

Maria Soledad Ramirez

List of Publications by Year in descending order

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103
papers

3,658
citations

186265

28
h-index

155660

55
g-index

118
all docs

118
docs citations

118
times ranked

3919
citing authors

#	ARTICLE	IF	CITATIONS
1	Aminoglycoside modifying enzymes. Drug Resistance Updates, 2010, 13, 151-171.	14.4	1,007
2	Amikacin: Uses, Resistance, and Prospects for Inhibition. Molecules, 2017, 22, 2267.	3.8	156
3	Rise and dissemination of aminoglycoside resistance: the aac(6â€²)-Ib paradigm. Frontiers in Microbiology, 2013, 4, 121.	3.5	133
4	Carbapenemases: Transforming Acinetobacter baumannii into a Yet More Dangerous Menace. Biomolecules, 2020, 10, 720.	4.0	124
5	Naturally Competent <i>Acinetobacter baumannii</i> Clinical Isolate as a Convenient Model for Genetic Studies. Journal of Clinical Microbiology, 2010, 48, 1488-1490.	3.9	95
6	Novel Insights about Class 2 Integrons from Experimental and Genomic Epidemiology. Antimicrobial Agents and Chemotherapy, 2010, 54, 699-706.	3.2	93
7	Plasmid-Mediated Antibiotic Resistance and Virulence in Gram-Negatives: the <i>Klebsiella pneumoniae</i> Paradigm. Microbiology Spectrum, 2014, 2, 1-15.	3.0	93
8	Whole-Genome Sequence Analysis of the Naturally Competent <i>Acinetobacter baumannii</i> Clinical Isolate A118. Genome Biology and Evolution, 2014, 6, 2235-2239.	2.5	85
9	Comparison of the Bruker MALDI-TOF Mass Spectrometry System and Conventional Phenotypic Methods for Identification of Gram-Positive Rods. PLoS ONE, 2014, 9, e106303.	2.5	77
10	<i>Acinetobacter baumannii</i> extensively drug resistant lineages in Buenos Aires hospitals differ from the international clones III. Infection, Genetics and Evolution, 2013, 14, 294-301.	2.3	74
11	Novel Rearrangement of a Class 2 Integron in Two Non-Epidemiologically Related Isolates of <i>Acinetobacter baumannii</i> . Antimicrobial Agents and Chemotherapy, 2005, 49, 5179-5181.	3.2	63
12	Serum Albumin and Ca ²⁺ Are Natural Competence Inducers in the Human Pathogen <i>Acinetobacter baumannii</i> . Antimicrobial Agents and Chemotherapy, 2016, 60, 4920-4929.	3.2	58
13	Spreading of AbaR-type Genomic Islands in Multidrug Resistance <i>Acinetobacter baumannii</i> Strains Belonging to Different Clonal Complexes. Current Microbiology, 2013, 67, 9-14.	2.2	53
14	Transposons and integrons in colistin-resistant clones of <i>Klebsiella pneumoniae</i> and <i>Acinetobacter baumannii</i> with epidemic or sporadic behaviour. Journal of Medical Microbiology, 2012, 61, 1417-1420.	1.8	52
15	Light Modulates Metabolic Pathways and Other Novel Physiological Traits in the Human Pathogen <i>Acinetobacter baumannii</i> . Journal of Bacteriology, 2017, 199, .	2.2	49
16	Genomic Analysis of <i>Acinetobacter baumannii</i> A118 by Comparison of Optical Maps: Identification of Structures Related to Its Susceptibility Phenotype. Antimicrobial Agents and Chemotherapy, 2011, 55, 1520-1526.	3.2	48
17	Class 2 Integron with a Novel Cassette Array in a <i>Burkholderia cenocepacia</i> Isolate. Antimicrobial Agents and Chemotherapy, 2005, 49, 4418-4420.	3.2	47
18	Human serum albumin alters specific genes that can play a role in survival and persistence in <i>Acinetobacter baumannii</i> . Scientific Reports, 2018, 8, 14741.	3.3	47

