

Michael F Minnick

List of Publications by Citations

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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.

79
papers

1,810
citations

25
h-index

39
g-index

81
ext. papers

1,985
ext. citations

4.7
avg, IF

4.63
L-index

#	Paper	IF	Citations
79	Sequestration and scavenging of iron in infection. <i>Infection and Immunity</i> , 2013 , 81, 3503-14	3.7	145
78	Characterization of a two-gene locus from Bartonella bacilliformis associated with the ability to invade human erythrocytes. <i>Infection and Immunity</i> , 1995 , 63, 1552-62	3.7	92
77	Characterization of Bartonella bacilliformis flagella and effect of anti-flagellin antibodies on invasion of human erythrocytes. <i>Infection and Immunity</i> , 1993 , 61, 4962-71	3.7	78
76	The IalA invasion gene of Bartonella bacilliformis encodes a (de)nucleoside polyphosphate hydrolase of the MutT motif family and has homologs in other invasive bacteria. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 474-9	3.4	70
75	Oroya fever and verruga peruana: bartonelloses unique to South America. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2919	4.8	61
74	A highly repetitive DNA sequence possibly unique to canids. <i>Gene</i> , 1992 , 110, 235-8	3.8	57
73	A bacterial-induced lectin which triggers hemocyte coagulation in Manduca sexta. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 137, 729-35	3.4	56
72	Pestilence, persistence and pathogenicity: infection strategies of Bartonella. <i>Future Microbiology</i> , 2009 , 4, 743-58	2.9	55
71	Mitogenic effect of Bartonella bacilliformis on human vascular endothelial cells and involvement of GroEL. <i>Infection and Immunity</i> , 2003 , 71, 6933-42	3.7	54
70	Hemin-binding surface protein from Bartonella quintana. <i>Infection and Immunity</i> , 2000 , 68, 6750-7	3.7	50
69	Proteomic and immunoblot analyses of Bartonella quintana total membrane proteins identify antigens recognized by sera from infected patients. <i>Infection and Immunity</i> , 2007 , 75, 2548-61	3.7	48
68	Experimental model of human body louse infection using green fluorescent protein-expressing Bartonella quintana. <i>Infection and Immunity</i> , 2001 , 69, 1876-9	3.7	46
67	Five-member gene family of Bartonella quintana. <i>Infection and Immunity</i> , 2003 , 71, 814-21	3.7	44
66	Establishing a direct role for the Bartonella bacilliformis invasion-associated locus B (IalB) protein in human erythrocyte parasitism. <i>Infection and Immunity</i> , 2001 , 69, 4373-81	3.7	44
65	Cell entry and the pathogenesis of Bartonella infections. <i>Trends in Microbiology</i> , 1996 , 4, 343-7	12.4	37
64	Strategy for detection and differentiation of Coxiella burnetii strains using the polymerase chain reaction. <i>Annals of the New York Academy of Sciences</i> , 1990 , 590, 572-81	6.5	33
63	Development of a system for genetic manipulation of Bartonella bacilliformis. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 3441-8	4.8	32

