Robert A Heinzen

List of Publications by Year
in descending order

83 papers	12,119 citations	61857 43 h-index	62479 80 g-index
86 all docs	86 docs citations	86 times ranked	18348 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Lounging in a lysosome: the intracellular lifestyle of Coxiella burnetii. Cellular Microbiology, 2007, 9, 829-840.	1.1	1,560
3	Complete genome sequence of the Q-fever pathogen Coxiella burnetii. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5455-5460.	3.3	506
4	Host cell-free growth of the Q fever bacterium <i>Coxiella burnetii</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4430-4434.	3.3	363
5	Temporal Analysis of Coxiella burnetii Morphological Differentiation. Journal of Bacteriology, 2004, 186, 7344-7352.	1.0	277
6	Dot/Icm Type IVB Secretion System Requirements for Coxiella burnetii Growth in Human Macrophages. MBio, 2011, 2, e00175-11.	1.8	214
7	Comparative Genomics Reveal Extensive Transposon-Mediated Genomic Plasticity and Diversity among Potential Effector Proteins within the Genus<i>Coxiella</i>. Infection and Immunity, 2009, 77, 642-656.	1.0	197
8	Isolation from Animal Tissue and Genetic Transformation of Coxiella burnetii Are Facilitated by an Improved Axenic Growth Medium. Applied and Environmental Microbiology, 2011, 77, 3720-3725.	1.4	191
9	Developmental biology of Coxiella burnetii. Trends in Microbiology, 1999, 7, 149-154.	3.5	181
10	<i>Coxiella burnetii</i> Phase I and II Variants Replicate with Similar Kinetics in Degradative Phagolysosome-Like Compartments of Human Macrophages. Infection and Immunity, 2010, 78, 3465-3474.	1.0	140
11	A Rickettsia WASP-like protein activates the Arp2/3 complex and mediates actin-based motility. Cellular Microbiology, 2004, 6, 761-769.	1.1	137
12	The<i>Coxiella burnetii</i>Ankyrin Repeat Domain-Containing Protein Family Is Heterogeneous, with C-Terminal Truncations That Influence Dot/Icm-Mediated Secretion. Journal of Bacteriology, 2009, 191, 4232-4242.	1.0	137
13	The <i>Coxiella burnetii</i> Cryptic Plasmid Is Enriched in Genes Encoding Type IV Secretion System Substrates. Journal of Bacteriology, 2011, 193, 1493-1503.	1.0	134
14	<i>Coxiella burnetii</i>Inhibits Apoptosis in Human THP-1 Cells and Monkey Primary Alveolar Macrophages. Infection and Immunity, 2007, 75, 4263-4271.	1.0	125
15	Maturation of the Coxiella burnetii parasitophorous vacuole requires bacterial protein synthesis but not replication. Cellular Microbiology, 2003, 5, 469-480.	1.1	122
16	Virulent Coxiella burnetii does not activate human dendritic cells: Role of lipopolysaccharide as a shielding molecule. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8722-8727.	3.3	122
17	Genetic Diversity of the Q Fever Agent, Coxiella burnetii , Assessed by Microarray-Based Whole-Genome Comparisons. Journal of Bacteriology, 2006, 188, 2309-2324.	1.0	122
18	Dynamics of Actin-Based Movement by <i>Rickettsia rickettsii</i> in Vero Cells. Infection and Immunity, 1999, 67, 4201-4207.	1.0	112

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19	Coxiella burnetii inhabits a cholesterol-rich vacuole and influences cellular cholesterol metabolism. Cellular Microbiology, 2006, 8, 496-507.	1.1	108
20	Ultrastructure of Rickettsia rickettsii Actin Tails and Localization of Cytoskeletal Proteins. Infection and Immunity, 2000, 68, 4706-4713.	1.0	104
21	Serological Evidence of Human Infection with the Protozoan <i>Neospora caninum</i>. Vaccine Journal, 1999, 6, 765-767.	2.6	101
22	Two Systems for Targeted Gene Deletion in Coxiella burnetii. Applied and Environmental Microbiology, 2012, 78, 4580-4589.	1.4	99
23	Characterization of a <i>Coxiella burnetii ftsZ</i> Mutant Generated by <i>Himar1</i> Transposon Mutagenesis. Journal of Bacteriology, 2009, 191, 1369-1381.	1.0	94
24	Candidate Antigens for Q Fever Serodiagnosis Revealed by Immunoscreening of a <i>Coxiella burnetii</i> Protein Microarray. Vaccine Journal, 2008, 15, 1771-1779.	3.2	92
25	Sustained Activation of Akt and Erk1/2 Is Required for<i>Coxiella burnetii</i>Antiapoptotic Activity. Infection and Immunity, 2009, 77, 205-213.	1.0	88
26	<i>Coxiella burnetii</i> effector protein subverts clathrin-mediated vesicular trafficking for pathogen vacuole biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4770-9.	3.3	85
27	Right on Q: genetics begin to unravel<i>Coxiella burnetii</i>host cell interactions. Future Microbiology, 2016, 11, 919-939.	1.0	84
28	Proteome and Antigen Profiling of Coxiella burnetii Developmental Forms. Infection and Immunity, 2007, 75, 290-298.	1.0	80
29	Advances in Genetic Manipulation of Obligate Intracellular Bacterial Pathogens. Frontiers in Microbiology, 2011, 2, 97.	1.5	79
30	Coxiella burnetii Effector Proteins That Localize to the Parasitophorous Vacuole Membrane Promote Intracellular Replication. Infection and Immunity, 2015, 83, 661-670.	1.0	79
31	Rapid Typing of Coxiella burnetii. PLoS ONE, 2011, 6, e26201.	1.1	76
32	Sustained Axenic Metabolic Activity by the Obligate Intracellular Bacterium <i>Coxiella burnetii</i>. Journal of Bacteriology, 2008, 190, 3203-3212.	1.0	71
33	Nitric Oxide Inhibits Coxiella burnetii Replication and Parasitophorous Vacuole Maturation. Infection and Immunity, 2002, 70, 5140-5147.	1.0	69
34	Coxiella type IV secretion and cellular microbiology. Current Opinion in Microbiology, 2009, 12, 74-80.	2.3	66
35	Adaptive immunity to the obligate intracellular pathogen Coxiella burnetii. Immunologic Research, 2009, 43, 138-148.	1.3	65
36	Complementation of Arginine Auxotrophy for Genetic Transformation of Coxiella burnetii by Use of a Defined Axenic Medium. Applied and Environmental Microbiology, 2016, 82, 3042-3051.	1.4	64

