

Carmen Lozano

List of Publications by Year in descending order

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74
papers

2,995
citations

136950

32
h-index

189892

50
g-index

78
all docs

78
docs citations

78
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	GelJ â€“ a tool for analyzing DNA fingerprint gel images. BMC Bioinformatics, 2015, 16, 270.	2.6	238
2	Detection, Molecular Characterization, and Clonal Diversity of Methicillin-Resistant <i>Staphylococcus aureus</i> CC398 and CC97 in Spanish Slaughter Pigs of Different Age Groups. Foodborne Pathogens and Disease, 2010, 7, 1269-1277.	1.8	130
3	<i>Pseudomonas aeruginosa</i> Utilizes Host-Derived Itaconate to Redirect Its Metabolism to Promote Biofilm Formation. Cell Metabolism, 2020, 31, 1091-1106.e6.	16.2	109
4	Detection of methicillin-resistant <i>Staphylococcus aureus</i> ST398 in food samples of animal origin in Spain. Journal of Antimicrobial Chemotherapy, 2009, 64, 1325-1326.	3.0	102
5	<i>Staphylococcus aureus</i> nasal carriage, virulence traits, antibiotic resistance mechanisms, and genetic lineages in healthy humans in Spain, with detection of CC398 and CC97 strains. International Journal of Medical Microbiology, 2011, 301, 500-505.	3.6	86
6	Genetic environment and location of the <i>lnu(A)</i> and <i>lnu(B)</i> genes in methicillin-resistant <i>Staphylococcus aureus</i> and other staphylococci of animal and human origin. Journal of Antimicrobial Chemotherapy, 2012, 67, 2804-2808.	3.0	86
7	<i>Staphylococcus aureus</i> in Animals and Food: Methicillin Resistance, Prevalence and Population Structure. A Review in the African Continent. Microorganisms, 2016, 4, 12.	3.6	81
8	High diversity of <i>Staphylococcus aureus</i> and <i>Staphylococcus pseudintermedius</i> lineages and toxigenic traits in healthy pet-owning household members. Underestimating normal household contact?. Comparative Immunology, Microbiology and Infectious Diseases, 2013, 36, 83-94.	1.6	80
9	The enterococcal ABC transporter gene <i>lsa(E)</i> confers combined resistance to lincosamides, pleuromutilins and streptogramin A antibiotics in methicillin-susceptible and methicillin-resistant <i>Staphylococcus aureus</i> . Journal of Antimicrobial Chemotherapy, 2013, 68, 473-475.	3.0	80
10	<i>Staphylococcus pseudintermedius</i> Human Infection Cases in Spain: Dog-to-Human Transmission. Vector-Borne and Zoonotic Diseases, 2017, 17, 268-270.	1.5	80
11	Prevalence, antibiotic resistance, virulence traits and genetic lineages of <i>Staphylococcus aureus</i> in healthy sheep in Tunisia. Veterinary Microbiology, 2012, 156, 367-373.	1.9	77
12	High prevalence of <i>spa</i> types associated with the clonal lineage CC398 among tetracycline-resistant methicillin-resistant <i>Staphylococcus aureus</i> strains in a Spanish hospital. Journal of Antimicrobial Chemotherapy, 2012, 67, 330-334.	3.0	69
13	Detection of MRSA ST3061-t843- <i>mecC</i> and ST398-t011- <i>mecA</i> in white stork nestlings exposed to human residues: Table 1.. Journal of Antimicrobial Chemotherapy, 2016, 71, 53-57.	3.0	69
14	CFTR-PTENâ€“dependent mitochondrial metabolic dysfunction promotes <i>Pseudomonas aeruginosa</i> airway infection. Science Translational Medicine, 2019, 11, .	12.4	65
15	Detection and characterization of methicillin-resistant <i>Staphylococcus pseudintermedius</i> in healthy dogs in La Rioja, Spain. Comparative Immunology, Microbiology and Infectious Diseases, 2011, 34, 447-453.	1.6	61
16	Characterization of tetracycline and methicillin resistant <i>Staphylococcus aureus</i> strains in a Spanish hospital: Is livestock-contact a risk factor in infections caused by MRSA CC398?. International Journal of Medical Microbiology, 2014, 304, 1226-1232.	3.6	52
17	Expansion of a Plasmid Classification System for Gram-Positive Bacteria and Determination of the Diversity of Plasmids in <i>Staphylococcus aureus</i> Strains of Human, Animal, and Food Origins. Applied and Environmental Microbiology, 2012, 78, 5948-5955.	3.1	51
18	Economic Features of Antibiotic Resistance: The Case of Methicillin-Resistant <i>Staphylococcus aureus</i> . Pharmacoeconomics, 2015, 33, 285-325.	3.3	50

