

MarÃ-a Mar TomÃ;s

List of Publications by Year in descending order

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90
papers

4,657
citations

94433

37
h-index

106344

65
g-index

104
all docs

104
docs citations

104
times ranked

6038
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Anti-Acinetobacter baumannii Biofilm Phage Cocktail: Genomic Adaptation to the Host. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0192321.	3.2	12
2	NDM-1 carbapenemase resistance gene vehicles emergent on distinct plasmid backbones from the IncL/M family. Journal of Antimicrobial Chemotherapy, 2022, 77, 620-624.	3.0	6
3	Adaptation of clinical isolates of <i>Klebsiella pneumoniae</i> to the combination of niclosamide with the efflux pump inhibitor phenyl-arginine-l ² -naphthylamide (Pal ² N): co-resistance to antimicrobials. Journal of Antimicrobial Chemotherapy, 2022, 77, 1272-1281.	3.0	8
4	The role of PemK (PemK/PemI) type II TA system from <i>Klebsiella pneumoniae</i> clinical strains in lytic phage infection. Scientific Reports, 2022, 12, 4488.	3.3	17
5	Essential Topics for the Regulatory Consideration of Phages as Clinically Valuable Therapeutic Agents: A Perspective from Spain. Microorganisms, 2022, 10, 717.	3.6	12
6	Phenotypic and Genomic Comparison of <i>Klebsiella pneumoniae</i> Lytic Phages: vB_KpnM-VAC66 and vB_KpnM-VAC13. Viruses, 2022, 14, 6.	3.3	13
7	Blue light directly modulates the quorum network in the human pathogen <i>Acinetobacter baumannii</i> . Scientific Reports, 2021, 11, 13375.	3.3	4
8	CRISPR-Cas, a Revolution in the Treatment and Study of ESKAPE Infections: Pre-Clinical Studies. Antibiotics, 2021, 10, 756.	3.7	10
9	Editorial: Molecular Mechanisms of Bacterial Clinical Pathogens Tolerance and Persistence Under Stress Conditions: Tolerant and Persister Cells. Frontiers in Microbiology, 2021, 12, 705092.	3.5	1
10	Enhanced Antibacterial Activity of Repurposed Mitomycin C and Imipenem in Combination with the Lytic Phage vB_KpnM-VAC13 against Clinical Isolates of <i>Klebsiella pneumoniae</i> . Antimicrobial Agents and Chemotherapy, 2021, 65, e0090021.	3.2	20
11	Genomic Analysis of Molecular Bacterial Mechanisms of Resistance to Phage Infection. Frontiers in Microbiology, 2021, 12, 784949.	3.5	13
12	Analysis of Complete Genome Sequence of <i>Acinetobacter baumannii</i> Strain ATCC 19606 Reveals Novel Mobile Genetic Elements and Novel Prophage. Microorganisms, 2020, 8, 1851.	3.6	15
13	(p)ppGpp and Its Role in Bacterial Persistence: New Challenges. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	62
14	Temperate Bacteriophages (Prophages) in <i>Pseudomonas aeruginosa</i> Isolates Belonging to the International Cystic Fibrosis Clone (CC274). Frontiers in Microbiology, 2020, 11, 556706.	3.5	18
15	Presence of bacterial DNA in thrombotic material of patients with myocardial infarction. Scientific Reports, 2020, 10, 16299.	3.3	7
16	Viral Related Tools against SARS-CoV-2. Viruses, 2020, 12, 1172.	3.3	3
17	Mechanisms of Tolerance and Resistance to Chlorhexidine in Clinical Strains of <i>Klebsiella pneumoniae</i> Producers of Carbapenemase: Role of New Type II Toxin-Antitoxin System, PemK. Toxins, 2020, 12, 566.	3.4	15
18	Strategies to Combat Multidrug-Resistant and Persistent Infectious Diseases. Antibiotics, 2020, 9, 65.	3.7	104

