

Renã©e M Tsolis

List of Publications by Year in descending order

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101
papers

11,411
citations

31976

53
h-index

34986

98
g-index

101
all docs

101
docs citations

101
times ranked

12109
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut inflammation provides a respiratory electron acceptor for Salmonella. <i>Nature</i> , 2010, 467, 426-429.	27.8	1,036
2	Host-Derived Nitrate Boosts Growth of <i>E. coli</i> in the Inflamed Gut. <i>Science</i> , 2013, 339, 708-711.	12.6	798
3	Microbiota-activated PPAR- β signaling inhibits dysbiotic Enterobacteriaceae expansion. <i>Science</i> , 2017, 357, 570-575.	12.6	796
4	Intestinal inflammation allows <i>Salmonella</i> to use ethanolamine to compete with the microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17480-17485.	7.1	551
5	Lipocalin-2 Resistance Confers an Advantage to <i>Salmonella enterica</i> Serotype Typhimurium for Growth and Survival in the Inflamed Intestine. <i>Cell Host and Microbe</i> , 2009, 5, 476-486.	11.0	444
6	Critical function for Naip5 in inflammasome activation by a conserved carboxy-terminal domain of flagellin. <i>Nature Immunology</i> , 2008, 9, 1171-1178.	14.5	428
7	Dysbiotic Proteobacteria expansion: a microbial signature of epithelial dysfunction. <i>Current Opinion in Microbiology</i> , 2017, 39, 1-6.	5.1	420
8	NOD1 and NOD2 signalling links ER stress with inflammation. <i>Nature</i> , 2016, 532, 394-397.	27.8	396
9	The <i>Salmonella enterica</i> Serotype Typhimurium Effector Proteins SipA, SopA, SopB, SopD, and SopE2 Act in Concert To Induce Diarrhea in Calves. <i>Infection and Immunity</i> , 2002, 70, 3843-3855.	2.2	249
10	Interactions of the Human Pathogenic <i>Brucella</i> Species with Their Hosts. <i>Annual Review of Microbiology</i> , 2011, 65, 523-541.	7.3	235
11	Manipulation of small Rho GTPases is a pathogen-induced process detected by NOD1. <i>Nature</i> , 2013, 496, 233-237.	27.8	210
12	Bacteria, the endoplasmic reticulum and the unfolded protein response: friends or foes?. <i>Nature Reviews Microbiology</i> , 2015, 13, 71-82.	28.6	209
13	Phage-Mediated Acquisition of a Type III Secreted Effector Protein Boosts Growth of <i>Salmonella</i> by Nitrate Respiration. <i>MBio</i> , 2012, 3, .	4.1	194
14	Identification of VceA and VceC, two members of the VjbR regulon that are translocated into macrophages by the <i>Brucella</i> type IV secretion system. <i>Molecular Microbiology</i> , 2008, 70, 1378-1396.	2.5	181
15	Streptomycin-Induced Inflammation Enhances <i>Escherichia coli</i> Gut Colonization Through Nitrate Respiration. <i>MBio</i> , 2013, 4, .	4.1	176
16	Life in the inflamed intestine, <i>Salmonella</i> style. <i>Trends in Microbiology</i> , 2009, 17, 498-506.	7.7	172
17	The <i>Salmonella enterica</i> Serotype Typhimurium <i>lpf</i> , <i>bcf</i> , <i>stb</i> , <i>stc</i> , <i>std</i> , and <i>sth</i> Fimbrial Operons Are Required for Intestinal Persistence in Mice. <i>Infection and Immunity</i> , 2005, 73, 3358-3366.	2.2	169
18	Commensal Enterobacteriaceae Protect against <i>Salmonella</i> Colonization through Oxygen Competition. <i>Cell Host and Microbe</i> , 2019, 25, 128-139.e5.	11.0	159

