Luis A Actis

List of Publications by Year
in descending order

89 papers	5,599 citations	87888 38 h-index	82547 72 g-index
93 all docs	93 docs citations	93 times ranked	4037 citing authors

#	Article	IF	Citations
1	Attachment to and biofilm formation on abiotic surfaces by Acinetobacter baumannii: involvement of a novel chaperone-usher pili assembly system. Microbiology (United Kingdom), 2003, 149, 3473-3484.	1.8	518
2	Acinetobacter baumannii: human infections, factors contributing to pathogenesis and animal models. FEMS Microbiology Reviews, 2013, 37, 130-155.	8.6	482
3	The Acinetobacter baumannii 19606 OmpA Protein Plays a Role in Biofilm Formation on Abiotic Surfaces and in the Interaction of This Pathogen with Eukaryotic Cells. Infection and Immunity, 2009, 77, 3150-3160.	2.2	417
4	Characterization of a two-component regulatory system from Acinetobacter baumannii that controls biofilm formation and cellular morphology. Microbiology (United Kingdom), 2008, 154, 3398-3409.	1.8	264
5	AB5075, a Highly Virulent Isolate of Acinetobacter baumannii, as a Model Strain for the Evaluation of Pathogenesis and Antimicrobial Treatments. MBio, 2014, 5, e01076-14.	4.1	258
6	Role of Acinetobactin-Mediated Iron Acquisition Functions in the Interaction of Acinetobacter baumannii Strain ATCC 19606 ^T with Human Lung Epithelial Cells, Galleria mellonella Caterpillars, and Mice. Infection and Immunity, 2012, 80, 1015-1024.	2.2	212
7	Multiple intensive care unit outbreak of Acinetobacter calcoaceticus subspecies anitratus respiratory infection and colonization associated with contaminated, reusable ventilator circuits and resuscitation bags. American Journal of Medicine, 1988, 85, 624-631.	1.5	198
8	The Opportunistic Human PathogenAcinetobacter baumanniiSenses and Responds to Light. Journal of Bacteriology, 2010, 192, 6336-6345.	2.2	189
9	Acinetobacter baumannii Strain M2 Produces Type IV Pili Which Play a Role in Natural Transformation and Twitching Motility but Not Surface-Associated Motility. MBio, 2013, 4, .	4.1	182
10	The siderophore-mediated iron acquisition systems of Acinetobacter baumannii ATCC 19606 and Vibrio anguillarum 775 are structurally and functionally related. Microbiology (United Kingdom), 2004, 150, 3657-3667.	1.8	136
11	Iron acquisition functions expressed by the human pathogen Acinetobacter baumannii. BioMetals, 2009, 22, 23-32.	4.1	135
12	CsuA/BABCDE-dependent pili are not involved in the adherence of Acinetobacter baumannii ATCC19606T to human airway epithelial cells and their inflammatory response. Research in Microbiology, 2009, 160, 213-218.	2.1	99
13	Genetic and Phenotypic Analysis of Acinetobacter baumannii Insertion Derivatives Generated with a Transposome System. Applied and Environmental Microbiology, 2002, 68, 6353-6360.	3.1	91
14	<scp>A</scp>cinetobacter strains carry two functional oligosaccharyltransferases, one devoted exclusively to type <scp>IV</scp> pilin, and the other one dedicated to <scp>O</scp>â€glycosylation of multiple proteins. Molecular Microbiology, 2015, 96, 1023-1041.	2.5	90
15	Deciphering the iron response in Acinetobacter baumannii: A proteomics approach. Journal of Proteomics, 2011, 74, 44-58.	2.4	88
16	Complete Sequence of Virulence Plasmid pJM1 from the Marine Fish Pathogen Vibrio anguillarum Strain 775. Journal of Bacteriology, 2003, 185, 5822-5830.	2.2	86
17	Complete Nucleotide Sequence of Klebsiella pneumoniae Multiresistance Plasmid pJHCMW1. Antimicrobial Agents and Chemotherapy, 2002, 46, 3422-3427.	3.2	85
18	The Acinetobacter baumannii entA Gene Located Outside the Acinetobactin Cluster Is Critical for Siderophore Production, Iron Acquisition and Virulence. PLoS ONE, 2012, 7, e36493.	2.5	83