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19	White and blue light induce reduction in susceptibility to minocycline and tigecycline in <i>Acinetobacter</i> spp. and other bacteria of clinical importance. <i>Journal of Medical Microbiology</i> , 2015, 64, 525-537.	1.8	46
20	Polyclonal spread of blaOXA-23 and blaOXA-58 in <i>Acinetobacter baumannii</i> isolates from Argentina. <i>Journal of Infection in Developing Countries</i> , 2008, 2, 235-40.	1.2	45
21	Emergence and Spread of Plasmid-Borne <i>tet</i> (B)::IS _{CR2} in Minocycline-Resistant <i>Acinetobacter baumannii</i> Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 651-654.	3.2	44
22	Inhibition of Aminoglycoside 6-aminocapoyltransferase Type Ib by Zinc: Reversal of Amikacin Resistance in <i>Acinetobacter baumannii</i> and <i>Escherichia coli</i> by a Zinc Ionophore. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4238-4241.	3.2	43
23	<i>Achromobacter xylosoxidans</i> : An Emerging Pathogen Carrying Different Elements Involved in Horizontal Genetic Transfer. <i>Current Microbiology</i> , 2012, 65, 673-678.	2.2	41
24	More Than Just Light: Clinical Relevance of Light Perception in the Nosocomial Pathogen <i>Acinetobacter baumannii</i> and Other Members of the Genus <i>Acinetobacter</i> . <i>Photochemistry and Photobiology</i> , 2015, 91, 1291-1301.	2.5	38
25	Evaluation of matrix-assisted laser desorption ionization-time-of-flight mass spectrometry for species identification of Nonfermenting Gram-Negative Bacilli. <i>Journal of Microbiological Methods</i> , 2015, 112, 24-27.	1.6	37
26	The Genetic Analysis of an <i>Acinetobacter johnsonii</i> Clinical Strain Evidenced the Presence of Horizontal Genetic Transfer. <i>PLoS ONE</i> , 2016, 11, e0161528.	2.5	35
27	Inhibition of Aminoglycoside 6-N-Acetyltransferase Type Ib-Mediated Amikacin Resistance in <i>Klebsiella pneumoniae</i> by Zinc and Copper Pyrithione. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5851-5853.	3.2	34
28	Zinc: Multidimensional Effects on Living Organisms. <i>Biomedicines</i> , 2021, 9, 208.	3.2	33
29	Antimicrobial susceptibility of clinical isolates of <i>Actinomyces</i> and related genera reveals an unusual clindamycin resistance among <i>Actinomyces urogenitalis</i> strains. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 8, 115-120.	2.2	31
30	Human Pleural Fluid Elicits Pyruvate and Phenylalanine Metabolism in <i>Acinetobacter baumannii</i> to Enhance Cytotoxicity and Immune Evasion. <i>Frontiers in Microbiology</i> , 2019, 10, 1581.	3.5	30
31	Whole-Genome Comparative Analysis of Two Carbapenem-Resistant ST-258 <i>Klebsiella pneumoniae</i> Strains Isolated during a North-Eastern Ohio Outbreak: Differences within the High Heterogeneity Zones. <i>Genome Biology and Evolution</i> , 2016, 8, 2036-2043.	2.5	28
32	Genome sequence analysis of an extensively drug-resistant <i>Acinetobacter baumannii</i> indigo-pigmented strain depicts evidence of increase genome plasticity. <i>Scientific Reports</i> , 2018, 8, 16961.	3.3	28
33	Identification of Potential Virulence Factors in the Model Strain <i>Acinetobacter baumannii</i> A118. <i>Frontiers in Microbiology</i> , 2019, 10, 1599.	3.5	28
34	A Study on <i>Acinetobacter baumannii</i> and <i>Staphylococcus aureus</i> Strains Recovered from the Same Infection Site of a Diabetic Patient. <i>Current Microbiology</i> , 2019, 76, 842-847.	2.2	27
35	Human pleural fluid triggers global changes in the transcriptional landscape of <i>Acinetobacter baumannii</i> as an adaptive response to stress. <i>Scientific Reports</i> , 2019, 9, 17251.	3.3	27
36	Functional characterization of Tn1331 gene cassettes. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 669-673.	3.0	26

