

Elisenda Miro

List of Publications by Year in descending order

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87
papers

3,542
citations

101543

36
h-index

155660

55
g-index

101
all docs

101
docs citations

101
times ranked

3433
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended-spectrum β -lactamase-producing Enterobacteriaceae in different environments (humans, Tj ETQq1 1 0.784314 rgBTJ/Overl	3.0	199
2	Extended-spectrum β -lactamase-producing Escherichia coli in Spain belong to a large variety of multilocus sequence typing types, including ST10 complex/A, ST23 complex/A and ST131/B2. International Journal of Antimicrobial Agents, 2009, 34, 173-176.	2.5	164
3	ESBL- and plasmidic class C β -lactamase-producing E. coli strains isolated from poultry, pig and rabbit farms. Veterinary Microbiology, 2006, 118, 299-304.	1.9	133
4	Prospective Multicenter Study of Carbapenemase-Producing Enterobacteriaceae from 83 Hospitals in Spain Reveals High <i>In Vitro</i> Susceptibility to Colistin and Meropenem. Antimicrobial Agents and Chemotherapy, 2015, 59, 3406-3412.	3.2	130
5	Antibiotic Resistance Trends in Enteropathogenic Bacteria Isolated in 1985-1987 and 1995-1998 in Barcelona. Antimicrobial Agents and Chemotherapy, 2000, 44, 1140-1145.	3.2	126
6	Cloning and Sequence of the Gene Encoding a Novel Cefotaxime-Hydrolyzing β -Lactamase (CTX-M-9) from Escherichia coli in Spain. Antimicrobial Agents and Chemotherapy, 2000, 44, 1970-1973.	3.2	121
7	Antibiotic Resistance Genes in the Bacteriophage DNA Fraction of Human Fecal Samples. Antimicrobial Agents and Chemotherapy, 2014, 58, 606-609.	3.2	105
8	Prevalence and molecular epidemiology of acquired AmpC β -lactamases and carbapenemases in Enterobacteriaceae isolates from 35 hospitals in Spain. European Journal of Clinical Microbiology and Infectious Diseases, 2013, 32, 253-259.	2.9	91
9	Novel Complex sul1 -Type Integron in Escherichia coli Carrying bla CTX-M-9. Antimicrobial Agents and Chemotherapy, 2002, 46, 2656-2661.	3.2	86
10	Characterisation of the CTX-M-15-encoding gene in Klebsiella pneumoniae strains from the Barcelona metropolitan area: plasmid diversity and chromosomal integration. International Journal of Antimicrobial Agents, 2010, 36, 73-78.	2.5	85
11	Bacteriophages and Diffusion of β -lactamase Genes. Emerging Infectious Diseases, 2004, 10, 1134-1137.	4.3	83
12	Salmonella enterica Serovar Virchow with CTX-M-Like β -Lactamase in Spain. Journal of Clinical Microbiology, 2000, 38, 4676-4678.	3.9	75
13	Comprehensive clinical and epidemiological assessment of colonisation and infection due to carbapenemase-producing Enterobacteriaceae in Spain. Journal of Infection, 2016, 72, 152-160.	3.3	73
14	Surveillance of extended-spectrum β -lactamases from clinical samples and faecal carriers in Barcelona, Spain. Journal of Antimicrobial Chemotherapy, 2005, 56, 1152-1155.	3.0	70
15	Community Transmission of Extended-Spectrum β -Lactamase. Emerging Infectious Diseases, 2003, 9, 1024-1025.	4.3	69
16	Characterization of plasmids encoding blaESBL and surrounding genes in Spanish clinical isolates of Escherichia coli and Klebsiella pneumoniae. Journal of Antimicrobial Chemotherapy, 2008, 63, 60-66.	3.0	66
17	Characterization of Aminoglycoside-Modifying Enzymes in Enterobacteriaceae Clinical Strains and Characterization of the Plasmids Implicated in Their Diffusion. Microbial Drug Resistance, 2013, 19, 94-99.	2.0	66
18	Superantigen gene profile, emm type and antibiotic resistance genes among group A streptococcal isolates from Barcelona, Spain. Journal of Medical Microbiology, 2006, 55, 1115-1123.	1.8	64

