# Teresa M Coque

List of Publications by Year
in descending order

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|---|---|---|---|
| 181 papers | 14,663 citations | 19657 61 h-index | 21540 114 g-index |
| 197 all docs | 197 docs citations | 197 times ranked | 11039 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The CTX-M Î²-lactamase pandemic. Current Opinion in Microbiology, 2006, 9, 466-475. | 5.1 | 982 |
| 2 | CTX-M: changing the face of ESBLs in Europe. Journal of Antimicrobial Chemotherapy, 2006, 59, 165-174. | 3.0 | 756 |
| 3 | What is a resistance gene? Ranking risk in resistomes. Nature Reviews Microbiology, 2015, 13, 116-123. | 28.6 | 698 |
| 4 | Dissemination of Clonally RelatedEscherichia coliStrains Expressing Extended-Spectrum Î²-Lactamase CTX-M-15. Emerging Infectious Diseases, 2008, 14, 195-200. | 4.3 | 672 |
| 5 | Defining and combating antibiotic resistance from One Health and Global Health perspectives. Nature Microbiology, 2019, 4, 1432-1442. | 13.3 | 614 |
| 6 | Global Spread of Vancomycin-resistantEnterococcus faeciumfrom Distinct Nosocomial Genetic Complex. Emerging Infectious Diseases, 2005, 11, 821-828. | 4.3 | 491 |
| 7 | Multilocus Sequence Typing Scheme for Enterococcus faecalis Reveals Hospital-Adapted Genetic Complexes in a Background of High Rates of Recombination. Journal of Clinical Microbiology, 2006, 44, 2220-2228. | 3.9 | 321 |
| 8 | Dramatic Increase in Prevalence of Fecal Carriage of Extended-Spectrum Î²-Lactamase-Producing Enterobacteriaceae during Nonoutbreak Situations in Spain. Journal of Clinical Microbiology, 2004, 42, 4769-4775. | 3.9 | 290 |
| 9 | Mobile genetic elements and their contribution to the emergence of antimicrobial resistant Enterococcus faecalis and Enterococcus faecium. Clinical Microbiology and Infection, 2010, 16, 541-554. | 6.0 | 285 |
| 10 | Vancomycin-resistant enterococci from nosocomial, community, and animal sources in the United States. Antimicrobial Agents and Chemotherapy, 1996, 40, 2605-2609. | 3.2 | 270 |
| 11 | Global Emergence and Dissemination of Enterococci as Nosocomial Pathogens: Attack of the Clones?. Frontiers in Microbiology, 2016, 7, 788. | 3.5 | 248 |
| 12 | Incidence of Hemolysin, Gelatinase, and Aggregation Substance among Enterococci Isolated from Patients with Endocarditis and Other Infections and from Feces of Hospitalized and Community-Based Persons. Journal of Infectious Diseases, 1995, 171, 1223-1229. | 4.0 | 229 |
| 13 | Public Health Risks of Enterobacterial Isolates Producing Extended-Spectrum Â-Lactamases or AmpC Â-Lactamases in Food and Food-Producing Animals: An EU Perspective of Epidemiology, Analytical Methods, Risk Factors, and Control Options. Clinical Infectious Diseases, 2013, 56, 1030-1037. | 5.8 | 225 |
| 14 | Plasmid Flux in Escherichia coli ST131 Sublineages, Analyzed by Plasmid Constellation Network (PLACNET), a New Method for Plasmid Reconstruction from Whole Genome Sequences. PLoS Genetics, 2014, 10, e1004766. | 3.5 | 179 |
| 15 | Genes Encoding TEM-4, SHV-2, and CTX-M-10 Extended-Spectrum Î²-Lactamases Are Carried by MultipleKlebsiella pneumoniaeClones in a Single Hospital (Madrid, 1989 to 2000). Antimicrobial Agents and Chemotherapy, 2002, 46, 500-510. | 3.2 | 178 |
| 16 | Integron Content of Extended-Spectrum-Î²-Lactamase-Producing Escherichia coli Strains over 12 Years in a Single Hospital in Madrid, Spain. Antimicrobial Agents and Chemotherapy, 2005, 49, 1823-1829. | 3.2 | 174 |
