

Matthias Horn

List of Publications by Year in Descending Order

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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.

100
papers

12,942
citations

51
h-index

105
g-index

105
ext. papers

15,985
ext. citations

8.4
avg, IF

6.26
L-index

#	Paper	IF	Citations
100	Pangenomics reveals alternative environmental lifestyles among chlamydiae. <i>Nature Communications</i> , 2021 , 12, 4021	17.4	1
99	Coevolving Plasmids Drive Gene Flow and Genome Plasticity in Host-Associated Intracellular Bacteria. <i>Current Biology</i> , 2021 , 31, 346-357.e3	6.3	6
98	Evolutionarily recent dual obligatory symbiosis among adelgids indicates a transition between fungus- and insect-associated lifestyles. <i>ISME Journal</i> , 2021 ,	11.9	3
97	Draft Genome Sequences of Bacterium STE3 and sp. Strain AcF84, Endosymbionts of spp. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	3
96	Chlamydiae in the Environment. <i>Trends in Microbiology</i> , 2020 , 28, 877-888	12.4	17
95	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	11.5	3
94	Symbiont-Mediated Defense against <i>Legionella pneumophila</i> in Amoebae. <i>MBio</i> , 2019 , 10,	7.8	20
93	The cooling tower water microbiota: Seasonal dynamics and co-occurrence of bacterial and protist phylotypes. <i>Water Research</i> , 2019 , 159, 464-479	12.5	26
92	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	2.2	0
91	Giant viruses with an expanded complement of translation system components. <i>Science</i> , 2017 , 356, 82-85	33.3	148
90	In situ architecture, function, and evolution of a contractile injection system. <i>Science</i> , 2017 , 357, 713-717	33.3	79
89	<i>Candidatus</i> <i>Cochliophilus cryoturrist</i> (Coxiellaceae), a symbiont of the testate amoeba <i>Cochliopodium minus</i> . <i>Scientific Reports</i> , 2017 , 7, 3394	4.9	13
88	A Rickettsiales symbiont of amoebae with ancient features. <i>Environmental Microbiology</i> , 2016 , 18, 2326-42	4.2	41
87	probeBase--an online resource for rRNA-targeted oligonucleotide probes and primers: new features 2016. <i>Nucleic Acids Research</i> , 2016 , 44, D586-9	20.1	119
86	Trophosome of the Deep-Sea Tubeworm <i>Riftia pachyptila</i> Inhibits Bacterial Growth. <i>PLoS ONE</i> , 2016 , 11, e0146446	3.7	5
85	Single-cell genomics of a rare environmental alphaproteobacterium provides unique insights into Rickettsiaceae evolution. <i>ISME Journal</i> , 2015 , 9, 2373-85	11.9	33
84	Plastid establishment did not require a chlamydial partner. <i>Nature Communications</i> , 2015 , 6, 6421	17.4	41

