

Michael F Minnick

List of Publications by Year in descending order

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78
papers

2,186
citations

201575

27
h-index

265120

42
g-index

81
all docs

81
docs citations

81
times ranked

1882
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequestration and Scavenging of Iron in Infection. <i>Infection and Immunity</i> , 2013, 81, 3503-3514.	1.0	213
2	Characterization of a two-gene locus from <i>Bartonella bacilliformis</i> associated with the ability to invade human erythrocytes. <i>Infection and Immunity</i> , 1995, 63, 1552-1562.	1.0	104
3	Characterization of <i>Bartonella bacilliformis</i> flagella and effect of anti-flagellin antibodies on invasion of human erythrocytes. <i>Infection and Immunity</i> , 1993, 61, 4962-4971.	1.0	99
4	The <i>lalA</i> Invasion Gene of <i>Bartonella bacilliformis</i> Encodes a (D)Nucleoside Polyphosphate Hydrolase of the MutT Motif Family and Has Homologs in Other Invasive Bacteria. <i>Biochemical and Biophysical Research Communications</i> , 1999, 256, 474-479.	1.0	76
5	Oroya Fever and Verruga Peruana: Bartonellosis Unique to South America. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2919.	1.3	75
6	A bacterial-induced lectin which triggers hemocyte coagulation in <i>Manduca sexta</i> . <i>Biochemical and Biophysical Research Communications</i> , 1986, 137, 729-735.	1.0	63
7	A highly repetitive DNA sequence possibly unique to canids. <i>Gene</i> , 1992, 110, 235-238.	1.0	61
8	Pestilence, persistence and pathogenicity: infection strategies of <i>Bartonella</i> . <i>Future Microbiology</i> , 2009, 4, 743-758.	1.0	61
9	Mitogenic Effect of <i>Bartonella bacilliformis</i> on Human Vascular Endothelial Cells and Involvement of GroEL. <i>Infection and Immunity</i> , 2003, 71, 6933-6942.	1.0	59
10	Hemin-Binding Surface Protein from <i>Bartonella quintana</i> . <i>Infection and Immunity</i> , 2000, 68, 6750-6757.	1.0	57
11	Establishing a Direct Role for the <i>Bartonella bacilliformis</i> Invasion-Associated Locus B (<i>lalB</i>) Protein in Human Erythrocyte Parasitism. <i>Infection and Immunity</i> , 2001, 69, 4373-4381.	1.0	56
12	Experimental Model of Human Body Louse Infection Using Green Fluorescent Protein-Expressing <i>Bartonella quintana</i> . <i>Infection and Immunity</i> , 2001, 69, 1876-1879.	1.0	55
13	Five-Member Gene Family of <i>Bartonella quintana</i> . <i>Infection and Immunity</i> , 2003, 71, 814-821.	1.0	52
14	Proteomic and Immunoblot Analyses of <i>Bartonella quintana</i> Total Membrane Proteins Identify Antigens Recognized by Sera from Infected Patients. <i>Infection and Immunity</i> , 2007, 75, 2548-2561.	1.0	52
15	Strategy for Detection and Differentiation of <i>Coxiella burnetii</i> Strains Using the Polymerase Chain Reaction. <i>Annals of the New York Academy of Sciences</i> , 1990, 590, 572-581.	1.8	42
16	Cell entry and the pathogenesis of <i>Bartonella</i> infections. <i>Trends in Microbiology</i> , 1996, 4, 343-347.	3.5	41
17	A bacteriophage-like particle from <i>Bartonella bacilliformis</i> . <i>Microbiology (United Kingdom)</i> , 2000, 146, 599-609.	0.7	37
18	Identification of outer membrane proteins of <i>Bartonella bacilliformis</i> . <i>Infection and Immunity</i> , 1994, 62, 2644-2648.	1.0	37