| 17 | Ecology and Evolution as Targets: the Need for Novel Eco-Evo Drugs and Strategies To Fight Antibiotic Resistance. Antimicrobial Agents and Chemotherapy, 2011, 55, 3649-3660. | 3.2 | 171 |
| 18 | Dissemination of bla <sub>KPC-2</sub> by the Spread of Klebsiella pneumoniae Clonal Complex 258 Clones (ST258, ST11, ST437) and Plasmids (IncFII, IncN, IncL/M) among Enterobacteriaceae Species in Brazil. Antimicrobial Agents and Chemotherapy, 2011, 55, 3579-3583. | 3.2 | 168 |

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|---|---|---|---|
| 19 | Update on prevalence and mechanisms of resistance to linezolid, tigecycline and daptomycin in enterococci in Europe: Towards a common nomenclature. Drug Resistance Updates, 2018, 40, 25-39. | 14.4 | 165 |
| 20 | Extended-spectrum Î²-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 |
| 21 | High Rate of Intestinal Colonization with Extended-Spectrum-Î²-Lactamase-Producing Organisms in Household Contacts of Infected Community Patients. Journal of Clinical Microbiology, 2008, 46, 2796-2799. | 3.9 | 157 |
| 22 | Antibiotic resistance shaping multi-level population biology of bacteria. Frontiers in Microbiology, 2013, 4, 15. | 3.5 | 153 |
| 23 | Antibiotic resistance integrons and extended-spectrum Â-lactamases among Enterobacteriaceae isolates recovered from chickens and swine in Portugal. Journal of Antimicrobial Chemotherapy, 2008, 62, 296-302. | 3.0 | 147 |
| 24 | Antimicrobial Resistance inEnterococcusspp. of animal origin. Microbiology Spectrum, 2018, 6, . | 3.0 | 147 |
| 25 | In vivo testing of anEnterococcus faecalis efaAmutant and use ofefaAhomologs for species identification. FEMS Immunology and Medical Microbiology, 1998, 21, 323-331. | 2.7 | 145 |
| 26 | Antibiotic Coresistance in Extended-Spectrum-Î²-Lactamase-Producing Enterobacteriaceae and In Vitro Activity of Tigecycline. Antimicrobial Agents and Chemotherapy, 2006, 50, 2695-2699. | 3.2 | 145 |
| 27 | Nationwide Study of Escherichia coli and Klebsiella pneumoniae Producing Extended-Spectrum Î²-Lactamases in Spain. Antimicrobial Agents and Chemotherapy, 2005, 49, 2122-2125. | 3.2 | 139 |
| 28 | Antibiotic resistant enterococciâ€"Tales of a drug resistance gene trafficker. International Journal of Medical Microbiology, 2013, 303, 360-379. | 3.6 | 139 |
| 29 | Evaluation of Epidemiological Cut-Off Values Indicates that Biocide Resistant Subpopulations Are Uncommon in Natural Isolates of Clinically-Relevant Microorganisms. PLoS ONE, 2014, 9, e86669. | 2.5 | 135 |
| 30 | Multilevel population genetic analysis ofvanAandvanB Enterococcus faeciumcausing nosocomial outbreaks in 27 countries (1986â€"2012). Journal of Antimicrobial Chemotherapy, 2016, 71, 3351-3366. | 3.0 | 129 |
| 31 | Prediction of the intestinal resistome by a three-dimensional structure-based method. Nature Microbiology, 2019, 4, 112-123. | 13.3 | 129 |
| 32 | Human and Swine Hosts Share Vancomycin-Resistant Enterococcus faecium CC17 and CC5 and Enterococcus faecalis CC2 Clonal Clusters Harboring Tn 1546 on Indistinguishable Plasmids. Journal of Clinical Microbiology, 2011, 49, 925-931. | 3.9 | 126 |
| 33 | Epidemiology of Extended-Spectrum Â-Lactamase-Producing Enterobacter Isolates in a Spanish Hospital during a 12-Year Period. Journal of Clinical Microbiology, 2002, 40, 1237-1243. | 3.9 | 119 |