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19	Spread of plasmids containing the blaVIM-1 and blaCTX-M genes and the qnr determinant in <i>Enterobacter cloacae</i> , <i>Klebsiella pneumoniae</i> and <i>Klebsiella oxytoca</i> isolates. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 661-665.	3.0	62
20	Dissemination of extended-spectrum β -lactamase-producing bacteria: the food-borne outbreak lesson. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 1244-1251.	3.0	59
21	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
22	First Detection of a Carbapenem-Hydrolyzing Metalloenzyme in Two Enterobacteriaceae Isolates in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3492-3494.	3.2	53
23	Plasmid typing and genetic context of AmpC β -lactamases in Enterobacteriaceae lacking inducible chromosomal ampC genes: findings from a Spanish hospital 1999-2007. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 115-122.	3.0	53
24	Acquisition and diffusion of blaCTX-M-9 gene by R478-IncHI2 derivative plasmids. <i>FEMS Microbiology Letters</i> , 2007, 271, 71-77.	1.8	52
25	Shiga Toxin 2-Encoding Bacteriophages in Human Fecal Samples from Healthy Individuals. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4862-4868.	3.1	50
26	Antibiotic resistance genes in phage particles isolated from human faeces and induced from clinical bacterial isolates. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 434-442.	2.5	46
27	Prevalence of SXT/R391-like integrative and conjugative elements carrying blaCMY-2 in <i>Proteus mirabilis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 2266-2270.	3.0	45
28	Colonisation and infection due to Enterobacteriaceae producing plasmid-mediated AmpC β -lactamases. <i>Journal of Infection</i> , 2012, 64, 176-183.	3.3	45
29	beta-Lactamases involved in resistance to broad-spectrum cephalosporins in <i>Escherichia coli</i> and <i>Klebsiella</i> spp. clinical isolates collected between 1994 and 1996, in Barcelona (Spain). <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 989-997.	3.0	44
30	Evolution of carbapenemase-producing Enterobacteriaceae at the global and national level: What should be expected in the future?. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2014, 32, 17-23.	0.5	43
31	Prevalence of acquired AmpC β -lactamases in Enterobacteriaceae lacking inducible chromosomal ampC genes at a Spanish hospital from 1999 to 2007. <i>Clinical Microbiology and Infection</i> , 2010, 16, 472-476.	6.0	41
32	First Isolation of a Carbapenem-Hydrolyzing β -Lactamase in <i>Pseudomonas aeruginosa</i> in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 932-933.	3.2	40
33	Population Structure, Antimicrobial Resistance, and Virulence-Associated Genes in <i>Campylobacter jejuni</i> Isolated From Three Ecological Niches: Gastroenteritis Patients, Broilers, and Wild Birds. <i>Frontiers in Microbiology</i> , 2018, 9, 1676.	3.5	40
34	Prevalence of Clinical Isolates of <i>Escherichia coli</i> Producing Inhibitor-Resistant β -Lactamases at a University Hospital in Barcelona, Spain, over a 3-Year Period. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3991-3994.	3.2	38
35	Emergence of clinical <i>Escherichia coli</i> isolates with decreased susceptibility to ceftazidime and synergic effect with co-amoxiclav due to SHV-1 hyperproduction. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 42, 535-538.	3.0	37
36	Characterization of the highly variable region surrounding the blaCTX-M-9 gene in non-related <i>Escherichia coli</i> from Barcelona. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 56, 819-826.	3.0	37

