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List of Publications by Year in descending order

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62
papers

1,605
citations

279798

23
h-index

330143

37
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all docs

63
docs citations

63
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of obligate intracellular bacteria: progress, challenges and paradigms. <i>Nature Reviews Microbiology</i> , 2017, 15, 544-558.	28.6	144
2	Current and Future Distribution of the Lone Star Tick, <i>Amblyomma americanum</i> (L.) (Acari: Ixodidae) in North America. <i>PLoS ONE</i> , 2019, 14, e0209082.	2.5	137
3	Persistent <i>Ehrlichia chaffeensis</i> Infection Occurs in the Absence of Functional Major Histocompatibility Complex Class II Genes. <i>Infection and Immunity</i> , 2002, 70, 380-388.	2.2	77
4	Multiplex Detection of <i>Ehrlichia</i> and <i>Anaplasma</i> Species Pathogens in Peripheral Blood by Real-Time Reverse Transcriptase-Polymerase Chain Reaction. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 308-316.	2.8	72
5	Targeted and Random Mutagenesis of <i>Ehrlichia chaffeensis</i> for the Identification of Genes Required for In vivo Infection. <i>PLoS Pathogens</i> , 2013, 9, e1003171.	4.7	66
6	<i>Ehrlichia chaffeensis</i> Expresses Macrophage- and Tick Cell-Specific 28-Kilodalton Outer Membrane Proteins. <i>Infection and Immunity</i> , 2005, 73, 79-87.	2.2	63
7	Unique macrophage and tick cell-specific protein expression from the p28/p30-outer membrane protein multigene locus in <i>Ehrlichia chaffeensis</i> and <i>Ehrlichia canis</i> . <i>Cellular Microbiology</i> , 2006, 8, 1475-1487.	2.1	63
8	High prevalence of <i>Candidatus Rickettsia andeanae</i> and apparent exclusion of <i>Rickettsia parkeri</i> in adult <i>Amblyomma maculatum</i> (Acari: Ixodidae) from Kansas and Oklahoma. <i>Ticks and Tick-borne Diseases</i> , 2015, 6, 297-302.	2.7	49
9	Comparative Experimental Infection Study in Dogs with <i>Ehrlichia canis</i> , <i>E. chaffeensis</i> , <i>Anaplasma platys</i> and <i>A. phagocytophilum</i> . <i>PLoS ONE</i> , 2016, 11, e0148239.	2.5	48
10	Total, Membrane, and Immunogenic Proteomes of Macrophage- and Tick Cell-Derived <i>Ehrlichia chaffeensis</i> Evaluated by Liquid Chromatography-Tandem Mass Spectrometry and MALDI-TOF Methods. <i>Infection and Immunity</i> , 2008, 76, 4823-4832.	2.2	45
11	Differential Clearance and Immune Responses to Tick Cell-Derived versus Macrophage Culture-Derived <i>Ehrlichia chaffeensis</i> in Mice. <i>Infection and Immunity</i> , 2007, 75, 135-145.	2.2	43
12	Maximum Entropy-Based Ecological Niche Model and Bio-Climatic Determinants of Lone Star Tick (<i>Amblyomma americanum</i>) Niche. <i>Vector-Borne and Zoonotic Diseases</i> , 2016, 16, 205-211.	1.5	40
13	Delayed Clearance of <i>Ehrlichia chaffeensis</i> Infection in CD4 + T-Cell Knockout Mice. <i>Infection and Immunity</i> , 2004, 72, 159-167.	2.2	39
14	Comparison of iatrogenic transmission of <i>Anaplasma marginale</i> in Holstein steers via needle and needle-free injection techniques. <i>American Journal of Veterinary Research</i> , 2010, 71, 1178-1188.	0.6	38
15	Aggregate-Reactivation Activity of the Molecular Chaperone ClpB from <i>Ehrlichia chaffeensis</i> . <i>PLoS ONE</i> , 2013, 8, e62454.	2.5	37
16	Assessing the current and future potential geographic distribution of the American dog tick, <i>Dermacentor variabilis</i> (Say) (Acari: Ixodidae) in North America. <i>PLoS ONE</i> , 2020, 15, e0237191.	2.5	36
17	Detection of <i>Anaplasma marginale</i> and <i>A. phagocytophilum</i> in Bovine Peripheral Blood Samples by Duplex Real-Time Reverse Transcriptase PCR Assay. <i>Journal of Clinical Microbiology</i> , 2010, 48, 2424-2432.	3.9	32
18	Transmission Electron Microscopy Reveals Distinct Macrophage- and Tick Cell-Specific Morphological Stages of <i>Ehrlichia chaffeensis</i> . <i>PLoS ONE</i> , 2012, 7, e36749.	2.5	30