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37	Distinct Mechanisms of Dissemination of NDM-1 Metallo-β-Lactamase in <i>Acinetobacter</i> Species in Argentina. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	25
38	Diversity of <i>Achromobacter</i> species recovered from patients with cystic fibrosis, in Argentina. <i>Revista Argentina De Microbiologia</i> , 2020, 52, 13-18.	0.7	24
39	Small <i>Klebsiella pneumoniae</i> Plasmids: Neglected Contributors to Antibiotic Resistance. <i>Frontiers in Microbiology</i> , 2019, 10, 2182.	3.5	23
40	Outbreak of Extensively Drug-Resistant <i>Acinetobacter baumannii</i> Indigo-Pigmented Strains. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3726-3730.	3.9	21
41	Draft Genome of the Multidrug-Resistant <i>Acinetobacter baumannii</i> Strain A155 Clinical Isolate. <i>Genome Announcements</i> , 2015, 3, .	0.8	21
42	Effect of Host Human Products on Natural Transformation in <i>Acinetobacter baumannii</i> . <i>Current Microbiology</i> , 2019, 76, 950-953.	2.2	21
43	Comparison between disk diffusion and agar dilution methods to determine in vitro susceptibility of <i>Corynebacterium</i> spp. clinical isolates and update of their susceptibility. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 14, 246-252.	2.2	20
44	Human fluids alter DNA-acquisition in <i>Acinetobacter baumannii</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 183-187.	1.8	20
45	Functional Analysis of the <i>Acinetobacter baumannii</i> XerC and XerD Site-Specific Recombinases: Potential Role in Dissemination of Resistance Genes. <i>Antibiotics</i> , 2020, 9, 405.	3.7	19
46	<i>Acinetobacter baumannii</i> is Able to Gain and Maintain a Plasmid Harboring In35 Found in Enterobacteriaceae Isolates From Argentina. <i>Current Microbiology</i> , 2012, 64, 211-213.	2.2	18
47	Restoration of susceptibility to amikacin by 8-hydroxyquinoline analogs complexed to zinc. <i>PLoS ONE</i> , 2019, 14, e0217602.	2.5	18
48	Human Pleural Fluid and Human Serum Albumin Modulate the Behavior of a Hypervirulent and Multidrug-Resistant (MDR) <i>Acinetobacter baumannii</i> Representative Strain. <i>Pathogens</i> , 2021, 10, 471.	2.8	17
49	Reservoir of Antimicrobial Resistance Determinants Associated with Horizontal Gene Transfer in Clinical Isolates of the Genus <i>Shewanella</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4516-4517.	3.2	16
50	The effect of sub-inhibitory concentrations of antibiotics on natural transformation in <i>Acinetobacter baumannii</i> . <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 809-810.	2.5	16
51	Crucial Role of the Accessory Genome in the Evolutionary Trajectory of <i>Acinetobacter baumannii</i> Global Clone 1. <i>Frontiers in Microbiology</i> , 2020, 11, 342.	3.5	16
52	Light Modulates Important Pathogenic Determinants and Virulence in ESKAPE Pathogens <i>Acinetobacter baumannii</i> , <i>Pseudomonas aeruginosa</i> , and <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	2.2	16
53	Cerebrospinal fluid (CSF) augments metabolism and virulence expression factors in <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2021, 11, 4737.	3.3	16
54	OXA-258 from <i>Achromobacter ruhlandii</i> : a Species-Specific Marker. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1602-1605.	3.9	14