| 34 | In-depth resistome analysis by targeted metagenomics. Microbiome, 2018, 6, 11. | 11.1 | 115 |
| 35 | Spread of bla <sub>CTX-M-14</sub> Is Driven Mainly by IncK Plasmids Disseminated among Escherichia coli Phylogroups A, B1, and D in Spain. Antimicrobial Agents and Chemotherapy, 2009, 53, 5204-5212. | 3.2 | 112 |
| 36 | Emergence and Dissemination of Enterobacteriaceae Isolates Producing CTX-M-1-Like Enzymes in Spain Are Associated with IncFII (CTX-M-15) and Broad-Host-Range (CTX-M-1, -3, and -32) Plasmids. Antimicrobial Agents and Chemotherapy, 2007, 51, 796-799. | 3.2 | 110 |

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| 37 | Complex Clonal and Plasmid Epidemiology in the First Outbreak of Enterobacteriaceae Infection Involving VIM-1 Metallo-Â-Lactamase in Spain: Toward Endemicity?. Clinical Infectious Diseases, 2007, 45, 1171-1178. | 5.8 | 109 |
| 38 | Dissemination and Persistence of bla CTX-M-9 Are Linked to Class 1 Integrons Containing CR1 Associated with Defective Transposon Derivatives from Tn 402 Located in Early Antibiotic Resistance Plasmids of IncHI2, IncP1-Î±, and IncFI Groups. Antimicrobial Agents and Chemotherapy, 2006, 50, 2741-2750. | 3.2 | 108 |
| 39 | Nucleotide Sequence and Characterization of a Novel Cefotaxime-Hydrolyzing Î²-Lactamase (CTX-M-10) Isolated in Spain. Antimicrobial Agents and Chemotherapy, 2001, 45, 616-620. | 3.2 | 106 |
| 40 | Multi-resistant Gram-negative bacilli: from epidemics to endemics. Current Opinion in Infectious Diseases, 2003, 16, 315-325. | 3.1 | 106 |
| 41 | Insight into antimicrobial susceptibility and population structure of contemporary human Enterococcus faecalis isolates from Europe. Journal of Antimicrobial Chemotherapy, 2012, 67, 551-558. | 3.0 | 102 |
| 42 | Evolutionary Trajectories of Beta-Lactamase CTX-M-1 Cluster Enzymes: Predicting Antibiotic Resistance. PLoS Pathogens, 2010, 6, e1000735. | 4.7 | 100 |
| 43 | Dissemination in Portugal of CTX-M-15-, OXA-1-, and TEM-1-Producing Enterobacteriaceae Strains Containing the aac(6 â€² )-Ib-cr Gene, Which Encodes an Aminoglycoside- and Fluoroquinolone-Modifying Enzyme. Antimicrobial Agents and Chemotherapy, 2006, 50, 3220-3221. | 3.2 | 95 |
| 44 | High occurrence and persistence of antibiotic-resistant enterococci in poultry food samples in Portugal. Journal of Antimicrobial Chemotherapy, 2005, 56, 1139-1143. | 3.0 | 86 |
| 45 | Environmental Contamination with Vancomycin-Resistant Enterococci from Hospital Sewage in Portugal. Applied and Environmental Microbiology, 2005, 71, 3364-3368. | 3.1 | 85 |
| 46 | Dispersal of Carbapenemase bla <sub>VIM-1</sub> Gene Associated with Different Tn 402 Variants, Mercury Transposons, and Conjugative Plasmids in Enterobacteriaceae and Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2010, 54, 320-327. | 3.2 | 84 |
| 47 | The Plasmidome of Firmicutes: Impact on the Emergence and the Spread of Resistance to Antimicrobials. Microbiology Spectrum, 2015, 3, PLAS-0039-2014. | 3.0 | 83 |
| 48 | Investigating the mobilome in clinically important lineages of Enterococcus faecium and Enterococcus faecalis. BMC Genomics, 2015, 16, 282. | 2.8 | 82 |
| 49 | Population Structure of Enterococcus faecium Causing Bacteremia in a Spanish University Hospital: Setting the Scene for a Future Increase in Vancomycin Resistance?. Antimicrobial Agents and Chemotherapy, 2005, 49, 2693-2700. | 3.2 | 79 |
