

Jose A Bengoechea

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.

98
papers

4,732
citations

39
h-index

67
g-index

109
ext. papers

5,832
ext. citations

5.6
avg, IF

5.71
L-index

#	Paper	IF	Citations
98	Capsule polysaccharide mediates bacterial resistance to antimicrobial peptides. <i>Infection and Immunity</i> , 2004 , 72, 7107-14	3.7	322
97	Phosphoethanolamine modification of lipid A in colistin-resistant variants of <i>Acinetobacter baumannii</i> mediated by the pmrAB two-component regulatory system. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 3370-9	5.9	267
96	<i>Klebsiella pneumoniae</i> AcrAB efflux pump contributes to antimicrobial resistance and virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 177-83	5.9	233
95	Capsule polysaccharide is a bacterial decoy for antimicrobial peptides. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 3877-3886	2.9	202
94	Complement factor H is a serum-binding protein for adrenomedullin, and the resulting complex modulates the bioactivities of both partners. <i>Journal of Biological Chemistry</i> , 2001 , 276, 12292-300	5.4	184
93	<i>Klebsiella pneumoniae</i> infection biology: living to counteract host defences. <i>FEMS Microbiology Reviews</i> , 2019 , 43, 123-144	15.1	147
92	Bactericidal activity of Lys49 and Asp49 myotoxic phospholipases A2 from <i>Bothrops asper</i> snake venom--synthetic Lys49 myotoxin II-(115-129)-peptide identifies its bactericidal region. <i>FEBS Journal</i> , 1998 , 253, 452-61		136
91	Temperature-regulated efflux pump/potassium antiporter system mediates resistance to cationic antimicrobial peptides in <i>Yersinia</i> . <i>Molecular Microbiology</i> , 2000 , 37, 67-80	4.1	128
90	Modeling <i>Klebsiella pneumoniae</i> pathogenesis by infection of the wax moth <i>Galleria mellonella</i> . <i>Infection and Immunity</i> , 2013 , 81, 3552-65	3.7	107
89	Nontypeable <i>Haemophilus influenzae</i> clearance by alveolar macrophages is impaired by exposure to cigarette smoke. <i>Infection and Immunity</i> , 2009 , 77, 4232-42	3.7	105
88	Lipopolysaccharide O antigen status of <i>Yersinia enterocolitica</i> O:8 is essential for virulence and absence of O antigen affects the expression of other <i>Yersinia</i> virulence factors. <i>Molecular Microbiology</i> , 2004 , 52, 451-69	4.1	97
87	Functional characterization of Gne (UDP-N-acetylglucosamine-4-epimerase), Wzz (chain length determinant), and Wzy (O-antigen polymerase) of <i>Yersinia enterocolitica</i> serotype O:8. <i>Journal of Bacteriology</i> , 2002 , 184, 4277-87	3.5	91
86	The lipopolysaccharide outer core of <i>Yersinia enterocolitica</i> serotype O:3 is required for virulence and plays a role in outer membrane integrity. <i>Molecular Microbiology</i> , 1999 , 31, 1443-62	4.1	91
85	Comparative analysis of <i>Klebsiella pneumoniae</i> genomes identifies a phospholipase D family protein as a novel virulence factor. <i>BMC Biology</i> , 2014 , 12, 41	7.3	87
84	A antibiotic resistance mechanism that subdues host defences and promotes virulence. <i>EMBO Molecular Medicine</i> , 2017 , 9, 430-447	12	83
83	SARS-CoV-2, bacterial co-infections, and AMR: the deadly trio in COVID-19?. <i>EMBO Molecular Medicine</i> , 2020 , 12, e12560	12	82
82	The lipopolysaccharide core of <i>Brucella abortus</i> acts as a shield against innate immunity recognition. <i>PLoS Pathogens</i> , 2012 , 8, e1002675	7.6	81

