

# Jose A Bengoechea

## List of Publications by Year in descending order

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100  
papers

6,521  
citations

66343

42  
h-index

69250

77  
g-index

109  
all docs

109  
docs citations

109  
times ranked

7675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capsule Polysaccharide Mediates Bacterial Resistance to Antimicrobial Peptides. <i>Infection and Immunity</i> , 2004, 72, 7107-7114.	2.2	406
2	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, 3370-3379.	3.2	354
3	<i>Klebsiella pneumoniae</i> AcrAB Efflux Pump Contributes to Antimicrobial Resistance and Virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 177-183.	3.2	332
4	<i>Klebsiella pneumoniae</i> infection biology: living to counteract host defences. <i>FEMS Microbiology Reviews</i> , 2019, 43, 123-144.	8.6	322
5	Capsule polysaccharide is a bacterial decoy for antimicrobial peptides. <i>Microbiology (United Kingdom)</i> , 2008, 154, 3877-3886.	1.8	243
6	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, 12292-12300.	3.4	214
7	SARS-CoV-2, bacterial coinfections, and AMR : the deadly trio in COVID-19?. <i>EMBO Molecular Medicine</i> , 2020, 12, e12560.	6.9	169
8	Modeling <i>Klebsiella pneumoniae</i> Pathogenesis by Infection of the Wax Moth <i>Galleria mellonella</i> . <i>Infection and Immunity</i> , 2013, 81, 3552-3565.	2.2	167
9	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, 452-461.	0.2	161
10	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.	2.5	152
11	The Lipopolysaccharide Core of <i>Brucella abortus</i> Acts as a Shield Against Innate Immunity Recognition. <i>PLoS Pathogens</i> , 2012, 8, e1002675.	4.7	140
12	A <i>Klebsiella pneumoniae</i> antibiotic resistance mechanism that subdues host defences and promotes virulence. <i>EMBO Molecular Medicine</i> , 2017, 9, 430-447.	6.9	136
13	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.	3.8	132
14	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, 451-469.	2.5	120
15	Role of Bacterial Surface Structures on the Interaction of <i>Klebsiella pneumoniae</i> with Phagocytes. <i>PLoS ONE</i> , 2013, 8, e56847.	2.5	119
16	<i>Klebsiella pneumoniae</i> survives within macrophages by avoiding delivery to lysosomes. <i>Cellular Microbiology</i> , 2015, 17, 1537-1560.	2.1	116
17	Nontypeable <i>Haemophilus influenzae</i> Clearance by Alveolar Macrophages Is Impaired by Exposure to Cigarette Smoke. <i>Infection and Immunity</i> , 2009, 77, 4232-4242.	2.2	115
18	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, 1443-1462.	2.5	103

