1.0	138
62	Diatom plastids depend on nucleotide import from the cytosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3621-3626.	3.3	80
63	Comprehensive in silico prediction and analysis of chlamydial outer membrane proteins reflects evolution and life style of the <i>Chlamydiae</i> . <i>BMC Genomics</i> , 2009, 10, 634.	1.2	27
64	High genetic similarity between two geographically distinct strains of the sulfur-oxidizing symbiont " <i>Candidatus Thiobios zoothamnicolii</i> ". <i>FEMS Microbiology Ecology</i> , 2009, 67, 229-241.	1.3	35
65	Chlamydia-like bacteria in respiratory samples of community-acquired pneumonia patients. <i>FEMS Microbiology Letters</i> , 2008, 281, 198-202.	0.7	76
66	probeCheck – a central resource for evaluating oligonucleotide probe coverage and specificity. <i>Environmental Microbiology</i> , 2008, 10, 2894-2898.	1.8	170
67	<i>Chlamydiae</i> as Symbionts in Eukaryotes. <i>Annual Review of Microbiology</i> , 2008, 62, 113-131.	2.9	256
68	<i>Lawsonia intracellularis</i> Contains a Gene Encoding a Functional Rickettsia-Like ATP/ADP Translocase for Host Exploitation. <i>Journal of Bacteriology</i> , 2008, 190, 5746-5752.	1.0	37
69	Diversity of Bacterial Endosymbionts of Environmental <i>Acanthamoeba</i> Isolates. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5822-5831.	1.4	92
70	probeBase—an online resource for rRNA-targeted oligonucleotide probes: new features 2007. <i>Nucleic Acids Research</i> , 2007, 35, D800-D804.	6.5	421
71	An <i>Acanthamoeba</i> sp. containing two phylogenetically different bacterial endosymbionts. <i>Environmental Microbiology</i> , 2007, 9, 1604-1609.	1.8	45
72	Tapping the nucleotide pool of the host: novel nucleotide carrier proteins of <i>Protochlamydia amoebophila</i> . <i>Molecular Microbiology</i> , 2006, 60, 1534-1545.	1.2	69

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73	Deciphering the evolution and metabolism of an anammox bacterium from a community genome. <i>Nature</i> , 2006, 440, 790-794.	13.7	1,075
74	The Planctomycetes, Verrucomicrobia, Chlamydiae and sister phyla comprise a superphylum with biotechnological and medical relevance. <i>Current Opinion in Biotechnology</i> , 2006, 17, 241-249.	3.3	405
75	â€œ Candidatus Thiobios zoothamnicoli,â€™ an Ectosymbiotic Bacterium Covering the Giant Marine Ciliate Zoothamnium niveum. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2014-2021.	1.4	84
76	â€™ Candidatus Protochlamydia amoebophilaâ€™™, an endosymbiont of Acanthamoeba spp.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1863-1866.	0.8	88
77	Novel chlamydiae in whiteflies and scale insects: endosymbionts â€™ Candidatus Fritschea bemisiaeâ€™™ strain Falk and â€™ Candidatus Fritschea eriococciâ€™™ strain Elm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1581-1587.	0.8	157
78	Recovery of an environmental chlamydia strain from activated sludge by co-cultivation with Acanthamoeba sp.. <i>Microbiology (United Kingdom)</i> , 2005, 151, 301-309.	0.7	73
79	Amoebae as Training Grounds for Intracellular Bacterial Pathogens. <i>Applied and Environmental Microbiology</i> , 2005, 71, 20-28.	1.4	452
80	ATP/ADP Translocases: a Common Feature of Obligate Intracellular Amoebal Symbionts Related to Chlamydiae and Rickettsiae. <i>Journal of Bacteriology</i> , 2004, 186, 683-691.	1.0	162
81	Discovery of the Novel Candidate Phylum â€™ Poribacteriaâ€™ in Marine Sponges. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3724-3732.	1.4	275
82	A candidate NAD+ transporter in an intracellular bacterial symbiont related to Chlamydiae. <i>Nature</i> , 2004, 432, 622-625.	13.7	95
