

John-Demian Sauer

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.

51
papers

2,197
citations

20
h-index

46
g-index

61
ext. papers

2,636
ext. citations

8.4
avg, IF

4.78
L-index

#	Paper	IF	Citations
51	The N-ethyl-N-nitrosourea-induced Goldenticket mouse mutant reveals an essential function of Sting in the in vivo interferon response to <i>Listeria monocytogenes</i> and cyclic dinucleotides. <i>Infection and Immunity</i> , 2011 , 79, 688-94	3.7	392
50	<i>Listeria monocytogenes</i> triggers AIM2-mediated pyroptosis upon infrequent bacteriolysis in the macrophage cytosol. <i>Cell Host and Microbe</i> , 2010 , 7, 412-9	23.4	249
49	The cyclic dinucleotide c-di-AMP is an allosteric regulator of metabolic enzyme function. <i>Cell</i> , 2014 , 158, 1389-1401	56.2	136
48	An HD-domain phosphodiesterase mediates cooperative hydrolysis of c-di-AMP to affect bacterial growth and virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E747-56	11.5	132
47	Cyclic di-AMP is critical for <i>Listeria monocytogenes</i> growth, cell wall homeostasis, and establishment of infection. <i>MBio</i> , 2013 , 4, e00282-13	7.8	130
46	Type I IFN signaling constrains IL-17A/F secretion by $\gamma\delta$ T cells during bacterial infections. <i>Journal of Immunology</i> , 2010 , 184, 3755-67	5.3	117
45	The phagosomal transporter A couples threonine acquisition to differentiation and replication of <i>Legionella pneumophila</i> in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9924-9	11.5	111
44	Differential requirements for NAIP5 in activation of the NLRC4 inflammasome. <i>Infection and Immunity</i> , 2011 , 79, 1606-14	3.7	105
43	<i>Listeria monocytogenes</i> engineered to activate the Nlrc4 inflammasome are severely attenuated and are poor inducers of protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12419-24	11.5	98
42	Broad detection of bacterial type III secretion system and flagellin proteins by the human NAIP/NLRC4 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13242-13247	11.5	81
41	Innate immune pathways triggered by <i>Listeria monocytogenes</i> and their role in the induction of cell-mediated immunity. <i>Advances in Immunology</i> , 2012 , 113, 135-56	5.6	68
40	Specificity of <i>Legionella pneumophila</i> and <i>Coxiella burnetii</i> vacuoles and versatility of <i>Legionella pneumophila</i> revealed by coinfection. <i>Infection and Immunity</i> , 2005 , 73, 4494-504	3.7	55
39	Macrophages mediate flagellin induced inflammasome activation and host defense in zebrafish. <i>Cellular Microbiology</i> , 2016 , 18, 591-604	3.9	50
38	Selective pharmacologic inhibition of a PASTA kinase increases <i>Listeria monocytogenes</i> susceptibility to β -lactam antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4486-94	5.9	42
37	Penicillin Binding Protein 1 Is Important in the Compensatory Response of <i>Staphylococcus aureus</i> to Daptomycin-Induced Membrane Damage and Is a Potential Target for β -Lactam-Daptomycin Synergy. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 451-8	5.9	38
36	The <i>Listeria monocytogenes</i> PASTA Kinase PrkA and Its Substrate Yvck Are Required for Cell Wall Homeostasis, Metabolism, and Virulence. <i>PLoS Pathogens</i> , 2016 , 12, e1006001	7.6	37
35	Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish. <i>ELife</i> , 2019 , 8,	8.9	35