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37	Molecular identification of aminoglycoside-modifying enzymes in clinical isolates of <i>Escherichia coli</i> resistant to amoxicillin/clavulanic acid isolated in Spain. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, 157-163.	2.5	36
38	Core/Whole Genome Multilocus Sequence Typing and Core Genome SNP-Based Typing of OXA-48-Producing <i>Klebsiella pneumoniae</i> Clinical Isolates From Spain. <i>Frontiers in Microbiology</i> , 2019, 10, 2961.	3.5	35
39	Increase in β -lactam-resistant <i>Proteus mirabilis</i> strains due to CTX-M- and CMY-type as well as new VEB- and inhibitor-resistant TEM-type β -lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 1029-1032.	3.0	34
40	A simple phenotypic method for differentiation between acquired and chromosomal AmpC β -lactamases in <i>Escherichia coli</i> . <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2006, 24, 370-372.	0.5	33
41	Cephalosporin-resistant <i>Escherichia coli</i> among Summer Camp Attendees with Salmonellosis. <i>Emerging Infectious Diseases</i> , 2003, 9, 1273-1280.	4.3	29
42	In Vitro Activity of the Active Metabolite of Prulifloxacin (AF 3013) Compared with Six Other Fluoroquinolones. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2002, 21, 328-334.	2.9	27
43	Evidence for convergent evolution of CTX-M-14 ESBL in <i>Escherichia coli</i> and its prevalence. <i>FEMS Microbiology Letters</i> , 2007, 273, 120-123.	1.8	26
44	Detection of three stable genetic clones of CTX-M-15-producing <i>Klebsiella pneumoniae</i> in the Barcelona metropolitan area, Spain. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 862-864.	3.0	26
45	Differential Distribution of the <i>wlaN</i> and <i>cgtB</i> Genes, Associated with Guillain-Barré Syndrome, in <i>Campylobacter jejuni</i> Isolates from Humans, Broiler Chickens, and Wild Birds. <i>Microorganisms</i> , 2020, 8, 325.	3.6	25
46	Multiclonal epidemic of <i>Klebsiella pneumoniae</i> isolates producing DHA-1 in a Spanish hospital. <i>Clinical Microbiology and Infection</i> , 2011, 17, 1032-1036.	6.0	24
47	Faecal phageome of healthy individuals: presence of antibiotic resistance genes and variations caused by ciprofloxacin treatment. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 854-864.	3.0	24
48	Unravelling the consequences of the bacteriophages in human samples. <i>Scientific Reports</i> , 2020, 10, 6737.	3.3	24
49	Viral Culture Confirmed SARS-CoV-2 Subgenomic RNA Value as a Good Surrogate Marker of Infectivity. <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0160921.	3.9	23
50	Molecular characterisation of acquired and overproduced chromosomal <i>bla</i> AmpC in <i>Escherichia coli</i> clinical isolates. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 62-68.	2.5	22
51	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
52	Characterisation of fluoroquinolone-resistant clinical isolates of <i>Streptococcus pyogenes</i> in Barcelona, Spain. <i>Clinical Microbiology and Infection</i> , 2005, 11, 759-761.	6.0	20
53	Increased resistance to quinolone in Catalonia, Spain. <i>Diagnostic Microbiology and Infectious Disease</i> , 1993, 16, 137-139.	1.8	19
54	In vivo transmission of a plasmid coharbouring <i>bla</i> DHA-1 and <i>qnrB</i> genes between <i>Escherichia coli</i> and <i>Serratia marcescens</i> . <i>FEMS Microbiology Letters</i> , 2010, 308, 24-28.	1.8	19

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55	Mobile Genetic Elements Related to the Diffusion of Plasmid-Mediated AmpC β -Lactamases or Carbapenemases from Enterobacteriaceae: Findings from a Multicenter Study in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5260-5266.	3.2	19
56	Bloodstream infections caused by <i>Escherichia coli</i> producing AmpC β -lactamases: epidemiology and clinical features. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2016, 35, 1997-2003.	2.9	19
57	The Identification of Intrinsic Chloramphenicol and Tetracycline Resistance Genes in Members of the <i>Bacillus cereus</i> Group (sensu lato). <i>Frontiers in Microbiology</i> , 2016, 7, 2122.	3.5	19
58	Association of blaDHA-1 and qnrB genes carried by broad-host-range plasmids among isolates of Enterobacteriaceae at a Spanish hospital. <i>Clinical Microbiology and Infection</i> , 2011, 17, 1514-1517.	6.0	18
59	Epidemiology and risk factors for infections due to AmpC β -lactamase-producing <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 899-904.	3.0	18
60	First Description of bla _{NDM-7} Carried on an IncX4 Plasmid in <i>Escherichia coli</i> ST679 Isolated in Spain. <i>Microbial Drug Resistance</i> , 2018, 24, 113-119.	2.0	18
61	Molecular characterization of OXA-48 carbapenemase-producing <i>Klebsiella pneumoniae</i> strains after a carbapenem resistance increase in Catalonia. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2019, 37, 82-88.	0.5	18
62	Plasmid-mediated QnrS2 determinant in an <i>Aeromonas caviae</i> isolate recovered from a patient with diarrhoea. <i>Clinical Microbiology and Infection</i> , 2010, 16, 1005-1007.	6.0	17
63	Update on CTX-M-type β -lactamases. <i>Reviews in Medical Microbiology</i> , 2002, 13, 63-73.	0.9	15
64	<i>Escherichia coli</i> Producing an ACC-1 Class C β -Lactamase Isolated in Barcelona, Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 866-867.	3.2	15
65	<i>Campylobacter</i> spp antibiotic susceptibility. <i>Journal of Antimicrobial Chemotherapy</i> , 1993, 32, 906-907.	3.0	12
66	Characterisation of plasmids encoding extended-spectrum β -lactamase and CMY-2 in <i>Escherichia coli</i> isolated from animal farms. <i>International Journal of Antimicrobial Agents</i> , 2008, 31, 76-78.	2.5	12
67	Characterization of a Novel IMP-28 Metallo- β -Lactamase from a Spanish <i>Klebsiella oxytoca</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4540-4543.	3.2	12
68	Quinolone Resistance-Determining Regions of gyrA and parC in <i>Pasteurella multocida</i> Strains with Different Levels of Nalidixic Acid Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 990-991.	3.2	11
69	Comparison of Commensal and Clinical Isolates for Diversity of Plasmids in <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	11
70	Increased resistance of enteropathogens to fluoroquinolones in Barcelona, Spain. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1993, 12, 645-646.	2.9	10
71	<i>Campylobacter</i> Species: Identification and Resistance to Quinolones. <i>Clinical Infectious Diseases</i> , 1993, 17, 815-816.	5.8	9
72	Intra- and inter-species spread of carbapenemase genes in a non-hospitalized patient. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2011, 30, 1551-1555.	2.9	9

