John-Demian Sauer

List of Publications by Year in Descending Order

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	In vivo fluorescence lifetime imaging of macrophage intracellular metabolism during wound responses in zebrafish.. *ELife*, **2022**, 11,	8.9	1
50	Endogenous CRISPR-Cas Systems in Group I and Do Not Directly Target the Botulinum Neurotoxin Gene Cluster.. *Frontiers in Microbiology*, **2021**, 12, 787726	5.7	2
49	PASTA kinase-dependent control of peptidoglycan synthesis via ReoM is required for cell wall stress responses, cytosolic survival, and virulence in Listeria monocytogenes. *PLoS Pathogens*, **2021**, 17, e1009881	7.6	2
48	Listeria monocytogenes MenI Encodes a DHNA-CoA Thioesterase Necessary for Menaquinone Biosynthesis, Cytosolic Survival, and Virulence. *Infection and Immunity*, **2021**, 89,	3.7	5
47	Phagocytes produce prostaglandin E2 in response to cytosolic Listeria monocytogenes. *PLoS Pathogens*, **2021**, 17, e1009493	7.6	1
46	Carbomer-based adjuvant elicits CD8 T-cell immunity by inducing a distinct metabolic state in cross-presenting dendritic cells. *PLoS Pathogens*, **2021**, 17, e1009168	7.6	6
45	Role of respiratory NADH oxidation in the regulation of Staphylococcus aureus virulence. *EMBO Reports*, **2020**, 21, e45832	6.5	6
44	Metabolism of the Gram-Positive Bacterial Pathogen. *Microbiology Spectrum*, **2019**, 7,	8.9	12
43	The Extracellular Domain of the Integrin Subunit (CD18) Is Sufficient for Escherichia coli Hemolysin and Aggregatibacter actinomycetemcomitans Leukotoxin Cytotoxic Activity. *MBio*, **2019**, 10,	7.8	8
42	Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish. *ELife*, **2019**, 8,	8.9	35
41	Author response: Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish **2019**,		2
40	Metabolism of the Gram-Positive Bacterial Pathogen Listeria monocytogenes **2019**, 864-872		1
39	cancer vaccines: bridging innate and adaptive immunity. *Current Clinical Microbiology Reports*, **2019**, 6, 213-224	3.1	4
38	Mutation of the Transcriptional Regulator YtoI Rescues Listeria monocytogenes Mutants Deficient in the Essential Shared Metabolite 1,4-Dihydroxy-2-Naphthoate (DHNA). *Infection and Immunity*, **2019**, 88,	3.7	3
37	Cyclooxygenase-1 and -2 Play Contrasting Roles in -Stimulated Immunity. *Journal of Immunology*, **2018**, 200, 3729-3738	5.3	12
36	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. *OncoImmunology*, **2018**, 7, e1456603	7.2	8
35	Do Shoot the Messenger: PASTA Kinases as Virulence Determinants and Antibiotic Targets. *Trends in Microbiology*, **2018**, 26, 56-69	12.4	31