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19	Development of a System for Genetic Manipulation of <i>Bartonella bacilliformis</i> . <i>Applied and Environmental Microbiology</i> , 1999, 65, 3441-3448.	1.4	36
20	Environmental Signals Generate a Differential and Coordinated Expression of the Heme Receptor Gene Family of <i>Bartonella quintana</i> . <i>Infection and Immunity</i> , 2006, 74, 3251-3261.	1.0	35
21	Function, Regulation, and Transcriptional Organization of the Hemin Utilization Locus of <i>Bartonella quintana</i> . <i>Infection and Immunity</i> , 2009, 77, 307-316.	1.0	34
22	Colonization of <i>Lutzomyia verrucarum</i> and <i>Lutzomyia longipalpis</i> Sand Flies (Diptera: Psychodidae) by <i>Bartonella bacilliformis</i> , the Etiologic Agent of Carrion's Disease. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004128.	1.3	32
23	Identification of Novel Small RNAs and Characterization of the 6S RNA of <i>Coxiella burnetii</i> . <i>PLoS ONE</i> , 2014, 9, e100147.	1.1	32
24	A carboxy-terminal processing protease gene is located immediately upstream of the invasion-associated locus from <i>Bartonella bacilliformis</i> . <i>Microbiology (United Kingdom)</i> , 1997, 143, 1221-1233.	0.7	30
25	Reversion rates in a <i>leuB</i> auxotroph of <i>Escherichia coli</i> K-12 correlate with ppGpp levels during exponential growth. <i>Microbiology (United Kingdom)</i> , 1997, 143, 847-854.	0.7	30
26	<i>gyrA</i> Mutations in Ciprofloxacin-Resistant <i>Bartonella bacilliformis</i> Strains Obtained In Vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 383-386.	1.4	30
27	Mechanisms by which transcription can regulate somatic hypermutation. <i>Genes and Immunity</i> , 2004, 5, 176-182.	2.2	30
28	Developmental Biology of <i>Coxiella burnetii</i> . <i>Advances in Experimental Medicine and Biology</i> , 2012, 984, 231-248.	0.8	30
29	Characterization of the 16S-23S rRNA intergenic spacer of <i>Bartonella bacilliformis</i> . <i>Gene</i> , 1994, 143, 149-150.	1.0	29
30	Toxic Introns and Parasitic Intein in <i>Coxiella burnetii</i> : Legacies of a Promiscuous Past. <i>Journal of Bacteriology</i> , 2008, 190, 5934-5943.	1.0	29
31	Differential expression of the invasion-associated locus B (<i>ialB</i>) gene of <i>Bartonella bacilliformis</i> in response to environmental cues. <i>Microbial Pathogenesis</i> , 2003, 34, 179-186.	1.3	28
32	Transcriptional Regulation of the Heme Binding Protein Gene Family of <i>Bartonella quintana</i> Is Accomplished by a Novel Promoter Element and Iron Response Regulator. <i>Infection and Immunity</i> , 2007, 75, 4373-4385.	1.0	27
33	Group I Introns and Inteins: Disparate Origins but Convergent Parasitic Strategies. <i>Journal of Bacteriology</i> , 2009, 191, 6193-6202.	1.0	27
34	A DNA-Binding Peroxiredoxin of <i>Coxiella burnetii</i> Is Involved in Countering Oxidative Stress during Exponential-Phase Growth. <i>Journal of Bacteriology</i> , 2010, 192, 2077-2084.	1.0	27
35	Identification of <i>Bartonella</i> using PCR; genus- and species-specific primer sets. <i>Journal of Microbiological Methods</i> , 1997, 31, 51-57.	0.7	24
36	A plasmid-encoded surface protein found in chronic-disease isolates of <i>Coxiella burnetii</i> . <i>Infection and Immunity</i> , 1991, 59, 4735-4739.	1.0	23

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37	Analysis of QpRS-Specific Sequences from <i>Coxiella burnetii</i> . <i>Annals of the New York Academy of Sciences</i> , 1990, 590, 514-522.	1.8	22
38	The Unusual 23S rRNA Gene of <i>Coxiella burnetii</i> : Two Self-Splicing Group I Introns Flank a 34-Base-Pair Exon, and One Element Lacks the Canonical TCG. <i>Journal of Bacteriology</i> , 2007, 189, 6572-6579.	1.0	21
39	II. Correlations between secondary structure stability and mutation frequency during somatic hypermutation. <i>Molecular Immunology</i> , 2008, 45, 3600-3608.	1.0	20
40	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.	1.3	19
41	Analysis of the <i>Caenorhabditis elegans</i> innate immune response to <i>Coxiella burnetii</i> . <i>Innate Immunity</i> , 2017, 23, 111-127.	1.1	19
42	Analysis of the <i>cbhE'</i> plasmid gene from acute disease-causing isolates of <i>Coxiella burnetii</i> . <i>Gene</i> , 1991, 103, 113-118.	1.0	18
43	Mutations in <i>Bartonella bacilliformis gyrB</i> Confer Resistance to Coumermycin A ₁ . <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2906-2913.	1.4	18
44	Genetics of <i>Coxiella burnetii</i> : on the path of specialization. <i>Future Microbiology</i> , 2011, 6, 1297-1314.	1.0	16
45	I. VH gene transcription creates stabilized secondary structures for coordinated mutagenesis during somatic hypermutation. <i>Molecular Immunology</i> , 2008, 45, 3589-3599.	1.0	15
46	Proteins of <i>Bartonella bacilliformis</i> : Candidates for Vaccine Development. <i>International Journal of Peptides</i> , 2015, 2015, 1-5.	0.7	14
47	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.	1.2	14
48	A CsrA-Binding, <i>trans</i> -Acting sRNA of <i>Coxiella burnetii</i> Is Necessary for Optimal Intracellular Growth and Vacuole Formation during Early Infection of Host Cells. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	14
49	Transformation of <i>Bartonella bacilliformis</i> by electroporation. <i>Canadian Journal of Microbiology</i> , 1994, 40, 782-786.	0.8	13
50	Pentamidine inhibits <i>Coxiella burnetii</i> growth and 23S rRNA intron splicing in vitro. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 380-382.	1.1	13
51	<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, 286-298.	1.8	12
52	Tissue site and modification of a bacteria-induced coagulation protein from <i>Manduca sexta</i> . <i>Insect Biochemistry</i> , 1988, 18, 637-644.	1.8	11
53	Cloning, functional expression, and complementation analysis of an inorganic pyrophosphatase from <i>Bartonella bacilliformis</i> . <i>Canadian Journal of Microbiology</i> , 1997, 43, 734-743.	0.8	11
54	A unique <i>Coxiella burnetii</i> lipoprotein involved in metal binding (LimB). <i>Microbiology (United Kingdom)</i> , 2007, 161, 1071-1079.	0.7	11