62	Identification of outer membrane proteins of Bartonella bacilliformis. <i>Infection and Immunity</i> , 1994 , 62, 2644-8	3.7	31
61	Function, regulation, and transcriptional organization of the hemin utilization locus of Bartonella quintana. <i>Infection and Immunity</i> , 2009 , 77, 307-16	3.7	30
60	A bacteriophage-like particle from Bartonella bacilliformis. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 3), 599-609	2.9	30
59	Environmental signals generate a differential and coordinated expression of the heme receptor gene family of Bartonella quintana. <i>Infection and Immunity</i> , 2006 , 74, 3251-61	3.7	29
58	Mechanisms by which transcription can regulate somatic hypermutation. <i>Genes and Immunity</i> , 2004 , 5, 176-82	4.4	29
57	Reversion rates in a leuB auxotroph of Escherichia coli K-12 correlate with ppGpp levels during exponential growth. <i>Microbiology (United Kingdom)</i> , 1997 , 143 (Pt 3), 847-854	2.9	28
56	Toxic introns and parasitic intein in Coxiella burnetii: legacies of a promiscuous past. <i>Journal of Bacteriology</i> , 2008 , 190, 5934-43	3.5	28
55	Identification of novel small RNAs and characterization of the 6S RNA of Coxiella burnetii. <i>PLoS ONE</i> , 2014 , 9, e100147	3.7	28
54	A carboxy-terminal processing protease gene is located immediately upstream of the invasion-associated locus from Bartonella bacilliformis. <i>Microbiology (United Kingdom)</i> , 1997 , 143 (Pt 4), 1221-1233	2.9	25
53	Transcriptional regulation of the heme binding protein gene family of Bartonella quintana is accomplished by a novel promoter element and iron response regulator. <i>Infection and Immunity</i> , 2007 , 75, 4373-85	3.7	25
52	gyrA mutations in ciprofloxacin-resistant Bartonella bacilliformis strains obtained in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2003 , 47, 383-6	5.9	24
51	A DNA-binding peroxiredoxin of Coxiella burnetii is involved in countering oxidative stress during exponential-phase growth. <i>Journal of Bacteriology</i> , 2010 , 192, 2077-84	3.5	23
50	Differential expression of the invasion-associated locus B (ialB) gene of Bartonella bacilliformis in response to environmental cues. <i>Microbial Pathogenesis</i> , 2003 , 34, 179-86	3.8	23
49	Group I introns and inteins: disparate origins but convergent parasitic strategies. <i>Journal of Bacteriology</i> , 2009 , 191, 6193-202	3.5	22
48	Identification of Bartonella using PCR; genus- and species-specific primer sets. <i>Journal of Microbiological Methods</i> , 1997 , 31, 51-57	2.8	22
47	Colonization of Lutzomyia verrucarum and Lutzomyia longipalpis Sand Flies (Diptera: Psychodidae) by Bartonella bacilliformis, the Etiologic Agent of Carrion's Disease. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004128	4.8	21
46	Characterization of the 16S-23S rRNA intergenic spacer of Bartonella bacilliformis. <i>Gene</i> , 1994 , 143, 149-50	3.5	20
45	The unusual 23S rRNA gene of Coxiella burnetii: two self-splicing group I introns flank a 34-base-pair exon, and one element lacks the canonical omegaG. <i>Journal of Bacteriology</i> , 2007 , 189, 6572-5	3.5	19

44	A plasmid-encoded surface protein found in chronic-disease isolates of <i>Coxiella burnetii</i> . <i>Infection and Immunity</i> , 1991 , 59, 4735-9	3.7	19
43	Analysis of the <i>Caenorhabditis elegans</i> innate immune response to <i>Coxiella burnetii</i> . <i>Innate Immunity</i> , 2017 , 23, 111-127	2.7	18
42	II. Correlations between secondary structure stability and mutation frequency during somatic hypermutation. <i>Molecular Immunology</i> , 2008 , 45, 3600-8	4.3	18
41	Mutations in <i>Bartonella bacilliformis</i> gyrB confer resistance to coumermycin A1. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2906-13	5.9	17
40	Analysis of the cbHEU plasmid gene from acute disease-causing isolates of <i>Coxiella burnetii</i> . <i>Gene</i> , 1991 , 103, 113-8	3.8	17
39	I. VH gene transcription creates stabilized secondary structures for coordinated mutagenesis during somatic hypermutation. <i>Molecular Immunology</i> , 2008 , 45, 3589-99	4.3	15
38	Analysis of QpRS-specific sequences from <i>Coxiella burnetii</i> . <i>Annals of the New York Academy of Sciences</i> , 1990 , 590, 514-22	6.5	15
37	Developmental biology of <i>Coxiella burnetii</i> . <i>Advances in Experimental Medicine and Biology</i> , 2012 , 984, 231-48	3.6	14
36	Mutation-Driven Divergence and Convergence Indicate Adaptive Evolution of the Intracellular Human-Restricted Pathogen, <i>Bartonella bacilliformis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004712	4.8	13
35	Pentamidine inhibits <i>Coxiella burnetii</i> growth and 23S rRNA intron splicing in vitro. <i>International Journal of Antimicrobial Agents</i> , 2010 , 36, 380-2	14.3	12
34	A CsrA-Binding, -Acting sRNA of Is Necessary for Optimal Intracellular Growth and Vacuole Formation during Early Infection of Host Cells. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	10
33	A unique <i>Coxiella burnetii</i> lipoprotein involved in metal binding (LimB). <i>Microbiology (United Kingdom)</i> , 2011 , 157, 966-976	2.9	10
32	The roles of transcription and genotoxins underlying p53 mutagenesis in vivo. <i>Carcinogenesis</i> , 2011 , 32, 1559-67	4.6	10
31	Cloning, functional expression, and complementation analysis of an inorganic pyrophosphatase from <i>Bartonella bacilliformis</i> . <i>Canadian Journal of Microbiology</i> , 1997 , 43, 734-43	3.2	10
30	<i>Bartonella bacilliformis</i> GroEL: effect on growth of human vascular endothelial cells in infected cocultures. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1063, 286-98	6.5	10
29	Transformation of <i>Bartonella bacilliformis</i> by electroporation. <i>Canadian Journal of Microbiology</i> , 1994 , 40, 782-6	3.2	10
28	Tissue site and modification of a bacteria-induced coagulation protein from <i>Manduca sexta</i> . <i>Insect Biochemistry</i> , 1988 , 18, 637-644		10
27	Identification of novel MITEs (miniature inverted-repeat transposable elements) in <i>Coxiella burnetii</i> : implications for protein and small RNA evolution. <i>BMC Genomics</i> , 2018 , 19, 247	4.5	9

