# 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 | The Retrospective on Atypical Brucella Species Leads to Novel Definitions. Microorganisms, 2022, 10, 813. | 3.6 | 12 |
| 2 | Comparative Genome-Wide Transcriptome Analysis of Brucella suis and Brucella microti Under Acid Stress at pH 4.5: Cold Shock Protein CspA and Dps Are Associated With Acid Resistance of B. microti. Frontiers in Microbiology, 2021, 12, 794535. | 3.5 | 10 |
| 3 | Lethality of Brucella microti in a murine model of infection depends on the wbkE gene involved in O-polysaccharide synthesis. Virulence, 2019, 10, 868-878. | 4.4 | 10 |
| 4 | Brucella suis carbonic anhydrases and their inhibitors: Towards alternative antibiotics?. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 683-687. | 5.2 | 33 |
| 5 | Brucella spp. of amphibians comprise genomically diverse motile strains competent for replication in macrophages and survival in mammalian hosts. Scientific Reports, 2017, 7, 44420. | 3.3 | 96 |
| 6 | RegA Plays a Key Role in Oxygen-Dependent Establishment of Persistence and in Isocitrate Lyase Activity, a Critical Determinant of In vivo Brucella suis Pathogenicity. Frontiers in Cellular and Infection Microbiology, 2017, 7, 186. | 3.9 | 15 |
| 7 | The Glutaminase-Dependent System Confers Extreme Acid Resistance to New Species and Atypical Strains of Brucella. Frontiers in Microbiology, 2017, 8, 2236. | 3.5 | 17 |
| 8 | Inhibitors of Histidinol Dehydrogenase. Topics in Medicinal Chemistry, 2016, , 35-46. | 0.8 | 1 |
| 9 | N-glycosyl-N-hydroxysulfamides as potent inhibitors of Brucella suis carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 1010-1012. | 5.2 | 6 |
| 10 | Inhibition of Î²-carbonic anhydrases from Brucella suis with C-cinnamoyl glycosides incorporating the phenol moiety. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 1017-1020. | 5.2 | 13 |
| 11 | Glutamate Decarboxylase-Dependent Acid Resistance in Brucella spp.: Distribution and Contribution to Fitness under Extremely Acidic Conditions. Applied and Environmental Microbiology, 2015, 81, 578-586. | 3.1 | 43 |
| 12 | Structural basis for the rational design of new anti-Brucella agents: The crystal structure of the C366S mutant of l-histidinol dehydrogenase from Brucella suis. Biochimie, 2014, 97, 114-120. | 2.6 | 9 |
| 13 | Oxo- and thiooxo-imidazo[1,5-c]pyrimidine molecule library: Beyond their interest in inhibition of Brucella suis histidinol dehydrogenase, a powerful protection tool in the synthesis of histidine analogues. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5008-5010. | 2.2 | 5 |
| 14 | Global Rsh-dependent transcription profile of Brucella suisduring stringent response unravels adaptation to nutrient starvation and cross-talk with other stress responses. BMC Genomics, 2013, 14, 459. | 2.8 | 36 |
| 15 | Quantitative analysis of the Brucella suis proteome reveals metabolic adaptation to long-term nutrient starvation. BMC Microbiology, 2013, 13, 199. | 3.3 | 27 |
| 16 | RegA, the Regulator of the Two-Component System RegB/RegA of Brucella suis, Is a Controller of Both Oxidative Respiration and Denitrification Required for Chronic Infection in Mice. Infection and Immunity, 2013, 81, 2053-2061. | 2.2 | 24 |
| 17 | The Glutamic Acid Decarboxylase System of the New Species Brucella microti Contributes to Its Acid Resistance and to Oral Infection of Mice. Journal of Infectious Diseases, 2012, 206, 1424-1432. | 4.0 | 38 |
| 18 | Zinc metalloenzymes as new targets against the bacterial pathogen Brucella. Journal of Inorganic Biochemistry, 2012, 111, 138-145. | 3.5 | 20 |

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| 19 | Inhibition of beta-carbonic anhydrases from the bacterial pathogen Brucella suis with inorganic anions. Journal of Inorganic Biochemistry, 2012, 110, 36-39. | 3.5 | 29 |
| 20 | Anti-virulence Strategy against Brucella suis: Synthesis, Biological Evaluation and Molecular Modeling of Selective Histidinol Dehydrogenase Inhibitors. Organic and Biomolecular Chemistry, 2011, 9, 3681. | 2.8 | 16 |
| 21 | Synthesis and biological evaluation of a new class of anti-brucella compounds targeting histidinol dehydrogenase: Î±-O-arylketones and Î±-S-arylketones derived from histidine. MedChemComm, 2011, 2, 995. | 3.4 | 4 |
