

# MarÃ-a Mar TomÃ;s

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9336473/publications.pdf>

Version: 2024-02-01

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	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
2	Quorum quenching quandary: resistance to antivirulence compounds. <i>ISME Journal</i> , 2012, 6, 493-501.	9.8	254
3	Relationship Between Quorum Sensing and Secretion Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 1100.	3.5	176
4	Contribution of Efflux Pumps, Porins, and $\beta$ -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
5	Role of quorum sensing in bacterial infections. <i>World Journal of Clinical Cases</i> , 2015, 3, 575.	0.8	168
6	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
7	Efflux Pumps, OprD Porin, AmpC $\beta$ -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
8	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
9	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
10	Mechanisms of Bacterial Tolerance and Persistence in the Gastrointestinal and Respiratory Environments. <i>Clinical Microbiology Reviews</i> , 2018, 31, .	13.6	118
11	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
12	Toxin-Antitoxin Systems in Clinical Pathogens. <i>Toxins</i> , 2016, 8, 227.	3.4	105
13	Strategies to Combat Multidrug-Resistant and Persistent Infectious Diseases. <i>Antibiotics</i> , 2020, 9, 65.	3.7	104
14	Identification and Broad Dissemination of the CTX-M-14 $\beta$ -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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Detection of <i>Pseudomonas aeruginosa</i> isolates producing VEB-type extended-spectrum $\beta$ -lactamases in the United Kingdom. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 1265-1268.	3.0	62
22	(p)ppGpp and Its Role in Bacterial Persistence: New Challenges. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	62
23	Pyocyanin Restricts Social Cheating in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1348.	3.5	59
24	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
25	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
26	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
27	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
28	Epidemiologic and Clinical Impact of <i>Acinetobacter baumannii</i> Colonization and Infection. <i>Medicine (United States)</i> , 2014, 93, 202-210.	1.0	53
29	Exploring Bacterial Diversity in Hospital Environments by GS-FLX Titanium Pyrosequencing. <i>PLoS ONE</i> , 2012, 7, e44105.	2.5	52
30	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
31	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
32	Expression of OXA-Type and SFO-1 $\beta$ -Lactamases Induces Changes in Peptidoglycan Composition and Affects Bacterial Fitness. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1877-1884.	3.2	45
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Combined Use of the Ab105-2ġġCI 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
39	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
40	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 MicrobiologĀa ClĀnica</i> , 2015, 33, 337.e1-337.e21.	0.5	29
41	Interspecies spread of CTX-M-32 extended-spectrum Ĩ <sup>2</sup> -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
42	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
43	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
44	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
45	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 MicrobiologĀa ClĀnica</i> , 2015, 33, 338-341.	0.5	23
46	<i>Acinetobacter baumannii</i> in critically ill patients: Molecular epidemiology, clinical features and predictors of mortality. <i>Enfermedades Infecciosas Y MicrobiologĀa ClĀnica</i> , 2016, 34, 551-558.	0.5	23
47	Molecular characterization of the gene encoding a new AmpC Ĩ <sup>2</sup> -lactamase in <i>Acinetobacter baylyi</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 996-1000.	3.0	22
48	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
49	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
50	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> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0090021.	3.2	20
51	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
52	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
53	Temperate Bacteriophages (Prophages) in <i>Pseudomonas aeruginosa</i> Isolates Belonging to the International Cystic Fibrosis Clone (CC274). <i>Frontiers in Microbiology</i> , 2020, 11, 556706.	3.5	18
54	The role of PemK (PemK/PemI) type II TA system from <i>Klebsiella pneumoniae</i> clinical strains in lytic phage infection. <i>Scientific Reports</i> , 2022, 12, 4488.	3.3	17

