

Rita G Sobral

List of Publications by Year in descending order

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32
papers

1,372
citations

471509

17
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial cellulose: a versatile biopolymer for wound dressing applications. <i>Microbial Biotechnology</i> , 2019, 12, 586-610.	4.2	341
2	Antibiotic Resistance As a Stress Response: Complete Sequencing of a Large Number of Chromosomal Loci in <i>Staphylococcus aureus</i> Strain COL That Impact on the Expression of Resistance to Methicillin. <i>Microbial Drug Resistance</i> , 1999, 5, 163-175.	2.0	147
3	Identification and Antibiotic Susceptibility Profiling of Infectious Bacterial Agents: A Review of Current and Future Trends. <i>Biotechnology Journal</i> , 2019, 14, e1700750.	3.5	105
4	Identification of Genetic Determinants and Enzymes Involved with the Amidation of Glutamic Acid Residues in the Peptidoglycan of <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002508.	4.7	90
5	SEDS ⁺ BPB pairs direct lateral and septal peptidoglycan synthesis in <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , 2019, 4, 1368-1377.	13.3	77
6	Extensive and Genome-Wide Changes in the Transcription Profile of <i>Staphylococcus aureus</i> Induced by Modulating the Transcription of the Cell Wall Synthesis Gene <i>murF</i> . <i>Journal of Bacteriology</i> , 2007, 189, 2376-2391.	2.2	69
7	Evidence for the evolutionary steps leading to <i>mecA</i> -mediated β -lactam resistance in staphylococci. <i>PLoS Genetics</i> , 2017, 13, e1006674.	3.5	63
8	Role of <i>murF</i> in Cell Wall Biosynthesis: Isolation and Characterization of a <i>murF</i> Conditional Mutant of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 2543-2553.	2.2	54
9	Normally Functioning <i>murF</i> Is Essential for the Optimal Expression of Methicillin Resistance in <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , 2003, 9, 231-241.	2.0	47
10	Genomic identification of cryptic susceptibility to penicillins and β -lactamase inhibitors in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Nature Microbiology</i> , 2019, 4, 1680-1691.	13.3	47
11	Role of <i>murE</i> in the Expression of β -Lactam Antibiotic Resistance in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1705-1713.	2.2	41
12	Antifouling Napyradiomycins from Marine-Derived Actinomycetes <i>Streptomyces aculeolatus</i> . <i>Marine Drugs</i> , 2020, 18, 63.	4.6	39
13	Choline-Based Ionic Liquids: Improvement of Antimicrobial Activity. <i>ChemistrySelect</i> , 2016, 1, 5909-5916.	1.5	36
14	Bacterial autolysins trim cell surface peptidoglycan to prevent detection by the <i>Drosophila</i> innate immune system. <i>ELife</i> , 2014, 3, e02277.	6.0	32
15	Distinct Phenotypic and Genomic Signatures Underlie Contrasting Pathogenic Potential of <i>Staphylococcus epidermidis</i> Clonal Lineages. <i>Frontiers in Microbiology</i> , 2019, 10, 1971.	3.5	32
16	Intra-clade metabolomic profiling of MAR4 <i>Streptomyces</i> from the Macaronesia Atlantic region reveals a source of anti-biofilm metabolites. <i>Environmental Microbiology</i> , 2019, 21, 1099-1112.	3.8	31
17	Contribution of Peptidoglycan Amidation to Beta-Lactam and Lysozyme Resistance in Different Genetic Lineages of <i>Staphylococcus aureus</i> . <i>Microbial Drug Resistance</i> , 2014, 20, 238-249.	2.0	24
18	The glucosaminidase domain of Atl ⁺ the major <i>Staphylococcus aureus</i> autolysin has DNA-binding activity. <i>MicrobiologyOpen</i> , 2014, 3, 247-256.	3.0	15

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19	Living bacteria rheology: Population growth, aggregation patterns, and collective behavior under different shear flows. <i>Physical Review E</i> , 2014, 90, 022720.	2.1	13
20	Real-time rheology of actively growing bacteria. <i>Physical Review E</i> , 2013, 87, .	2.1	12
21	First insights of peptidoglycan amidation in Gram-positive bacteria - the high-resolution crystal structure of <i>Staphylococcus aureus</i> glutamine amidotransferase GatD. <i>Scientific Reports</i> , 2018, 8, 5313.	3.3	12
22	The Staphylococcal Cell Wall. <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	10
23	The Diversity, Metabolomics Profiling, and the Pharmacological Potential of Actinomycetes Isolated from the Estremadura Spur Pockmarks (Portugal). <i>Marine Drugs</i> , 2022, 20, 21.	4.6	8
24	Rotational tumbling of <i>Escherichia coli</i> aggregates under shear. <i>Physical Review E</i> , 2016, 94, 062402.	2.1	6
25	Role of MurT C-Terminal Domain in the Amidation of <i>Staphylococcus aureus</i> Peptidoglycan. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	6
26	Motility and cell shape roles in the rheology of growing bacteria cultures. <i>European Physical Journal E</i> , 2019, 42, 26.	1.6	6
27	Unveiling the Mechanism of Action of 7 β -acetoxyl-6 β -hydroxyroleanone on an MRSA/VISA Strain: Membrane and Cell Wall Interactions. <i>Biomolecules</i> , 2020, 10, 983.	4.0	5
28	Purification, crystallization and preliminary X-ray diffraction analysis of GatD, a glutamine amidotransferase-like protein from <i>Staphylococcus aureus</i> peptidoglycan. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 632-635.	0.8	1
29	Biological activities of marine-derived actinomycetes: testing the aqueous extracellular phase of <i>Streptomyces aculeolatus</i> . <i>Annals of Medicine</i> , 2024, 51, 44-44.	3.8	1
30	The Staphylococcal Cell Wall. , 0, , 574-591.		1
31	Antibiotic Activity Screened by the Rheology of <i>S. aureus</i> Cultures. <i>Fluids</i> , 2020, 5, 76.	1.7	1
32	Rheology of living cells. , 2019, , .		0