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37	Genetic mechanisms of Coxiella burnetii lipopolysaccharide phase variation. PLoS Pathogens, 2018, 14, e1006922.	2.1	60
38	Rickettsial Actinâ€Based Motility. Annals of the New York Academy of Sciences, 2003, 990, 535-547.	1.8	58
39	Fusogenicity of the <i>Coxiella burnetii</i> Parasitophorous Vacuole. Annals of the New York Academy of Sciences, 2003, 990, 556-562.	1.8	57
40	Specificity of Legionella pneumophila and Coxiella burnetii Vacuoles and Versatility of Legionella pneumophila Revealed by Coinfection. Infection and Immunity, 2005, 73, 4494-4504.	1.0	55
41	Bacterial Colonization of Host Cells in the Absence of Cholesterol. PLoS Pathogens, 2013, 9, e1003107.	2.1	55
42	Comparative DNA Microarray Analysis of Host Cell Transcriptional Responses to Infection by <i>Coxiella burnetii</i> or <i>Chlamydia trachomatis</i>. Annals of the New York Academy of Sciences, 2003, 990, 701-713.	1.8	54
43	Life on the Outside: The Rescue ofCoxiella burnetiifrom Its Host Cell. Annual Review of Microbiology, 2011, 65, 111-128.	2.9	52
44	Transcriptional Profiling of Coxiella burnetii Reveals Extensive Cell Wall Remodeling in the Small Cell Variant Developmental Form. PLoS ONE, 2016, 11, e0149957.	1.1	50
45	Î²-Barrel proteins tether the outer membrane in many Gram-negative bacteria. Nature Microbiology, 2021, 6, 19-26.	5.9	46
46	Elevated Cholesterol in the <i>Coxiella burnetii</i> Intracellular Niche Is Bacteriolytic. MBio, 2017, 8, .	1.8	44
47	Essential Role for the Response Regulator PmrA in Coxiella burnetii Type 4B Secretion and Colonization of Mammalian Host Cells. Journal of Bacteriology, 2014, 196, 1925-1940.	1.0	43
48	Developmental transitions of Coxiella burnetii grown in axenic media. Journal of Microbiological Methods, 2014, 96, 104-110.	0.7	43
49	Comparative virulence of diverse<i>Coxiella burnetii</i>strains. Virulence, 2019, 10, 133-150.	1.8	41
50	A method for purifying obligate intracellular Coxiella burnetii that employs digitonin lysis of host cells. Journal of Microbiological Methods, 2008, 72, 321-325.	0.7	40
51	Interactions between the<i>Coxiella burnetii</i>parasitophorous vacuole and the endoplasmic reticulum involve the host protein ORP1L. Cellular Microbiology, 2017, 19, e12637.	1.1	38
52	The Coxiella burnetii Parasitophorous Vacuole. Advances in Experimental Medicine and Biology, 2012, 984, 141-169.	0.8	37
53	Antibody-mediated immunity to the obligate intracellular bacterial pathogen Coxiella burnetii is Fc receptor- and complement-independent. BMC Immunology, 2009, 10, 26.	0.9	34
54	<i>Coxiella burnetii</i> Expresses a Functional Î”24 Sterol Reductase. Journal of Bacteriology, 2010, 192, 6154-6159.	1.0	34