| 22 | A new Î²-carbonic anhydrase from Brucella suis, its cloning, characterization, and inhibition with sulfonamides and sulfamates, leading to impaired pathogen growth. Bioorganic and Medicinal Chemistry, 2011, 19, 1172-1178. | 3.0 | 79 |
| 23 | The virB Operon Is Essential for Lethality of Brucella microti in the Balb/c Murine Model of Infection. Journal of Infectious Diseases, 2011, 203, 1129-1135. | 4.0 | 24 |
| 24 | Brucella Carbonic Anhydrases: New Targets for Designing Anti-Infective Agents. Current Pharmaceutical Design, 2010, 16, 3310-3316. | 1.9 | 47 |
| 25 | Inhibition studies of a Î²-carbonic anhydrase from Brucella suis with a series of water soluble glycosyl sulfanilamides. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2178-2182. | 2.2 | 51 |
| 26 | The New SpeciesBrucella microtiReplicates in Macrophages and Causes Death in Murine Models of Infection. Journal of Infectious Diseases, 2010, 202, 3-10. | 4.0 | 71 |
| 27 | Cloning, Characterization, and Inhibition Studies of a Î²-Carbonic Anhydrase from Brucella suis. Journal of Medicinal Chemistry, 2010, 53, 2277-2285. | 6.4 | 104 |
| 28 | Proteomic analysis of Brucella suis under oxygen deficiency reveals flexibility in adaptive expression of various pathways. Proteomics, 2009, 9, 3011-3021. | 2.2 | 39 |
| 29 | Quantitative analysis of the intramacrophagic Brucella suis proteome reveals metabolic adaptation to late stage of cellular infection. Proteomics, 2008, 8, 3862-3870. | 2.2 | 50 |
| 30 | Brucella suishistidinol dehydrogenase: Synthesis and inhibition studies of substituted N-L-histidinylphenylsulfonyl hydrazide. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 357-361. | 5.2 | 9 |
| 31 | Targeting Bacterial Metalloenzymes: A New Strategy for the Development of Anti-Infective Agents. Anti-Infective Agents in Medicinal Chemistry, 2008, 7, 169-179. | 0.6 | 15 |
| 32 | Identification and Isolation of Brucella suis Virulence Genes Involved in Resistance to the Human Innate Immune System. Infection and Immunity, 2007, 75, 5167-5174. | 2.2 | 3 |
| 33 | Targeting of the Brucella suis Virulence Factor Histidinol Dehydrogenase by Histidinol Analogues Results in Inhibition of Intramacrophagic Multiplication of the Pathogen. Antimicrobial Agents and Chemotherapy, 2007, 51, 3752-3755. | 3.2 | 22 |
| 34 | Brucella suis histidinol dehydrogenase: Synthesis and inhibition studies of a series of substituted benzylic ketones derived from histidine. Bioorganic and Medicinal Chemistry, 2007, 15, 4427-4433. | 3.0 | 36 |
| 35 | Antimicrobials: targeting virulence genes necessary for intracellular multiplication. Trends in Microbiology, 2006, 14, 109-113. | 7.7 | 20 |
| 36 | The stringent response mediator Rsh is required for Brucella melitensis and Brucella suis virulence, and for expression of the type IV secretion system virB. Cellular Microbiology, 2006, 8, 1791-1802. | 2.1 | 98 |

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|---|---|---|---|
| 37 | Requirement of norD for Brucella suis Virulence in a Murine Model of In Vitro and In Vivo Infection. Infection and Immunity, 2006, 74, 1973-1976. | 2.2 | 56 |
| 38 | The sheathed flagellum of Brucella melitensis is involved in persistence in a murine model of infection. Cellular Microbiology, 2005, 7, 687-698. | 2.1 | 132 |
| 39 | Absence of Evidence for the Participation of the Macrophage Cellular Prion Protein in Infection with Brucella suis. Infection and Immunity, 2005, 73, 6229-6236. | 2.2 | 25 |
| 40 | Differential Use of the Two High-Oxygen-Affinity Terminal Oxidases of Brucella suis for In Vitro and Intramacrophagic Multiplication. Infection and Immunity, 2005, 73, 7768-7771. | 2.2 | 44 |
| 41 | Analysis of the Behavior of eryC Mutants of Brucella suis Attenuated in Macrophages. Infection and Immunity, 2005, 73, 6782-6790. | 2.2 | 28 |
| 42 | Targeting of the Virulence Factor Acetohydroxyacid Synthase by Sulfonylureas Results in Inhibition of Intramacrophagic Multiplication of Brucella suis. Antimicrobial Agents and Chemotherapy, 2005, 49, 3922-3925. | 3.2 | 22 |
| 43 | 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. Veterinary Research, 2005, 36, 313-326. | 3.0 | 475 |
