

John-Demian Sauer

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,925
citations

304743

22
h-index

223800

46
g-index

61
all docs

61
docs citations

61
times ranked

3879
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo fluorescence lifetime imaging of macrophage intracellular metabolism during wound responses in zebrafish. <i>ELife</i> , 2022, 11, .	6.0	19
2	<i>Listeria monocytogenes</i> requires cellular respiration for NAD ⁺ regeneration and pathogenesis. <i>ELife</i> , 2022, 11, .	6.0	16
3	<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, .	2.2	15
4	iNKT cells coordinate immune pathways to enable engraftment in nonconditioned hosts. <i>Life Science Alliance</i> , 2021, 4, e202000999.	2.8	4
5	Phagocytes produce prostaglandin E2 in response to cytosolic <i>Listeria monocytogenes</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009493.	4.7	3
6	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.	4.7	19
7	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.	4.7	22
8	Endogenous CRISPR-Cas Systems in Group I <i>Clostridium botulinum</i> and <i>Clostridium sporogenes</i> Do Not Directly Target the Botulinum Neurotoxin Gene Cluster. <i>Frontiers in Microbiology</i> , 2021, 12, 787726.	3.5	8
9	Role of respiratory NADH oxidation in the regulation of <i>Staphylococcus aureus</i> virulence. <i>EMBO Reports</i> , 2020, 21, e45832.	4.5	16
10	The Extracellular Domain of the \hat{I}^2 Integrin \hat{I}^2 Subunit (CD18) Is Sufficient for <i>Escherichia coli</i> Hemolysin and <i>Aggregatibacter actinomycetemcomitans</i> Leukotoxin Cytotoxic Activity. <i>MBio</i> , 2019, 10, .	4.1	18
11	Metabolism of the Gram-Positive Bacterial Pathogen <i>Listeria monocytogenes</i> . <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	33
12	<i>Listeria monocytogenes</i> Cancer Vaccines: Bridging Innate and Adaptive Immunity. <i>Current Clinical Microbiology Reports</i> , 2019, 6, 213-224.	3.4	14
13	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, .	2.2	9
14	Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish. <i>ELife</i> , 2019, 8, .	6.0	72
15	Cyclooxygenase-1 and -2 Play Contrasting Roles in <i>Listeria</i> -Stimulated Immunity. <i>Journal of Immunology</i> , 2018, 200, 3729-3738.	0.8	15
16	Heterologous vaccination targeting prostatic acid phosphatase (PAP) using DNA and <i>Listeria</i> vaccines elicits superior anti-tumor immunity dependent on CD4 ⁺ T cells elicited by DNA priming. <i>Oncotarget</i> , 2018, 7, e1456603.	4.6	12
17	Do Shoot the Messenger: PASTA Kinases as Virulence Determinants and Antibiotic Targets. <i>Trends in Microbiology</i> , 2018, 26, 56-69.	7.7	47
18	In Silico Screen and Structural Analysis Identifies Bacterial Kinase Inhibitors which Act with \hat{I}^2 -Lactams To Inhibit Mycobacterial Growth. <i>Molecular Pharmaceutics</i> , 2018, 15, 5410-5426.	4.6	22