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19	Extracellular stress and lipopolysaccharide modulate Acinetobacter baumannii surface-associated motility. Journal of Microbiology, 2012, 50, 434-443.	2.8	82
20	A regulatory gene, angR, of the iron uptake system of Vibrio anguillarum: similarity with phage P22 cro and regulation by iron. Gene, 1990, 86, 45-51.	2.2	77
21	Acinetobacter baumannii biofilms: Variations among strains and correlations with other cell properties. Journal of Microbiology, 2011, 49, 243-250.	2.8	77
22	Horizontal Gene Transfer and Assortative Recombination within the Acinetobacter baumannii Clinical Population Provide Genetic Diversity at the Single carO Gene, Encoding a Major Outer Membrane Protein Channel. Journal of Bacteriology, 2011, 193, 4736-4748.	2.2	76
23	Discovery and Characterization of New Hydroxamate Siderophores, Baumannoferrin A and B, produced by Acinetobacter baumannii. ChemBioChem, 2015, 16, 1896-1904.	2.6	73
24	Genetic organization of an Acinetobacter baumannii chromosomal region harbouring genes related to siderophore biosynthesis and transport. Microbiology (United Kingdom), 2003, 149, 1227-1238.	1.8	67
25	Iron-Regulated Phospholipase C Activity Contributes to the Cytolytic Activity and Virulence of Acinetobacter baumannii. PLoS ONE, 2016, 11, e0167068.	2.5	65
26	Functional Features of TonB Energy Transduction Systems of Acinetobacter baumannii. Infection and Immunity, 2013, 81, 3382-3394.	2.2	64
27	Effect of Ethanol on Differential Protein Production and Expression of Potential Virulence Functions in the Opportunistic Pathogen Acinetobacter baumannii. PLoS ONE, 2012, 7, e51936.	2.5	60
28	A histidine decarboxylase gene encoded by the Vibrio anguillarum plasmid pJM1 is essential for virulence: histamine is a precursor in the biosynthesis of anguibactin. Molecular Microbiology, 1995, 15, 87-95.	2.5	57
29	Characterization and regulation of the expression of FatB, an iron transport protein encoded by the pJM1 virulence plasmid. Molecular Microbiology, 1995, 17, 197-204.	2.5	52
30	Stress responses in the opportunistic pathogen Acinetobacter baumannii. Future Microbiology, 2013, 8, 353-365.	2.0	52
31	Analysis of the role of the LH92_11085 gene of a biofilm hyper-producingAcinetobacter baumanniistrain on biofilm formation and attachment to eukaryotic cells. Virulence, 2016, 7, 443-455.	4.4	52
32	Staring at the Cold Sun: Blue Light Regulation Is Distributed within the Genus Acinetobacter. PLoS ONE, 2013, 8, e55059.	2.5	49
33	A Light-Regulated Type I Pilus Contributes to Acinetobacter baumannii Biofilm, Motility, and Virulence Functions. Infection and Immunity, 2018, 86, .	2.2	49
34	Detection and Analysis of Iron Uptake Components Expressed by Acinetobacter baumannii Clinical Isolates. Journal of Clinical Microbiology, 2003, 41, 4188-4193.	3.9	48
35	Molecular cloning and expression of the Î²-hydroxysteroid dehydrogenase gene from Pseudomonas testosteroni. Gene, 1991, 105, 43-49.	2.2	47
36	The Structure of the Biofilm-controlling Response Regulator BfmR from Acinetobacter baumannii Reveals Details of Its DNA-binding Mechanism. Journal of Molecular Biology, 2018, 430, 806-821.	4.2	47