34	GW779439X and Its Pyrazolopyridazine Derivatives Inhibit the Serine/Threonine Kinase Stk1 and Act As Antibiotic Adjuvants against β-Lactam-Resistant Staphylococcus aureus. *ACS Infectious Diseases*, **2018**, 4, 1508-1518	5.5	20
33	In Silico Screen and Structural Analysis Identifies Bacterial Kinase Inhibitors which Act with β-Lactams To Inhibit Mycobacterial Growth. *Molecular Pharmaceutics*, **2018**, 15, 5410-5426	5.6	13
32	Listeria monocytogenes: The Impact of Cell Death on Infection and Immunity. *Pathogens*, **2018**, 7,	4.5	16
31	A Genetic Screen Reveals that Synthesis of 1,4-Dihydroxy-2-Naphthoate (DHNA), but Not Full-Length Menaquinone, Is Required for Cytosolic Survival. *MBio*, **2017**, 8,	7.8	15
30	Neutrophil derived LTB4 induces macrophage aggregation in response to encapsulated Streptococcus iniae infection. *PLoS ONE*, **2017**, 12, e0179574	3.7	11
29	A screen for kinase inhibitors identifies antimicrobial imidazopyridine aminofurazans as specific inhibitors of the PASTA kinase PrkA. *Journal of Biological Chemistry*, **2017**, 292, 17037-17045	5.4	24
28	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	11.5	81
27	Listeria monocytogenes cytosolic metabolism promotes replication, survival, and evasion of innate immunity. *Cellular Microbiology*, **2017**, 19, e12762	3.9	16
26	Listeria monocytogenes-Induced Cell Death Inhibits the Generation of Cell-Mediated Immunity. *Infection and Immunity*, **2017**, 85,	3.7	12
25	Human Invariant NKT Cells Induce IL-1β Secretion by Peripheral Blood Monocytes via a P2X7-Independent Pathway. *Journal of Immunology*, **2016**, 197, 2455-64	5.3	11
24	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, 451-8	5.9	38
23	The Listeria monocytogenes PASTA Kinase PrkA and Its Substrate YvcK Are Required for Cell Wall Homeostasis, Metabolism, and Virulence. *PLoS Pathogens*, **2016**, 12, e1006001	7.6	37
22	Macrophages mediate flagellin induced inflammasome activation and host defense in zebrafish. *Cellular Microbiology*, **2016**, 18, 591-604	3.9	50
21	Listeria monocytogenes and the Inflammasome: From Cytosolic Bacteriolysis to Tumor Immunotherapy. *Current Topics in Microbiology and Immunology*, **2016**, 397, 133-60	3.3	17
20	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	11.5	132
19	The cyclic dinucleotide c-di-AMP is an allosteric regulator of metabolic enzyme function. *Cell*, **2014**, 158, 1389-1401	56.2	136
18	The phtC-phtD locus equips Legionella pneumophila for thymidine salvage and replication in macrophages. *Infection and Immunity*, **2014**, 82, 720-30	3.7	16
17	Selective pharmacologic inhibition of a PASTA kinase increases Listeria monocytogenes susceptibility to β-lactam antibiotics. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 4486-94	5.9	42

16	Cyclic di-AMP is critical for Listeria monocytogenes growth, cell wall homeostasis, and establishment of infection. *MBio*, **2013**, 4, e00282-13	7.8	130
15	Inflammasome-mediated inhibition of Listeria monocytogenes-stimulated immunity is independent of myelomonocytic function. *PLoS ONE*, **2013**, 8, e83191	3.7	7
14	Innate immune pathways triggered by Listeria monocytogenes and their role in the induction of cell-mediated immunity. *Advances in Immunology*, **2012**, 113, 135-56	5.6	68
13	Differential requirements for NAIP5 in activation of the NLRC4 inflammasome. *Infection and Immunity*, **2011**, 79, 1606-14	3.7	105
12	The N-ethyl-N-nitrosourea-induced Goldenticket mouse mutant reveals an essential function of Sting in the in vivo interferon response to Listeria monocytogenes and cyclic dinucleotides. *Infection and Immunity*, **2011**, 79, 688-94	3.7	392
11	Listeria monocytogenes engineered to activate the Nlrc4 inflammasome are severely attenuated and are poor inducers of protective immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 12419-24	11.5	98
10	Type I IFN signaling constrains IL-17A/F secretion by gammadelta T cells during bacterial infections. *Journal of Immunology*, **2010**, 184, 3755-67	5.3	117
9	Listeria monocytogenes triggers AIM2-mediated pyroptosis upon infrequent bacteriolysis in the macrophage cytosol. *Cell Host and Microbe*, **2010**, 7, 412-9	23.4	249
8	The phagosomal nutrient transporter (Pht) family. *Microbiology (United Kingdom)*, **2008**, 154, 42-53	2.9	31
7	The phagosomal transporter A couples threonine acquisition to differentiation and replication of Legionella pneumophila in macrophages. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 9924-9	11.5	111
6	Specificity of Legionella pneumophila and Coxiella burnetii vacuoles and versatility of Legionella pneumophila revealed by coinfection. *Infection and Immunity*, **2005**, 73, 4494-504	3.7	55
5	Repurposed kinase inhibitors and □lactams as a novel therapy for antibiotic resistant bacteria		3
4	In vivofluorescence lifetime imaging captures metabolic changes in macrophages during wound responses in zebrafish		1
3	The Role of the Phagosomal Transporter (Pht) Family of Proteins in Legionella pneumophila Pathogenesis	288-291	
2	Prostaglandin E2 induction by cytosolic Listeria monocytogenes in phagocytes is necessary for optimal T-cell priming		1
1	PASTA kinase-dependent control of peptidoglycan synthesis via ReoM is required for cell wall stress responses, cytosolic survival, and virulence in Listeria monocytogenes		1