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19	Listeria monocytogenes: The Impact of Cell Death on Infection and Immunity. Pathogens, 2018, 7, 8.	2.8	27
20	GW779439X and Its Pyrazolopyridazine Derivatives Inhibit the Serine/Threonine Kinase Stk1 and Act As Antibiotic Adjuvants against β -Lactam-Resistant <i>Staphylococcus aureus</i> . ACS Infectious Diseases, 2018, 4, 1508-1518.	3.8	27
21	An immune response with a sweet tooth. Nature, 2018, 561, 37-38.	27.8	0
22	A Genetic Screen Reveals that Synthesis of 1,4-Dihydroxy-2-Naphthoate (DHNA), but Not Full-Length Menaquinone, Is Required for Listeria monocytogenes Cytosolic Survival. MBio, 2017, 8, .	4.1	28
23	A screen for kinase inhibitors identifies antimicrobial imidazopyridine aminofurazans as specific inhibitors of the Listeria monocytogenes PASTA kinase PrkA. Journal of Biological Chemistry, 2017, 292, 17037-17045.	3.4	32
24	Broad detection of bacterial type III secretion system and flagellin proteins by the human NAIP/NLRC4 inflammasome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13242-13247.	7.1	124
25	<i>Listeria monocytogenes</i> cytosolic metabolism promotes replication, survival, and evasion of innate immunity. Cellular Microbiology, 2017, 19, e12762.	2.1	36
26	Listeria monocytogenes-Induced Cell Death Inhibits the Generation of Cell-Mediated Immunity. Infection and Immunity, 2017, 85, .	2.2	20
27	Neutrophil derived LTB4 induces macrophage aggregation in response to encapsulated Streptococcus iniae infection. PLoS ONE, 2017, 12, e0179574.	2.5	17
28	The Listeria monocytogenes PASTA Kinase PrkA and Its Substrate YvcK Are Required for Cell Wall Homeostasis, Metabolism, and Virulence. PLoS Pathogens, 2016, 12, e1006001.	4.7	60
29	Macrophages mediate flagellin induced inflammasome activation and host defense in zebrafish. Cellular Microbiology, 2016, 18, 591-604.	2.1	72
30	Listeria monocytogenes and the Inflammasome: From Cytosolic Bacteriolysis to Tumor Immunotherapy. Current Topics in Microbiology and Immunology, 2016, 397, 133-160.	1.1	22
31	Human Invariant NKT Cells Induce IL-1 β Secretion by Peripheral Blood Monocytes via a P2X7-Independent Pathway. Journal of Immunology, 2016, 197, 2455-2464.	0.8	12
32	Penicillin Binding Protein 1 Is Important in the Compensatory Response of Staphylococcus aureus to Daptomycin-Induced Membrane Damage and Is a Potential Target for β -Lactam-Daptomycin Synergy. Antimicrobial Agents and Chemotherapy, 2016, 60, 451-458.	3.2	45
33	An HD-domain phosphodiesterase mediates cooperative hydrolysis of c-di-AMP to affect bacterial growth and virulence. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E747-56.	7.1	171
34	The <i>phtC-phtD</i> Locus Equips Legionella pneumophila for Thymidine Salvage and Replication in Macrophages. Infection and Immunity, 2014, 82, 720-730.	2.2	18
35	Selective Pharmacologic Inhibition of a PASTA Kinase Increases Listeria monocytogenes Susceptibility to β -Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2014, 58, 4486-4494.	3.2	52
36	The Cyclic Dinucleotide c-di-AMP Is an Allosteric Regulator of Metabolic Enzyme Function. Cell, 2014, 158, 1389-1401.	28.9	174

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37	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.	4.1	166
38	Inflammasome-Mediated Inhibition of <i>Listeria monocytogenes</i> -Stimulated Immunity Is Independent of Myelomonocytic Function. <i>PLoS ONE</i> , 2013, 8, e83191.	2.5	7
39	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, 135-156.	2.2	77
40	Differential Requirements for NAIP5 in Activation of the NLRC4 Inflammasome. <i>Infection and Immunity</i> , 2011, 79, 1606-1614.	2.2	115
41	The <i>N</i> -Ethyl- <i>N</i> -Nitrosourea-Induced <i>Goldenticket</i> Mouse Mutant Reveals an Essential Function of <i>Sting</i> in the <i>In Vivo</i> Interferon Response to <i>Listeria monocytogenes</i> and Cyclic Dinucleotides. <i>Infection and Immunity</i> , 2011, 79, 688-694.	2.2	492
42	<i>Listeria monocytogenes</i> engineered to activate the <i>Nlr4</i> 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, 12419-12424.	7.1	117
43	Type I IFN Signaling Constrains IL-17A/F Secretion by $\hat{I}^3\hat{T}$ T Cells during Bacterial Infections. <i>Journal of Immunology</i> , 2010, 184, 3755-3767.	0.8	134
44	<i>Listeria monocytogenes</i> Triggers AIM2-Mediated Pyroptosis upon Infrequent Bacteriolysis in the Macrophage Cytosol. <i>Cell Host and Microbe</i> , 2010, 7, 412-419.	11.0	286
45	The phagosomal nutrient transporter (Pht) family. <i>Microbiology (United Kingdom)</i> , 2008, 154, 42-53.	1.8	37
46	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, 9924-9929.	7.1	118
47	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, 4494-4504.	2.2	55
48	Metabolism of the Gram-Positive Bacterial Pathogen <i>Listeria monocytogenes</i> . , 0, , 864-872.		3
49	The Role of the Phagosomal Transporter (Pht) Family of Proteins in <i>Legionella pneumophila</i> Pathogenesis. , 0, , 288-291.		0