81	Klebsiella pneumoniae capsule polysaccharide impedes the expression of beta-defensins by airway epithelial cells. <i>Infection and Immunity</i> , 2010 , 78, 1135-46	3.7	80
80	Role of bacterial surface structures on the interaction of Klebsiella pneumoniae with phagocytes. <i>PLoS ONE</i> , 2013 , 8, e56847	3.7	78
79	Analysis of the networks controlling the antimicrobial-peptide-dependent induction of Klebsiella pneumoniae virulence factors. <i>Infection and Immunity</i> , 2011 , 79, 3718-32	3.7	76
78	The biosynthesis and biological role of lipopolysaccharide O-antigens of pathogenic Yersiniae. <i>Carbohydrate Research</i> , 2003 , 338, 2521-9	2.9	76
77	Brucella abortus and its closest phylogenetic relative, Ochrobactrum spp., differ in outer membrane permeability and cationic peptide resistance. <i>Infection and Immunity</i> , 2000 , 68, 3210-8	3.7	74
76	Evidence for a non-replicative intracellular stage of nontypable Haemophilus influenzae in epithelial cells. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 234-250	2.9	71
75	Elucidation of the RamA regulon in Klebsiella pneumoniae reveals a role in LPS regulation. <i>PLoS Pathogens</i> , 2015 , 11, e1004627	7.6	68
74	Klebsiella pneumoniae survives within macrophages by avoiding delivery to lysosomes. <i>Cellular Microbiology</i> , 2015 , 17, 1537-60	3.9	65
73	Klebsiella pneumoniae increases the levels of Toll-like receptors 2 and 4 in human airway epithelial cells. <i>Infection and Immunity</i> , 2009 , 77, 714-24	3.7	65
72	Deciphering tissue-induced Klebsiella pneumoniae lipid A structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6369-78	11.5	62
71	Impact of cigarette smoke exposure on host-bacterial pathogen interactions. <i>European Respiratory Journal</i> , 2012 , 39, 467-77	13.6	60
70	The uptake of a Klebsiella pneumoniae capsule polysaccharide mutant triggers an inflammatory response by human airway epithelial cells. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 555-566	2.9	59
69	Expression of Toll-like receptor 2 is up-regulated in monocytes from patients with chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2006 , 7, 64	7.3	59
68	Klebsiella pneumoniae OmpA confers resistance to antimicrobial peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 298-302	5.9	56
67	Identification of the lipopolysaccharide core of Yersinia pestis and Yersinia pseudotuberculosis as the receptor for bacteriophage Φ 1122. <i>Journal of Bacteriology</i> , 2011 , 193, 4963-72	3.5	54
66	Regulatory network of lipopolysaccharide O-antigen biosynthesis in Yersinia enterocolitica includes cell envelope-dependent signals. <i>Molecular Microbiology</i> , 2002 , 44, 1045-62	4.1	49
65	Relative contributions of lipooligosaccharide inner and outer core modifications to nontypeable Haemophilus influenzae pathogenesis. <i>Infection and Immunity</i> , 2013 , 81, 4100-11	3.7	46
64	Dissection of host cell signal transduction during Acinetobacter baumannii-triggered inflammatory response. <i>PLoS ONE</i> , 2010 , 5, e10033	3.7	45

63	Investigating intracellular persistence of <i>Staphylococcus aureus</i> within a murine alveolar macrophage cell line. <i>Virulence</i> , 2017 , 8, 1761-1775	4.7	44
62	<i>Klebsiella pneumoniae</i> outer membrane protein A is required to prevent the activation of airway epithelial cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 9956-67	5.4	44
61	<i>Klebsiella pneumoniae</i> subverts the activation of inflammatory responses in a NOD1-dependent manner. <i>Cellular Microbiology</i> , 2011 , 13, 135-53	3.9	42
60	An unbiased genetic screen reveals the polygenic nature of the influenza virus anti-interferon response. <i>Journal of Virology</i> , 2014 , 88, 4632-46	6.6	39
59	<i>Klebsiella pneumoniae</i> triggers a cytotoxic effect on airway epithelial cells. <i>BMC Microbiology</i> , 2009 , 9, 156	4.5	38
58	Outer membrane differences between pathogenic and environmental <i>Yersinia enterocolitica</i> biogroups probed with hydrophobic permeants and polycationic peptides. <i>Infection and Immunity</i> , 1996 , 64, 4891-9	3.7	38
57	Lipopolysaccharide-binding protein and CD14 are increased in the bronchoalveolar lavage fluid of smokers. <i>European Respiratory Journal</i> , 2009 , 33, 273-81	13.6	35
56	<i>Klebsiella pneumoniae</i> targets an EGF receptor-dependent pathway to subvert inflammation. <i>Cellular Microbiology</i> , 2013 , 15, 1212-33	3.9	34
55	Molecular basis of <i>Yersinia enterocolitica</i> temperature-dependent resistance to antimicrobial peptides. <i>Journal of Bacteriology</i> , 2012 , 194, 3173-88	3.5	33
54	Functional Genomic Screen Identifies <i>Klebsiella pneumoniae</i> Factors Implicated in Blocking Nuclear Factor κ (NF- κ B) Signaling. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16678-97	5.4	32
53	Natural killer cell-intrinsic type I IFN signaling controls <i>Klebsiella pneumoniae</i> growth during lung infection. <i>PLoS Pathogens</i> , 2017 , 13, e1006696	7.6	32
52	Host cell kinases, β and γ integrins, and Rac1 signalling on the microtubule cytoskeleton are important for non-typable <i>Haemophilus influenzae</i> invasion of respiratory epithelial cells. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 2384-2398	2.9	31
51	<i>Klebsiella pneumoniae</i> type VI secretion system-mediated microbial competition is PhoPQ controlled and reactive oxygen species dependent. <i>PLoS Pathogens</i> , 2020 , 16, e1007969	7.6	29
50	Lack of effect of glutamine administration to boost the innate immune system response in trauma patients in the intensive care unit. <i>Critical Care</i> , 2010 , 14, R233	10.8	29
49	Pathogenic <i>Yersinia enterocolitica</i> strains increase the outer membrane permeability in response to environmental stimuli by modulating lipopolysaccharide fluidity and lipid A structure. <i>Infection and Immunity</i> , 2003 , 71, 2014-21	3.7	29
48	Role of lipid A acylation in <i>Yersinia enterocolitica</i> virulence. <i>Infection and Immunity</i> , 2010 , 78, 2768-81	3.7	28
47	Identification and Characterization of Two <i>Klebsiella pneumoniae</i> Lipid A Late Acyltransferases and Their Role in Virulence. <i>Infection and Immunity</i> , 2017 , 85,	3.7	27
46	Deciphering the acylation pattern of <i>Yersinia enterocolitica</i> lipid A. <i>PLoS Pathogens</i> , 2012 , 8, e1002978	7.6	26

