Sebastian Alberti

List of Publications by Year
in descending order

76	6,203	87723	71532
papers	citations	38 h-index	76 g-index

78	78	78	6234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel Carbapenem-Hydrolyzing Î²-Lactamase, KPC-1, from a Carbapenem-Resistant Strain of Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2001, 45, 1151-1161.	1.4	1,415
2	Capsule Polysaccharide Mediates Bacterial Resistance to Antimicrobial Peptides. Infection and Immunity, 2004, 72, 7107-7114.	1.0	406
3	Klebsiella pneumoniae AcrAB Efflux Pump Contributes to Antimicrobial Resistance and Virulence. Antimicrobial Agents and Chemotherapy, 2010, 54, 177-183.	1.4	332
4	Molecular Analysis of the Contribution of the Capsular Polysaccharide and the Lipopolysaccharide O Side Chain to the Virulence of Klebsiella pneumoniae in a Murine Model of Pneumonia. Infection and Immunity, 2002, 70, 2583-2590.	1.0	263
5	In vivo selection of porin-deficient mutants of Klebsiella pneumoniae with increased resistance to cefoxitin and expanded-spectrum-cephalosporins. Antimicrobial Agents and Chemotherapy, 1996, 40, 342-348.	1.4	220
6	Porin expression in clinical isolates of Klebsiella pneumoniae. Microbiology (United Kingdom), 1999, 145, 673-679.	0.7	189
7	Carbapenem-Resistant Strain of Klebsiella oxytoca Harboring Carbapenem-HydrolyzingÎ² -Lactamase KPC-2. Antimicrobial Agents and Chemotherapy, 2003, 47, 3881-3889.	1.4	172
8	Mechanisms of Klebsiella pneumoniae resistance to complement-mediated killing. Infection and Immunity, 1992, 60, 2529-2535.	1.0	170
9	Hyaluronic acid capsule modulates M protein-mediated adherence and acts as a ligand for attachment of group A Streptococcus to CD44 on human keratinocytes.. Journal of Clinical Investigation, 1998, 101, 1708-1716.	3.9	147
10	Role of Klebsiella pneumoniae OmpK35 Porin in Antimicrobial Resistance. Antimicrobial Agents and Chemotherapy, 2003, 47, 3332-3335.	1.4	141
11	Crystal structure and functional characterization of OmpK36, the osmoporin of Klebsiella pneumoniae. Structure, 1999, 7, 425-434.	1.6	138
12	Pan-Î²-Lactam Resistance Development in Pseudomonas aeruginosa Clinical Strains: Molecular Mechanisms, Penicillin-Binding Protein Profiles, and Binding Affinities. Antimicrobial Agents and Chemotherapy, 2012, 56, 4771-4778.	1.4	138
13	Characterization of a Large Outbreak by CTX-M-1-Producing Klebsiella pneumoniae and Mechanisms Leading to In Vivo Carbapenem Resistance Development. Journal of Clinical Microbiology, 2006, 44, 2831-2837.	1.8	126
14	A gene (wbbL) from Serratia marcescens N28b (O4) complements the rfb-50 mutation of Escherichia coli K-12 derivatives. Journal of Bacteriology, 1997, 179, 7581-7586.	1.0	106
15	Metallo-Â-lactamase-producing Pseudomonas putida as a reservoir of multidrug resistance elements that can be transferred to successful Pseudomonas aeruginosa clones. Journal of Antimicrobial Chemotherapy, 2010, 65, 474-478.	1.3	105
16	Klebsiella pneumoniae Lipopolysaccharide O Typing: Revision of Prototype Strains and O-Group Distribution among Clinical Isolates from Different Sources and Countries. Journal of Clinical Microbiology, 1999, 37, 56-62.	1.8	104
17	Capsular Polysaccharide Is a Major Complement Resistance Factor in Lipopolysaccharide O Side Chain-Deficient Klebsiella pneumoniae Clinical Isolates. Infection and Immunity, 2000, 68, 953-955.	1.0	94
18	Benefit of Having MultipleampDGenes for Acquiring Î²-Lactam Resistance without Losing Fitness and Virulence inPseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2008, 52, 3694-3700.	1.4	91