| 50 | Antimicrobial Resistance in Recent Fecal Enterococci from Healthy Volunteers and Food Handlers in Spain: Genes and Phenotypes. Microbial Drug Resistance, 2003, 9, 47-60. | 2.0 | 76 |
| 51 | Clonal expansion within clonal complex 2 and spread of vancomycin-resistant plasmids among different genetic lineages of Enterococcus faecalis from Portugal. Journal of Antimicrobial Chemotherapy, 2009, 63, 1104-1111. | 3.0 | 76 |
| 52 | Population Biology of Intestinal Enterococcus Isolates from Hospitalized and Nonhospitalized Individuals in Different Age Groups. Applied and Environmental Microbiology, 2015, 81, 1820-1831. | 3.1 | 75 |
| 53 | Emergence of blaKPC-3-Tn4401a associated with a pKPN3/4-like plasmid within ST384 and ST388 Klebsiella pneumoniae clones in Spain. Journal of Antimicrobial Chemotherapy, 2010, 65, 1608-1614. | 3.0 | 74 |
| 54 | Spread of multidrug-resistant Enterococcus to animals and humans: an underestimated role for the pig farm environment. Journal of Antimicrobial Chemotherapy, 2013, 68, 2746-2754. | 3.0 | 74 |

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| 55 | CTX-M-10 Linked to a Phage-Related Element Is Widely Disseminated among Enterobacteriaceae in a Spanish Hospital. Antimicrobial Agents and Chemotherapy, 2005, 49, 1567-1571. | 3.2 | 70 |
| 56 | Apparent nosocomial adaptation of Enterococcus faecalis predates the modern hospital era. Nature Communications, 2021, 12, 1523. | 12.8 | 69 |
| 57 | Fecal Carriage of Carbapenemase-Producing Enterobacteriaceae: a Hidden Reservoir in Hospitalized and Nonhospitalized Patients. Journal of Clinical Microbiology, 2012, 50, 1558-1563. | 3.9 | 68 |
| 58 | Co-transfer of resistance to high concentrations of copper and first-line antibiotics among Enterococcus from different origins (humans, animals, the environment and foods) and clonal lineages. Journal of Antimicrobial Chemotherapy, 2014, 69, 899-906. | 3.0 | 68 |
| 59 | Global Spread of the hyl <sub>Efm</sub> Colonization-Virulence Gene in Megaplasmids of the Enterococcus faecium CC17 Polyclonal Subcluster. Antimicrobial Agents and Chemotherapy, 2010, 54, 2660-2665. | 3.2 | 67 |
| 60 | 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 |
| 61 | A multiresistance megaplasmid pLG1 bearing a hylEfm genomic island in hospital Enterococcus faecium isolates. International Journal of Medical Microbiology, 2011, 301, 165-175. | 3.6 | 66 |
| 62 | Gene Transmission in the One Health Microbiosphere and the Channels of Antimicrobial Resistance. Frontiers in Microbiology, 2019, 10, 2892. | 3.5 | 66 |
| 63 | Diversity of Tn 1546 and Its Role in the Dissemination of Vancomycin-Resistant Enterococci in Portugal. Antimicrobial Agents and Chemotherapy, 2008, 52, 1001-1008. | 3.2 | 64 |
| 64 | Antibiotic Resistance: Moving From Individual Health Norms to Social Norms in One Health and Global Health. Frontiers in Microbiology, 2020, 11, 1914. | 3.5 | 64 |
| 65 | Detection of optrA in the African continent (Tunisia) within a mosaic Enterococcus faecalis plasmid from urban wastewaters. Journal of Antimicrobial Chemotherapy, 2017, 72, 3245-3251. | 3.0 | 61 |
| 66 | Characterization of Dihydrofolate Reductase Genes from Trimethoprim-Susceptible and Trimethoprim-Resistant Strains of Enterococcus faecalis. Antimicrobial Agents and Chemotherapy, 1999, 43, 141-147. | 3.2 | 58 |
| 67 | High occurrence of esp among ampicillin-resistant and vancomycin-susceptible Enterococcus faecium clones from hospitalized patients. Journal of Antimicrobial Chemotherapy, 2002, 50, 1035-1038. | 3.0 | 56 |
