Matthias Horn

List of Publications by Year
in descending order

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101	17,651	29994	31759
papers	citations	54 h-index	101 g-index

105	105	105	19648
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Deciphering the evolution and metabolism of an anammox bacterium from a community genome. Nature, 2006, 440, 790-794.	13.7	1,075
3	Molecular Evidence for a Uniform Microbial Community in Sponges from Different Oceans. Applied and Environmental Microbiology, 2002, 68, 4431-4440.	1.4	621
4	Amoebae as Training Grounds for Intracellular Bacterial Pathogens. Applied and Environmental Microbiology, 2005, 71, 20-28.	1.4	452
5	probeBase--an online resource for rRNA-targeted oligonucleotide probes: new features 2007. Nucleic Acids Research, 2007, 35, D800-D804.	6.5	421
6	The Planctomycetes, Verrucomicrobia, Chlamydiae and sister phyla comprise a superphylum with biotechnological and medical relevance. Current Opinion in Biotechnology, 2006, 17, 241-249.	3.3	405
7	Deep sequencing reveals exceptional diversity and modes of transmission for bacterial sponge symbionts. Environmental Microbiology, 2010, 12, 2070-2082.	1.8	394
8	Illuminating the Evolutionary History of Chlamydiae. Science, 2004, 304, 728-730.	6.0	373
9	probeBase: an online resource for rRNA-targeted oligonucleotide probes. Nucleic Acids Research, 2003, 31, 514-516.	6.5	345
10	Fluorescence in situ hybridisation for the identification and characterisation of prokaryotes. Current Opinion in Microbiology, 2003, 6, 302-309.	2.3	335
11	Genome of Acanthamoeba castellanii highlights extensive lateral gene transfer and early evolution of tyrosine kinase signaling. Genome Biology, 2013, 14, R11.	13.9	296
12	Discovery of the Novel Candidate Phylum â€œPoribacteriaâ€•in Marine Sponges. Applied and Environmental Microbiology, 2004, 70, 3724-3732.	1.4	275
13	Chlamydiaeas Symbionts in Eukaryotes. Annual Review of Microbiology, 2008, 62, 113-131.	2.9	256
14	Giant viruses with an expanded complement of translation system components. Science, 2017, 356, 82-85.	6.0	234
15	The Isotope Array, a New Tool That Employs Substrate-Mediated Labeling of rRNA for Determination of Microbial Community Structure and Function. Applied and Environmental Microbiology, 2003, 69, 6875-6887.	1.4	223
16	Novel bacterial endosymbionts of Acanthamoeba spp. related to the Paramecium caudatum symbiont Caedibacter caryophilus. Environmental Microbiology, 1999, 1, 357-367.	1.8	189
17	Unity in Variety--The Pan-Genome of the Chlamydiae. Molecular Biology and Evolution, 2011, 28, 3253-3270.	3.5	184
18	probeCheck â€“ a central resource for evaluating oligonucleotide probe coverage and specificity. Environmental Microbiology, 2008, 10, 2894-2898.	1.8	170