83	Chlamydial endocytobionts of free-living amoebae differentially affect the growth rate of their hosts. <i>European Journal of Protistology</i> , 2004, 40, 57-60.	0.5	11
84	Morphological and molecular investigations of Paramecium schewiakoffi sp. nov. (Ciliophora,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 <i>Journal of Protistology</i> , 2004, 40, 225-243.	0.5	76
85	Illuminating the Evolutionary History of Chlamydiae. <i>Science</i> , 2004, 304, 728-730.	6.0	373
86	Bacterial Endosymbionts of Free-living Amoebae1. <i>Journal of Eukaryotic Microbiology</i> , 2004, 51, 509-514.	0.8	149
87	Monitoring microbial diversity and natural product profiles of the sponge Aplysina cavernicola following transplantation. <i>Marine Biology</i> , 2003, 142, 685-692.	0.7	105
88	Fluorescence in situ hybridisation for the identification and characterisation of prokaryotes. <i>Current Opinion in Microbiology</i> , 2003, 6, 302-309.	2.3	335
89	Molecular analysis of bacteria in periodontitis: evaluation of clone libraries, novel phylotypes and putative pathogens. <i>Microbiology (United Kingdom)</i> , 2003, 149, 67-75.	0.7	128
90	The Isotope Array, a New Tool That Employs Substrate-Mediated Labeling of rRNA for Determination of Microbial Community Structure and Function. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6875-6887.	1.4	223

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91	probeBase: an online resource for rRNA-targeted oligonucleotide probes. <i>Nucleic Acids Research</i> , 2003, 31, 514-516.	6.5	345
92	Molecular Evidence for a Uniform Microbial Community in Sponges from Different Oceans. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4431-4440.	1.4	621
93	Detection and Differentiation of Chlamydiae by Fluorescence In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4081-4089.	1.4	75
94	The Genus <i>Caedibacter</i> Comprises Endosymbionts of <i>Paramecium</i> spp. Related to the Rickettsiales (Alphaproteobacteria) and to <i>Francisella tularensis</i> (Gammaproteobacteria). <i>Applied and Environmental Microbiology</i> , 2002, 68, 6043-6050.	1.4	100
95	Various bacterial pathogens and symbionts infect the amoeba <i>Dictyostelium discoideum</i> . <i>International Journal of Medical Microbiology</i> , 2002, 291, 615-624.	1.5	105
96	Members of the Cytophaga-Flavobacterium-Bacteroides phylum as intracellular bacteria of acanthamoebae: proposal of 'Candidatus Amoebophilus asiaticus'. <i>Environmental Microbiology</i> , 2001, 3, 440-449.	1.8	106
97	Evidence for additional genus-level diversity of Chlamydiales in the environment. <i>FEMS Microbiology Letters</i> , 2001, 204, 71-74.	0.7	67
98	Phylogenetic Analysis of and Oligonucleotide Probe Development for Eikelboom Type O21N Filamentous Bacteria Isolated from Bulking Activated Sludge. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5043-5052.	1.4	118
99	Phylogenetic Diversity among Geographically Dispersed Chlamydiales Endosymbionts Recovered from Clinical and Environmental Isolates of <i>Acanthamoeba</i> spp. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2613-2619.	1.4	132
100	<i>Neochlamydia hartmannellae</i> gen. nov., sp. nov. (Parachlamydiaceae), an endoparasite of the amoeba <i>Hartmannella vermiformis</i> The GenBank accession number for the sequence reported in this paper is AF177275.. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1231-1239.	0.7	151
101	Novel bacterial endosymbionts of <i>Acanthamoeba</i> spp. related to the <i>Paramecium caudatum</i> symbiont <i>Caedibacter caryophilus</i> . <i>Environmental Microbiology</i> , 1999, 1, 357-367.	1.8	189