#	ARTICLE	IF	CITATIONS
55	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
56	<i>Williamsia muralis</i> Pulmonary Infection. <i>Emerging Infectious Diseases</i> , 2005, 11, 1324-1325.	4.3	15
57	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
58	Analysis of Complete Genome Sequence of <i>Acinetobacter baumannii</i> Strain ATCC 19606 Reveals Novel Mobile Genetic Elements and Novel Prophage. <i>Microorganisms</i> , 2020, 8, 1851.	3.6	15
59	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, PemIK. <i>Toxins</i> , 2020, 12, 566.	3.4	15
60	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
61	Quorum and Light Signals Modulate Acetoin/Butanediol Catabolism in <i>Acinetobacter</i> spp.. <i>Frontiers in Microbiology</i> , 2019, 10, 1376.	3.5	14
62	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
63	Genomic Analysis of Molecular Bacterial Mechanisms of Resistance to Phage Infection. <i>Frontiers in Microbiology</i> , 2021, 12, 784949.	3.5	13
64	Phenotypic and Genomic Comparison of <i>Klebsiella pneumoniae</i> Lytic Phages: vB_KpnM-VAC66 and vB_KpnM-VAC13. <i>Viruses</i> , 2022, 14, 6.	3.3	13
65	Development of an Anti- <i>Acinetobacter baumannii</i> Biofilm Phage Cocktail: Genomic Adaptation to the Host. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0192321.	3.2	12
66	Essential Topics for the Regulatory Consideration of Phages as Clinically Valuable Therapeutic Agents: A Perspective from Spain. <i>Microorganisms</i> , 2022, 10, 717.	3.6	12
67	CRISPR-Cas, a Revolution in the Treatment and Study of ESKAPE Infections: Pre-Clinical Studies. <i>Antibiotics</i> , 2021, 10, 756.	3.7	10
68	Editorial: Quorum Network (Sensing/Quenching) in Multidrug-Resistant Pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 80.	3.9	8
69	Adaptation of clinical isolates of <i>Klebsiella pneumoniae</i> to the combination of niclosamide with the efflux pump inhibitor phenyl-arginine- $\beta$ -naphthylamide (Pa $\beta$ N): co-resistance to antimicrobials. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1272-1281.	3.0	8
70	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
71	Toxins of toxin/antitoxin systems are inactivated primarily through promoter mutations. <i>Journal of Applied Microbiology</i> , 2019, 127, 1859-1868.	3.1	7
72	Presence of bacterial DNA in thrombotic material of patients with myocardial infarction. <i>Scientific Reports</i> , 2020, 10, 16299.	3.3	7

#	ARTICLE	IF	CITATIONS
73	Draft Genome Sequence of the Biofilm-Hyperproducing <i>Acinetobacter baumannii</i> Clinical Strain MAR002. <i>Genome Announcements</i> , 2015, 3, .	0.8	6
74	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
75	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
76	NDM-1 carbapenemase resistance gene vehicles emergent on distinct plasmid backbones from the IncL/M family. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 620-624.	3.0	6
77	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
78	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
79	Blue light directly modulates the quorum network in the human pathogen <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2021, 11, 13375.	3.3	4
80	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
81	Viral Related Tools against SARS-CoV-2. <i>Viruses</i> , 2020, 12, 1172.	3.3	3
82	Patents on antivirulence therapies. <i>World Journal of Pharmacology</i> , 2014, 3, 97.	2.3	3
83	ighting antimicrobial resistance in ESKAPE pathogens. , 0, , 1-18.		2
84	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
85	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
86	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
87	Editorial: Molecular Mechanisms of Bacterial Clinical Pathogens Tolerance and Persistence Under Stress Conditions: Tolerant and Persister Cells. <i>Frontiers in Microbiology</i> , 2021, 12, 705092.	3.5	1
88	Quorum Sensing Systems and Persistence. , 2018, , 17-27.		0
89	Reporting identification of <i>Acinetobacter</i> spp genomic species: A nationwide proficiency study in Spain. <i>Enfermedades Infecciosas Y Microbiologia Clinica (English Ed )</i> , 2019, 37, 89-92.	0.3	0
90	Reporting identification of <i>Acinetobacter</i> spp genomic species: A nationwide proficiency study in Spain. <i>Enfermedades Infecciosas Y MicrobiologĀa ClĀnica</i> , 2019, 37, 89-92.	0.5	0