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19	<i>Klebsiella pneumoniae</i> Capsule Polysaccharide Impedes the Expression of $\beta^2$ -Defensins by Airway Epithelial Cells. <i>Infection and Immunity</i> , 2010, 78, 1135-1146.	2.2	97
20	Deciphering tissue-induced <i>Klebsiella pneumoniae</i> lipid A structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6369-78.	7.1	97
21	Functional Characterization of Gne (UDP- N -Acetylglucosamine- 4-Epimerase), Wzz (Chain Length) Tj ETQq1 1 0.784314 rgBT /Overl <i>Bacteriology</i> , 2002, 184, 4277-4287.	2.2	96
22	Elucidation of the RamA Regulon in <i>Klebsiella pneumoniae</i> Reveals a Role in LPS Regulation. <i>PLoS Pathogens</i> , 2015, 11, e1004627.	4.7	95
23	Analysis of the Networks Controlling the Antimicrobial-Peptide-Dependent Induction of <i>Klebsiella pneumoniae</i> Virulence Factors. <i>Infection and Immunity</i> , 2011, 79, 3718-3732.	2.2	93
24	<i>Klebsiella pneumoniae</i> OmpA Confers Resistance to Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 298-302.	3.2	91
25	<i>Brucella abortus</i> and Its Closest Phylogenetic Relative, <i>Ochrobactrum</i> spp., Differ in Outer Membrane Permeability and Cationic Peptide Resistance. <i>Infection and Immunity</i> , 2000, 68, 3210-3218.	2.2	89
26	Identification of the Lipopolysaccharide Core of <i>Yersinia pestis</i> and <i>Yersinia pseudotuberculosis</i> as the Receptor for Bacteriophage $\lambda$ A1122. <i>Journal of Bacteriology</i> , 2011, 193, 4963-4972.	2.2	87
27	<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.	4.7	86
28	Impact of cigarette smoke exposure on host-bacterial pathogen interactions. <i>European Respiratory Journal</i> , 2012, 39, 467-477.	6.7	81
29	The biosynthesis and biological role of lipopolysaccharide O-antigens of pathogenic <i>Yersiniae</i> . <i>Carbohydrate Research</i> , 2003, 338, 2521-2529.	2.3	80
30	Evidence for a non-replicative intracellular stage of nontypable <i>Haemophilus influenzae</i> in epithelial cells. <i>Microbiology (United Kingdom)</i> , 2011, 157, 234-250.	1.8	79
31	The uptake of a <i>Klebsiella pneumoniae</i> capsule polysaccharide mutant triggers an inflammatory response by human airway epithelial cells. <i>Microbiology (United Kingdom)</i> , 2006, 152, 555-566.	1.8	74
32	<i>Klebsiella pneumoniae</i> Increases the Levels of Toll-Like Receptors 2 and 4 in Human Airway Epithelial Cells. <i>Infection and Immunity</i> , 2009, 77, 714-724.	2.2	74
33	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.	3.6	69
34	Stepwise evolution of <i>Salmonella</i> Typhimurium ST313 causing bloodstream infection in Africa. <i>Nature Microbiology</i> , 2021, 6, 327-338.	13.3	68
35	<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, 9956-9967.	3.4	67
36	Investigating intracellular persistence of <i>Staphylococcus aureus</i> within a murine alveolar macrophage cell line. <i>Virulence</i> , 2017, 8, 1761-1775.	4.4	65

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37	<i>Klebsiella pneumoniae</i> subverts the activation of inflammatory responses in a NOD1-dependent manner. <i>Cellular Microbiology</i> , 2011, 13, 135-153.	2.1	61
38	Regulatory network of lipopolysaccharide O-antigen biosynthesis in <i>Yersinia enterocolitica</i> includes cell envelope-dependent signals. <i>Molecular Microbiology</i> , 2002, 44, 1045-1062.	2.5	57
39	Dissection of Host Cell Signal Transduction during <i>Acinetobacter baumannii</i> " Triggered Inflammatory Response. <i>PLoS ONE</i> , 2010, 5, e10033.	2.5	57
40	Natural killer cell-intrinsic type I IFN signaling controls <i>Klebsiella pneumoniae</i> growth during lung infection. <i>PLoS Pathogens</i> , 2017, 13, e1006696.	4.7	54
41	<i>Klebsiella pneumoniae</i> triggers a cytotoxic effect on airway epithelial cells. <i>BMC Microbiology</i> , 2009, 9, 156.	3.3	51
42	Relative Contributions of Lipooligosaccharide Inner and Outer Core Modifications to Nontypeable <i>Haemophilus influenzae</i> Pathogenesis. <i>Infection and Immunity</i> , 2013, 81, 4100-4111.	2.2	48
43	Functional Genomic Screen Identifies <i>Klebsiella pneumoniae</i> Factors Implicated in Blocking Nuclear Factor $\kappa$ B (NF- $\kappa$ B) Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 16678-16697.	3.4	48
44	<i>Klebsiella pneumoniae</i> targets an EGF receptor-dependent pathway to subvert inflammation. <i>Cellular Microbiology</i> , 2013, 15, 1212-1233.	2.1	46
45	An Unbiased Genetic Screen Reveals the Polygenic Nature of the Influenza Virus Anti-Interferon Response. <i>Journal of Virology</i> , 2014, 88, 4632-4646.	3.4	45
46	Clearance of intracellular <i>Klebsiella pneumoniae</i> infection using gentamicin-loaded nanoparticles. <i>Journal of Controlled Release</i> , 2018, 279, 316-325.	9.9	44
47	Electronic cigarette vapour increases virulence and inflammatory potential of respiratory pathogens. <i>Respiratory Research</i> , 2019, 20, 267.	3.6	44
48	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, 4891-4899.	2.2	44
49	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, .	2.2	42
50	Lipopolysaccharide-binding protein and CD14 are increased in the bronchoalveolar lavage fluid of smokers. <i>European Respiratory Journal</i> , 2008, 33, 273-281.	6.7	40
51	Molecular Basis of <i>Yersinia enterocolitica</i> Temperature-Dependent Resistance to Antimicrobial Peptides. <i>Journal of Bacteriology</i> , 2012, 194, 3173-3188.	2.2	37
52	2-Hydroxylation of <i>Acinetobacter baumannii</i> Lipid A Contributes to Virulence. <i>Infection and Immunity</i> , 2019, 87, .	2.2	37
53	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, 2014-2021.	2.2	36
54	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.	5.8	34