83	Marine amoebae with cytoplasmic and perinuclear symbionts deeply branching in the Gammaproteobacteria. <i>Scientific Reports</i> , 2015 , 5, 13381	4.9	16
82	Prediction of microbial phenotypes based on comparative genomics. <i>BMC Bioinformatics</i> , 2015 , 16 Suppl 14, S1	3.6	22
81	Following the Footsteps of Chlamydial Gene Regulation. <i>Molecular Biology and Evolution</i> , 2015 , 32, 3035-3046	5.9	17
80	Draft Genome Sequence of "Candidatus Hepatoplasma crinochetorum" Ps, a Bacterial Symbiont in the Hepatopancreas of the Terrestrial Isopod <i>Porcellio scaber</i> . <i>Genome Announcements</i> , 2015 , 3,		1
79	Conserved features and major differences in the outer membrane protein composition of chlamydiae. <i>Environmental Microbiology</i> , 2015 , 17, 1397-413	5.2	11
78	Intranuclear bacteria: inside the cellular control center of eukaryotes. <i>Trends in Cell Biology</i> , 2015 , 25, 339-46	18.3	39
77	Emendation of the family Chlamydiaceae: proposal of a single genus, Chlamydia, to include all currently recognized species. <i>Systematic and Applied Microbiology</i> , 2015 , 38, 99-103	4.2	102
76	Architecture and host interface of environmental chlamydiae revealed by electron cryotomography. <i>Environmental Microbiology</i> , 2014 , 16, 417-29	5.2	37
75	Chlamydial metabolism revisited: interspecies metabolic variability and developmental stage-specific physiologic activities. <i>FEMS Microbiology Reviews</i> , 2014 , 38, 779-801	15.1	76
74	Signature protein of the PVC superphylum. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 440-5	4.8	18
73	The pine bark Adelgid, <i>Pineus strobi</i> , contains two novel bacteriocyte-associated gammaproteobacterial symbionts. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 878-85	4.8	13
72	Life in an unusual intracellular niche: a bacterial symbiont infecting the nucleus of amoebae. <i>ISME Journal</i> , 2014 , 8, 1634-44	11.9	32
71	Integrating metagenomic and amplicon databases to resolve the phylogenetic and ecological diversity of the Chlamydiae. <i>ISME Journal</i> , 2014 , 8, 115-25	11.9	68
70	Improved axenization method reveals complexity of symbiotic associations between bacteria and acanthamoebae. <i>Environmental Microbiology Reports</i> , 2014 , 6, 383-8	3.7	18
69	Massive expansion of Ubiquitination-related gene families within the Chlamydiae. <i>Molecular Biology and Evolution</i> , 2014 , 31, 2890-904	8.3	26
68	Tracing the primordial Chlamydiae: extinct parasites of plants?. <i>Trends in Plant Science</i> , 2014 , 19, 36-43	13.1	27
67	Evaluation of general 16S ribosomal RNA gene PCR primers for classical and next-generation sequencing-based diversity studies. <i>Nucleic Acids Research</i> , 2013 , 41, e1	20.1	3890
66	Discovery of chlamydial peptidoglycan reveals bacteria with murein sacculi but without FtsZ. <i>Nature Communications</i> , 2013 , 4, 2856	17.4	106

65	Candidatus Branchiomonas cysticola 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	1.7	43
64	The endosymbiont <i>Amoebophilus asiaticus</i> encodes an S-adenosylmethionine carrier that compensates for its missing methylation cycle. <i>Journal of Bacteriology</i> , 2013 , 195, 3183-92	3.5	8
63	Metabolic features of <i>Protochlamydia amoebophila</i> elementary bodies--a link between activity and infectivity in Chlamydiae. <i>PLoS Pathogens</i> , 2013 , 9, e1003553	7.6	33
62	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	18.3	205
61	Developmental cycle and host interaction of <i>Rhabdochlamydia porcellionis</i> , an intracellular parasite of terrestrial isopods. <i>Environmental Microbiology</i> , 2013 , 15, 2980-93	5.2	9
60	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	3.7	15
59	Co-evolution and symbiont replacement shaped the symbiosis between adelgids (Hemiptera: Adelgidae) and their bacterial symbionts. <i>Environmental Microbiology</i> , 2012 , 14, 1284-95	5.2	35
58	Lack of effective anti-apoptotic activities restricts growth of Parachlamydiaceae in insect cells. <i>PLoS ONE</i> , 2012 , 7, e29565	3.7	25
57	A novel betaproteobacterial agent of gill epitheliocystis in seawater farmed Atlantic salmon (<i>Salmo salar</i>). <i>PLoS ONE</i> , 2012 , 7, e32696	3.7	54
56	Bacteriocyte-associated gammaproteobacterial symbionts of the <i>Adelges nordmannianae/piceae</i> complex (Hemiptera: Adelgidae). <i>ISME Journal</i> , 2012 , 6, 384-96	11.9	18
55	Comparative genomics suggests an independent origin of cytoplasmic incompatibility in <i>Cardinium hertigii</i> . <i>PLoS Genetics</i> , 2012 , 8, e1003012	6	100
54	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	3.7	16
53	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	17
52	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, 1868-92	4.8	12
51	Nucleotide parasitism by <i>Simkania negevensis</i> (Chlamydiae). <i>Journal of Bacteriology</i> , 2011 , 193, 225-35	3.5	26
50	<i>Paracatenula</i> , an ancient symbiosis between thiotrophic Alphaproteobacteria and catenulid flatworms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12078-83	11.5	57
49	Unity in variety--the pan-genome of the Chlamydiae. <i>Molecular Biology and Evolution</i> , 2011 , 28, 3253-70	8.3	157
48	Raman microspectroscopy reveals long-term extracellular activity of Chlamydiae. <i>Molecular Microbiology</i> , 2010 , 77, 687-700	4.1	80