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55	<i>Coxiella burnetii</i> RpoS Regulates Genes Involved in Morphological Differentiation and Intracellular Growth. Journal of Bacteriology, 2019, 201, .	1.0	33
56	Gene Inactivation in Coxiella burnetii. Methods in Molecular Biology, 2014, 1197, 329-345.	0.4	30
57	Bringing Culture to the Uncultured: Coxiella burnetii and Lessons for Obligate Intracellular Bacterial Pathogens. PLoS Pathogens, 2013, 9, e1003540.	2.1	28
58	Hostâ€"microbe interaction systems biology: lifecycle transcriptomics and comparative genomics. Future Microbiology, 2010, 5, 205-219.	1.0	27
59	Infection of Human Monocyte-Derived Macrophages With Coxiella burnetii. , 2008, 431, 189-200.		25
60	Sec-mediated secretion by Coxiella burnetii. BMC Microbiology, 2013, 13, 222.	1.3	25
61	Whole-Genome Sequence of Coxiella burnetii Nine Mile RSA439 (Phase II, Clone 4), a Laboratory Workhorse Strain. Genome Announcements, 2017, 5, .	0.8	24
62	High-Content Imaging Reveals Expansion of the Endosomal Compartment during Coxiella burnetii Parasitophorous Vacuole Maturation. Frontiers in Cellular and Infection Microbiology, 2017, 7, 48.	1.8	23
63	Contributions of lipopolysaccharide and the type IVB secretion system to Coxiella burnetii vaccine efficacy and reactogenicity. Npj Vaccines, 2021, 6, 38.	2.9	22
64	Efficient Method of Cloning the Obligate Intracellular Bacterium Coxiella burnetii. Applied and Environmental Microbiology, 2007, 73, 4048-4054.	1.4	20
65	Noncanonical Inhibition of mTORC1 by Coxiella burnetii Promotes Replication within a Phagolysosome-Like Vacuole. MBio, 2019, 10, .	1.8	20
66	Lack of Dendritic Cell Maturation Following Infection by Coxiella burnetii Synthesizing Different Lipopolysaccharide Chemotypes. Annals of the New York Academy of Sciences, 2005, 1063, 154-160.	1.8	19
67	Replication of Coxiella burnetii Is Inhibited in CHO K-1 Cells Treated with Inhibitors of Cholesterol Metabolism. Annals of the New York Academy of Sciences, 2005, 1063, 123-129.	1.8	16
68	Actin polymerization in the endosomal pathway, but not on the Coxiella-containing vacuole, is essential for pathogen growth. PLoS Pathogens, 2018, 14, e1007005.	2.1	16
69	Robust growth of avirulent phase II Coxiella burnetii in bone marrow-derived murine macrophages. PLoS ONE, 2017, 12, e0173528.	1.1	14
70	A Coxiella burnetii phospholipase A homolog pldA is required for optimal growth in macrophages and developmental form lipid remodeling. BMC Microbiology, 2018, 18, 33.	1.3	13
71	Fractionation of the Coxiella burnetii Parasitophorous Vacuole. Methods in Molecular Biology, 2008, 445, 389-406.	0.4	12
72	Vasodilator-Stimulated Phosphoprotein Activity Is Required for Coxiella burnetii Growth in Human Macrophages. PLoS Pathogens, 2016, 12, e1005915.	2.1	11

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73	Dependency of <i>Coxiella burnetii</i> Type 4B Secretion on the Chaperone IcmS. Journal of Bacteriology, 2019, 201, .	1.0	9
74	Replication of Coxiella burnetii in a Lysosome-Like Vacuole Does Not Require Lysosomal Hydrolases. Infection and Immunity, 2019, 87, .	1.0	8
75	Intracellular Development of Coxiella burnetii. , 2002, , 99-129.		7
76	Draft Genome Sequences of the Avirulent Coxiella burnetii Dugway 7D77-80 and Dugway 7E65-68 Strains Isolated from Rodents in Dugway, Utah. Genome Announcements, 2017, 5, .	0.8	7
77	Preliminary Assessment of Genome Differences between the Reference Nine Mile Isolate and Two Human Endocarditis Isolates of Coxiella burnetii. Annals of the New York Academy of Sciences, 2005, 1063, 64-67.	1.8	6
78	Coxiella burnetii Sterol-Modifying Protein Stmp1 Regulates Cholesterol in the Intracellular Niche. MBio, 2022, 13, e0307321.	1.8	6
79	Draft Genome Sequences of Historical Strains of Coxiella burnetii Isolated from Cowâ€™s Milk and a Goat Placenta. Genome Announcements, 2017, 5, .	0.8	4
80	A Comprehensive Phenotypic Screening Strategy to Identify Modulators of Cargo Translocation by the Bacterial Type IVB Secretion System. MBio, 2022, 13, e0024022.	1.8	3
81	Draft Genome Sequences of Three Coxiella burnetii Strains Isolated from Q Fever Patients. Genome Announcements, 2017, 5, .	0.8	2
82	Murine Q Fever Vaccination Model Reveals Sex Dimorphism in Early Phase Delayed-Type Hypersensitivity Responses. Frontiers in Immunology, 0, 13, .	2.2	1
83	Exploring the Cause of Human Q Fever: Recent Advances in Coxiella burnetii Research. , 2010, , 75-85.		0