| 68 | Microevolutionary Events Involving Narrow Host Plasmids Influences Local Fixation of Vancomycin-Resistance in Enterococcus Populations. PLoS ONE, 2013, 8, e60589. | 2.5 | 56 |
| 69 | The Origin of Niches and Species in the Bacterial World. Frontiers in Microbiology, 2021, 12, 657986. | 3.5 | 56 |
| 70 | Host range of enterococcal vanA plasmids among Gram-positive intestinal bacteria. Journal of Antimicrobial Chemotherapy, 2011, 66, 273-282. | 3.0 | 55 |
| 71 | Large clonal outbreak of multidrug-resistant CC17 ST17 Enterococcus faecium containing Tn5382 in a Spanish hospital. Journal of Antimicrobial Chemotherapy, 2009, 63, 17-20. | 3.0 | 54 |
| 72 | High diversity of extended-spectrum Â-lactamases among clinical isolates of Enterobacteriaceae from Portugal. Journal of Antimicrobial Chemotherapy, 2007, 60, 1370-1374. | 3.0 | 53 |

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|---|---|---|---|
| 73 | In Vitro Activities of Two Ketolides, HMR 3647 and HMR 3004, against Gram-Positive Bacteria. Antimicrobial Agents and Chemotherapy, 1999, 43, 930-936. | 3.2 | 52 |
| 74 | Dispersion of Multidrug-Resistant Enterococcus faecium Isolates Belonging to Major Clonal Complexes in Different Portuguese Settings. Applied and Environmental Microbiology, 2009, 75, 4904-4908. | 3.1 | 52 |
| 75 | Diversity and Evolution of the Tn 5801-tet (M)-Like Integrative and Conjugative Elements among Enterococcus, Streptococcus, and Staphylococcus. Antimicrobial Agents and Chemotherapy, 2016, 60, 1736-1746. | 3.2 | 51 |
| 76 | Long-term clonal dynamics ofEnterococcus faeciumstrains causing bloodstream infections (1995â€“2015) in Spain. Journal of Antimicrobial Chemotherapy, 2017, 72, 48-55. | 3.0 | 51 |
| 77 | Complex molecular epidemiology of extended-spectrum -lactamases in Klebsiella pneumoniae: a long-term perspective from a single institution in Madrid. Journal of Antimicrobial Chemotherapy, 2007, 61, 64-72. | 3.0 | 50 |
| 78 | Ecogenetics of antibiotic resistance in Listeria monocytogenes. Molecular Microbiology, 2020, 113, 570-579. | 2.5 | 50 |
| 79 | High-Level Resistance to Aminoglycosides: Comparison of Community and Nosocomial Fecal Isolates of Enterococci. Clinical Infectious Diseases, 1995, 20, 1048-1051. | 5.8 | 49 |
| 80 | Characterization of Globally Spread Escherichia coli ST131 Isolates (1991 to 2010). Antimicrobial Agents and Chemotherapy, 2012, 56, 3973-3976. | 3.2 | 49 |
| 81 | Multiclonal dispersal of KPC genes following the emergence of non-ST258 KPC-producing Klebsiella pneumoniae clones in Madrid, Spain. Journal of Antimicrobial Chemotherapy, 2013, 68, 2487-2492. | 3.0 | 48 |
| 82 | AcCNET (<u>Ac</u>cessory Genome <u>C</u>onstellation <u>Net</u>work): comparative genomics software for accessory genome analysis using bipartite networks. Bioinformatics, 2017, 33, 283-285. | 4.1 | 48 |
| 83 | Association of Composite IS 26-sul3 Elements with Highly Transmissible IncI1 Plasmids in Extended-Spectrum-Î²-Lactamase-Producing Escherichia coli Clones from Humans. Antimicrobial Agents and Chemotherapy, 2011, 55, 2451-2457. | 3.2 | 47 |
| 84 | Public health evolutionary biology of antimicrobial resistance: priorities for intervention. Evolutionary Applications, 2015, 8, 223-239. | 3.1 | 47 |
| 85 | Group B Streptococcus: A Cause of Urinary Tract Infection in Nonpregnant Adults. Clinical Infectious Diseases, 1992, 14, 492-496. | 5.8 | 45 |