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19	Identification of novel <i>vga(A)</i> -carrying plasmids and a Tn5406-like transposon in methicillin-resistant <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> of human and animal origin. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 306-312.	2.5	48
20	Antimicrobial resistance determinants in <i>Staphylococcus</i> spp. recovered from birds of prey in Portugal. <i>Veterinary Microbiology</i> , 2014, 171, 436-440.	1.9	46
21	Clonal Dynamics of Nasal <i>Staphylococcus aureus</i> and <i>Staphylococcus pseudintermedius</i> in Dog-Ownning Household Members. Detection of MSSA ST398. <i>PLoS ONE</i> , 2013, 8, e69337.	2.5	45
22	Methicillin-resistant coagulase-negative staphylococci from healthy dogs in Nsukka, Nigeria. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 215-220.	2.0	44
23	Empyema caused by MRSA ST398 with Atypical Resistance Profile, Spain. <i>Emerging Infectious Diseases</i> , 2011, 17, 138-140.	4.3	43
24	High diversity of genetic lineages and virulence genes in nasal <i>Staphylococcus aureus</i> isolates from donkeys destined to food consumption in Tunisia with predominance of the ruminant associated CC133 lineage. <i>BMC Veterinary Research</i> , 2012, 8, 203.	1.9	42
25	Characterization of staphylococci in urban wastewater treatment plants in Spain, with detection of methicillin resistant <i>Staphylococcus aureus</i> ST398. <i>Environmental Pollution</i> , 2016, 212, 71-76.	7.5	41
26	High prevalence of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) carrying the <i>mecC</i> gene in a semi-extensive red deer (<i>Cervus elaphus hispanicus</i>) farm in Southern Spain. <i>Veterinary Microbiology</i> , 2015, 177, 326-331.	1.9	40
27	Characterization of <i>Staphylococcus aureus</i> from Raw Meat Samples in Tunisia: Detection of Clonal Lineage ST398 from the African Continent. <i>Foodborne Pathogens and Disease</i> , 2015, 12, 686-692.	1.8	39
28	Skin Lesion Caused by ST398 and ST1 MRSA, Spain ¹ . <i>Emerging Infectious Diseases</i> , 2010, 16, 157-159.	4.3	38
29	Nasal carriage of <i>Staphylococcus aureus</i> in healthy humans with different levels of contact with animals in Tunisia: genetic lineages, methicillin resistance, and virulence factors. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2011, 30, 499-508.	2.9	38
30	Identification of the novel spectinomycin resistance gene <i>spw</i> in methicillin-resistant and methicillin-susceptible <i>Staphylococcus aureus</i> of human and animal origin. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 1679-1680.	3.0	38
31	Molecular Characterization of <i>Staphylococcus aureus</i> from Nasal Samples of Healthy Farm Animals and Pets in Tunisia. <i>Vector-Borne and Zoonotic Diseases</i> , 2015, 15, 109-115.	1.5	37
32	Human <i>mecC</i> -Carrying MRSA: Clinical Implications and Risk Factors. <i>Microorganisms</i> , 2020, 8, 1615.	3.6	35
33	Antimicrobial Resistance, Virulence Genes, and Genetic Lineages of <i>Staphylococcus pseudintermedius</i> in Healthy Dogs in Tunisia. <i>Microbial Ecology</i> , 2013, 66, 363-368.	2.8	34
34	Characterization of <i>Staphylococcus aureus</i> strains isolated from faeces of healthy neonates and potential mother-to-infant microbial transmission through breastfeeding. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	34
35	Antimicrobial resistance and virulence of <i>Pseudomonas</i> spp. among healthy animals: concern about exolysin ExlA detection. <i>Scientific Reports</i> , 2020, 10, 11667.	3.3	33
36	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) ST398 in a farmer with skin lesions and in pigs of his farm: clonal relationship and detection of <i>lnu(A)</i> gene. <i>Clinical Microbiology and Infection</i> , 2011, 17, 923-927.	6.0	31