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19	Development of Resistance during Antimicrobial Therapy Caused by Insertion Sequence Interruption of Porin Genes. Antimicrobial Agents and Chemotherapy, 1999, 43, 937-939.	1.4	87
20	Role of Klebsiella pneumoniae LamB Porin in Antimicrobial Resistance. Antimicrobial Agents and Chemotherapy, 2011, 55, 1803-1805.	1.4	87
21	Role of the htrA Gene in Klebsiella pneumoniae Virulence. Infection and Immunity, 2002, 70, 4772-4776.	1.0	84
22	The uptake of a Klebsiella pneumoniae capsule polysaccharide mutant triggers an inflammatory response by human airway epithelial cells. Microbiology (United Kingdom), 2006, 152, 555-566.	0.7	74
23	Characterization of the New Metallo-Î²-Lactamase VIM-13 and Its Integron-Borne Gene from a Pseudomonas aeruginosa Clinical Isolate in Spain. Antimicrobial Agents and Chemotherapy, 2008, 52, 3589-3596.	1.4	71
24	Molecular epidemiological typing of Enterobacter cloacae isolates from a neonatal intensive care unit: three-year prospective study. Journal of Hospital Infection, 2001, 49, 173-182.	1.4	68
25	Molecular Analysis of the Capsule Gene Region of Group A Streptococcus : the hasAB Genes Are Sufficient for Capsule Expression. Journal of Bacteriology, 1998, 180, 4955-4959.	1.0	65
26	Role of Lung Epithelial Cells in Defense against Klebsiella pneumoniae Pneumonia. Infection and Immunity, 2002, 70, 1075-1080.	1.0	62
27	Impact of AmpC Derepression on Fitness and Virulence: the Mechanism or the Pathway?. MBio, 2016, 7, .	1.8	62
28	Assessment of the interaction of human complement regulatory proteins with group AStreptococcus. Identification of a high-affinity group AStreptococcus binding site in FHL-1. European Journal of Immunology, 2000, 30, 1243-1253.	1.6	59
29	Carbapenem Heteroresistance in VIM-1-Producing Klebsiella pneumoniae Isolates Belonging to the Same Clone: Consequences for Routine Susceptibility Testing. Journal of Clinical Microbiology, 2010, 48, 4089-4093.	1.8	56
30	OmpK26, a Novel Porin Associated with Carbapenem Resistance in Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2011, 55, 4742-4747.	1.4	56
31	Environmental Microbiota Represents a Natural Reservoir for Dissemination of Clinically Relevant Metallo-Î²-Lactamases. Antimicrobial Agents and Chemotherapy, 2011, 55, 5376-5379.	1.4	55
32	Aeromonas salmonicida resistance to complement-mediated killing. Infection and Immunity, 1994, 62, 5483-5490.	1.0	54
33	Interaction between Complement Regulators andStreptococcus pyogenes: Binding of C4b-Binding Protein and Factor H/Factor H-Like Protein 1 to M18 Strains Involves Two Different Cell Surface Molecules. Journal of Immunology, 2004, 173, 6899-6904.	0.4	53
34	Novel Phosphorylcholineâ€Containing Protein ofPseudomonas aeruginosaChronic Infection Isolates Interacts with Airway Epithelial Cells. Journal of Infectious Diseases, 2008, 197, 465-473.	1.9	52
35	Structure of the has operon promoter and regulation of hyaluronic acid capsule expression in group A Streptococcus. Molecular Microbiology, 1998, 28, 343-353.	1.2	51
36	Increase of Enterobacter in neonatal sepsis: a twenty-two-year study. Pediatric Infectious Disease Journal, 2001, 20, 134-140.	1.1	51