| 86 | Prioritizing risks of antibiotic resistance genes in all metagenomes. Nature Reviews Microbiology, 2015, 13, 396-396. | 28.6 | 45 |
| 87 | Genomic and metagenomic technologies to explore the antibiotic resistance mobilome. Annals of the New York Academy of Sciences, 2017, 1388, 26-41. | 3.8 | 43 |
| 88 | Preservation of Integron Types among Enterobacteriaceae Producing Extended-Spectrum Î²-Lactamases in a Spanish Hospital over a 15-Year Period (1988 to 2003). Antimicrobial Agents and Chemotherapy, 2007, 51, 2201-2204. | 3.2 | 42 |
| 89 | International Spread and Persistence of TEM-24 Is Caused by the Confluence of Highly Penetrating Enterobacteriaceae Clones and an IncA/C <sub>2</sub> Plasmid Containing Tn 1696 ::Tn 1 and IS 5075 -Tn 21. Antimicrobial Agents and Chemotherapy, 2010, 54, 825-834. | 3.2 | 41 |
| 90 | Polymorphic Variation in Susceptibility and Metabolism of Triclosan-Resistant Mutants of Escherichia coli and Klebsiella pneumoniae Clinical Strains Obtained after Exposure to Biocides and Antibiotics. Antimicrobial Agents and Chemotherapy, 2015, 59, 3413-3423. | 3.2 | 41 |

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| 91 | Mutational Events in Cefotaximase Extended-Spectrum Î²-Lactamases of the CTX-M-1 Cluster Involved in Ceftazidime Resistance. Antimicrobial Agents and Chemotherapy, 2008, 52, 2377-2382. | 3.2 | 40 |
| 92 | Dissemination of Novel Antimicrobial Resistance Mechanisms through the Insertion Sequence Mediated Spread of Metabolic Genes. Frontiers in Microbiology, 2016, 7, 1008. | 3.5 | 40 |
| 93 | Distribution of putative virulence markers in Enterococcus faecium: towards a safety profile review. Journal of Antimicrobial Chemotherapy, 2018, 73, 306-319. | 3.0 | 40 |
| 94 | Multiple adaptive routes of Salmonella enterica Typhimurium to biocide and antibiotic exposure. BMC Genomics, 2016, 17, 491. | 2.8 | 39 |
| 95 | Comparative in-vitro activity of the new fluoroquinolone trovafloxacin (CP-99,219) against Gram-positive cocci. Journal of Antimicrobial Chemotherapy, 1996, 37, 1011-1016. | 3.0 | 37 |
| 96 | Increased Mutation Frequencies in Escherichia coli Isolates Harboring Extended-Spectrum Î²-Lactamases. Antimicrobial Agents and Chemotherapy, 2005, 49, 4754-4756. | 3.2 | 37 |
| 97 | Multilevel population genetics in antibiotic resistance. FEMS Microbiology Reviews, 2011, 35, 705-706. | 8.6 | 37 |
| 98 | Allodemics. Lancet Infectious Diseases, The, 2002, 2, 591-592. | 9.1 | 36 |
| 99 | Local Genetic Patterns within a Vancomycin-Resistant Enterococcus faecalis Clone Isolated in Three Hospitals in Portugal. Antimicrobial Agents and Chemotherapy, 2004, 48, 3613-3617. | 3.2 | 35 |
| 100 | Diversity and biofilm-production ability among isolates of Escherichia coli phylogroup D belonging to ST69, ST393 and ST405 clonal groups. BMC Microbiology, 2013, 13, 144. | 3.3 | 35 |
| 101 | Significant Differences Characterise the Correlation Coefficients between Biocide and Antibiotic Susceptibility Profiles in Staphylococcus aureus. Current Pharmaceutical Design, 2015, 21, 2054-2057. | 1.9 | 35 |
| 102 | Sequencing of plasmids pAMBL1 and pAMBL2 fromPseudomonas aeruginosareveals abla<sub>VIM-1</sub>amplification causing high-level carbapenem resistance. Journal of Antimicrobial Chemotherapy, 2015, 70, 3000-3003. | 3.0 | 35 |