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19	Identification of a new iron regulated locus of <i>Salmonella typhi</i> . <i>Gene</i> , 1996, 183, 207-213.	2.2	154
20	Virulence factors enhance <i>Citrobacter rodentium</i> expansion through aerobic respiration. <i>Science</i> , 2016, 353, 1249-1253.	12.6	150
21	Injection of Flagellin into the Host Cell Cytosol by <i>Salmonella enterica</i> Serotype Typhimurium. <i>Journal of Biological Chemistry</i> , 2007, 282, 33897-33901.	3.4	145
22	PPAR β -Mediated Increase in Glucose Availability Sustains Chronic <i>Brucella abortus</i> Infection in Alternatively Activated Macrophages. <i>Cell Host and Microbe</i> , 2013, 14, 159-170.	11.0	145
23	<i>Salmonella</i> Uses Energy Taxits to Benefit from Intestinal Inflammation. <i>PLoS Pathogens</i> , 2013, 9, e1003267.	4.7	139
24	Now you see me, now you don't: the interaction of <i>Salmonella</i> with innate immune receptors. <i>Nature Reviews Microbiology</i> , 2015, 13, 206-216.	28.6	135
25	From bench to bedside: stealth of enteroinvasive pathogens. <i>Nature Reviews Microbiology</i> , 2008, 6, 883-892.	28.6	132
26	Host-mediated sugar oxidation promotes post-antibiotic pathogen expansion. <i>Nature</i> , 2016, 534, 697-699.	27.8	132
27	The microbiome and gut homeostasis. <i>Science</i> , 2022, 377, .	12.6	127
28	How To Become a Top Model: Impact of Animal Experimentation on Human <i>Salmonella</i> Disease Research. <i>Infection and Immunity</i> , 2011, 79, 1806-1814.	2.2	121
29	<i>Brucella</i> spp. Virulence Factors and Immunity. <i>Annual Review of Animal Biosciences</i> , 2016, 4, 111-127.	7.4	120
30	<i>Brucella</i> requires a functional Type IV secretion system to elicit innate immune responses in mice. <i>Cellular Microbiology</i> , 2007, 9, 1851-1869.	2.1	118
31	Sensing of Bacterial Type IV Secretion via the Unfolded Protein Response. <i>MBio</i> , 2013, 4, e00418-12.	4.1	112
32	Genome Degradation in <i>Brucella ovis</i> Corresponds with Narrowing of Its Host Range and Tissue Tropism. <i>PLoS ONE</i> , 2009, 4, e5519.	2.5	110
33	NOD1 and NOD2: Beyond Peptidoglycan Sensing. <i>Trends in Immunology</i> , 2017, 38, 758-767.	6.8	103
34	CD4+ T Cell-derived IL-10 Promotes <i>Brucella abortus</i> Persistence via Modulation of Macrophage Function. <i>PLoS Pathogens</i> , 2013, 9, e1003454.	4.7	91
35	<i>Salmonella</i> versus the Microbiome. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, .	6.6	88
36	Differential Requirements for VirB1 and VirB2 during <i>Brucella abortus</i> Infection. <i>Infection and Immunity</i> , 2004, 72, 5143-5149.	2.2	87