34	Do Shoot the Messenger: PASTA Kinases as Virulence Determinants and Antibiotic Targets. <i>Trends in Microbiology</i> , 2018 , 26, 56-69	12.4	31
33	The phagosomal nutrient transporter (Pht) family. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 42-53	2.9	31
32	A screen for kinase inhibitors identifies antimicrobial imidazopyridine aminofurazans as specific inhibitors of the PASTA kinase PrkA. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17037-17045	5.4	24
31	GW779439X and Its Pyrazolopyridazine Derivatives Inhibit the Serine/Threonine Kinase Stk1 and Act As Antibiotic Adjuvants against β -Lactam-Resistant Staphylococcus aureus. <i>ACS Infectious Diseases</i> , 2018 , 4, 1508-1518	5.5	20
30	Listeria monocytogenes and the Inflammasome: From Cytosolic Bacteriolysis to Tumor Immunotherapy. <i>Current Topics in Microbiology and Immunology</i> , 2016 , 397, 133-60	3.3	17
29	Listeria monocytogenes cytosolic metabolism promotes replication, survival, and evasion of innate immunity. <i>Cellular Microbiology</i> , 2017 , 19, e12762	3.9	16
28	The phtC-phtD locus equips Legionella pneumophila for thymidine salvage and replication in macrophages. <i>Infection and Immunity</i> , 2014 , 82, 720-30	3.7	16
27	Listeria monocytogenes: The Impact of Cell Death on Infection and Immunity. <i>Pathogens</i> , 2018 , 7,	4.5	16
26	A Genetic Screen Reveals that Synthesis of 1,4-Dihydroxy-2-Naphthoate (DHNA), but Not Full-Length Menaquinone, Is Required for Cytosolic Survival. <i>MBio</i> , 2017 , 8,	7.8	15
25	In Silico Screen and Structural Analysis Identifies Bacterial Kinase Inhibitors which Act with β -Lactams To Inhibit Mycobacterial Growth. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5410-5426	5.6	13
24	Metabolism of the Gram-Positive Bacterial Pathogen. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	12
23	Cyclooxygenase-1 and -2 Play Contrasting Roles in α -Stimulated Immunity. <i>Journal of Immunology</i> , 2018 , 200, 3729-3738	5.3	12
22	Listeria monocytogenes-Induced Cell Death Inhibits the Generation of Cell-Mediated Immunity. <i>Infection and Immunity</i> , 2017 , 85,	3.7	12
21	Neutrophil derived LTB4 induces macrophage aggregation in response to encapsulated Streptococcus iniae infection. <i>PLoS ONE</i> , 2017 , 12, e0179574	3.7	11
20	Human Invariant NKT Cells Induce IL-1 β Secretion by Peripheral Blood Monocytes via a P2X7-Independent Pathway. <i>Journal of Immunology</i> , 2016 , 197, 2455-64	5.3	11
19	Heterologous vaccination targeting prostatic acid phosphatase (PAP) using DNA and vaccines elicits superior anti-tumor immunity dependent on CD4+ T cells elicited by DNA priming. <i>Oncolmmunology</i> , 2018 , 7, e1456603	7.2	8
18	The Extracellular Domain of the α 5 β 1 Integrin β Subunit (CD18) Is Sufficient for Escherichia coli Hemolysin and Aggregatibacter actinomycetemcomitans Leukotoxin Cytotoxic Activity. <i>MBio</i> , 2019 , 10,	7.8	8
17	Inflammasome-mediated inhibition of Listeria monocytogenes-stimulated immunity is independent of myelomonocytic function. <i>PLoS ONE</i> , 2013 , 8, e83191	3.7	7

16	Role of respiratory NADH oxidation in the regulation of <i>Staphylococcus aureus</i> virulence. <i>EMBO Reports</i> , 2020 , 21, e45832	6.5	6
15	Carbomer-based adjuvant elicits CD8 T-cell immunity by inducing a distinct metabolic state in cross-presenting dendritic cells. <i>PLoS Pathogens</i> , 2021 , 17, e1009168	7.6	6
14	<i>Listeria monocytogenes</i> MenI Encodes a DHNA-CoA Thioesterase Necessary for Menaquinone Biosynthesis, Cytosolic Survival, and Virulence. <i>Infection and Immunity</i> , 2021 , 89,	3.7	5
13	cancer vaccines: bridging innate and adaptive immunity. <i>Current Clinical Microbiology Reports</i> , 2019 , 6, 213-224	3.1	4
12	Repurposed kinase inhibitors and β -lactams as a novel therapy for antibiotic resistant bacteria		3
11	Mutation of the Transcriptional Regulator YtoI Rescues <i>Listeria monocytogenes</i> Mutants Deficient in the Essential Shared Metabolite 1,4-Dihydroxy-2-Naphthoate (DHNA). <i>Infection and Immunity</i> , 2019 , 88,	3.7	3
10	Endogenous CRISPR-Cas Systems in Group I and Do Not Directly Target the Botulinum Neurotoxin Gene Cluster.. <i>Frontiers in Microbiology</i> , 2021 , 12, 787726	5.7	2
9	Author response: Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish 2019 ,		2
8	PASTA kinase-dependent control of peptidoglycan synthesis via ReoM is required for cell wall stress responses, cytosolic survival, and virulence in <i>Listeria monocytogenes</i> . <i>PLoS Pathogens</i> , 2021 , 17, e1009881	7.6	2
7	In vivo fluorescence lifetime imaging captures metabolic changes in macrophages during wound responses in zebrafish		1
6	Prostaglandin E2 induction by cytosolic <i>Listeria monocytogenes</i> in phagocytes is necessary for optimal T-cell priming		1
5	Metabolism of the Gram-Positive Bacterial Pathogen <i>Listeria monocytogenes</i> 2019 , 864-872		1
4	PASTA kinase-dependent control of peptidoglycan synthesis via ReoM is required for cell wall stress responses, cytosolic survival, and virulence in <i>Listeria monocytogenes</i>		1
3	Phagocytes produce prostaglandin E2 in response to cytosolic <i>Listeria monocytogenes</i> . <i>PLoS Pathogens</i> , 2021 , 17, e1009493	7.6	1
2	In vivo fluorescence lifetime imaging of macrophage intracellular metabolism during wound responses in zebrafish.. <i>ELife</i> , 2022 , 11,	8.9	1
1	The Role of the Phagosomal Transporter (Pht) Family of Proteins in <i>Legionella pneumophila</i> Pathogenesis 288-291		