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19	In vitro and in vivo efficacy of combinations of colistin and different endolysins against clinical strains of multi-drug resistant pathogens. <i>Scientific Reports</i> , 2020, 10, 7163.	3.3	54
20	Genomic analysis of 40 prophages located in the genomes of 16 carbapenemase-producing clinical strains of <i>Klebsiella pneumoniae</i> . <i>Microbial Genomics</i> , 2020, 6, .	2.0	21
21	Quorum and Light Signals Modulate Acetoin/Butanediol Catabolism in <i>Acinetobacter</i> spp.. <i>Frontiers in Microbiology</i> , 2019, 10, 1376.	3.5	14
22	Toxins of toxin/antitoxin systems are inactivated primarily through promoter mutations. <i>Journal of Applied Microbiology</i> , 2019, 127, 1859-1868.	3.1	7
23	Multiplex Real-Time PCR-short TUB Assay for Detection of the <i>Mycobacterium tuberculosis</i> Complex in Smear-Negative Clinical Samples with Low Mycobacterial Loads. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	1
24	Relationship Between Quorum Sensing and Secretion Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 1100.	3.5	176
25	Editorial: Quorum Network (Sensing/Quenching) in Multidrug-Resistant Pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 80.	3.9	8
26	Reporting identification of <i>Acinetobacter</i> spp genomic species: A nationwide proficiency study in Spain. <i>Enfermedades Infecciosas Y Microbiologia Clínica (English Ed)</i> , 2019, 37, 89-92.	0.3	0
27	Combined Use of the Ab105-2 \uparrow CI Lytic Mutant Phage and Different Antibiotics in Clinical Isolates of Multi-Resistant <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2019, 7, 556.	3.6	33
28	Editorial: Drug Re-purposing for the Treatment of Bacterial and Viral Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 387.	3.9	1
29	Reporting identification of <i>Acinetobacter</i> spp genomic species: A nationwide proficiency study in Spain. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2019, 37, 89-92.	0.5	0
30	Relationship between Tolerance and Persistence Mechanisms in <i>Acinetobacter baumannii</i> Strains with AbkAB Toxin-Antitoxin System. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	18
31	Reporting antimicrobial susceptibilities and resistance phenotypes in <i>Acinetobacter</i> spp: a nationwide proficiency study. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 692-697.	3.0	13
32	Evolution of the Quorum network and the mobilome (plasmids and bacteriophages) in clinical strains of <i>Acinetobacter baumannii</i> during a decade. <i>Scientific Reports</i> , 2018, 8, 2523.	3.3	28
33	Quorum Sensing Systems and Persistence. , 2018, , 17-27.		0
34	Relationship Between the Quorum Network (Sensing/Quenching) and Clinical Features of Pneumonia and Bacteraemia Caused by <i>A. baumannii</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3105.	3.5	14
35	Multiple Quorum Quenching Enzymes Are Active in the Nosocomial Pathogen <i>Acinetobacter baumannii</i> ATCC17978. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 310.	3.9	55
36	Mechanisms of Bacterial Tolerance and Persistence in the Gastrointestinal and Respiratory Environments. <i>Clinical Microbiology Reviews</i> , 2018, 31, .	13.6	118

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37	Pyocyanin Restricts Social Cheating in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1348.	3.5	59
38	Overproduction of outer membrane protein A (OmpA) by <i>Acinetobacter baumannii</i> is a risk factor for nosocomial pneumonia, bacteremia and mortality increase.. <i>Journal of Infectious Diseases</i> , 2017, 215, jix010.	4.0	42
39	Response to Bile Salts in Clinical Strains of <i>Acinetobacter baumannii</i> Lacking the AdeABC Efflux Pump: Virulence Associated with Quorum Sensing. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 143.	3.9	40
40	Quantification by qPCR of Pathobionts in Chronic Periodontitis: Development of Predictive Models of Disease Severity at Site-Specific Level. <i>Frontiers in Microbiology</i> , 2017, 8, 1443.	3.5	20
41	Quorum sensing network in clinical strains of <i>A. baumannii</i> : AidA is a new quorum quenching enzyme. <i>PLoS ONE</i> , 2017, 12, e0174454.	2.5	54
42	Exploiting Quorum Sensing Inhibition for the Control of <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> Biofilms. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1915-1927.	2.1	30
43	Exploiting Quorum Sensing Inhibition for the Control of <i>Pseudomonas Aeruginosa</i> and <i>Acinetobacter Baumannii</i> Biofilms. <i>Current Topics in Medicinal Chemistry</i> , 2017, , .	2.1	2
44	Toxin-Antitoxin Systems in Clinical Pathogens. <i>Toxins</i> , 2016, 8, 227.	3.4	105
45	Genome Sequence of Airborne <i>Acinetobacter</i> sp. Strain 5-2Ac02 in the Hospital Environment, Close to the Species of <i>Acinetobacter towneri</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	4
46	Genome Sequence of a Clinical Strain of <i>Acinetobacter baumannii</i> Belonging to the ST79/PFGE-HUI-1 Clone Lacking the AdeABC (Resistance-Nodulation-Cell Division-Type) Efflux Pump. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
47	Genomic Evolution of Two <i>Acinetobacter baumannii</i> Clinical Strains from ST-2 Clones Isolated in 2000 and 2010 (ST-2_clon_2000 and ST-2_clon_2010). <i>Genome Announcements</i> , 2016, 4, .	0.8	6
48	<i>Acinetobacter baumannii</i> in critically ill patients: Molecular epidemiology, clinical features and predictors of mortality. <i>Enfermedades Infecciosas Y MicrobiologÃa ClÃnica</i> , 2016, 34, 551-558.	0.5	23
49	Use of the cobas 4800 system for the rapid detection of toxigenic <i>Clostridium difficile</i> and methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Microbiological Methods</i> , 2016, 120, 50-52.	1.6	6
50	Role of quorum sensing in bacterial infections. <i>World Journal of Clinical Cases</i> , 2015, 3, 575.	0.8	168
51	Draft Genome Sequence of the Biofilm-Hyperproducing <i>Acinetobacter baumannii</i> Clinical Strain MAR002. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
52	Diagnosis and antimicrobial treatment of invasive infections due to multidrug-resistant Enterobacteriaceae. Guidelines of the Spanish Society of Infectious Diseases and Clinical Microbiology. <i>Enfermedades Infecciosas Y MicrobiologÃa ClÃnica</i> , 2015, 33, 337.e1-337.e21.	0.5	29
53	Executive summary of the diagnosis and antimicrobial treatment of invasive infections due to multidrug-resistant Enterobacteriaceae. Guidelines of the Spanish Society of Infectious Diseases and Clinical Microbiology (SEIMC). <i>Enfermedades Infecciosas Y MicrobiologÃa ClÃnica</i> , 2015, 33, 338-341.	0.5	23
54	Reduced susceptibility to biocides in <i>Acinetobacter baumannii</i> : association with resistance to antimicrobials, epidemiological behaviour, biological cost and effect on the expression of genes encoding porins and efflux pumps. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 3222-3229.	3.0	65

