Thomas A Russo

List of Publications by Citations

46 papers	3,158 citations	25 h-index	49 g-index
49 ext. papers	4,198 ext. citations	5.5 avg, IF	5.77 L-index

#	Paper	IF	Citations
46	Hypervirulent (hypermucoviscous) Klebsiella pneumoniae: a new and dangerous breed. *Virulence*, **2013**, 4, 107-18	4.7	554
45	Medical and economic impact of extraintestinal infections due to Escherichia coli: focus on an increasingly important endemic problem. *Microbes and Infection*, **2003**, 5, 449-56	9.3	526
44	Hypervirulent Klebsiella pneumoniae. *Clinical Microbiology Reviews*, **2019**, 32,	34	226
43	The K1 capsular polysaccharide of Acinetobacter baumannii strain 307-0294 is a major virulence factor. *Infection and Immunity*, **2010**, 78, 3993-4000	3.7	205
42	Identification of Biomarkers for Differentiation of Hypervirulent Klebsiella pneumoniae from Classical K. pneumoniae. *Journal of Clinical Microbiology*, **2018**, 56,	9.7	170
41	Aerobactin mediates virulence and accounts for increased siderophore production under iron-limiting conditions by hypervirulent (hypermucoviscous) Klebsiella pneumoniae. *Infection and Immunity*, **2014**, 82, 2356-67	3.7	129
40	Aerobactin, but not yersiniabactin, salmochelin, or enterobactin, enables the growth/survival of hypervirulent (hypermucoviscous) Klebsiella pneumoniae ex vivo and in vivo. *Infection and Immunity* , **2015**, 83, 3325-33	3.7	124
39	Active and passive immunization protects against lethal, extreme drug resistant-Acinetobacter baumannii infection. *PLoS ONE*, **2012**, 7, e29446	3.7	106
38	IroN functions as a siderophore receptor and is a urovirulence factor in an extraintestinal pathogenic isolate of Escherichia coli. *Infection and Immunity*, **2002**, 70, 7156-60	3.7	105
37	The K1 capsular polysaccharide from Acinetobacter baumannii is a potential therapeutic target via passive immunization. *Infection and Immunity*, **2013**, 81, 915-22	3.7	97
36	Hypervirulent K. pneumoniae secretes more and more active iron-acquisition molecules than "classical" K. pneumoniae thereby enhancing its virulence. *PLoS ONE*, **2011**, 6, e26734	3.7	72
35	Identification of two previously unrecognized genes (guaA and argC) important for uropathogenesis. *Molecular Microbiology*, **1996**, 22, 217-29	4.1	72
34	Penicillin-binding protein 7/8 contributes to the survival of Acinetobacter baumannii in vitro and in vivo. *Journal of Infectious Diseases*, **2009**, 199, 513-21	7	68
33	E. coli virulence factor hemolysin induces neutrophil apoptosis and necrosis/lysis in vitro and necrosis/lysis and lung injury in a rat pneumonia model. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 289, L207-16	5.8	56
32	Rat pneumonia and soft-tissue infection models for the study of Acinetobacter baumannii biology. *Infection and Immunity*, **2008**, 76, 3577-86	3.7	52
31	The Response Regulator BfmR Is a Potential Drug Target for Acinetobacter baumannii. *MSphere*, **2016**, 1,	5	45
30	Monoclonal Antibody Protects Against Acinetobacter baumannii Infection by Enhancing Bacterial Clearance and Evading Sepsis. *Journal of Infectious Diseases*, **2017**, 216, 489-501	7	38