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55	Host cell kinases, $\beta$ 5 and $\beta$ 1 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> , 2014, 158, 1031-1041.	10.78	314
56	Deciphering the Acylation Pattern of <i>Yersinia enterocolitica</i> Lipid A. <i>PLoS Pathogens</i> , 2012, 8, e1002978.	4.7	32
57	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, 522-527.	2.4	31
58	Quinolones Sensitize Gram-Negative Bacteria to Antimicrobial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2361-2367.	3.2	29
59	Role of Lipid A Acylation in <i>Yersinia enterocolitica</i> Virulence. <i>Infection and Immunity</i> , 2010, 78, 2768-2781.	2.2	29
60	Characterization of Nontypable <i>Haemophilus influenzae</i> 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.	2.5	29
61	Efficacy of cecropin A-melittin peptides on a sepsis model of infection by pan-resistant <i>Acinetobacter baumannii</i> . <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2011, 30, 1391-1398.	2.9	26
62	Defective B cell response to TLR9 ligand (CpG-ODN), <i>Streptococcus pneumoniae</i> and <i>Haemophilus influenzae</i> extracts in common variable immunodeficiency patients. <i>Cellular Immunology</i> , 2010, 262, 105-111.	3.0	24
63	<i>Klebsiella pneumoniae</i> Reduces SUMOylation To Limit Host Defense Responses. <i>MBio</i> , 2020, 11, .	4.1	24
64	Characterization of the Six Glycosyltransferases Involved in the Biosynthesis of <i>Yersinia enterocolitica</i> Serotype O:3 Lipopolysaccharide Outer Core. <i>Journal of Biological Chemistry</i> , 2010, 285, 28333-28342.	3.4	22
65	Nontypable <i>Haemophilus influenzae</i> Displays a Prevalent Surface Structure Molecular Pattern in Clinical Isolates. <i>PLoS ONE</i> , 2011, 6, e21133.	2.5	22
66	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.	3.5	22
67	Nanodelivery strategies for the treatment of multidrug-resistant bacterial infections. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018, 3, 111-121.	3.6	22
68	Relative Contribution of P5 and Hap Surface Proteins to Nontypable <i>Haemophilus influenzae</i> Interplay with the Host Upper and Lower Airways. <i>PLoS ONE</i> , 2015, 10, e0123154.	2.5	21
69	Proper expression of the O-antigen of lipopolysaccharide is essential for the virulence of <i>Yersinia enterocolitica</i> O:8 in experimental oral infection of rabbits. <i>FEMS Immunology and Medical Microbiology</i> , 2003, 38, 97-106.	2.7	20
70	Expression of the <i>Yersinia enterocolitica</i> pYV-Encoded Type III Secretion System Is Modulated by Lipopolysaccharide O-Antigen Status. <i>Infection and Immunity</i> , 2007, 75, 1512-1516.	2.2	20
71	The intrinsic resistome of <i>Klebsiella pneumoniae</i> . <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 29-33.	2.5	20
72	Characterization and Biological Role of the O-Polysaccharide Gene Cluster of <i>Yersinia enterocolitica</i> Serotype O:9. <i>Journal of Bacteriology</i> , 2007, 189, 7244-7253.	2.2	19