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55	Clinical cases of VIM-producing <i>Pseudomonas mendocina</i> from two burned patients. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 14, 273-274.	2.2	14
56	Interspecies DNA acquisition by a naturally competent <i>Acinetobacter baumannii</i> strain. <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 483-490.	2.5	14
57	An <i>Acinetobacter non-baumannii</i> Population Study: Antimicrobial Resistance Genes (ARGs). <i>Antibiotics</i> , 2021, 10, 16.	3.7	14
58	Genome Sequences of Two <i>Klebsiella pneumoniae</i> Isolates from Different Geographical Regions, Argentina (Strain JHCK1) and the United States (Strain VA360). <i>Genome Announcements</i> , 2013, 1, .	0.8	13
59	A Taxonomically Unique <i>Acinetobacter</i> Strain with Proteolytic and Hemolytic Activities Recovered from a Patient with a Soft Tissue Injury. <i>Journal of Clinical Microbiology</i> , 2015, 53, 349-351.	3.9	13
60	Silencing Antibiotic Resistance with Antisense Oligonucleotides. <i>Biomedicines</i> , 2021, 9, 416.	3.2	13
61	Increasing frequency of class 1 and 2 integrons in multidrug-resistant clones of <i>Acinetobacter baumannii</i> reveals the need for continuous molecular surveillance. <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 175-177.	2.5	11
62	Class 2 Integrons Dissemination Among Multidrug Resistance (MDR) Clones of <i>Acinetobacter baumannii</i> . <i>Current Microbiology</i> , 2012, 64, 290-293.	2.2	11
63	Presence of OXA-Type Enzymes in <i>Achromobacter insuavis</i> and <i>A. dolens</i> . <i>Current Microbiology</i> , 2014, 69, 501-506.	2.2	11
64	Draft Genome Sequence of a Taxonomically Unique <i>Acinetobacter</i> Clinical Strain with Proteolytic and Hemolytic Activities. <i>Genome Announcements</i> , 2015, 3, .	0.8	10
65	Genetic analysis of a PER-2-producing <i>Shewanella</i> sp. strain harbouring a variety of mobile genetic elements and antibiotic resistance determinants. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 11, 81-86.	2.2	10
66	The H-NS Regulator Plays a Role in the Stress Induced by Carbapenemase Expression in <i>Acinetobacter baumannii</i> . <i>MSphere</i> , 2020, 5, .	2.9	10
67	Interplay between Meropenem and Human Serum Albumin on Expression of Carbapenem Resistance Genes and Natural Competence in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0101921.	3.2	10
68	Matrix-assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry (MALDI-TOF MS) as a Reliable Tool to Identify Species of Catalase-negative Gram-positive Cocci not Belonging to the <i>Streptococcus</i> Genus. <i>Open Microbiology Journal</i> , 2016, 10, 202-208.	0.7	9
69	Characterisation of ST25 NDM-1-producing <i>Acinetobacter</i> spp. strains leading the increase in NDM-1 emergence in Argentina. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 23, 108-110.	2.2	9
70	Aminoglycoside 6â€™-N-acetyltransferase Type Ib [AAC(6â€™)-Ib]-Mediated Aminoglycoside Resistance: Phenotypic Conversion to Susceptibility by Silver Ions. <i>Antibiotics</i> , 2021, 10, 29.	3.7	9
71	<i>Acinetobacter baumannii</i> response to cefiderocol challenge in human urine. <i>Scientific Reports</i> , 2022, 12, .	3.3	9
72	Draft Genome Sequence of <i>Empedobacter</i> (Formerly <i>Wautersiella</i>) <i>falsenii</i> comb. nov. Wf282, a Strain Isolated from a Cervical Neck Abscess. <i>Genome Announcements</i> , 2015, 3, .	0.8	8

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73	Histone-like nucleoid-structuring protein (H-NS) regulatory role in antibiotic resistance in <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2021, 11, 18414.	3.3	8
74	Human Serum Proteins and Susceptibility of <i>Acinetobacter baumannii</i> to Cefiderocol: Role of Iron Transport. <i>Biomedicines</i> , 2022, 10, 600.	3.2	8
75	Distribution of Allelic Variants of the Chromosomal Gene bla OXA-114-like in <i>Achromobacter xylooxidans</i> Clinical Isolates. <i>Current Microbiology</i> , 2013, 67, 596-600.	2.2	7
76	Draft Genome Sequence of an International Clonal Lineage 1 <i>Acinetobacter baumannii</i> Strain from Argentina. <i>Genome Announcements</i> , 2014, 2, .	0.8	7
77	Characterisation of OXA-258 enzymes and AxyABM efflux pump in <i>Achromobacter ruhlandii</i> . <i>Journal of Global Antimicrobial Resistance</i> , 2018, 14, 233-237.	2.2	7
78	Genomics helps to decipher the resistance mechanisms present in a <i>Pseudomonas chlororaphis</i> strain recovered in an HIV patient. <i>New Microbes and New Infections</i> , 2018, 25, 45-47.	1.6	7
79	Characterization of the genetic structure of mcr-1 gene among <i>Escherichia coli</i> isolates recovered from surface waters and sediments from Ecuador. <i>Science of the Total Environment</i> , 2022, 806, 150566.	8.0	7
80	Bacteremia caused by an <i>Acinetobacter junii</i> strain harboring class 1 integron and diverse DNA mobile elements. <i>Journal of Infection in Developing Countries</i> , 2014, 8, 666-669.	1.2	6
81	Draft Genome Sequence of an Extensively Drug-Resistant <i>Acinetobacter baumannii</i> Indigo-Pigmented Strain. <i>Genome Announcements</i> , 2014, 2, .	0.8	6
82	Whole-Genome Analysis of an Extensively Drug-Resistance <i>Empedobacter falsenii</i> Strain Reveals Distinct Features and the Presence of a Novel Metallo- β -Lactamase (EBR-2). <i>Current Microbiology</i> , 2018, 75, 1084-1089.	2.2	6
83	Genomic analysis of two <i>Acinetobacter baumannii</i> strains belonging to two different sequence types (ST172 and ST25). <i>Journal of Global Antimicrobial Resistance</i> , 2020, 23, 154-161.	2.2	6
84	A New Twist: The Combination of Sulbactam/Avibactam Enhances Sulbactam Activity against Carbapenem-Resistant <i>Acinetobacter baumannii</i> (CRAB) Isolates. <i>Antibiotics</i> , 2021, 10, 577.	3.7	6
85	Genomic Analysis of two NDM-1 <i>Providencia stuartii</i> Strains Recovered from a Single Patient. <i>Current Microbiology</i> , 2020, 77, 4029-4036.	2.2	5
86	Interaction of <i>Acinetobacter baumannii</i> with Human Serum Albumin: Does the Host Determine the Outcome?. <i>Antibiotics</i> , 2021, 10, 833.	3.7	5
87	Genetic and Phenotypic Features of a Novel <i>Acinetobacter</i> Species, Strain A47, Isolated From the Clinical Setting. <i>Frontiers in Microbiology</i> , 2019, 10, 1375.	3.5	4
88	Involvement of the Histone-Like Nucleoid Structuring Protein (H-NS) in <i>Acinetobacter baumannii</i> Natural Transformation. <i>Pathogens</i> , 2021, 10, 1083.	2.8	4
89	Amikacin in combination with zinc pyrithione prevents growth of a multidrug-resistant carbapenem-resistant <i>Klebsiella pneumoniae</i> isolate. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106442.	2.5	4
90	<i>Staphylococcus aureus</i> β -Toxin Effect on <i>Acinetobacter baumannii</i> Behavior. <i>Biology</i> , 2022, 11, 570.	2.8	4