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37	Survey of emm Gene Sequences from Pharyngeal Streptococcus pyogenes Isolates Collected in Spain and Their Relationship with Erythromycin Susceptibility. Journal of Clinical Microbiology, 2003, 41, 2385-2390.	1.8	47
38	C3 Promotes Clearance of Klebsiella pneumoniae by A549 Epithelial Cells. Infection and Immunity, 2004, 72, 1767-1774.	1.0	42
39	Lysine Trimethylation of EF-Tu Mimics Platelet-Activating Factor To Initiate Pseudomonas aeruginosa Pneumonia. MBio, 2013, 4, e00207-13.	1.8	42
40	Mesophilic Aeromonas sp. serogroup O:11 resistance to complement-mediated killing. Infection and Immunity, 1996, 64, 5302-5309.	1.0	35
41	From the Environment to the Host: Re-Wiring of the Transcriptome of Pseudomonas aeruginosa from 22Â°C to 37Â°C. PLoS ONE, 2014, 9, e89941.	1.1	35
42	Novel Carbapenem-Hydrolyzing Î²-Lactamase, KPC-1, from a Carbapenem-Resistant Strain of Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2008, 52, 809-809.	1.4	31
43	Genotypic and phenotypic analyses of a Pseudomonas aeruginosa chronic bronchiectasis isolate reveal differences from cystic fibrosis and laboratory strains. BMC Genomics, 2015, 16, 883.	1.2	30
44	Fluticasone propionate reduces bacterial airway epithelial invasion. European Respiratory Journal, 2008, 32, 1283-1288.	3.1	26
45	Detection of the Novel Extended-Spectrum Î²-Lactamase OXA-161 from a Plasmid-Located Integron inPseudomonas aeruginosaClinical Isolates from Spain. Antimicrobial Agents and Chemotherapy, 2009, 53, 5288-5290.	1.4	25
46	Porin Loss Impacts the Host Inflammatory Response to Outer Membrane Vesicles of Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2016, 60, 1360-1369.	1.4	24
47	Crystal Structure of Glyceraldehyde-3-Phosphate Dehydrogenase from the Gram-Positive Bacterial Pathogen A. vaginae, an Immunoevasive Factor that Interacts with the Human C5a Anaphylatoxin. Frontiers in Microbiology, 2017, 8, 541.	1.5	24
48	Overexpression of MexCD-OprJ Reduces Pseudomonas aeruginosa Virulence by Increasing Its Susceptibility to Complement-Mediated Killing. Antimicrobial Agents and Chemotherapy, 2014, 58, 2426-2429.	1.4	23
49	Pseudomonas aeruginosa EftM Is a Thermoregulated Methyltransferase. Journal of Biological Chemistry, 2016, 291, 3280-3290.	1.6	22
50	Streptococcus pyogenes Pharyngeal Isolates with Reduced Susceptibility to Ciprofloxacin in Spain: Mechanisms of Resistance and Clonal Diversity. Antimicrobial Agents and Chemotherapy, 2005, 49, 418-420.	1.4	21
51	Sensing Mg²⁺ contributes to the resistance of Pseudomonas aeruginosa to complementâ€mediated opsonophagocytosis. Environmental Microbiology, 2017, 19, 4278-4286.	1.8	20
52	Binding of complement regulatory proteins to Group A Streptococcus. Vaccine, 2008, 26, I75-I78.	1.7	18
53	Isolation of FC3-11, a bacteriophage specific for theKlebsiella pneumoniaeporin OmpK36, and its use for the isolation of porin-deficient mutants. Canadian Journal of Microbiology, 1995, 41, 399-406.	0.8	17
54	Surfactant Protein A Recognizes Outer Membrane Protein OprH onPseudomonas aeruginosaIsolates From Individuals With Chronic Infection. Journal of Infectious Diseases, 2016, 214, 1449-1455.	1.9	17