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37	Molecular Detection and Characterization of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Isolates from Dogs in Portugal. <i>Microbial Drug Resistance</i> , 2011, 17, 333-337.	2.0	29
38	Skin Lesion by Methicillin-Resistant <i>Staphylococcus aureus</i> ST398-t1451 in a Spanish Pig Farmer: Possible Transmission from Animals to Humans. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 605-607.	1.5	28
39	Detection of Methicillin-Susceptible <i>Staphylococcus aureus</i> ST398 and ST133 Strains in Gut Microbiota of Healthy Humans in Spain. <i>Microbial Ecology</i> , 2013, 66, 105-111.	2.8	28
40	Diversity of enterococcal species and characterization of high-level aminoglycoside resistant enterococci of samples of wastewater and surface water in Tunisia. <i>Science of the Total Environment</i> , 2015, 530-531, 11-17.	8.0	28
41	Wild Animals Are Reservoirs and Sentinels of <i>Staphylococcus aureus</i> and MRSA Clones: A Problem with "One Health" Concern. <i>Antibiotics</i> , 2021, 10, 1556.	3.7	28
42	Changes in genetic lineages, resistance, and virulence in clinical methicillin-resistant <i>Staphylococcus aureus</i> in a Spanish hospital. <i>Journal of Infection and Chemotherapy</i> , 2013, 19, 233-242.	1.7	27
43	Animal and human <i>Staphylococcus aureus</i> associated clonal lineages and high rate of <i>Staphylococcus pseudintermedius</i> novel lineages in Spanish kennel dogs: Predominance of <i>S. aureus</i> ST398. <i>Veterinary Microbiology</i> , 2013, 166, 580-589.	1.9	26
44	High prevalence of <i>Staphylococcus haemolyticus</i> and <i>Staphylococcus saprophyticus</i> in environmental samples of a Tunisian hospital. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 85, 136-140.	1.8	26
45	Dynamic of nasal colonization by methicillin-resistant <i>Staphylococcus aureus</i> ST398 and ST1 after mupirocin treatment in a family in close contact with pigs. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2011, 34, e1-e7.	1.6	24
46	Great phenotypic and genetic variation among successive chronic <i>Pseudomonas aeruginosa</i> from a cystic fibrosis patient. <i>PLoS ONE</i> , 2018, 13, e0204167.	2.5	24
47	Genetic Lineages, Antimicrobial Resistance, and Virulence in <i>Staphylococcus aureus</i> of Meat Samples in Spain: Analysis of Immune Evasion Cluster (IEC) Genes. <i>Foodborne Pathogens and Disease</i> , 2014, 11, 354-356.	1.8	23
48	Diversity of species and antibiotic resistance among fecal enterococci from wild birds in Tunisia. Detection of vanA-containing <i>Enterococcus faecium</i> isolates. <i>European Journal of Wildlife Research</i> , 2015, 61, 319-323.	1.4	23
49	Characterization of fecal vancomycin-resistant enterococci with acquired and intrinsic resistance mechanisms in wild animals, Spain. <i>Microbial Ecology</i> , 2016, 72, 813-820.	2.8	23
50	First Detection of Methicillin-Resistant <i>Staphylococcus aureus</i> ST398 and <i>Staphylococcus pseudintermedius</i> ST68 from Hospitalized Equines in Spain. <i>Zoonoses and Public Health</i> , 2014, 61, 192-201.	2.2	22
51	Detection of vancomycin-resistant <i>Enterococcus faecalis</i> ST6-vanB2 and <i>E. faecium</i> ST915-vanA in faecal samples of wild <i>Rattus rattus</i> in Spain. <i>Veterinary Microbiology</i> , 2015, 177, 168-174.	1.9	22
52	Molecular characterization of <i>Staphylococcus aureus</i> isolated from humans related to a livestock farm in Spain, with detection of MRSA-CC130 carrying <i>mecC</i> gene: A zoonotic case?. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2016, 34, 280-285.	0.5	21
53	Clonal diversity of extended-spectrum beta-lactamase producing <i>Escherichia coli</i> isolates in fecal samples of wild animals. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	21
54	High diversity of coagulase negative staphylococci species in wild boars, with low antimicrobial resistance rates but detection of relevant resistance genes. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 64, 125-129.	1.6	20