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55	Quantitative proteomic analysis of host-pathogen interactions: a study of <i>Acinetobacter baumannii</i> responses to host airways. <i>BMC Genomics</i> , 2015, 16, 422.	2.8	42
56	Molecular Mechanisms Involved in the Response to Desiccation Stress and Persistence in <i>Acinetobacter baumannii</i> . <i>Journal of Proteome Research</i> , 2014, 13, 460-476.	3.7	90
57	Characterization of plasmids carrying the blaOXA-24/40 carbapenemase gene and the genes encoding the AbkA/AbkB proteins of a toxin/antitoxin system*. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2629-2633.	3.0	43
58	The <i>Acinetobacter baumannii</i> Omp33-36 Porin Is a Virulence Factor That Induces Apoptosis and Modulates Autophagy in Human Cells. <i>Infection and Immunity</i> , 2014, 82, 4666-4680.	2.2	105
59	Monotherapy versus combination therapy for sepsis due to multidrug-resistant <i>Acinetobacter baumannii</i> : analysis of a multicentre prospective cohort. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3119-3126.	3.0	81
60	Epidemiologic and Clinical Impact of <i>Acinetobacter baumannii</i> Colonization and Infection. <i>Medicine (United States)</i> , 2014, 93, 202-210.	1.0	53
61	Patents on antivirulence therapies. <i>World Journal of Pharmacology</i> , 2014, 3, 97.	2.3	3
62	Antimicrobial Resistance and Virulence: a Successful or Deleterious Association in the Bacterial World?. <i>Clinical Microbiology Reviews</i> , 2013, 26, 185-230.	13.6	775
63	Contribution of Efflux Pumps, Porins, and β -Lactamases to Multidrug Resistance in Clinical Isolates of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5247-5257.	3.2	170
64	First Report of an OXA-23 Carbapenemase-Producing <i>Acinetobacter baumannii</i> Clinical Isolate Related to Tn2006 in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 589-591.	3.2	23
65	Whole Transcriptome Analysis of <i>Acinetobacter baumannii</i> Assessed by RNA-Sequencing Reveals Different mRNA Expression Profiles in Biofilm Compared to Planktonic Cells. <i>PLoS ONE</i> , 2013, 8, e72968.	2.5	127
66	Expression of OXA-Type and SFO-1 β -Lactamases Induces Changes in Peptidoglycan Composition and Affects Bacterial Fitness. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1877-1884.	3.2	45
67	Fast Assessment of Resistance to Carbapenems and Ciprofloxacin of Clinical Strains of <i>Acinetobacter baumannii</i> . <i>Journal of Clinical Microbiology</i> , 2012, 50, 3609-3613.	3.9	19
68	Effect of Transcriptional Activators SoxS, RobA, and RamA on Expression of Multidrug Efflux Pump AcrAB-TolC in <i>Enterobacter cloacae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6256-6266.	3.2	63
69	Extracellular Proteome of a Highly Invasive Multidrug-resistant Clinical Strain of <i>Acinetobacter baumannii</i> . <i>Journal of Proteome Research</i> , 2012, 11, 5678-5694.	3.7	48
70	Quorum quenching quandary: resistance to antivirulence compounds. <i>ISME Journal</i> , 2012, 6, 493-501.	9.8	254
71	Exploring Bacterial Diversity in Hospital Environments by GS-FLX Titanium Pyrosequencing. <i>PLoS ONE</i> , 2012, 7, e44105.	2.5	52
72	Efflux Pumps, OprD Porin, AmpC β -Lactamase, and Multiresistance in <i>Pseudomonas aeruginosa</i> Isolates from Cystic Fibrosis Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2219-2224.	3.2	130