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37	Establishment of Systemic <i>Brucella melitensis</i> Infection through the Digestive Tract Requires Urease, the Type IV Secretion System, and Lipopolysaccharide O Antigen. <i>Infection and Immunity</i> , 2009, 77, 4197-4208.	2.2	84
38	Laboratory Animal Models for Brucellosis Research. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9.	3.0	83
39	Identification of a common immune signature in murine and human systemic Salmonellosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4998-5003.	7.1	83
40	Pseudogenization of the Secreted Effector Gene <i>ssel</i> Confers Rapid Systemic Dissemination of <i>S. Typhimurium</i> ST313 within Migratory Dendritic Cells. <i>Cell Host and Microbe</i> , 2017, 21, 182-194.	11.0	80
41	Microbial Amyloids Induce Interleukin 17A (IL-17A) and IL-22 Responses via Toll-Like Receptor 2 Activation in the Intestinal Mucosa. <i>Infection and Immunity</i> , 2012, 80, 4398-4408.	2.2	76
42	VirB3 to VirB6 and VirB8 to VirB11, but Not VirB7, Are Essential for Mediating Persistence of <i>Brucella</i> in the Reticuloendothelial System. <i>Journal of Bacteriology</i> , 2008, 190, 4427-4436.	2.2	75
43	Malaria Parasite Infection Compromises Control of Concurrent Systemic Non-typhoidal Salmonella Infection via IL-10-Mediated Alteration of Myeloid Cell Function. <i>PLoS Pathogens</i> , 2014, 10, e1004049.	4.7	75
44	Both Hemolytic Anemia and Malaria Parasite-Specific Factors Increase Susceptibility to Nontyphoidal <i>Salmonella enterica</i> Serovar Typhimurium Infection in Mice. <i>Infection and Immunity</i> , 2010, 78, 1520-1527.	2.2	72
45	Malaria-Associated Arginine Deficiency Induces Mast Cell-Associated Disruption to Intestinal Barrier Defenses against Nontyphoidal Salmonella Bacteremia. <i>Infection and Immunity</i> , 2013, 81, 3515-3526.	2.2	69
46	Loss of Multicellular Behavior in Epidemic African Nontyphoidal <i>Salmonella enterica</i> Serovar Typhimurium ST313 Strain D23580. <i>MBio</i> , 2016, 7, e02265.	4.1	67
47	Inflammation-associated alterations to the intestinal microbiota reduce colonization resistance against non-typhoidal Salmonella during concurrent malaria parasite infection. <i>Scientific Reports</i> , 2015, 5, 14603.	3.3	65
48	Brucellosis and type IV secretion. <i>Future Microbiology</i> , 2012, 7, 47-58.	2.0	62
49	Pathogenesis of <i>Brucella</i> spp.. <i>The Open Veterinary Science Journal</i> , 2010, 4, 109-118.	0.7	62
50	<i>Salmonella</i> Virulence Factor Activates the NOD1/NOD2 Signaling Pathway. <i>MBio</i> , 2011, 2, .	4.1	59
51	Very Long O-antigen Chains Enhance Fitness during Salmonella-induced Colitis by Increasing Bile Resistance. <i>PLoS Pathogens</i> , 2012, 8, e1002918.	4.7	57
52	Mice Lacking Components of Adaptive Immunity Show Increased <i>Brucella abortus</i> virB Mutant Colonization. <i>Infection and Immunity</i> , 2007, 75, 2965-2973.	2.2	56
53	5-Aminosalicylic Acid Ameliorates Colitis and Checks Dysbiotic <i>Escherichia coli</i> Expansion by Activating PPAR- β Signaling in the Intestinal Epithelium. <i>MBio</i> , 2021, 12, .	4.1	56
54	Modulation of the Bovine Trophoblastic Innate Immune Response by <i>Brucella abortus</i> . <i>Infection and Immunity</i> , 2008, 76, 1897-1907.	2.2	55