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73	Characterization of the New AmpC β -Lactamase FOX-8 Reveals a Single Mutation, Phe313Leu, Located in the R2 Loop That Affects Ceftazidime Hydrolysis. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5158-5161.	3.2	8
74	Prevalencia en España de mecanismos de resistencia a quinolonas en enterobacterias productoras de betalactamasas de clase C adquiridas y/o carbapenemasas. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2017, 35, 487-492.	0.5	8
75	Emergence of different resistance mechanisms in <i>Pseudomonas aeruginosa</i> in a patient treated with imipenem. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1995, 14, 731-732.	2.9	7
76	Genetic and Kinetic Characterization of the Novel AmpC β -Lactamases DHA-6 and DHA-7. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6544-6549.	3.2	7
77	Tetracycline resistance transmission in <i>Campylobacter</i> is promoted at temperatures resembling the avian reservoir. <i>Veterinary Microbiology</i> , 2020, 244, 108652.	1.9	7
78	Pathogenesis of <i>Staphylococcus epidermidis</i> in prosthetic joint infections: can identification of virulence genes differentiate between infecting and commensal strains?. <i>Journal of Hospital Infection</i> , 2020, 105, 561-568.	2.9	6
79	Whole-genome analysis to describe a human adenovirus D8 conjunctivitis outbreak in a tertiary hospital. <i>Journal of Medical Virology</i> , 2021, 93, 4840-4845.	5.0	6
80	Taxonomic Identification of Different Species of the Genus <i>Aeromonas</i> by Whole-Genome Sequencing and Use of Their Species-Specific β -Lactamases as Phylogenetic Markers. <i>Antibiotics</i> , 2021, 10, 354.	3.7	6
81	A New Variant of the aadE-sat4-aphA-3 Gene Cluster Found in a Conjugative Plasmid from a MDR <i>Campylobacter jejuni</i> Isolate. <i>Antibiotics</i> , 2022, 11, 466.	3.7	6
82	Prevalence of quinolone resistance mechanisms in Enterobacteriaceae producing acquired AmpC β -lactamases and/or carbapenemasas in Spain. <i>Enfermedades Infecciosas Y Microbiología Clínica (English Ed)</i> , 2017, 35, 485-490.	0.3	4
83	Increased Antimicrobial Resistance in a Novel CMY-54 AmpC-Type Enzyme with a GluLeu ²¹⁷ → ²¹⁸ Insertion in the Ω -Loop. <i>Microbial Drug Resistance</i> , 2018, 24, 527-533.	2.0	4
84	Characterization of the Genetic Environment of the bla _{VEB-4} Gene, Associated with a Transposable Region in a <i>Proteus mirabilis</i> Clinical Isolate. <i>Microbial Drug Resistance</i> , 2017, 23, 833-837.	2.0	2
85	In-vitro activity of E-4695, a new fluoronaphthyridine antimicrobial agent. <i>Journal of Antimicrobial Chemotherapy</i> , 1994, 33, 1017-1023.	3.0	1
86	Detection of three stable genetic clones of CTX-M-15-producing <i>Klebsiella pneumoniae</i> in the Barcelona metropolitan area, Spain. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1838-1838.	3.0	0
87	Molecular characterization of OXA-48 carbapenemase-producing <i>Klebsiella pneumoniae</i> strains after a carbapenem resistance increase in Catalonia. <i>Enfermedades Infecciosas Y Microbiología Clínica (English Ed)</i> , 2019, 37, 82-88.	0.3	0