#	Article	IF	Citations
19	probeBaseâ€"an online resource for rRNA-targeted oligonucleotide probes and primers: new features 2016. Nucleic Acids Research, 2016, 44, D586-D589.	6.5	163
20	ATP/ADP Translocases: a Common Feature of Obligate Intracellular Amoebal Symbionts Related to Chlamydiae and Rickettsiae. Journal of Bacteriology, 2004, 186, 683-691.	1.0	162
21	Novel chlamydiae in whiteflies and scale insects: endosymbionts â€˜Candidatus Fritschea bemisiaeâ€™ strain Falk and â€˜Candidatus Fritschea eriococciâ€™ strain Elm. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1581-1587.	0.8	157
22	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
23	Neochlamydia hartmannellae gen. nov., sp. nov. (Parachlamydiaceae), an endoparasite of the amoeba Hartmannella vermiformis The GenBank accession number for the sequence reported in this paper is AF177275.. Microbiology (United Kingdom), 2000, 146, 1231-1239.	0.7	151
24	Bacterial Endosymbionts of Free-living Amoebae1. Journal of Eukaryotic Microbiology, 2004, 51, 509-514.	0.8	149
25	The Genome of the Amoeba Symbiont â€œ Candidatus Amoebophilus asiaticusâ€•Reveals Common Mechanisms for Host Cell Interaction among Amoeba-Associated Bacteria. Journal of Bacteriology, 2010, 192, 1045-1057.	1.0	138
26	Comparative Genomics Suggests an Independent Origin of Cytoplasmic Incompatibility in Cardinium hertigii. PLoS Genetics, 2012, 8, e1003012.	1.5	135
27	Phylogenetic Diversity among Geographically Dispersed Chlamydiales Endosymbionts Recovered from Clinical and Environmental Isolates of Acanthamoeba spp. Applied and Environmental Microbiology, 2000, 66, 2613-2619.	1.4	132
28	Molecular analysis of bacteria in periodontitis: evaluation of clone libraries, novel phylotypes and putative pathogens. Microbiology (United Kingdom), 2003, 149, 67-75.	0.7	128
29	Discovery of chlamydial peptidoglycan reveals bacteria with murein sacculi but without FtsZ. Nature Communications, 2013, 4, 2856.	5.8	123
30	In situ architecture, function, and evolution of a contractile injection system. Science, 2017, 357, 713-717.	6.0	123
31	Phylogenetic Analysis of and Oligonucleotide Probe Development for Eikelboom Type 021N Filamentous Bacteria Isolated from Bulking Activated Sludge. Applied and Environmental Microbiology, 2000, 66, 5043-5052.	1.4	118
32	Chlamydial metabolism revisited: interspecies metabolic variability and developmental stage-specific physiologic activities. FEMS Microbiology Reviews, 2014, 38, 779-801.	3.9	112
33	Members of the Cytophaga-Flavobacterium-Bacteroides phylum as intracellular bacteria of acanthamoebae: proposal of 'Candidatus Amoebophilus asiaticus'. Environmental Microbiology, 2001, 3, 440-449.	1.8	106
34	Various bacterial pathogens and symbionts infect the amoeba Dictyostelium discoideum. International Journal of Medical Microbiology, 2002, 291, 615-624.	1.5	105
35	Monitoring microbial diversity and natural product profiles of the sponge Aplysina cavernicola following transplantation. Marine Biology, 2003, 142, 685-692.	0.7	105
36	The Genus Caedibacter Comprises Endosymbionts of Paramecium spp. Related to the Rickettsiales (Alphaproteobacteria) and to Francisella tularensis (Gammaproteobacteria). Applied and Environmental Microbiology, 2002, 68, 6043-6050.	1.4	100

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37	A candidate NAD+ transporter in an intracellular bacterial symbiont related to Chlamydiae. Nature, 2004, 432, 622-625.	13.7	95
38	Integrating metagenomic and amplicon databases to resolve the phylogenetic and ecological diversity of the Chlamydiae. ISME Journal, 2014, 8, 115-125.	4.4	94
39	Diversity of Bacterial Endosymbionts of Environmental Acanthamoeba Isolates. Applied and Environmental Microbiology, 2008, 74, 5822-5831.	1.4	92
40	Raman microspectroscopy reveals longâ€term extracellular activity of chlamydiae. Molecular Microbiology, 2010, 77, 687-700.	1.2	89
41	Coâ€evolution and symbiont replacement shaped the symbiosis between adelgids (Hemiptera: Adelgidae) and their bacterial symbionts. Environmental Microbiology, 2012, 14, 1284-1295.	1.8	89
42	â€˜Candidatus Protochlamydia amoebophilaâ€™, an endosymbiont of Acanthamoeba spp.. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1863-1866.	0.8	88
43	â€œ Candidatus Thiobios zoothamnicoli,â€•an Ectosymbiotic Bacterium Covering the Giant Marine Ciliate Zoothamnium niveum. Applied and Environmental Microbiology, 2006, 72, 2014-2021.	1.4	84
44	A Novel Betaproteobacterial Agent of Gill Epitheliocystis in Seawater Farmed Atlantic Salmon (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	83
45	Diatom plastids depend on nucleotide import from the cytosol. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3621-3626.	3.3	80
46	â€˜Candidatus Branchiomonas cysticolaâ€™ is a common agent of epitheliocysts in seawater-farmed Atlantic salmon Salmo salar in Norway and Ireland. Diseases of Aquatic Organisms, 2013, 103, 35-43.	0.5	79
47	Morphological and molecular investigations of Paramecium schewiakoffi sp. nov. (Ciliophora,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Journal of Protistology, 2004, 40, 225-243.	0.5	76
48	Chlamydia-like bacteria in respiratory samples of community-acquired pneumonia patients. FEMS Microbiology Letters, 2008, 281, 198-202.	0.7	76
49	Detection and Differentiation of Chlamydiae by Fluorescence In Situ Hybridization. Applied and Environmental Microbiology, 2002, 68, 4081-4089.	1.4	75
50	Paracatenula , an ancient symbiosis between thiotrophic Alphaproteobacteria and catenulid flatworms. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12078-12083.	3.3	75
51	Recovery of an environmental chlamydia strain from activated sludge by co-cultivation with Acanthamoeba sp.. Microbiology (United Kingdom), 2005, 151, 301-309.	0.7	73
52	A <scp>R</scp>ickettsiales symbiont of amoebae with ancient features. Environmental Microbiology, 2016, 18, 2326-2342.	1.8	73
53	Tapping the nucleotide pool of the host: novel nucleotide carrier proteins of Protochlamydia amoebophila. Molecular Microbiology, 2006, 60, 1534-1545.	1.2	69
54	Chlamydiae in the Environment. Trends in Microbiology, 2020, 28, 877-888.	3.5	68