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55	The small protein CydX is required for function of cytochrome bd oxidase in <i>Brucella abortus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2012, 2, 47.	3.9	51
56	Evaluation of novel <i>Brucella melitensis</i> unmarked deletion mutants for safety and efficacy in the goat model of brucellosis. <i>Vaccine</i> , 2006, 24, 5169-5177.	3.8	50
57	Salmonellosis in cattle: Advantages of being an experimental model. <i>Research in Veterinary Science</i> , 2012, 93, 1-6.	1.9	50
58	Energy Taxis toward Host-Derived Nitrate Supports a <i>Salmonella</i> Pathogenicity Island 1-Independent Mechanism of Invasion. <i>MBio</i> , 2016, 7, .	4.1	47
59	Inactivation of the Type IV Secretion System Reduces the Th1 Polarization of the Immune Response to <i>Brucella abortus</i> Infection. <i>Infection and Immunity</i> , 2008, 76, 3207-3213.	2.2	46
60	Putative ATP-Binding Cassette Transporter Is Essential for <i>Brucella ovis</i> Pathogenesis in Mice. <i>Infection and Immunity</i> , 2011, 79, 1706-1717.	2.2	43
61	Colonization resistance: The deconvolution of a complex trait. <i>Journal of Biological Chemistry</i> , 2017, 292, 8577-8581.	3.4	42
62	virB-Mediated Survival of <i>Brucella abortus</i> in Mice and Macrophages Is Independent of a Functional Inducible Nitric Oxide Synthase or NADPH Oxidase in Macrophages. <i>Infection and Immunity</i> , 2002, 70, 4826-4832.	2.2	40
63	Early MyD88-Dependent Induction of Interleukin-17A Expression during <i>Salmonella</i> Colitis. <i>Infection and Immunity</i> , 2011, 79, 3131-3140.	2.2	40
64	Disseminated infections with antibiotic-resistant non-typhoidal <i>Salmonella</i> strains: contributions of host and pathogen factors. <i>Pathogens and Disease</i> , 2016, 74, ftw103.	2.0	40
65	Innate immune recognition of flagellin limits systemic persistence of <i>B. melitensis</i> . <i>Cellular Microbiology</i> , 2013, 15, 942-960.	2.1	38
66	Development and evaluation of a species-specific PCR assay for the detection of <i>Brucella ovis</i> infection in rams. <i>Veterinary Microbiology</i> , 2010, 145, 158-164.	1.9	36
67	The Flagellar Regulator TviA Reduces Pyroptosis by <i>Salmonella enterica</i> Serovar Typhi. <i>Infection and Immunity</i> , 2015, 83, 1546-1555.	2.2	36
68	Mast cells and histamine alter intestinal permeability during malaria parasite infection. <i>Immunobiology</i> , 2016, 221, 468-474.	1.9	36
69	<i>Brucella abortus</i> VirB12 Is Expressed during Infection but Is Not an Essential Component of the Type IV Secretion System. <i>Infection and Immunity</i> , 2005, 73, 6048-6054.	2.2	34
70	Natural Antibody Contributes to Host Defense against an Attenuated <i>Brucella abortus</i> virB Mutant. <i>Infection and Immunity</i> , 2009, 77, 3004-3013.	2.2	32
71	VirB12 Is a Serological Marker of <i>Brucella</i> Infection in Experimental and Natural Hosts. <i>Vaccine Journal</i> , 2008, 15, 208-214.	3.1	29
72	The virB-encoded type IV secretion system is critical for establishment of infection and persistence of <i>Brucella ovis</i> infection in mice. <i>Veterinary Microbiology</i> , 2012, 159, 130-140.	1.9	28