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55	Species distribution, antibiotic resistance and virulence traits in canine and feline enterococci in Tunisia. <i>Acta Veterinaria Hungarica</i> , 2017, 65, 173-184.	0.5	19
56	Multidrug-resistant enterococci in the hospital environment: detection of novel vancomycin-resistant <i>E. faecium</i> clone ST910. <i>Journal of Infection in Developing Countries</i> , 2016, 10, 799-806.	1.2	19
57	Characterization of a cfr-positive methicillin-resistant <i>Staphylococcus epidermidis</i> strain of the lineage ST22 implicated in a life-threatening human infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2012, 73, 380-382.	1.8	17
58	Clonal lineages detected amongst tetracycline-resistant methicillin-resistant <i>Staphylococcus aureus</i> isolates of a Tunisian hospital, with detection of lineage ST398. <i>Journal of Medical Microbiology</i> , 2015, 64, 623-629.	1.8	15
59	Unusual presence of the immune evasion gene cluster in livestock-associated MRSA of lineage CC398 causing peridural and psoas abscesses in a poultry farmer. <i>Enfermedades Infecciosas Y Microbiologa Clnica</i> , 2017, 35, 651-654.	0.5	15
60	Occurrence of <i>Pseudomonas</i> spp. in Raw Vegetables: Molecular and Phenotypical Analysis of Their Antimicrobial Resistance and Virulence-Related Traits. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12626.	4.1	15
61	Genetic Diversity and Antibiotic Resistance Among Coagulase-Negative <i>Staphylococci</i> Recovered from Birds of Prey in Portugal. <i>Microbial Drug Resistance</i> , 2016, 22, 727-730.	2.0	14
62	Genetic lineages and antimicrobial resistance genotypes in <i>Staphylococcus aureus</i> from children with atopic dermatitis: detection of clonal complexes CC1, CC97 and CC398. <i>Journal of Chemotherapy</i> , 2016, 28, 359-366.	1.5	14
63	Ecology and Genetic Lineages of Nasal <i>Staphylococcus aureus</i> and MRSA Carriage in Healthy Persons with or without Animal-Related Occupational Risks of Colonization: A Review of Global Reports. <i>Pathogens</i> , 2021, 10, 1000.	2.8	14
64	Penicillin susceptibility among invasive MSSA infections: a multicentre study in 16 Spanish hospitals. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2519-2527.	3.0	13
65	A survey of tools for analysing DNA fingerprints. <i>Briefings in Bioinformatics</i> , 2015, 17, 903-911.	6.5	11
66	Antimicrobial Susceptibility Testing in <i>Pseudomonas aeruginosa</i> Biofilms: One Step Closer to a Standardized Method. <i>Antibiotics</i> , 2020, 9, 880.	3.7	10
67	Controlling Antimicrobial Activity of Quinolones Using Visible/NIR Light-Activated BODIPY Photocages. <i>Pharmaceutics</i> , 2022, 14, 1070.	4.5	10
68	Optical Control of Antimicrobial Activity in Quinolone Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4719-4725.	2.4	9
69	Nasal carriage of coagulase positive staphylococci in patients of a Primary-Healthcare-Center: genetic lineages and resistance and virulence genes. <i>Enfermedades Infecciosas Y Microbiologa Clnica</i> , 2015, 33, 391-396.	0.5	8
70	Environmental <i>Staphylococcus aureus</i> contamination in a Tunisian hospital. <i>Journal of Chemotherapy</i> , 2016, 28, 506-509.	1.5	8
71	Promotion of biofilm production via atmospheric-pressure plasma-polymerization for biomedical applications. <i>Applied Surface Science</i> , 2022, 581, 152350.	6.1	8
72	Bacteriocin-Like Inhibitory Substances in <i>Staphylococci</i> of Different Origins and Species With Activity Against Relevant Pathogens. <i>Frontiers in Microbiology</i> , 2022, 13, 870510.	3.5	7

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73	Beyond CC398: Characterisation of Other Tetracycline and Methicillin-Resistant Staphylococcus aureus Genetic Lineages Circulating in Spanish Hospitals. Pathogens, 2022, 11, 307.	2.8	4
74	Unusual presence of the immune evasion gene cluster in livestock-associated MRSA of lineage CC398 causing peridural and psoas abscesses in a poultry farmer. Enfermedades Infecciosas Y Microbiologia Clinica (English Ed), 2017, 35, 651-654.	0.3	0