

Stephan KÃ-hler

List of Publications by Year in descending order

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65
papers

3,342
citations

159585

30
h-index

149698

56
g-index

67
all docs

67
docs citations

67
times ranked

2464
citing authors

#	ARTICLE	IF	CITATIONS
1	From the discovery of the Malta fever's agent to the discovery of a marine mammal reservoir, brucellosis has continuously been a re-emerging zoonosis. <i>Veterinary Research</i> , 2005, 36, 313-326.	3.0	475
2	<i>Yersinia enterocolitica</i> Impairs Activation of Transcription Factor NF- κ B: Involvement in the Induction of Programmed Cell Death and in the Suppression of the Macrophage Tumor Necrosis Factor α Production. <i>Journal of Experimental Medicine</i> , 1998, 187, 1069-1079.	8.5	237
3	Nonlinear partial differential equations and applications: The analysis of the intramacrophagic virulome of <i>Brucella suis</i> deciphers the environment encountered by the pathogen inside the macrophage host cell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15711-15716.	7.1	231
4	The <i>iap</i> gene of <i>Listeria monocytogenes</i> is essential for cell viability, and its gene product, p60, has bacteriolytic activity. <i>Journal of Bacteriology</i> , 1993, 175, 3491-3501.	2.2	212
5	The sheathed flagellum of <i>Brucella melitensis</i> is involved in persistence in a murine model of infection. <i>Cellular Microbiology</i> , 2005, 7, 687-698.	2.1	132
6	What is the nature of the replicative niche of a stealthy bug named <i>Brucella</i> ?. <i>Trends in Microbiology</i> , 2003, 11, 215-219.	7.7	106
7	Cloning, Characterization, and Inhibition Studies of a $\hat{\Gamma}^2$ -Carbonic Anhydrase from <i>Brucella suis</i> . <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2277-2285.	6.4	104
8	The stringent response mediator Rsh is required for <i>Brucella melitensis</i> and <i>Brucella suis</i> virulence, and for expression of the type IV secretion system virB. <i>Cellular Microbiology</i> , 2006, 8, 1791-1802.	2.1	98
9	<i>Brucella</i> spp. of amphibians comprise genomically diverse motile strains competent for replication in macrophages and survival in mammalian hosts. <i>Scientific Reports</i> , 2017, 7, 44420.	3.3	96
10	Participation of the molecular chaperone DnaK in intracellular growth of <i>Brucella suis</i> within U937-derived phagocytes. <i>Molecular Microbiology</i> , 1996, 20, 701-712.	2.5	95
11	Major Outer Membrane Protein Omp25 of <i>Brucella suis</i> Is Involved in Inhibition of Tumor Necrosis Factor Alpha Production during Infection of Human Macrophages. <i>Infection and Immunity</i> , 2001, 69, 4823-4830.	2.2	95
12	A new $\hat{\Gamma}^2$ -carbonic anhydrase from <i>Brucella suis</i> , its cloning, characterization, and inhibition with sulfonamides and sulfamates, leading to impaired pathogen growth. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1172-1178.	3.0	79
13	The New Species <i>Brucella microti</i> Replicates in Macrophages and Causes Death in Murine Models of Infection. <i>Journal of Infectious Diseases</i> , 2010, 202, 3-10.	4.0	71
14	Gene disruption by plasmid integration in <i>Listeria monocytogenes</i> : Insertional inactivation of the listeriolysin determinant <i>lisA</i> . <i>Molecular Genetics and Genomics</i> , 1991, 228, 177-182.	2.4	69
15	Identification of the <i>nik</i> Gene Cluster of <i>Brucella suis</i> : Regulation and Contribution to Urease Activity. <i>Journal of Bacteriology</i> , 2001, 183, 426-434.	2.2	59
16	Requirement of <i>norD</i> for <i>Brucella suis</i> Virulence in a Murine Model of In Vitro and In Vivo Infection. <i>Infection and Immunity</i> , 2006, 74, 1973-1976.	2.2	56
17	Differentiated U937 cells exhibit increased bactericidal activity upon LPS activation and discriminate between virulent and avirulent <i>Listeria</i> and <i>Brucella</i> species. <i>Journal of Leukocyte Biology</i> , 1994, 56, 174-181.	3.3	55
18	Inhibition studies of a $\hat{\Gamma}^2$ -carbonic anhydrase from <i>Brucella suis</i> with a series of water soluble glycosyl sulfanilamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2178-2182.	2.2	51