26	Proteins of Bartonella bacilliformis: Candidates for Vaccine Development. <i>International Journal of Peptides</i> , 2015 , 2015, 702784		8
25	Genetics of Coxiella burnetii: on the path of specialization. <i>Future Microbiology</i> , 2011 , 6, 1297-314	2.9	8
24	Bartonella interactions with host cells. <i>Sub-Cellular Biochemistry</i> , 2000 , 33, 97-123	5.5	8
23	Ribozyme stability, exon skipping, and a potential role for RNA helicase in group I intron splicing by Coxiella burnetii. <i>Journal of Bacteriology</i> , 2011 , 193, 5292-9	3.5	7
22	Nucleotide sequence analysis of the 23S ribosomal RNA-encoding gene of Bartonella bacilliformis. <i>Gene</i> , 1995 , 162, 75-9	3.8	7
21	Nucleotide sequence of the 5S ribosomal RNA gene of Bartonella bacilliformis. <i>Nucleic Acids Research</i> , 1993 , 21, 1036	20.1	7
20	Regulation and synthesis of selected bacteria-induced proteins in Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , 1992 , 22, 321-331	4.5	7
19	Kinetic models reveal the in vivo mechanisms of mutagenesis in microbes and man. <i>Mutation Research - Reviews in Mutation Research</i> , 2013 , 752, 129-137	7	6
18	A unique group I intron in Coxiella burnetii is a natural splice mutant. <i>Journal of Bacteriology</i> , 2009 , 191, 4044-6	3.5	6
17	Nucleotide sequence and comparison of the 5S ribosomal RNA genes of Rochalimaea henselae, R. quintana and Brucella abortus. <i>Nucleic Acids Research</i> , 1993 , 21, 2518	20.1	6
16	The Intervening Sequence of Coxiella burnetii: Characterization and Evolution. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016 , 6, 83	5.9	6
15	Characterization and expression analysis of the groESL operon of Bartonella bacilliformis. <i>Gene</i> , 2005 , 359, 53-62	3.8	5
14	The Genus Bartonella 2006 , 467-492		5
13	Evolution of coordinated mutagenesis and somatic hypermutation in VH5. <i>Molecular Immunology</i> , 2011 , 49, 537-48	4.3	4
12	Human vascular endothelial cells express epithelial growth factor in response to infection by Bartonella bacilliformis. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008236	4.8	4
11	Laboratory maintenance of Bartonella quintana. <i>Current Protocols in Microbiology</i> , 2008 , Chapter 3, Unit 3C.1.1-3C.1.13	7.1	4
10	Cloning and sequence analysis of a hemolysin-encoding gene from Pseudomonas paucimobilis. <i>Gene</i> , 1993 , 130, 57-63	3.8	3
9	Novel small RNAs expressed by Bartonella bacilliformis under multiple conditions reveal potential mechanisms for persistence in the sand fly vector and human host. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008671	4.8	3

8	Bartonella 2015 , 1911-1939		2
7	Characterization of the fMet initiator tRNA gene of Bartonella bacilliformis. <i>Gene</i> , 1993 , 131, 151-2	3.8	2
6	Bartonella 2002 , 2115-2136		2
5	Bartonellosis 2006 , 454-462		2
4	Coxiella burnetii small RNA 12 binds CsrA regulatory protein and transcripts for the CvpD type IV effector, regulates pyrimidine and methionine metabolism, and is necessary for optimal intracellular growth and vacuole formation during infection		1
3	Gene duplication and deletion, not horizontal transfer, drove intra-species mosaicism of Bartonella henselae. <i>Genomics</i> , 2020 , 112, 467-471	4.3	1
2	Coxiella 2015 , 1941-1972		0
1	Virulence Determinants of Bartonella bacilliformis 2002 , 197-211		