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55	Identification of two additives, locust bean gum (E-410) and guar gum (E-412), in food products by DNA-based methods. Food Additives and Contaminants, 2004, 21, 619-625.	2.0	15
56	Emergence of CTX-M-15 extended-spectrum Î²-lactamase-producing Klebsiella pneumoniae isolates in Bosnia and Herzegovina. Clinical Microbiology and Infection, 2010, 16, 152-156.	2.8	15
57	Effect of Porins and Plasmid-Mediated AmpC Î²-Lactamases on the Efficacy of Î²-Lactams in Rat Pneumonia Caused by Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2006, 50, 2258-2260.	1.4	14
58	Evaluation of differential gene expression in susceptible and resistant clinical isolates of Klebsiella pneumoniae by DNA microarray analysis. Clinical Microbiology and Infection, 2006, 12, 936-940.	2.8	13
59	Pseudomonas aeruginosa adaptation in cystic fibrosis patients increases C5a levels and promotes neutrophil recruitment. Virulence, 2022, 13, 215-224.	1.8	13
60	Survey of emm -Like Gene Sequences from Pharyngeal Isolates of Group C and Group G Streptococci Collected in Spain. Journal of Clinical Microbiology, 2005, 43, 1433-1436.	1.8	12
61	Membrane cofactor protein (MCP, CD46) binding to clinical isolates of Streptococcus pyogenes: Binding to M type 18 strains is independent of Emm or Enn proteins. Molecular Immunology, 2007, 44, 3571-3579.	1.0	12
62	Chronic Respiratory Infections by Mucoid Carbapenemase-Producing Pseudomonas aeruginosa Strains, a New Potential Public Health Problem. Antimicrobial Agents and Chemotherapy, 2008, 52, 2285-2286.	1.4	12
63	A novel plasmid series for in vitro production of phoA translational fusions and its use in the construction of Escherichia coli PhoE: :PhoA hybrid proteins. Gene, 1994, 151, 125-130.	1.0	10
64	The Antimicrobials Anacardic Acid and Curcumin Are Not-Competitive Inhibitors of Gram-Positive Bacterial Pathogenic Glyceraldehyde-3-Phosphate Dehydrogenase by a Mechanism Unrelated to Human C5a Anaphylatoxin Binding. Frontiers in Microbiology, 2019, 10, 326.	1.5	10
65	Rapid decrease in the prevalence of macrolide-resistant group A streptococci due to the appearance of two epidemic clones in Cantabria (Spain). Journal of Antimicrobial Chemotherapy, 2007, 60, 450-452.	1.3	9
66	Bacterial lipopolysaccharide extraction in silica gel-containing tubes. Journal of Microbiological Methods, 1991, 14, 63-69.	0.7	7
67	New Method of DNA Isolation from Two Food Additives Suitable for Authentication in Polymerase Chain Reaction Assays. Journal of Agricultural and Food Chemistry, 2005, 53, 3345-3347.	2.4	7
68	Surfactant Protein A Blocks Recognition of Pseudomonas aeruginosa by CKAP4/P63 on Airway Epithelial Cells. Journal of Infectious Diseases, 2012, 206, 1753-1762.	1.9	7
69	Molecular Analysis of the Contribution of Alkaline Protease A and Elastase B to the Virulence of Pseudomonas aeruginosa Bloodstream Infections. Frontiers in Cellular and Infection Microbiology, 2021, 11, 816356.	1.8	7
70	Influence of environmental conditions on infection of Klebsiella pneumoniae by two different types of bacteriophages. Canadian Journal of Microbiology, 1991, 37, 270-275.	0.8	6
71	Trimethylation of Elongation Factor-Tu by the Dual Thermoregulated Methyltransferase EftM Does Not Impact Its Canonical Function in Translation. Scientific Reports, 2019, 9, 3553.	1.6	5
72	Determination of Legionella spp. prevalence in Spanish hotels in five years. Are tourists really at risk?. Travel Medicine and Infectious Disease, 2022, 46, 102269.	1.5	5

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73	Environmental surveillance of Legionella in tourist facilities of the Balearic Islands, Spain, 2006 to 2010 and 2015 to 2018. Eurosurveillance, 2022, 27, .	3.9	5
74	Evaluation of the ability of erythromycin-resistant and -susceptible pharyngeal group A Streptococcus isolates from Spain to enter and persist in human keratinocytes. Journal of Medical Microbiology, 2007, 56, 1485-1489.	0.7	4
75	Use of Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry Analysis of Serum Peptidome to Classify and Predict Coronavirus Disease 2019 Severity. Open Forum Infectious Diseases, 2021, 8, ofab222.	0.4	3
76	Regulation of Hyaluronic Acid Capsule Production by the has Operon Promoter in Group A Streptococci. Advances in Experimental Medicine and Biology, 1997, 418, 975-978.	0.8	1