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19	The intramacrophagic environment of <i>Brucella suis</i> and bacterial response. <i>Veterinary Microbiology</i> , 2002, 90, 299-309.	1.9	50
20	Quantitative analysis of the intramacrophagic <i>Brucella suis</i> proteome reveals metabolic adaptation to late stage of cellular infection. <i>Proteomics</i> , 2008, 8, 3862-3870.	2.2	50
21	<i>Brucella</i> Carbonic Anhydrases: New Targets for Designing Anti-Infective Agents. <i>Current Pharmaceutical Design</i> , 2010, 16, 3310-3316.	1.9	47
22	pBBR1-GFP: A Broad-Host-Range Vector for Prokaryotic Promoter Studies. <i>BioTechniques</i> , 1999, 26, 620-622.	1.8	46
23	Characterization of <i>Brucella suis</i> <i>clpB</i> and <i>clpAB</i> Mutants and Participation of the Genes in Stress Responses. <i>Journal of Bacteriology</i> , 2001, 183, 2677-2681.	2.2	45
24	Differential Use of the Two High-Oxygen-Affinity Terminal Oxidases of <i>Brucella suis</i> for In Vitro and Intramacrophagic Multiplication. <i>Infection and Immunity</i> , 2005, 73, 7768-7771.	2.2	44
25	Glutamate Decarboxylase-Dependent Acid Resistance in <i>Brucella</i> spp.: Distribution and Contribution to Fitness under Extremely Acidic Conditions. <i>Applied and Environmental Microbiology</i> , 2015, 81, 578-586.	3.1	43
26	Proteomic analysis of <i>Brucella suis</i> under oxygen deficiency reveals flexibility in adaptive expression of various pathways. <i>Proteomics</i> , 2009, 9, 3011-3021.	2.2	39
27	The Glutamic Acid Decarboxylase System of the New Species <i>Brucella microti</i> Contributes to Its Acid Resistance and to Oral Infection of Mice. <i>Journal of Infectious Diseases</i> , 2012, 206, 1424-1432.	4.0	38
28	<i>Brucella suis</i> histidinol dehydrogenase: Synthesis and inhibition studies of a series of substituted benzylic ketones derived from histidine. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4427-4433.	3.0	36
29	Global Rsh-dependent transcription profile of <i>Brucella suis</i> during stringent response unravels adaptation to nutrient starvation and cross-talk with other stress responses. <i>BMC Genomics</i> , 2013, 14, 459.	2.8	36
30	Functional analysis of the ClpATPase ClpA of <i>Brucella suis</i> , and persistence of a knockout mutant in BALB/c mice The GenBank accession number for the sequence reported in this paper is AJ224881.. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1605-1616.	1.8	36
31	<i>Brucella suis</i> carbonic anhydrases and their inhibitors: Towards alternative antibiotics?. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 683-687.	5.2	33
32	Induction of <i>dnaK</i> through Its Native Heat Shock Promoter Is Necessary for Intramacrophagic Replication of <i>Brucella suis</i> . <i>Infection and Immunity</i> , 2002, 70, 1631-1634.	2.2	31
33	Inhibition of beta-carbonic anhydrases from the bacterial pathogen <i>Brucella suis</i> with inorganic anions. <i>Journal of Inorganic Biochemistry</i> , 2012, 110, 36-39.	3.5	29
34	Analysis of the Behavior of <i>eryC</i> Mutants of <i>Brucella suis</i> Attenuated in Macrophages. <i>Infection and Immunity</i> , 2005, 73, 6782-6790.	2.2	28
35	Quantitative analysis of the <i>Brucella suis</i> proteome reveals metabolic adaptation to long-term nutrient starvation. <i>BMC Microbiology</i> , 2013, 13, 199.	3.3	27
36	Hemolysin from <i>Listeria</i> Biochemistry, genetics and function in pathogenesis. <i>Infection</i> , 1988, 16, S149-S156.	4.7	25