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19	Attenuated Mutants of <i>Ehrlichia chaffeensis</i> Induce Protection against Wild-Type Infection Challenge in the Reservoir Host and in an Incidental Host. <i>Infection and Immunity</i> , 2015, 83, 2827-2835.	2.2	30
20	<i>Ehrlichia chaffeensis</i> Infection in the Reservoir Host (White-Tailed Deer) and in an Incidental Host (Dog) Is Impacted by Its Prior Growth in Macrophage and Tick Cell Environments. <i>PLoS ONE</i> , 2014, 9, e109056.	2.5	29
21	Vaccination with an Attenuated Mutant of <i>Ehrlichia chaffeensis</i> Induces Pathogen-Specific CD4+ T Cell Immunity and Protection from Tick-Transmitted Wild-Type Challenge in the Canine Host. <i>PLoS ONE</i> , 2016, 11, e0148229.	2.5	28
22	Laboratory Maintenance of <i>Ehrlichia chaffeensis</i> and <i>Ehrlichia canis</i> and Recovery of Organisms for Molecular Biology and Proteomics Studies. <i>Current Protocols in Microbiology</i> , 2008, 9, Unit 3A.1.	6.5	28
23	Mutations in <i>Ehrlichia chaffeensis</i> Causing Polar Effects in Gene Expression and Differential Host Specificities. <i>PLoS ONE</i> , 2015, 10, e0132657.	2.5	28
24	<i>Rickettsia rickettsii</i> Whole-Cell Antigens Offer Protection against Rocky Mountain Spotted Fever in the Canine Host. <i>Infection and Immunity</i> , 2019, 87, .	2.2	27
25	Identification of Critical Host Mitochondrion-Associated Genes during <i>Ehrlichia chaffeensis</i> Infections. <i>Infection and Immunity</i> , 2012, 80, 3576-3586.	2.2	23
26	The efficacy of three chlortetracycline regimens in the treatment of persistent <i>Anaplasma marginale</i> infection. <i>Veterinary Microbiology</i> , 2010, 145, 69-75.	1.9	22
27	Hierarchical Bayesian Spatio-Temporal Analysis of Climatic and Socio-Economic Determinants of Rocky Mountain Spotted Fever. <i>PLoS ONE</i> , 2016, 11, e0150180.	2.5	21
28	AMP-activated protein kinase (AMPK) regulates autophagy, inflammation and immunity and contributes to osteoclast differentiation and function. <i>abs. Biology of the Cell</i> , 2020, 112, 251-264.	2.0	21
29	Bayesian Space-Time Patterns and Climatic Determinants of Bovine Anaplasmosis. <i>PLoS ONE</i> , 2016, 11, e0151924.	2.5	21
30	A genetic system for targeted mutations to disrupt and restore genes in the obligate bacterium, <i>Ehrlichia chaffeensis</i> . <i>Scientific Reports</i> , 2017, 7, 15801.	3.3	17
31	Bayesian Spatio-Temporal Analysis and Geospatial Risk Factors of Human Monocytic Ehrlichiosis. <i>PLoS ONE</i> , 2014, 9, e100850.	2.5	17
32	Use of <i>Drosophila</i> S2 Cells as a Model for Studying <i>Ehrlichia chaffeensis</i> Infections. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1886-1891.	3.1	15
33	<i>Amblyomma americanum</i> ticks infected with in vitro cultured wild-type and mutants of <i>Ehrlichia chaffeensis</i> are competent to produce infection in naïve deer and dogs. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 60-64.	2.7	15
34	Transcription of <i>Ehrlichia chaffeensis</i> Genes Is Accomplished by RNA Polymerase Holoenzyme Containing either Sigma 32 or Sigma 70. <i>PLoS ONE</i> , 2013, 8, e81780.	2.5	14
35	Promoter analysis of macrophage- and tick cell-specific differentially expressed <i>Ehrlichia chaffeensis</i> p28-Omp genes. <i>BMC Microbiology</i> , 2009, 9, 99.	3.3	13
36	Molecular detection and characterization of <i>Anaplasma platys</i> and <i>Ehrlichia canis</i> in dogs from the Caribbean. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101727.	2.7	13