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73	Modulation of Haemophilus influenzae interaction with hydrophobic molecules by the VacJ/MlaA lipoprotein impacts strongly on its interplay with the airways. Scientific Reports, 2018, 8, 6872.	3.3	19
74	A Porcine <i>Ex Vivo</i> Lung Perfusion Model To Investigate Bacterial Pathogenesis. MBio, 2019, 10, .	4.1	19
75	Nonclonal Emergence of Colistin Resistance Associated with Mutations in the BasRS Two-Component System in Escherichia coli Bloodstream Isolates. MSphere, 2020, 5, .	2.9	19
76	Genotypic and phenotypic diversity of the noncapsulated Haemophilus influenzae: adaptation and pathogenesis in the human airways. International Microbiology, 2012, 15, 159-72.	2.4	18
77	Molecular Evolution of Proadrenomedullin N-Terminal 20 Peptide (PAMP): Evidence for Gene Co-Option. Endocrinology, 2006, 147, 3457-3461.	2.8	17
78	Relationship between Azithromycin Susceptibility and Administration Efficacy for Nontypeable Haemophilus influenzae Respiratory Infection. Antimicrobial Agents and Chemotherapy, 2015, 59, 2700-2712.	3.2	15
79	Genome Expression Profiling-Based Identification and Administration Efficacy of Host-Directed Antimicrobial Drugs against Respiratory Infection by Nontypeable Haemophilus influenzae. Antimicrobial Agents and Chemotherapy, 2015, 59, 7581-7592.	3.2	15
80	PYHIN1 regulates pro-inflammatory cytokine induction rather than innate immune DNA sensing in airway epithelial cells. Journal of Biological Chemistry, 2020, 295, 4438-4450.	3.4	15
81	Bacteria microarrays as sensitive tools for exploring pathogen surface epitopes and recognition by host receptors. RSC Advances, 2015, 5, 7173-7181.	3.6	12
82	Evolution of Colistin Resistance in the Klebsiella pneumoniae Complex Follows Multiple Evolutionary Trajectories with Variable Effects on Fitness and Virulence Characteristics. Antimicrobial Agents and Chemotherapy, 2020, 65, .	3.2	12
83	Infection systems biology: from reactive to proactive (P4) medicine. International Microbiology, 2012, 15, 55-60.	2.4	12
84	Control of Klebsiella pneumoniae Infection in Mice by Using Dissolving Microarray Patches Containing Gentamicin. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	11
85	Lipopolysaccharide Core Oligosaccharide Biosynthesis and Assembly. , 2011, , 237-273.		10
86	Expression of Toll-Like Receptors 2 and 4 is Upregulated During Hospital Admission in Traumatic Patients. Annals of Surgery, 2010, 251, 521-527.	4.2	8
87	Secretory IgA and COPD: A New Kid on the Block?. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 285-287.	5.6	7
88	Chronic Obstructive Pulmonary Disease Th1 Cells Display Impaired Response to Endotoxin. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 148-150.	5.6	7
89	Experimental pig yersiniosis to assess attenuation of Yersinia enterocolitica O:8 mutant strains. FEMS Immunology and Medical Microbiology, 2006, 47, 425-435.	2.7	6
90	Vibrio cholerae amino acids go on the defense. Journal of Biological Chemistry, 2017, 292, 21216-21217.	3.4	5

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91	Identification of lptA, lpxE, and lpxO, Three Genes Involved in the Remodeling of Brucella Cell Envelope. <i>Frontiers in Microbiology</i> , 2017, 8, 2657.	3.5	5
92	Regulation of O-Antigen Biosynthesis in <i>Yersinia enterocolitica</i> . , 2003, 529, 267-274.		4
93	Klebsiellasweet deadly kiss. <i>Virulence</i> , 2016, 7, 742-744.	4.4	4
94	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.	2.5	4
95	Generation of Replication-Proficient Influenza Virus NS1 Point Mutants with Interferon-Hyperinducer Phenotype. <i>PLoS ONE</i> , 2014, 9, e98668.	2.5	3
96	SARS-CoV-2, BACTERIAL CO-INFECTIONS, AND AMR: THE DEADLY TRIO IN COVID-19?. <i>Juvenis Scientia</i> , 2020, 6, 42-50.	0.2	2
97	Functional genomics to identify therapeutic prophylactic targets. <i>Environmental Microbiology Reports</i> , 2010, 2, 219-227.	2.4	1
98	Viruses to fight other viruses: the influenza vaccine case. <i>EMBO Molecular Medicine</i> , 2020, 12, e12059.	6.9	1
99	Significance of tagI and mfd genes in the virulence of non-typeable <i>Haemophilus influenzae</i> . <i>International Microbiology</i> , 2014, 17, 159-64.	2.4	1
100	Global gene expression profiling of a virulent <i>Klebsiella pneumoniae</i> strain during pulmonary infection. <i>Access Microbiology</i> , 2019, 1, .	0.5	0