45	Glutamine as a modulator of the immune system of critical care patients: effect on Toll-like receptor expression. A preliminary study. <i>Nutrition</i> , 2008 , 24, 522-7	4.8	26
44	Quinolones sensitize gram-negative bacteria to antimicrobial peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 2361-7	5.9	26
43	Electronic cigarette vapour increases virulence and inflammatory potential of respiratory pathogens. <i>Respiratory Research</i> , 2019 , 20, 267	7.3	26
42	Characterization of nontypable Haemophilus influenzae isolates recovered from adult patients with underlying chronic lung disease reveals genotypic and phenotypic traits associated with persistent infection. <i>PLoS ONE</i> , 2014 , 9, e97020	3.7	24
41	Clearance of intracellular Klebsiella pneumoniae infection using gentamicin-loaded nanoparticles. <i>Journal of Controlled Release</i> , 2018 , 279, 316-325	11.7	23
40	Efficacy of cecropin A-melittin peptides on a sepsis model of infection by pan-resistant Acinetobacter baumannii. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2011 , 30, 1391-8	5.3	21
39	Characterization of the six glycosyltransferases involved in the biosynthesis of Yersinia enterocolitica serotype O:3 lipopolysaccharide outer core. <i>Journal of Biological Chemistry</i> , 2010 , 285, 28333-42	5.4	20
38	Defective B cell response to TLR9 ligand (CpG-ODN), Streptococcus pneumoniae and Haemophilus influenzae extracts in common variable immunodeficiency patients. <i>Cellular Immunology</i> , 2010 , 262, 105-114	4.4	20
37	Proper expression of the O-antigen of lipopolysaccharide is essential for the virulence of Yersinia enterocolitica O:8 in experimental oral infection of rabbits. <i>FEMS Immunology and Medical Microbiology</i> , 2003 , 38, 97-106		19
36	Stepwise evolution of Salmonella Typhimurium ST313 causing bloodstream infection in Africa. <i>Nature Microbiology</i> , 2021 , 6, 327-338	26.6	19
35	Expression of the Yersinia enterocolitica pYV-encoded type III secretion system is modulated by lipopolysaccharide O-antigen status. <i>Infection and Immunity</i> , 2007 , 75, 1512-6	3.7	18
34	Relative Contribution of P5 and Hap Surface Proteins to Nontypable Haemophilus influenzae Interplay with the Host Upper and Lower Airways. <i>PLoS ONE</i> , 2015 , 10, e0123154	3.7	17
33	Nontypable Haemophilus influenzae displays a prevalent surface structure molecular pattern in clinical isolates. <i>PLoS ONE</i> , 2011 , 6, e21133	3.7	17
32	Apoptosis, Toll-like, RIG-I-like and NOD-like Receptors Are Pathways Jointly Induced by Diverse Respiratory Bacterial and Viral Pathogens. <i>Frontiers in Microbiology</i> , 2017 , 8, 276	5.7	16
31	Characterization and biological role of the O-polysaccharide gene cluster of Yersinia enterocolitica serotype O:9. <i>Journal of Bacteriology</i> , 2007 , 189, 7244-53	3.5	16
30	Genotypic and phenotypic diversity of the noncapsulated Haemophilus influenzae: adaptation and pathogenesis in the human airways. <i>International Microbiology</i> , 2012 , 15, 159-72	3	16
29	Molecular evolution of proadrenomedullin N-terminal 20 peptide (PAMP): evidence for gene co-option. <i>Endocrinology</i> , 2006 , 147, 3457-61	4.8	15
28	2-Hydroxylation of Lipid A Contributes to Virulence. <i>Infection and Immunity</i> , 2019 , 87,	3.7	14