| 103 | Antimicrobial resistance among faecal enterococci from healthy individuals in Portugal. Clinical Microbiology and Infection, 2006, 12, 1131-1134. | 6.0 | 34 |
| 104 | In117, an Unusual In0-Like Class 1 Integron Containing CR1 and bla CTX-M-2 and Associated with a Tn 21 -Like Element. Antimicrobial Agents and Chemotherapy, 2006, 50, 799-802. | 3.2 | 34 |
| 105 | Co-diversification of Enterococcus faecium Core Genomes and PBP5: Evidences of pbp5 Horizontal Transfer. Frontiers in Microbiology, 2016, 7, 1581. | 3.5 | 34 |
| 106 | Assessment of prevalence and changing epidemiology of extended-spectrum Î²-lactamaseâ€“producing Enterobacteriaceae fecal carriers using a chromogenic medium. Diagnostic Microbiology and Infectious Disease, 2010, 67, 376-379. | 1.8 | 32 |
| 107 | Clonal outbreak of ST17 multidrug-resistant Enterococcus faecium harbouring an Inc18-like::Tn1546 plasmid in a haemo-oncology ward of a Spanish hospital. Journal of Antimicrobial Chemotherapy, 2012, 67, 832-836. | 3.0 | 32 |
| 108 | The challenges of designing a benchmark strategy for bioinformatics pipelines in the identification of antimicrobial resistance determinants using next generation sequencing technologies. F1000Research, 2018, 7, 459. | 1.6 | 31 |

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|---|---|---|---|
| 109 | Identification of Enterococcus faecalis strains by DNA hybridization and pulsed-field gel electrophoresis. Journal of Clinical Microbiology, 1995, 33, 3368-3369. | 3.9 | 30 |
| 110 | Commensal Enterobacteriaceae as reservoirs of extended-spectrum beta-lactamases, integrons, and sul genes in Portugal. Frontiers in Microbiology, 2013, 4, 80. | 3.5 | 29 |
| 111 | Water supply and feed as sources of antimicrobial-resistant Enterococcus spp. in aquacultures of rainbow trout (Oncorhyncus mykiss), Portugal. Science of the Total Environment, 2018, 625, 1102-1112. | 8.0 | 29 |
| 112 | Recurrent group B streptococcal disease in infants: Who should receive rifampin?. Journal of Pediatrics, 1998, 132, 537-539. | 1.8 | 28 |
| 113 | Risk factors associated with ampicillin resistance in patients with bacteraemia caused by Enterococcus faecium. Journal of Antimicrobial Chemotherapy, 2002, 50, 1003-1009. | 3.0 | 28 |
| 114 | First Report of Vancomycinâ€Resistant Enterococcus faecium Isolated in Argentina. Clinical Infectious Diseases, 1998, 26, 235-236. | 5.8 | 27 |
| 115 | Contribution of IncFII and Broad-Host IncA/C and IncN Plasmids to the Local Expansion and Diversification of Phylogroup B2 Escherichia coli ST131 Clones Carrying bla <sub>CTX-M-15</sub> and qnrS1 Genes. Antimicrobial Agents and Chemotherapy, 2012, 56, 2763-2766. | 3.2 | 27 |
| 116 | Widening the Spaces of Selection: Evolution along Sublethal Antimicrobial Gradients. MBio, 2014, 5, e02270. | 4.1 | 27 |
| 117 | Enterococcus spp. in Ragusano PDO and Pecorino Siciliano cheese types: A snapshot of their antibiotic resistance distribution. Food and Chemical Toxicology, 2018, 120, 277-286. | 3.6 | 27 |
| 118 | Leakage into Portuguese aquatic environments of extended-spectrum-Â-lactamase-producing Enterobacteriaceae. Journal of Antimicrobial Chemotherapy, 2009, 63, 616-618. | 3.0 | 26 |
| 119 | In vitro activity of the trinem sanfetrinem (GV104326) against gram-positive organisms. Antimicrobial Agents and Chemotherapy, 1996, 40, 2142-2146. | 3.2 | 24 |
| 120 | Molecular Characterization of Glycopeptide-Resistant Enterococcus faecium Isolates from Portuguese Hospitals. Antimicrobial Agents and Chemotherapy, 2005, 49, 3073-3079. | 3.2 | 24 |