| 44 | What is the nature of the replicative niche of a stealthy bug named Brucella?. Trends in Microbiology, 2003, 11, 215-219. | 7.7 | 106 |
| 45 | Nonlinear partial differential equations and applications: The analysis of the intramacrophagic virulome of Brucella suis deciphers the environment encountered by the pathogen inside the macrophage host cell. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15711-15716. | 7.1 | 231 |
| 46 | Induction of dnaK through Its Native Heat Shock Promoter Is Necessary for Intramacrophagic Replication of Brucella suis. Infection and Immunity, 2002, 70, 1631-1634. | 2.2 | 31 |
| 47 | The intramacrophagic environment of Brucella suis and bacterial response. Veterinary Microbiology, 2002, 90, 299-309. | 1.9 | 50 |
| 48 | Major Outer Membrane Protein Omp25 of Brucella suis Is Involved in Inhibition of Tumor Necrosis Factor Alpha Production during Infection of Human Macrophages. Infection and Immunity, 2001, 69, 4823-4830. | 2.2 | 95 |
| 49 | Characterization of Brucella suis clpB and clpAB Mutants and Participation of the Genes in Stress Responses. Journal of Bacteriology, 2001, 183, 2677-2681. | 2.2 | 45 |
| 50 | Identification of the nik Gene Cluster of Brucella suis : Regulation and Contribution to Urease Activity. Journal of Bacteriology, 2001, 183, 426-434. | 2.2 | 59 |
| 51 | Secretion of Listeriolysin by Brucella suis Inhibits Its Intramacrophagic Replication. Infection and Immunity, 2001, 69, 2753-2756. | 2.2 | 10 |
| 52 | Functional analysis of the ClpATPase ClpA of Brucella suis, and persistence of a knockout mutant in BALB/c mice The GenBank accession number for the sequence reported in this paper is AJ224881.. Microbiology (United Kingdom), 2000, 146, 1605-1616. | 1.8 | 36 |
| 53 | pBBR1-GFP: A Broad-Host-Range Vector for Prokaryotic Promoter Studies. BioTechniques, 1999, 26, 620-622. | 1.8 | 46 |
| 54 | Yersinia enterocolitica Impairs Activation of Transcription Factor NF-Î²B: Involvement in the Induction of Programmed Cell Death and in the Suppression of the Macrophage Tumor Necrosis Factor Î± Production. Journal of Experimental Medicine, 1998, 187, 1069-1079. | 8.5 | 237 |

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| 55 | Participation of the molecular chaperone DnaK in intracellular growth of Brucella suis within U937-derived phagocytes. Molecular Microbiology, 1996, 20, 701-712. | 2.5 | 95 |
| 56 | Differentiated U937 cells exhibit increased bactericidal activity upon LPS activation and discriminate between virulent and avirulent Listeria and Brucella species. Journal of Leukocyte Biology, 1994, 56, 174-181. | 3.3 | 55 |
| 57 | Complementation of a DnaK-deficientEscherichia colistrain with thednaK / dnaJoperon ofBrucella ovisreduces the rate of initial intracellular killing within the monocytic cell line U937. FEMS Microbiology Letters, 1994, 120, 335-340. | 1.8 | 5 |
| 58 | The Monocytic Cell Line U-937, Physiologically Differentiated by Retinoic Acid and Vitamin D3, Is a Model for Intracellular Behavior of Brucella spp.. Annals of the New York Academy of Sciences, 1994, 730, 276-278. | 3.8 | 4 |
| 59 | Listeria monocytogenes â€" a Model System for Studying the Pathomechanisms of an Intracellular Microorganism. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1993, 278, 334-347. | 0.5 | 5 |
| 60 | The iap gene of Listeria monocytogenes is essential for cell viability, and its gene product, p60, has bacteriolytic activity. Journal of Bacteriology, 1993, 175, 3491-3501. | 2.2 | 212 |
| 61 | Studies on the pathogeneicity of Listeria monocytogenes. Infection, 1991, 19, S195-S197. | 4.7 | 5 |
| 62 | Gene disruption by plasmid integration in Listeria monocytogenes: Insertional inactivation of the listeriolysin determinant lisA. Molecular Genetics and Genomics, 1991, 228, 177-182. | 2.4 | 69 |
| 63 | Hemolysin from listeria â€" Biochemistry, genetics and function in pathogenesis. Infection, 1988, 16, S149-S156. | 4.7 | 25 |
| 64 | Identification of the virulence components of Listeria monocytogenes by transposon (Tn916) mutagenesis. Annales De L'Institut Pasteur Microbiologie, 1987, 138, 256-258. | 0.6 | 5 |
| 65 | Inhibitors of Histidinol Dehydrogenases as Antibacterial Agents. , 0, , 937-949. | | 2 |