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73	Development of a kinetic model for elemental sulfur and sulfate formation from the autotrophic sulfide oxidation using respirometric techniques. <i>Water Science and Technology</i> , 2009, 59, 1323-1329.	2.5	16
74	Effect of a neutralising agent on the evaluation of the antimicrobial activity of chlorhexidine on the bacterial salivary flora. <i>Archives of Oral Biology</i> , 2008, 53, 981-984.	1.8	3
75	In vivo bactericidal effect of 0.2% chlorhexidine but not 0.12% on salivary obligate anaerobes. <i>Archives of Oral Biology</i> , 2008, 53, 1186-1191.	1.8	26
76	Detection of <i>Pseudomonas aeruginosa</i> isolates producing VEB-type extended-spectrum β -lactamases in the United Kingdom. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 1265-1268.	3.0	62
77	Cloning, Nucleotide Sequencing, and Analysis of the AcrAB-TolC Efflux Pump of <i>Enterobacter cloacae</i> and Determination of Its Involvement in Antibiotic Resistance in a Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3247-3253.	3.2	54
78	Molecular characterization of the gene encoding a new AmpC β -lactamase in <i>Acinetobacter baylyi</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 996-1000.	3.0	22
79	Interspecies spread of CTX-M-32 extended-spectrum β -lactamase and the role of the insertion sequence IS1 in down-regulating blaCTX-M gene expression. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 841-847.	3.0	28
80	Effect of a Chlorhexidine Mouthwash on the Risk of Postextraction Bacteremia. <i>Infection Control and Hospital Epidemiology</i> , 2007, 28, 577-582.	1.8	51
81	Susceptibility of oral obligate anaerobes to telithromycin, moxifloxacin and a number of commonly used antibacterials. <i>Oral Microbiology and Immunology</i> , 2007, 22, 298-303.	2.8	15
82	Hospital outbreak caused by a carbapenem-resistant strain of <i>Acinetobacter baumannii</i> : patient prognosis and risk-factors for colonisation and infection. <i>Clinical Microbiology and Infection</i> , 2005, 11, 540-546.	6.0	127
83	In vitro activity of telithromycin against <i>mefA</i> and <i>ermB</i> erythromycin-resistant viridans streptococci isolated from bacteremia of oral origin in Spain. <i>Oral Microbiology and Immunology</i> , 2005, 20, 35-38.	2.8	7
84	<i>Williamsia muralis</i> Pulmonary Infection. <i>Emerging Infectious Diseases</i> , 2005, 11, 1324-1325.	4.3	15
85	Evaluation of different methods for detecting methicillin (oxacillin) resistance in <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 379-382.	3.0	135
86	Cloning and Functional Analysis of the Gene Encoding the 33- to 36-Kilodalton Outer Membrane Protein Associated with Carbapenem Resistance in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 5172-5175.	3.2	96
87	Risk Factors for Colonization and Infection in a Hospital Outbreak Caused by a Strain of <i>Klebsiella pneumoniae</i> with Reduced Susceptibility to Expanded-Spectrum Cephalosporins. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4242-4249.	3.9	44
88	High-Level Resistance to Ceftazidime Conferred by a Novel Enzyme, CTX-M-32, Derived from CTX-M-1 through a Single Asp240-Gly Substitution. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2308-2313.	3.2	78
89	Identification and Broad Dissemination of the CTX-M-14 β -Lactamase in Different <i>Escherichia coli</i> Strains in the Northwest Area of Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4030-4036.	3.9	97
90	ighting antimicrobial resistance in ESKAPE pathogens. , 0, , 1-18.		2