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55	Evidence for additional genus-level diversity ofChlamydialesin the environment. FEMS Microbiology Letters, 2001, 204, 71-74.	0.7	67
56	Intranuclear bacteria: inside the cellular control center of eukaryotes. Trends in Cell Biology, 2015, 25, 339-346.	3.6	60
57	Life in an unusual intracellular niche: a bacterial symbiont infecting the nucleus of amoebae. ISME Journal, 2014, 8, 1634-1644.	4.4	51
58	Single-cell genomics of a rare environmental alphaproteobacterium provides unique insights into Rickettsiaceae evolution. ISME Journal, 2015, 9, 2373-2385.	4.4	51
59	Plastid establishment did not require a chlamydial partner. Nature Communications, 2015, 6, 6421.	5.8	51
60	The cooling tower water microbiota: Seasonal dynamics and co-occurrence of bacterial and protist phylotypes. Water Research, 2019, 159, 464-479.	5.3	51
61	Bacteriocyte-associated gammaproteobacterial symbionts of the Adelges nordmannianae/piceae complex (Hemiptera: Adelgidae). ISME Journal, 2012, 6, 384-396.	4.4	49
62	An Acanthamoeba sp. containing two phylogenetically different bacterial endosymbionts. Environmental Microbiology, 2007, 9, 1604-1609.	1.8	45
63	Metabolic Features of Protochlamydia amoebophila Elementary Bodies â€“ A Link between Activity and Infectivity in Chlamydiae. PLoS Pathogens, 2013, 9, e1003553.	2.1	44
64	Massive Expansion of Ubiquitination-Related Gene Families within the Chlamydiae. Molecular Biology and Evolution, 2014, 31, 2890-2904.	3.5	43
65	Architecture and host interface of environmental chlamydiae revealed by electron cryotomography. Environmental Microbiology, 2014, 16, 417-429.	1.8	38
66	Prediction of microbial phenotypes based on comparative genomics. BMC Bioinformatics, 2015, 16, S1.	1.2	38
67	Lawsonia intracellularisContains a Gene Encoding a Functional Rickettsia-Like ATP/ADP Translocase for Host Exploitation. Journal of Bacteriology, 2008, 190, 5746-5752.	1.0	37
68	Tracing the primordial Chlamydiae: extinct parasites of plants?. Trends in Plant Science, 2014, 19, 36-43.	4.3	36
69	Marine amoebae with cytoplasmic and perinuclear symbionts deeply branching in the Gammaproteobacteria. Scientific Reports, 2015, 5, 13381.	1.6	36
70	High genetic similarity between two geographically distinct strains of the sulfur-oxidizing symbiont Ã¢Â€Â˜Candidatus Thiobios zoothamnicoliÃ¢Â€Â™. FEMS Microbiology Ecology, 2009, 67, 229-241.	1.3	35
71	The Pine Bark Adelgid, Pineus strobi, Contains Two Novel Bacteriocyte-Associated Gammaproteobacterial Symbionts. Applied and Environmental Microbiology, 2014, 80, 878-885.	1.4	35
72	Inclusion Membrane Proteins ofProtochlamydia amoebophilaUWE25 Reveal a Conserved Mechanism for Host Cell Interaction among theChlamydiae. Journal of Bacteriology, 2010, 192, 5093-5102.	1.0	33