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37	Absence of Evidence for the Participation of the Macrophage Cellular Prion Protein in Infection with <i>Brucella suis</i> . <i>Infection and Immunity</i> , 2005, 73, 6229-6236.	2.2	25
38	The virB Operon Is Essential for Lethality of <i>Brucella microti</i> in the Balb/c Murine Model of Infection. <i>Journal of Infectious Diseases</i> , 2011, 203, 1129-1135.	4.0	24
39	RegA, the Regulator of the Two-Component System RegB/RegA of <i>Brucella suis</i> , Is a Controller of Both Oxidative Respiration and Denitrification Required for Chronic Infection in Mice. <i>Infection and Immunity</i> , 2013, 81, 2053-2061.	2.2	24
40	Targeting of the Virulence Factor Acetohydroxyacid Synthase by Sulfonyleureas Results in Inhibition of Intramacrophagic Multiplication of <i>Brucella suis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3922-3925.	3.2	22
41	Targeting of the <i>Brucella suis</i> Virulence Factor Histidinol Dehydrogenase by Histidinol Analogues Results in Inhibition of Intramacrophagic Multiplication of the Pathogen. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3752-3755.	3.2	22
42	Antimicrobials: targeting virulence genes necessary for intracellular multiplication. <i>Trends in Microbiology</i> , 2006, 14, 109-113.	7.7	20
43	Zinc metalloenzymes as new targets against the bacterial pathogen <i>Brucella</i> . <i>Journal of Inorganic Biochemistry</i> , 2012, 111, 138-145.	3.5	20
44	The Glutaminase-Dependent System Confers Extreme Acid Resistance to New Species and Atypical Strains of <i>Brucella</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2236.	3.5	17
45	Anti-virulence Strategy against <i>Brucella suis</i> : Synthesis, Biological Evaluation and Molecular Modeling of Selective Histidinol Dehydrogenase Inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3681.	2.8	16
46	Targeting Bacterial Metalloenzymes: A New Strategy for the Development of Anti-Infective Agents. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2008, 7, 169-179.	0.6	15
47	RegA Plays a Key Role in Oxygen-Dependent Establishment of Persistence and in Isocitrate Lyase Activity, a Critical Determinant of In vivo <i>Brucella suis</i> Pathogenicity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 186.	3.9	15
48	Inhibition of $\hat{1}^2$ -carbonic anhydrases from <i>Brucella suis</i> with C-cinnamoyl glycosides incorporating the phenol moiety. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 1017-1020.	5.2	13
49	The Retrospective on Atypical <i>Brucella</i> Species Leads to Novel Definitions. <i>Microorganisms</i> , 2022, 10, 813.	3.6	12
50	Secretion of Listeriolysin by <i>Brucella suis</i> Inhibits Its Intramacrophagic Replication. <i>Infection and Immunity</i> , 2001, 69, 2753-2756.	2.2	10
51	Lethality of <i>Brucella microti</i> in a murine model of infection depends on the <i>wbkE</i> gene involved in O-polysaccharide synthesis. <i>Virulence</i> , 2019, 10, 868-878.	4.4	10
52	Comparative Genome-Wide Transcriptome Analysis of <i>Brucella suis</i> and <i>Brucella microti</i> Under Acid Stress at pH 4.5: Cold Shock Protein CspA and Dps Are Associated With Acid Resistance of <i>B. microti</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 794535.	3.5	10
53	<i>Brucella suis</i> histidinol dehydrogenase: Synthesis and inhibition studies of substituted N-L-histidinylphenylsulfonil hydrazide. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 357-361.	5.2	9
54	Structural basis for the rational design of new anti- <i>Brucella</i> agents: The crystal structure of the C366S mutant of l-histidinol dehydrogenase from <i>Brucella suis</i> . <i>Biochimie</i> , 2014, 97, 114-120.	2.6	9

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55	N-glycosyl-N-hydroxysulfamides as potent inhibitors of <i>Brucella suis</i> carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 1010-1012.	5.2	6
56	Identification of the virulence components of <i>Listeria monocytogenes</i> by transposon (Tn916) mutagenesis. <i>Annales De L'Institut Pasteur Microbiologie</i> , 1987, 138, 256-258.	0.6	5
57	Studies on the pathogenicity of <i>Listeria monocytogenes</i> . <i>Infection</i> , 1991, 19, S195-S197.	4.7	5
58	<i>Listeria monocytogenes</i> – a Model System for Studying the Pathomechanisms of an Intracellular Microorganism. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1993, 278, 334-347.	0.5	5
59	Complementation of a DnaK-deficient <i>Escherichia coli</i> strain with the dnaK / dnaJ operon of <i>Brucella ovis</i> reduces the rate of initial intracellular killing within the monocytic cell line U937. <i>FEMS Microbiology Letters</i> , 1994, 120, 335-340.	1.8	5
60	Oxo- and thiooxo-imidazo[1,5-c]pyrimidine molecule library: Beyond their interest in inhibition of <i>Brucella suis</i> histidinol dehydrogenase, a powerful protection tool in the synthesis of histidine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5008-5010.	2.2	5
61	The Monocytic Cell Line U-937, Physiologically Differentiated by Retinoic Acid and Vitamin D3, Is a Model for Intracellular Behavior of <i>Brucella</i> spp.. <i>Annals of the New York Academy of Sciences</i> , 1994, 730, 276-278.	3.8	4
62	Synthesis and biological evaluation of a new class of anti-brucella compounds targeting histidinol dehydrogenase: $\hat{\pm}$ -O-arylketones and $\hat{\pm}$ -S-arylketones derived from histidine. <i>MedChemComm</i> , 2011, 2, 995.	3.4	4
63	Identification and Isolation of <i>Brucella suis</i> Virulence Genes Involved in Resistance to the Human Innate Immune System. <i>Infection and Immunity</i> , 2007, 75, 5167-5174.	2.2	3
64	Inhibitors of Histidinol Dehydrogenases as Antibacterial Agents. , 0, , 937-949.		2
65	Inhibitors of Histidinol Dehydrogenase. <i>Topics in Medicinal Chemistry</i> , 2016, , 35-46.	0.8	1