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37	Antimicrobial Activity of Gallium Protoporphyrin IX against Acinetobacter baumannii Strains Displaying Different Antibiotic Resistance Phenotypes. Antimicrobial Agents and Chemotherapy, 2015, 59, 7657-7665.	3.2	44
38	Sequence and organization of pMAC, an Acinetobacter baumannii plasmid harboring genes involved in organic peroxide resistance. Plasmid, 2006, 56, 112-123.	1.4	43
39	Contribution of the A. baumannii A1S_0114 Gene to the Interaction with Eukaryotic Cells and Virulence. Frontiers in Cellular and Infection Microbiology, 2017, 7, 108.	3.9	41
40	Klebsiella pneumoniae Multiresistance Plasmid pMET1: Similarity with the Yersinia pestis Plasmid pCRY and Integrative Conjugative Elements. PLoS ONE, 2008, 3, e1800.	2.5	39
41	Stress Response and Virulence Functions of the Acinetobacter baumannii NfuA Fe-S Scaffold Protein. Journal of Bacteriology, 2012, 194, 2884-2893.	2.2	39
42	Inhibition of AAC(6â€²)-Ib-Mediated Resistance to Amikacin in Acinetobacter baumannii by an Antisense Peptide-Conjugated 2â€²,4â€²-Bridged Nucleic Acid-NC-DNA Hybrid Oligomer. Antimicrobial Agents and Chemotherapy, 2015, 59, 5798-5803.	3.2	38
43	Mucin acts as a nutrient source and a signal for the differential expression of genes coding for cellular processes and virulence factors in Acinetobacter baumannii. PLoS ONE, 2018, 13, e0190599.	2.5	36
44	Plasmid-Mediated Histamine Biosynthesis in the Bacterial Fish PathogenVibrio anguillarum. Plasmid, 1998, 39, 235-244.	1.4	35
45	Expression of iron binding proteins and hemin binding activity in the dental pathogenActinobacillus actinomycetemcomitans. FEMS Microbiology Letters, 1998, 163, 135-142.	1.8	35
46	Genomic Analysis of the F3031 Brazilian Purpuric Fever Clone of Haemophilus influenzae Biogroup Aegyptius by PCR-Based Subtractive Hybridization. Infection and Immunity, 2002, 70, 2694-2699.	2.2	31
47	Iron acquisition in the dental pathogen Actinobacillus actinomycetemcomitans: What does it use as a source and how does it get this essential metal?. BioMetals, 2007, 20, 365-377.	4.1	30
48	Comparison of differential plating media and two chromatography techniques for the detection of histamine production in bacteria. Journal of Microbiological Methods, 1999, 39, 79-90.	1.6	29
49	Identification of Potential Virulence Factors in the Model Strain Acinetobacter baumannii A118. Frontiers in Microbiology, 2019, 10, 1599.	3.5	28
50	Genetic and Functional Analyses of the Actinobacillusactinomycetemcomitans AfeABCD Siderophore-Independent Iron Acquisition System. Infection and Immunity, 2005, 73, 3758-3763.	2.2	27
51	Evaluation of different iron sources and their influence in biofilm formation by the dental pathogen Actinobacillus actinomycetemcomitans. Journal of Medical Microbiology, 2007, 56, 119-128.	1.8	23
52	Draft Genome of the Multidrug-Resistant Acinetobacter baumannii Strain A155 Clinical Isolate. Genome Announcements, 2015, 3, .	0.8	21
53	Global assessment of small RNAs reveals a non-coding transcript involved in biofilm formation and attachment in Acinetobacter baumannii ATCC 17978. PLoS ONE, 2017, 12, e0182084.	2.5	19
54	Acinetobacter baumannii Regulates Its Stress Responses via the BfmRS Two-Component Regulatory System. Journal of Bacteriology, 2022, 204, JB0049421.	2.2	18

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55	The anguibactin biosynthesis and transport genes are encoded in the chromosome of V ibrio harveyi : a possible evolutionary origin for the p JM 1 plasmidâ€“encoded system of V ibrio anguillarum ?. MicrobiologyOpen, 2013, 2, 182-194.	3.0	17
56	Selectable Markers for Use in Genetic Manipulation of Extensively Drug-Resistant (XDR) Acinetobacter baumannii HUMC1. MSphere, 2017, 2, .	2.9	17
57	Modeling Acinetobacter baumannii wound infections. Journal of Trauma and Acute Care Surgery, 2017, 82, 557-565.	2.1	17
58	Human Pleural Fluid and Human Serum Albumin Modulate the Behavior of a Hypervirulent and Multidrug-Resistant (MDR) Acinetobacter baumannii Representative Strain. Pathogens, 2021, 10, 471.	2.8	17
59	Influence of iron on growth, production of sidero bore compounds, membrane proteins, and lipase activity in Acinetobacter calcoaceticus BD 413. Microbiological Research, 2001, 155, 263-269.	5.3	16
60	Analysis of the Replication Elements of the pMJ101 Plasmid from the Fish Pathogen Vibrio ordalii. Plasmid, 1999, 42, 20-30.	1.4	15
61	Cloning and Sequencing of a Genomic Island Found in the Brazilian Purpuric Fever Clone of Haemophilus influenzae Biogroup Aegyptius. Infection and Immunity, 2005, 73, 1927-1938.	2.2	15
62	Plasmid- and chromosome-encoded siderophore anguibactin systems found in marine vibrios: biosynthesis, transport and evolution. BioMetals, 2013, 26, 537-547.	4.1	15
63	Role of the Carboxy Terminus of SecA in Iron Acquisition, Protein Translocation, and Virulence of the Bacterial Pathogen Acinetobacter baumannii. Infection and Immunity, 2015, 83, 1354-1365.	2.2	13
64	Evaluation of the Antibacterial Activity of 75 Mushrooms Collected in the Vicinity of Oxford, Ohio (USA). International Journal of Medicinal Mushrooms, 2019, 21, 131-141.	1.5	13
65	Localization of the Replication Region of the pMJ101 Plasmid from Vibrio ordalii. Plasmid, 1994, 31, 242-250.	1.4	12
66	Adjunctive transferrin to reduce the emergence of antibiotic resistance in Gram-negative bacteria. Journal of Antimicrobial Chemotherapy, 2019, 74, 2631-2639.	3.0	12
67	Fluorescent sensors of siderophores produced by bacterial pathogens. Journal of Biological Chemistry, 2022, 298, 101651.	3.4	12
68	Draft Genome Sequences of Klebsiella pneumoniae Clinical Type Strain ATCC 13883 and Three Multidrug-Resistant Clinical Isolates. Genome Announcements, 2015, 3, .	0.8	11
69	An Update on the Acinetobacter baumannii Regulatory Circuitry. Trends in Microbiology, 2018, 26, 560-562.	7.7	11
70	Isolation and Characterization of the Acinetobactin and Baumannoferrin Siderophores Produced by Acinetobacter baumannii. Methods in Molecular Biology, 2019, 1946, 259-270.	0.9	9
71	Acinetobacter baumannii has two genes encoding glutathione-dependent formaldehyde dehydrogenase: evidence for differential regulation in response to iron This paper is dedicated to the memory of Dr M. A. Vides, Facultad de Ciencias QuÄ±micas, Universidad Nacional de CÃ³rdoba, Argentina, who was a great mentor and colleague. The GenBank accession number for the sequence reported in this paper is AF130307.. Microbiology (United Kingdom), 2001, 147, 2805-2815.	1.8	9
72	Acinetobacter baumannii response to cefiderocol challenge in human urine. Scientific Reports, 2022, 12, .	3.3	9