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73	Symbiont-Mediated Defense against Legionella pneumophila in Amoebae. MBio, 2019, 10, .	1.8	33
74	The genome of the amoeba symbiont "CandidatusAmoebophilus asiaticus" encodes an afp-like prophage possibly used for protein secretion. Virulence, 2010, 1, 541-545.	1.8	31
75	Following the Footsteps of Chlamydial Gene Regulation. Molecular Biology and Evolution, 2015, 32, msv193.	3.5	30
76	Mycobacterium avium Infections of Acanthamoeba Strains: Host Strain Variability, Grazing-Acquired Infections, and Altered Dynamics of Inactivation with Monochloramine. Applied and Environmental Microbiology, 2010, 76, 6685-6688.	1.4	29
77	Pangenomics reveals alternative environmental lifestyles among chlamydiae. Nature Communications, 2021, 12, 4021.	5.8	29
78	Lack of Effective Anti-Apoptotic Activities Restricts Growth of Parachlamydiaceae in Insect Cells. PLoS ONE, 2012, 7, e29565.	1.1	28
79	Comprehensive in silico prediction and analysis of chlamydial outer membrane proteins reflects evolution and life style of the Chlamydiae. BMC Genomics, 2009, 10, 634.	1.2	27
80	Nucleotide Parasitism by Simkania negevensis (Chlamydiae). Journal of Bacteriology, 2011, 193, 225-235.	1.0	27
81	Improved axenization method reveals complexity of symbiotic associations between bacteria and acanthamoebae. Environmental Microbiology Reports, 2014, 6, 383-388.	1.0	26
82	â€˜Candidatus Cochliophilus cryoturrisâ€™ (Coxiellaceae), a symbiont of the testate amoeba Cochliopodium minus. Scientific Reports, 2017, 7, 3394.	1.6	24
83	A bacterial genome in transition - an exceptional enrichment of IS elements but lack of evidence for recent transposition in the symbiont Amoebophilus asiaticus. BMC Evolutionary Biology, 2011, 11, 270.	3.2	22
84	Coevolving Plasmids Drive Gene Flow and Genome Plasticity in Host-Associated Intracellular Bacteria. Current Biology, 2021, 31, 346-357.e3.	1.8	21
85	Signature Protein of the PVC Superphylum. Applied and Environmental Microbiology, 2014, 80, 440-445.	1.4	20
86	Systematic Spatial Bias in DNA Microarray Hybridization Is Caused by Probe Spot Position-Dependent Variability in Lateral Diffusion. PLoS ONE, 2011, 6, e23727.	1.1	18
87	Evolutionarily recent dual obligatory symbiosis among adelgids indicates a transition between fungus- and insect-associated lifestyles. ISME Journal, 2022, 16, 247-256.	4.4	16
88	Identification and Characterization of a Novel Porin Family Highlights a Major Difference in the Outer Membrane of Chlamydial Symbionts and Pathogens. PLoS ONE, 2013, 8, e55010.	1.1	16
89	Developmental cycle and host interaction of <scp>R</scp>habdochlamydia porcellionis, an intracellular parasite of terrestrial isopods. Environmental Microbiology, 2013, 15, 2980-2993.	1.8	15
90	Conserved features and major differences in the outer membrane protein composition of chlamydiae. Environmental Microbiology, 2015, 17, 1397-1413.	1.8	14

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91	Proteomic analysis of the outer membrane of Protochlamydia amoebophila elementary bodies. Proteomics, 2010, 10, 4363-4376.	1.3	13
92	Proteomic analysis reveals a virtually complete set of proteins for translation and energy generation in elementary bodies of the amoeba symbiont Protochlamydia amoebophila. Proteomics, 2011, 11, 1868-1892.	1.3	12
93	Molecular causes of an evolutionary shift along the parasitismâ€“mutualism continuum in a bacterial symbiont. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21658-21666.	3.3	12
94	Chlamydial endocytobionts of free-living amoebae differentially affect the growth rate of their hosts. European Journal of Protistology, 2004, 40, 57-60.	0.5	11
95	The Endosymbiont Amoebophilus asiaticus Encodes an S -Adenosylmethionine Carrier That Compensates for Its Missing Methylation Cycle. Journal of Bacteriology, 2013, 195, 3183-3192.	1.0	9
96	Ecology and evolution of chlamydial symbionts of arthropods. ISME Communications, 2022, 2, .	1.7	8
97	Trophosome of the Deep-Sea Tubeworm Riftia pachyptila Inhibits Bacterial Growth. PLoS ONE, 2016, 11, e0146446.	1.1	7
98	Draft Genome Sequence of â€œ Candidatus Hepatoplasma crinochetorumâ€•Ps, a Bacterial Symbiont in the Hepatopancreas of the Terrestrial Isopod Porcellio scaber. Genome Announcements, 2015, 3, .	0.8	3
99	Draft Genome Sequences of Chlamydiales Bacterium STE3 and Neochlamydia sp. Strain AcF84, Endosymbionts of Acanthamoeba spp. Microbiology Resource Announcements, 2020, 9, .	0.3	3
100	International Committee on Systematics of Prokaryotes (ICSP) Subcommittee on the taxonomy of Chlamydiae. Minutes of the closed meeting, 20 March 2019, Seattle, WA, USA. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3654-3656.	0.8	3
101	The life cycle-dependent transcriptional profile of the obligate intracellular amoeba symbiont Amoebophilus asiaticus. FEMS Microbiology Ecology, 2022, 98, .	1.3	1