

Sara Hernando-Amado

List of Publications by Year in descending order

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33
papers

2,456
citations

361413

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h-index

414414

32
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36
docs citations

36
times ranked

3314
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining and combating antibiotic resistance from One Health and Global Health perspectives. <i>Nature Microbiology</i> , 2019, 4, 1432-1442.	13.3	614
2	Bacterial Multidrug Efflux Pumps: Much More Than Antibiotic Resistance Determinants. <i>Microorganisms</i> , 2016, 4, 14.	3.6	486
3	Multidrug Efflux Pumps at the Crossroad between Antibiotic Resistance and Bacterial Virulence. <i>Frontiers in Microbiology</i> , 2016, 7, 1483.	3.5	180
4	Multidrug efflux pumps as main players in intrinsic and acquired resistance to antimicrobials. <i>Drug Resistance Updates</i> , 2016, 28, 13-27.	14.4	139
5	Prediction of the intestinal resistome by a three-dimensional structure-based method. <i>Nature Microbiology</i> , 2019, 4, 112-123.	13.3	129
6	Mutation-Driven Evolution of <i>Pseudomonas aeruginosa</i> in the Presence of either Ceftazidime or Ceftazidime-Avibactam. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	83
7	A Function of SmeDEF, the Major Quinolone Resistance Determinant of <i>Stenotrophomonas maltophilia</i> , Is the Colonization of Plant Roots. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4559-4565.	3.1	75
8	Antibiotic Resistance: Moving From Individual Health Norms to Social Norms in One Health and Global Health. <i>Frontiers in Microbiology</i> , 2020, 11, 1914.	3.5	64
9	Fitness costs associated with the acquisition of antibiotic resistance. <i>Essays in Biochemistry</i> , 2017, 61, 37-48.	4.7	62
10	The family of DOF transcription factors in <i>Brachypodium distachyon</i> : phylogenetic comparison with rice and barley DOFs and expression profiling. <i>BMC Plant Biology</i> , 2012, 12, 202.	3.6	54
11	Mutational Evolution of <i>Pseudomonas aeruginosa</i> Resistance to Ribosome-Targeting Antibiotics. <i>Frontiers in Genetics</i> , 2018, 9, 451.	2.3	52
12	Structure, expression profile and subcellular localisation of four different sucrose synthase genes from barley. <i>Planta</i> , 2011, 234, 391-403.	3.2	45
13	Antibiotic Resistance Evolution Is Contingent on the Quorum-Sensing Response in <i>Pseudomonas aeruginosa</i> . <i>Molecular Biology and Evolution</i> , 2019, 36, 2238-2251.	8.9	40
14	Naringenin Inhibition of the <i>Pseudomonas aeruginosa</i> Quorum Sensing Response Is Based on Its Time-Dependent Competition With N-(3-Oxo-dodecanoyl)-L-homoserine Lactone for LasR Binding. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 25.	3.5	40
15	<i>Pseudomonas aeruginosa</i> : an antibiotic resilient pathogen with environmental origin. <i>Current Opinion in Microbiology</i> , 2021, 64, 125-132.	5.1	38
16	Rapid and robust evolution of collateral sensitivity in <i>Pseudomonas aeruginosa</i> antibiotic-resistant mutants. <i>Science Advances</i> , 2020, 6, eaba5493.	10.3	33
17	Coming from the Wild: Multidrug Resistant Opportunistic Pathogens Presenting a Primary, Not Human-Linked, Environmental Habitat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8080.	4.1	33
18	Antimicrobial resistance: A multifaceted problem with multipronged solutions. <i>MicrobiologyOpen</i> , 2019, 8, e945.	3.0	32

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19	The development of efflux pump inhibitors to treat Gram-negative infections. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 919-931.	5.0	30
20	Characterization of a novel Zn ²⁺ -dependent intrinsic imipenemase from <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2972-2978.	3.0	26
21	Wildlife and Antibiotic Resistance. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	3.9	23
22	Evolution under low antibiotic concentrations: a risk for the selection of <i>Pseudomonas aeruginosa</i> multidrug-resistant mutants in nature. <i>Environmental Microbiology</i> , 2022, 24, 1279-1293.	3.8	22
23	Novel Inducers of the Expression of Multidrug Efflux Pumps That Trigger <i>Pseudomonas aeruginosa</i> Transient Antibiotic Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	20
24	Convergent phenotypic evolution towards fosfomycin collateral sensitivity of <i>Pseudomonas aeruginosa</i> antibiotic-resistant mutants. <i>Microbial Biotechnology</i> , 2022, 15, 613-629.	4.2	19
25	Mutational background influences <i>P. aeruginosa</i> ciprofloxacin resistance evolution but preserves collateral sensitivity robustness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2109370119.	7.1	18
26	The analysis of the antibiotic resistome offers new opportunities for therapeutic intervention. <i>Future Medicinal Chemistry</i> , 2016, 8, 1133-1151.	2.3	17
27	Analysis of the <i>Pseudomonas aeruginosa</i> Aminoglycoside Differential Resistomes Allows Defining Genes Simultaneously Involved in Intrinsic Antibiotic Resistance and Virulence. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	17
28	Evolutionary landscapes of <i>Pseudomonas aeruginosa</i> towards ribosome-targeting antibiotic resistance depend on selection strength. <i>International Journal of Antimicrobial Agents</i> , 2020, 55, 105965.	2.5	16
29	Discovery of inhibitors of <i>Pseudomonas aeruginosa</i> virulence through the search for natural-like compounds with a dual role as inducers and substrates of efflux pumps. <i>Environmental Microbiology</i> , 2021, 23, 7396-7411.	3.8	16
30	Rapid Decline of Ceftazidime Resistance in Antibiotic-Free and Sublethal Environments Is Contingent on Genetic Background. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	16
31	Evolution of Habitat-Dependent Antibiotic Resistance in <i>Pseudomonas aeruginosa</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	11
32	Use of phenotype microarrays to study the effect of acquisition of resistance to antimicrobials in bacterial physiology. <i>Research in Microbiology</i> , 2016, 167, 723-730.	2.1	5
33	Emergence of intrinsically resistant Gram-negative bacteria with an environmental primary habitat. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 21002296.	2.5	0