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73	Draft Genome Sequences of Acinetobacter baumannii Isolates from Wounded Military Personnel. Genome Announcements, 2016, 4, .	0.8	8
74	Human Serum Proteins and Susceptibility of Acinetobacter baumannii to Cefiderocol: Role of Iron Transport. Biomedicines, 2022, 10, 600.	3.2	8
75	Analysis of pVU3695, a plasmid encoding glutathione-dependent formaldehyde dehydrogenase activity and formaldehyde resistance in the Escherichia coli VU3695 clinical strain. Plasmid, 2004, 51, 116-126.	1.4	7
76	Structural and functional analysis of the Acinetobacter baumannii BlsA photoreceptor and regulatory protein. PLoS ONE, 2019, 14, e0220918.	2.5	7
77	Two Acinetobacter baumannii Isolates Obtained From a Fatal Necrotizing Fasciitis Infection Display Distinct Genomic and Phenotypic Characteristics in Comparison to Type Strains. Frontiers in Cellular and Infection Microbiology, 2021, 11, 635673.	3.9	7
78	Miltefosine Reduces the Cytolytic Activity and Virulence of Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	6
79	Apotransferrin in Combination with Ciprofloxacin Slows Bacterial Replication, Prevents Resistance Amplification, and Increases Antimicrobial Regimen Effect. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	5
80	Validation and deployment of a direct saliva real-time RT-PCR test on pooled samples for COVID-19 surveillance testing. PLoS ONE, 2021, 16, e0261956.	2.5	5
81	Insight into innovative approaches to battleAcinetobacter baumanniiinfection therapy struggles. Virulence, 2010, 1, 6-7.	4.4	4
82	AB569, a non-toxic combination of acidified nitrite and EDTA, is effective at killing the notorious Iraq/Afghanistan combat wound pathogens, multi-drug resistant Acinetobacter baumannii and Acinetobacter spp.. PLoS ONE, 2021, 16, e0247513.	2.5	4
83	The Biology and Pathogenicity of Vibrio anguillarum and Vibrio ordalii. , 0, , 249-265.		3
84	The Influence of Blue Light and the BlsA Photoreceptor on the Oxidative Stress Resistance Mechanisms of Acinetobacter baumannii. Frontiers in Cellular and Infection Microbiology, 2022, 12, 856953.	3.9	3
85	Draft Genome Sequences of Pseudomonas aeruginosa Isolates from Wounded Military Personnel. Genome Announcements, 2016, 4, .	0.8	2
86	Effect of Serum Albumin, a Component of Human Pleural Fluid, on Transcriptional and Phenotypic Changes on Acinetobacter baumannii A118. Current Microbiology, 2021, 78, 3829-3834.	2.2	2
87	Draft Genome Sequences of Two Acinetobacter baumannii Isolates from a Fatal Case of Necrotizing Fasciitis. Microbiology Resource Announcements, 2020, 9, .	0.6	1
88	Light Regulates Acinetobacter baumannii Chromosomal and pAB3 Plasmid Genes at 37Â°C. Journal of Bacteriology, 2022, 204, .	2.2	1
89	Draft Genome Sequences of Escherichia coli Isolates from Wounded Military Personnel. Genome Announcements, 2016, 4, .	0.8	0