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73	Chronic Bacterial Pathogens: Mechanisms of Persistence. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	28
74	How bacterial pathogens use type III and type IV secretion systems to facilitate their transmission. <i>Current Opinion in Microbiology</i> , 2017, 35, 1-7.	5.1	27
75	<i>Brucella abortus</i> Infection of Placental Trophoblasts Triggers Endoplasmic Reticulum Stress-Mediated Cell Death and Fetal Loss via Type IV Secretion System-Dependent Activation of CHOP. <i>MBio</i> , 2019, 10, .	4.1	27
76	Gastrointestinal host-pathogen interaction in the age of microbiome research. <i>Current Opinion in Microbiology</i> , 2020, 53, 78-89.	5.1	27
77	Iron acquisition pathways and colonization of the inflamed intestine by <i>Salmonella enterica</i> serovar Typhimurium. <i>International Journal of Medical Microbiology</i> , 2016, 306, 604-610.	3.6	26
78	Malaria Parasite-Mediated Alteration of Macrophage Function and Increased Iron Availability Predispose to Disseminated Nontyphoidal <i>Salmonella</i> Infection. <i>Infection and Immunity</i> , 2018, 86, .	2.2	26
79	Microreview: Innate immune encounters of the (Type) 4th kind: <i>Brucella</i> . <i>Cellular Microbiology</i> , 2010, 12, 1195-1202.	2.1	24
80	T cell expression of IL-18R and DR3 is essential for non-cognate stimulation of Th1 cells and optimal clearance of intracellular bacteria. <i>PLoS Pathogens</i> , 2017, 13, e1006566.	4.7	24
81	A Protein-Conjugate Approach to Develop a Monoclonal Antibody-Based Antigen Detection Test for the Diagnosis of Human Brucellosis. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2926.	3.0	22
82	Transient Loss of Protection Afforded by a Live Attenuated Non-typhoidal <i>Salmonella</i> Vaccine in Mice Co-infected with Malaria. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004027.	3.0	21
83	Type IV Effector Secretion and Subversion of Host Functions by <i>Bartonella</i> and <i>Brucella</i> Species. <i>Current Topics in Microbiology and Immunology</i> , 2017, 413, 269-295.	1.1	20
84	NOD1 and NOD2: New Functions Linking Endoplasmic Reticulum Stress and Inflammation. <i>DNA and Cell Biology</i> , 2016, 35, 311-313.	1.9	18
85	The Predicted ABC Transporter AbcEDCBA Is Required for Type IV Secretion System Expression and Lysosomal Evasion by <i>Brucella ovis</i> . <i>PLoS ONE</i> , 2014, 9, e114532.	2.5	18
86	Virulence factors perforate the pathogen-containing vacuole to signal efferocytosis. <i>Cell Host and Microbe</i> , 2022, 30, 163-170.e6.	11.0	16
87	Phospholipase A1 Modulates the Cell Envelope Phospholipid Content of <i>Brucella melitensis</i> , Contributing to Polymyxin Resistance and Pathogenicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6717-6724.	3.2	15
88	Utilization of Host Polyamines in Alternatively Activated Macrophages Promotes Chronic Infection by <i>Brucella abortus</i> . <i>Infection and Immunity</i> , 2018, 86, .	2.2	14
89	Early Transcriptional Responses of Bovine Chorioallantoic Membrane Explants to Wild Type, Δ virB2 or Δ btbB <i>Brucella abortus</i> Infection. <i>PLoS ONE</i> , 2014, 9, e108606.	2.5	12
90	LysMD3 is a type II membrane protein without an role in the response to a range of pathogens. <i>Journal of Biological Chemistry</i> , 2018, 293, 6022-6038.	3.4	11

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91	Hostile Takeover: Hijacking of Endoplasmic Reticulum Function by T4SS and T3SS Effectors Creates a Niche for Intracellular Pathogens. <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	10
92	NOD1/NOD2 and RIP2 Regulate Endoplasmic Reticulum Stress-Induced Inflammation during <i>Chlamydia</i> Infection. <i>MBio</i> , 2020, 11, .	4.1	9
93	Malaria parasite infection compromises colonization resistance to an enteric pathogen by reducing gastric acidity. <i>Science Advances</i> , 2021, 7, .	10.3	7
94	Tumor Necrosis Factor Alpha Contributes to Inflammatory Pathology in the Placenta during <i>Brucella abortus</i> Infection. <i>Infection and Immunity</i> , 2022, 90, iai0001322.	2.2	7
95	<i>Brucella</i> . , 2009, , 1-64.		5
96	Hypoferremia of infection: a double-edged sword?. <i>Nature Medicine</i> , 2014, 20, 335-337.	30.7	5
97	Vitamin A supplementation boosts control of antibiotic-resistant <i>Salmonella</i> infection in malnourished mice. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008737.	3.0	3
98	Is <i>Brucella</i> an enteric pathogen? Reply from Tsolis, Solnick and Bañerjee. <i>Nature Reviews Microbiology</i> , 2009, 7, 250-250.	28.6	1
99	Editorial overview: Host-microbe interactions: Bacteria. <i>Current Opinion in Microbiology</i> , 2017, 35, v-viii.	5.1	1
100	Hostile Takeover: Hijacking of Endoplasmic Reticulum Function by T4SS and T3SS Effectors Creates a Niche for Intracellular Pathogens. , 0, , 291-305.		1
101	Chronic Bacterial Pathogens: Mechanisms of Persistence. , 0, , 513-528.		0