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37	Defining the immune response to Ehrlichia species using murine models. <i>Veterinary Parasitology</i> , 2008, 158, 344-359.	1.8	11
38	Isolation and characterization of Ehrlichia chaffeensis RNA polymerase and its use in evaluating p28 outer membrane protein gene promoters. <i>BMC Microbiology</i> , 2011, 11, 83.	3.3	11
39	Heterogeneous Associations of Ecological Attributes with Tick-Borne Rickettsial Pathogens in a Periurban Landscape. <i>Vector-Borne and Zoonotic Diseases</i> , 2016, 16, 569-576.	1.5	11
40	Antigen-Specific CD4+CD8+ Double-Positive T Cells Are Increased in the Blood and Spleen During Ehrlichia chaffeensis Infection in the Canine Host. <i>Frontiers in Immunology</i> , 2018, 9, 1585.	4.8	11
41	Genetic characterization of extraintestinal Escherichia coli isolates from chicken, cow and swine. <i>AMB Express</i> , 2018, 8, 117.	3.0	10
42	Multiple Ehrlichia chaffeensis Genes Critical for Its Persistent Infection in a Vertebrate Host Are Identified by Random Mutagenesis Coupled with <i>In Vivo</i> Infection Assessment. <i>Infection and Immunity</i> , 2020, 88, .	2.2	10
43	Protein aggregation in Ehrlichia chaffeensis during infection of mammalian cells. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	9
44	Sequence determinants spanning -35 motif and AT-rich spacer region impacting Ehrlichia chaffeensis Sigma 70-dependent promoter activity of two differentially expressed p28 outer membrane protein genes. <i>DNA Research</i> , 2016, 23, 495-505.	3.4	9
45	Experimental infection of Rhipicephalus sanguineus with Ehrlichia chaffeensis. <i>Veterinary Microbiology</i> , 2014, 172, 334-338.	1.9	8
46	Impact of Three Different Mutations in Ehrlichia chaffeensis in Altering the Global Gene Expression Patterns. <i>Scientific Reports</i> , 2018, 8, 6162.	3.3	8
47	Bovine anaplasmosis herd prevalence and management practices as risk-factors associated with herd disease status. <i>Veterinary Parasitology: X</i> , 2020, 277, 100021.	2.7	8
48	Initial development and preliminary evaluation of a multiplex bead assay to detect antibodies to Ehrlichia canis, Anaplasma platys, and Ehrlichia chaffeensis outer membrane peptides in naturally infected dogs from Grenada, West Indies. <i>Journal of Veterinary Diagnostic Investigation</i> , 2017, 29, 109-114.	1.1	7
49	Protein and DNA synthesis demonstrated in cell-free Ehrlichia chaffeensis organisms in axenic medium. <i>Scientific Reports</i> , 2018, 8, 9293.	3.3	7
50	Development of a Multiplex PCR and Magnetic DNA Capture Assay for Detecting Six Species Pathogens of the Genera Anaplasma and Ehrlichia in Canine, Bovine, Caprine and Ovine Blood Samples from Grenada, West Indies. <i>Pathogens</i> , 2021, 10, 192.	2.8	7
51	Proteome Analysis Revealed Changes in Protein Expression Patterns Caused by Mutations in Ehrlichia chaffeensis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 58.	3.9	6
52	Unexpected winter questing activity of ticks in the Central Midwestern United States. <i>PLoS ONE</i> , 2021, 16, e0259769.	2.5	6
53	The transcriptome of the lone star tick, Amblyomma americanum, reveals molecular changes in response to infection with the pathogen, Ehrlichia chaffeensis. <i>Journal of Asia-Pacific Entomology</i> , 2018, 21, 852-863.	0.9	5
54	Protein and DNA Biosynthesis Demonstrated in Host Cell-Free Phagosomes Containing Anaplasma phagocytophilum or Ehrlichia chaffeensis in Axenic Media. <i>Infection and Immunity</i> , 2021, 89, .	2.2	4

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55	Targeted mutagenesis in <i>Anaplasma marginale</i> to define virulence and vaccine development against bovine anaplasmosis. <i>PLoS Pathogens</i> , 2022, 18, e1010540.	4.7	4
56	Mutations in <i>Ehrlichia chaffeensis</i> Genes ECH_0660 and ECH_0665 Cause Transcriptional Changes in Response to Zinc or Iron Limitation. <i>Journal of Bacteriology</i> , 2021, 203, e0002721.	2.2	3
57	Sequence Determinants Spanning \sim 10 Motif and Spacer Region Implicated in Unique <i>Ehrlichia chaffeensis</i> Sigma 32-Dependent Promoter Activity of <i>dnaK</i> Gene. <i>Frontiers in Microbiology</i> , 2019, 10, 1772.	3.5	2
58	Experimental Infection of North American Sheep with <i>Ehrlichia ruminantium</i> . <i>Pathogens</i> , 2021, 10, 451.	2.8	2
59	Functional Characterization of Multiple <i>Ehrlichia chaffeensis</i> Sodium (Cation)/Proton Antiporter Genes Involved in the Bacterial pH Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8420.	4.1	2
60	Isolation and Molecular Detection of <i>Ehrlichia</i> from Vertebrate Animals. <i>Current Protocols in Microbiology</i> , 2008, 9, Unit 3A.3.	6.5	2
61	Identification of T-Cell Epitopes in the Murine Host Response to <i>Ehrlichia chaffeensis</i> . , 2016, , 197-214.		1
62	Mutagenesis in <i>Ehrlichia</i> and <i>Anaplasma</i> Species: Its Application for Studies Focused on Understanding the Pathogenesis and Vaccine Development. , 2016, , 215-224.		0