| 121 | Genetic and phenotypic differences among Enterococcus faecalis clones from intestinal colonisation and invasive disease. Clinical Microbiology and Infection, 2006, 12, 1193-1198. | 6.0 | 24 |
| 122 | The challenges of designing a benchmark strategy for bioinformatics pipelines in the identification of antimicrobial resistance determinants using next generation sequencing technologies. F1000Research, 2018, 7, 459. | 1.6 | 24 |
| 123 | Non-susceptibility to tigecycline in enterococci from hospitalised patients, food products and community sources. International Journal of Antimicrobial Agents, 2011, 38, 174-176. | 2.5 | 23 |
| 124 | A 21-Year Survey of Escherichia coli from Bloodstream Infections (BSI) in a Tertiary Hospital Reveals How Community-Hospital Dynamics of B2 Phylogroup Clones Influence Local BSI Rates. MSphere, 2021, 6, e0086821. | 2.9 | 23 |
| 125 | Emergence of an IncIÂ plasmid encoding CMY-2 Â-lactamase associated with the international ST19 OXA-30-producing Â-lactamase Salmonella Typhimurium multidrug-resistant clone. Journal of Antimicrobial Chemotherapy, 2010, 65, 2097-2100. | 3.0 | 22 |
| 126 | High-density fecal Enterococcus faecium colonization in hospitalized patients is associated with the presence of the polyclonal subcluster CC17. European Journal of Clinical Microbiology and Infectious Diseases, 2012, 31, 519-522. | 2.9 | 22 |

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|---|---|---|---|
| 127 | Counteracting antibiotic resistance: breaking barriers among antibacterial strategies. Expert Opinion on Therapeutic Targets, 2014, 18, 851-861. | 3.4 | 22 |
| 128 | Population Analysis and Epidemiological Features of Inhibitor-Resistant-TEM-Î²-Lactamase-Producing Escherichia coli Isolates from both Community and Hospital Settings in Madrid, Spain. Journal of Clinical Microbiology, 2010, 48, 2368-2372. | 3.9 | 21 |
| 129 | A membrane computing simulator of trans-hierarchical antibiotic resistance evolution dynamics in nested ecological compartments (ARES). Biology Direct, 2015, 10, 41. | 4.6 | 21 |
| 130 | Fitness Costs of Plasmids: A Limit to Plasmid Transmission. , 0, , 65-79. | | 18 |
| 131 | Validation of the VITEK2 and the advance expert system with a collection of enterobacteriaceae harboring extended spectrum or inhibitor resistant Î²-lactamases. Diagnostic Microbiology and Infectious Disease, 2001, 41, 65-70. | 1.8 | 17 |
| 132 | Emergence of CTX-M Î²-lactamase-producing Enterobacteriaceae in Portugal: report of an Escherichia coli isolate harbouring blaCTX-M-14. Clinical Microbiology and Infection, 2004, 10, 755-757. | 6.0 | 17 |
| 133 | The interplay between community and hospital Enterococcus faecium clones within health-care settings: a genomic analysis. Lancet Microbe, The, 2022, 3, e133-e141. | 7.3 | 17 |
| 134 | First Report of an OXA-48- and CTX-M-213-Producing Kluyvera Species Clone Recovered from Patients Admitted in a University Hospital in Madrid, Spain. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 16 |
| 135 | Vancomycin-resistantEnterococcus faeciumClone in Swine, Europe. Emerging Infectious Diseases, 2005, 11, 1985-1987. | 4.3 | 15 |
| 136 | Different Genetic Supports for the tet (S) Gene in Enterococci. Antimicrobial Agents and Chemotherapy, 2012, 56, 6014-6018. | 3.2 | 15 |
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