27	Relationship between azithromycin susceptibility and administration efficacy for nontypeable Haemophilus influenzae respiratory infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 2700-12 ^{5.9}	5.9	13
26	Genome Expression Profiling-Based Identification and Administration Efficacy of Host-Directed Antimicrobial Drugs against Respiratory Infection by Nontypeable Haemophilus influenzae. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 7581-92	5.9	12
25	Modulation of Haemophilus influenzae interaction with hydrophobic molecules by the VacJ/MlaA lipoprotein impacts strongly on its interplay with the airways. <i>Scientific Reports</i> , 2018 , 8, 6872	4.9	12
24	Bacteria microarrays as sensitive tools for exploring pathogen surface epitopes and recognition by host receptors. <i>RSC Advances</i> , 2015 , 5, 7173-7181	3.7	11
23	Nonclonal Emergence of Colistin Resistance Associated with Mutations in the BasRS Two-Component System in Escherichia coli Bloodstream Isolates. <i>MSphere</i> , 2020 , 5,	5	11
22	Nanodelivery strategies for the treatment of multidrug-resistant bacterial infections. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018 , 3, 111-121	4	11
21	Infection systems biology: from reactive to proactive (P4) medicine. <i>International Microbiology</i> , 2012 , 15, 55-60	3	9
20	The intrinsic resistome of Klebsiella pneumoniae. <i>International Journal of Antimicrobial Agents</i> , 2019 , 53, 29-33	14.3	9
19	PYHIN1 regulates pro-inflammatory cytokine induction rather than innate immune DNA sensing in airway epithelial cells. <i>Journal of Biological Chemistry</i> , 2020 , 295, 4438-4450	5.4	8
18	Lipopolysaccharide Core Oligosaccharide Biosynthesis and Assembly 2011 , 237-273		7
17	Chronic obstructive pulmonary disease Th1 cells display impaired response to endotoxin. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 148-50	10.2	7
16	Klebsiella pneumoniae Reduces SUMOylation To Limit Host Defense Responses. <i>MBio</i> , 2020 , 11,	7.8	7
15	Evolution of Colistin Resistance in the Klebsiella pneumoniae Complex Follows Multiple Evolutionary Trajectories with Variable Effects on Fitness and Virulence Characteristics. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 65,	5.9	7
14	A Porcine Lung Perfusion Model To Investigate Bacterial Pathogenesis. <i>MBio</i> , 2019 , 10,	7.8	7
13	Control of Klebsiella pneumoniae Infection in Mice by Using Dissolving Microarray Patches Containing Gentamicin. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	6
12	Expression of toll-like receptors 2 and 4 is upregulated during hospital admission in traumatic patients: lack of correlation with blunted innate immune responses. <i>Annals of Surgery</i> , 2010 , 251, 521-7	7.8	6
11	Experimental pig yersiniosis to assess attenuation of Yersinia enterocolitica O:8 mutant strains. <i>FEMS Immunology and Medical Microbiology</i> , 2006 , 47, 425-35		6
10	Identification of , and , Three Genes Involved in the Remodeling of Cell Envelope. <i>Frontiers in Microbiology</i> , 2017 , 8, 2657	5.7	4

9	amino acids go on the defense. <i>Journal of Biological Chemistry</i> , 2017 , 292, 21216-21217	5.4	4
8	Regulation of O-antigen biosynthesis in <i>Yersinia enterocolitica</i> . <i>Advances in Experimental Medicine and Biology</i> , 2003 , 529, 267-74	3.6	4
7	Several Hfq-dependent alterations in physiology of <i>Yersinia enterocolitica</i> O:3 are mediated by derepression of the transcriptional regulator RovM. <i>Molecular Microbiology</i> , 2017 , 103, 1065-1091	4.1	3
6	Secretory IgA and COPD: a new kid on the block?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 285-7	10.2	3
5	Generation of replication-proficient influenza virus NS1 point mutants with interferon-hyperinducer phenotype. <i>PLoS ONE</i> , 2014 , 9, e98668	3.7	2
4	SARS-CoV-2, BACTERIAL CO-INFECTIONS, AND AMR: THE DEADLY TRIO IN COVID-19?. <i>Juvenis Scientia</i> , 2020 , 6, 42-50	0.1	2
3	Functional genomics to identify therapeutic prophylactic targets. <i>Environmental Microbiology Reports</i> , 2010 , 2, 219-27	3.7	1
2	Viruses to fight other viruses: the influenza vaccine case. <i>EMBO Molecular Medicine</i> , 2020 , 12, e12059	12	1
1	Significance of tagI and mfd genes in the virulence of non-typeable <i>Haemophilus influenzae</i> . <i>International Microbiology</i> , 2014 , 17, 159-64	3	1