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91	Whole-genome analysis and description of an outbreak due to carbapenem-resistant <i>Ochrobactrum anthropi</i> causing pseudo-bacteraemias. <i>New Microbes and New Infections</i> , 2018, 26, 100-106.	1.6	3
92	ICE SXT vs. ICESh95: Co-existence of Integrative and Conjugative Elements and Competition for a New Host. <i>Scientific Reports</i> , 2019, 9, 8045.	3.3	3
93	<i>Staphylococcus aureus</i> Potentiates the Hemolytic Activity of <i>Burkholderia cepacia</i> Complex (Bcc) Bacteria. <i>Current Microbiology</i> , 2021, 78, 1864-1870.	2.2	3
94	Disruption of <i>hmgA</i> by DNA Duplication is Responsible for Hyperpigmentation in a <i>Vibrio anguillarum</i> Strain. <i>Scientific Reports</i> , 2019, 9, 14589.	3.3	2
95	Whole Genome Sequence Analysis of <i>Burkholderia contaminans</i> FFH2055 Strain Reveals the Presence of Putative β -Lactamases. <i>Current Microbiology</i> , 2019, 76, 485-494.	2.2	2
96	Effect of Serum Albumin, a Component of Human Pleural Fluid, on Transcriptional and Phenotypic Changes on <i>Acinetobacter baumannii</i> A118. <i>Current Microbiology</i> , 2021, 78, 3829-3834.	2.2	2
97	ISCR2 and IS26: Two Insertion Sequences Highly Dispersed among <i>Acinetobacter</i> spp. Clinical Strains. <i>Journal of Bacteriology & Mycology Open Access</i> , 2017, 4, .	0.2	2
98	Amikacin potentiator activity of zinc complexed to a pyrithione derivative with enhanced solubility. <i>Scientific Reports</i> , 2022, 12, 285.	3.3	2
99	Zidebactam restores sulbactam susceptibility against carbapenem-resistant <i>Acinetobacter baumannii</i> isolates. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	2
100	Inhibition of Aminoglycoside 6â€²-N-acetyltransferase Type Ib (AAC(6â€²)-Ib): Structureâ€“Activity Relationship of Substituted Pyrrolidine Pentamine Derivatives as Inhibitors. <i>Biomedicines</i> , 2021, 9, 1218.	3.2	1
101	Full characterization of plasmids from <i>Achromobacter ruhlandii</i> isolates recovered from a single patient with cystic fibrosis (CF). <i>Revista Argentina De Microbiologia</i> , 2021, , .	0.7	0
102	Plasmid-Mediated Antibiotic Resistance and Virulence in Gram-Negatives: The <i>Klebsiella pneumoniae</i> Paradigm. , 0, , 459-474.		0
103	Analysis of class 2 integrons as a marker for multidrug resistance among Gram negative bacilli. <i>AIMS Genetics</i> , 2016, 03, 196-204.	1.9	0