47	Mycobacterium avium infections of Acanthamoeba strains: host strain variability, grazing-acquired infections, and altered dynamics of inactivation with monochloramine. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 6685-8	4.8	28
46	Inclusion membrane proteins of Protochlamydia amoebophila UWE25 reveal a conserved mechanism for host cell interaction among the Chlamydiae. <i>Journal of Bacteriology</i> , 2010 , 192, 5093-102 ³⁻⁵	3.5	27
45	The genome of the amoeba symbiont "Candidatus Amoebophilus asiaticus" encodes an afp-like prophage possibly used for protein secretion. <i>Virulence</i> , 2010 , 1, 541-5	4.7	25
44	The genome of the amoeba symbiont "Candidatus Amoebophilus asiaticus" reveals common mechanisms for host cell interaction among amoeba-associated bacteria. <i>Journal of Bacteriology</i> , 2010 , 192, 1045-57	3.5	113
43	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. <i>Environmental Microbiology</i> , 2010 , 12, 2070-82	5.2	298
42	Proteomic analysis of the outer membrane of Protochlamydia amoebophila elementary bodies. <i>Proteomics</i> , 2010 , 10, 4363-76	4.8	12
41	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, 3621-6	11.5	68
40	Comprehensive in silico prediction and analysis of chlamydial outer membrane proteins reflects evolution and life style of the Chlamydiae. <i>BMC Genomics</i> , 2009 , 10, 634	4.5	26
39	High genetic similarity between two geographically distinct strains of the sulfur-oxidizing symbiont Candidatus Thiobios zoothamnicoli. <i>FEMS Microbiology Ecology</i> , 2009 , 67, 229-41	4.3	16
38	probeCheck--a central resource for evaluating oligonucleotide probe coverage and specificity. <i>Environmental Microbiology</i> , 2008 , 10, 2894-8	5.2	154
37	Chlamydiae as symbionts in eukaryotes. <i>Annual Review of Microbiology</i> , 2008 , 62, 113-31	17.5	220
36	Lawsonia intracellularis contains a gene encoding a functional rickettsia-like ATP/ADP translocase for host exploitation. <i>Journal of Bacteriology</i> , 2008 , 190, 5746-52	3.5	34
35	Diversity of bacterial endosymbionts of environmental acanthamoeba isolates. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 5822-31	4.8	77
34	Chlamydia-like bacteria in respiratory samples of community-acquired pneumonia patients. <i>FEMS Microbiology Letters</i> , 2008 , 281, 198-202	2.9	65
33	An Acanthamoeba sp. containing two phylogenetically different bacterial endosymbionts. <i>Environmental Microbiology</i> , 2007 , 9, 1604-9	5.2	40
32	probeBase--an online resource for rRNA-targeted oligonucleotide probes: new features 2007. <i>Nucleic Acids Research</i> , 2007 , 35, D800-4	20.1	373
31	"Candidatus Thiobios zoothamnicoli," an ectosymbiotic bacterium covering the giant marine ciliate Zoothamnium niveum. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2014-21	4.8	61
30	Tapping the nucleotide pool of the host: novel nucleotide carrier proteins of Protochlamydia amoebophila. <i>Molecular Microbiology</i> , 2006 , 60, 1534-45	4.1	64