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55	The roles of transcription and genotoxins underlying p53 mutagenesis in vivo. <i>Carcinogenesis</i> , 2011, 32, 1559-1567.	1.3	10
56	Nucleotide sequence and comparison of the 5S ribosomal RNA genes of <i>Rochalimaea henselae</i> , <i>R. quintana</i> and <i>Brucella abortus</i> . <i>Nucleic Acids Research</i> , 1993, 21, 2518-2518.	6.5	9
57	Bartonella Interactions with Host Cells. <i>Sub-Cellular Biochemistry</i> , 2000, 33, 97-123.	1.0	9
58	Nucleotide sequence analysis of the 23S ribosomal RNA-encoding gene of <i>Bartonella bacilliformis</i> . <i>Gene</i> , 1995, 162, 75-79.	1.0	8
59	Human vascular endothelial cells express epithelial growth factor in response to infection by <i>Bartonella bacilliformis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008236.	1.3	8
60	Regulation and synthesis of selected bacteria-induced proteins in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1992, 22, 321-331.	1.2	7
61	Nucleotide sequence of the 5S ribosomal RNA gene of <i>Bartonella bacilliformis</i> . <i>Nucleic Acids Research</i> , 1993, 21, 1036-1036.	6.5	7
62	Ribozyme Stability, Exon Skipping, and a Potential Role for RNA Helicase in Group I Intron Splicing by <i>Coxiella burnetii</i> . <i>Journal of Bacteriology</i> , 2011, 193, 5292-5299.	1.0	7
63	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.	2.4	7
64	Novel small RNAs expressed by <i>Bartonella bacilliformis</i> 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.	1.3	7
65	A Unique Group I Intron in <i>Coxiella burnetii</i> Is a Natural Splice Mutant. <i>Journal of Bacteriology</i> , 2009, 191, 4044-4046.	1.0	6
66	<i>Bartonella</i> . , 2015, , 1911-1939.		6
67	The Intervening Sequence of <i>Coxiella burnetii</i> : Characterization and Evolution. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 83.	1.8	6
68	Laboratory Maintenance of <i>Bartonella quintana</i> . <i>Current Protocols in Microbiology</i> , 2008, 10, Unit 3C.1.1-3C.1.13.	6.5	6
69	Characterization and expression analysis of the groESL operon of <i>Bartonella bacilliformis</i> . <i>Gene</i> , 2005, 359, 53-62.	1.0	5
70	The Genus <i>Bartonella</i> . , 2006, , 467-492.		5
71	Evolution of coordinated mutagenesis and somatic hypermutation in VH5. <i>Molecular Immunology</i> , 2011, 49, 537-548.	1.0	4
72	Gene duplication and deletion, not horizontal transfer, drove intra-species mosaicism of <i>Bartonella henselae</i> . <i>Genomics</i> , 2020, 112, 467-471.	1.3	4

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73	Cloning and sequence analysis of a hemolysin-encoding gene from <i>Pseudomonas paucimobilis</i> . <i>Gene</i> , 1993, 130, 57-63.	1.0	3
74	Characterization of the fMet initiator tRNA gene of <i>Bartonella bacilliformis</i> . <i>Gene</i> , 1993, 131, 151-152.	1.0	2
75	<i>Bartonellosis</i> . , 2006, , 454-462.		2
76	<i>Bartonella</i> . , 2002, , 2115-2136.		2
77	<i>Coxiella</i> . , 2015, , 1941-1972.		1
78	Virulence Determinants of <i>Bartonella bacilliformis</i> . , 2002, , 197-211.		0