29	Hypervirulent Klebsiella pneumoniae. *Open Forum Infectious Diseases*, **2014**, 1, ofu028	1	36
28	Total extracellular surfactant is increased but abnormal in a rat model of gram-negative bacterial pneumonia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2002**, 283, L655-63	5.8	31
27	Molecular Epidemiology of Extraintestinal Pathogenic. *EcoSal Plus*, **2018**, 8,	7.7	27
26	The Capsular Polysaccharide of Acinetobacter baumannii Is an Obstacle for Therapeutic Passive Immunization Strategies. *Infection and Immunity*, **2017**, 85,	3.7	26
25	Metabolite Transporter PEG344 Is Required for Full Virulence of Hypervirulent Klebsiella pneumoniae Strain hvKP1 after Pulmonary but Not Subcutaneous Challenge. *Infection and Immunity*, **2017**, 85,	3.7	26
24	Extraintestinal isolates of Escherichia coli: identification and prospects for vaccine development. *Expert Review of Vaccines*, **2006**, 5, 45-54	5.2	25
23	The Galleria mellonella Infection Model Does Not Accurately Differentiate between Hypervirulent and Classical Klebsiella pneumoniae. *MSphere*, **2020**, 5,	5	23
22	Extraintestinal pathogenic Escherichia coli survives within neutrophils. *Infection and Immunity*, **2007** , 75, 2776-85	3.7	22
21	A killed, genetically engineered derivative of a wild-type extraintestinal pathogenic E. coli strain is a vaccine candidate. *Vaccine*, **2007**, 25, 3859-70	4.1	22
20	Getting hypervirulent Klebsiella pneumoniae on the radar screen. *Current Opinion in Infectious Diseases*, **2018**, 31, 341-346	5.4	21
19	Polymyxin B in Combination with Rifampin and Meropenem against Polymyxin B-Resistant KPC-Producing Klebsiella pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	21
18	Draft Genome Sequence of the Hypervirulent Klebsiella pneumoniae Strain hvKP1, Isolated in Buffalo, New York. *Genome Announcements*, **2013**, 1, e0006513		17
17	Capsule carbohydrate structure determines virulence in Acinetobacter baumannii. *PLoS Pathogens*, **2021**, 17, e1009291	7.6	16
16	Hypervirulent is emerging as an increasingly prevalent pathotype responsible for nosocomial and healthcare-associated infections in Beijing, China. *Virulence*, **2020**, 11, 1215-1224	4.7	15
15	Capsular polysaccharide and the O-specific antigen impede antibody binding: a potential obstacle for the successful development of an extraintestinal pathogenic Escherichia coli vaccine. *Vaccine*, **2009**, 27, 388-95	4.1	11
14	Human neutrophil chemotaxis is modulated by capsule and O antigen from an extraintestinal pathogenic Escherichia coli strain. *Infection and Immunity*, **2003**, 71, 6435-45	3.7	11
13	Aerobactin Synthesis Proteins as Antivirulence Targets in Hypervirulent. *ACS Infectious Diseases*, **2019**, 5, 1052-1054	5.5	9
12	Fact versus Fiction: a Review of the Evidence behind Alcohol and Antibiotic Interactions. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	9

11	Crystal structure of 5-enolpyruvylshikimate-3-phosphate (EPSP) synthase from the ESKAPE pathogen Acinetobacter baumannii. *Acta Crystallographica Section F, Structural Biology Communications*, **2016**, 72, 179-87	1.1	8
10	Antibody Dependent Enhancement of Infection in a Mouse Pneumonia Model. *Journal of Pharmacology and Experimental Therapeutics*, **2019**, 368, 475-489	4.7	7
9	An Assessment of Siderophore Production, Mucoviscosity, and Mouse Infection Models for Defining the Virulence Spectrum of Hypervirulent Klebsiella pneumoniae. *MSphere*, **2021**, 6,	5	7
8	Important Complexities of the Antivirulence Target Paradigm: A Novel Ostensibly Resistance-Avoiding Approach for Treating Infections. *Journal of Infectious Diseases*, **2016**, 213, 901-3	7	6
7	Anatomy of an extensively drug-resistant outbreak in Tuscany, Italy. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
6	Structure of shikimate kinase, an in vivo essential metabolic enzyme in the nosocomial pathogen Acinetobacter baumannii, in complex with shikimate. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 1736-44		4
5	Extraintestinal pathogenic isolates of Escherichia coli do not possess active IgA1, IgA2, sIgA or IgG proteases. *FEMS Immunology and Medical Microbiology*, **2008**, 53, 65-71		3
4	Capsule and O-antigen from an extraintestinal isolate of Escherichia coli modulate cytokine levels in rat macrophages in vitro and in a rat model of pneumonia. *Experimental Lung Research*, **2007**, 33, 337-56	2.3	2
3	An Evaluation of BfmR-Regulated Antimicrobial Resistance in the Extensively Drug Resistant (XDR) Strain HUMC1. *Frontiers in Microbiology*, **2020**, 11, 595798	5.7	2
2	Fluorescent Sensors of Siderophores produced by Bacterial Pathogens.. *Journal of Biological Chemistry*, **2022**, 101651	5.4	1
1	Clinical Isolates of spp. Are Highly Serum Resistant Despite Efficient Recognition by the Complement System.. *Frontiers in Immunology*, **2022**, 13, 814193	8.4	0