29	Deciphering the evolution and metabolism of an anammox bacterium from a community genome. <i>Nature</i> , 2006 , 440, 790-4	50.4	861
28	The Planctomycetes, Verrucomicrobia, Chlamydiae and sister phyla comprise a superphylum with biotechnological and medical relevance. <i>Current Opinion in Biotechnology</i> , 2006 , 17, 241-9	11.4	351
27	†Candidatus Protochlamydia amoebophila† an endosymbiont of Acanthamoeba spp. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 1863-1866	2.2	77
26	Novel chlamydiae in whiteflies and scale insects: endosymbionts †Candidatus Fritschea bemisiae† strain Falk and †Candidatus Fritschea eriococci† strain Elm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 1581-1587	2.2	124
25	Recovery of an environmental Chlamydia strain from activated sludge by co-cultivation with Acanthamoeba sp. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 301-309	2.9	63
24	Amoebae as training grounds for intracellular bacterial pathogens. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 20-8	4.8	379
23	ATP/ADP translocases: a common feature of obligate intracellular amoebal symbionts related to Chlamydiae and Rickettsiae. <i>Journal of Bacteriology</i> , 2004 , 186, 683-91	3.5	135
22	Discovery of the novel candidate phylum "Poribacteria" in marine sponges. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 3724-32	4.8	238
21	A candidate NAD ⁺ transporter in an intracellular bacterial symbiont related to Chlamydiae. <i>Nature</i> , 2004 , 432, 622-5	50.4	85
20	Chlamydial endocytobionts of free-living amoebae differentially affect the growth rate of their hosts. <i>European Journal of Protistology</i> , 2004 , 40, 57-60	3.6	11
19	Morphological and molecular investigations of Paramecium schewiakoffi sp. nov. (Ciliophora, Oligohymenophorea) and current status of distribution and taxonomy of Paramecium spp.. <i>European Journal of Protistology</i> , 2004 , 40, 225-243	3.6	60
18	Illuminating the evolutionary history of chlamydiae. <i>Science</i> , 2004 , 304, 728-30	33.3	333
17	Bacterial endosymbionts of free-living amoebae. <i>Journal of Eukaryotic Microbiology</i> , 2004 , 51, 509-14	3.6	126
16	Monitoring microbial diversity and natural product profiles of the sponge Aplysina cavernicola following transplantation. <i>Marine Biology</i> , 2003 , 142, 685-692	2.5	84
15	Fluorescence in situ hybridisation for the identification and characterisation of prokaryotes. <i>Current Opinion in Microbiology</i> , 2003 , 6, 302-9	7.9	298
14	Molecular analysis of bacteria in periodontitis: evaluation of clone libraries, novel phylotypes and putative pathogens. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 67-75	2.9	119
13	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, 6875-87	4.8	197
12	probeBase: an online resource for rRNA-targeted oligonucleotide probes. <i>Nucleic Acids Research</i> , 2003 , 31, 514-6	20.1	302

11	Molecular evidence for a uniform microbial community in sponges from different oceans. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4431-40	4.8	531
10	Detection and differentiation of chlamydiae by fluorescence in situ hybridization. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4081-9	4.8	64
9	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, 6043-50	4.8	96
8	Various bacterial pathogens and symbionts infect the amoeba <i>Dictyostelium discoideum</i> . <i>International Journal of Medical Microbiology</i> , 2002 , 291, 615-24	3.7	89
7	Members of the Cytophaga-Flavobacterium-Bacteroides phylum as intracellular bacteria of acanthamoebae: proposal of <i>Candidatus Amoebophilus asiaticus</i> <i>Environmental Microbiology</i> , 2001 , 3, 440-9	5.2	76
6	Evidence for additional genus-level diversity of Chlamydiales in the environment. <i>FEMS Microbiology Letters</i> , 2001 , 204, 71-4	2.9	59
5	Phylogenetic analysis of and oligonucleotide probe development for eikelboom type 021N filamentous bacteria isolated from bulking activated sludge. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 5043-52	4.8	104
4	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, 2613-9	4.8	119
3	<i>Neochlamydia hartmannellae</i> gen. nov., sp. nov. (Parachlamydiaceae), an endoparasite of the amoeba <i>Hartmannella vermiformis</i> . <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 5), 1231-1239	2.9	123
2	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, 357-67	5.2	148
1	Happens in the best of subfamilies: Establishment and repeated replacements of co-obligate secondary endosymbionts within Lachninae aphids		1