MarcosÂ M Pires

List of Publications by Year
in descending order

45 papers	1,522 citations	361388 20 h-index	330122 37 g-index
58 all docs	58 docs citations	58 times ranked	1936 citing authors

#	Article	IF	Citations
1	Impact of crossbridge structure on peptidoglycan crosslinking: A synthetic stem peptide approach. Methods in Enzymology, 2022, 665, 259-279.	1.0	4
2	Targeting of Pseudomonas aeruginosa cell surface via GP12, an Escherichia coli specific bacteriophage protein. Scientific Reports, 2022, 12, 721.	3.3	1
3	Selective Display of a Chemoattractant Agonist on Cancer Cells Activates the Formyl Peptide Receptor 1â€‰on Immune Cells**. ChemBioChem, 2022, 23, .	2.6	3
4	Genetic Determinants of Surface Accessibility in Staphylococcus aureus. Bioconjugate Chemistry, 2022, 33, 767-772.	3.6	4
5	Metabolic Processing of Selenium-Based Bioisosteres of meso-Diaminopimelic Acid in Live Bacteria. Biochemistry, 2022, 61, 1404-1414.	2.5	9
6	Induction of Endogenous Antibody Recruitment to the Surface of the Pathogen Enterococcus faecium. ACS Infectious Diseases, 2021, 7, 1116-1125.	3.8	16
7	SaccuFlow: A High-Throughput Analysis Platform to Investigate Bacterial Cell Wall Interactions. ACS Infectious Diseases, 2021, 7, 2483-2491.	3.8	18
8	Systematic Assessment of Accessibility to the Surface of Staphylococcus aureus. ACS Chemical Biology, 2021, 16, 2527-2536.	3.4	15
9	Facile Synthesis and Metabolic Incorporation of m-DAP Bioisosteres Into Cell Walls of Live Bacteria. ACS Chemical Biology, 2020, 15, 2966-2975.	3.4	21
10	pH-Dependent Grafting of Cancer Cells with Antigenic Epitopes Promotes Selective Antibody-Mediated Cytotoxicity. Journal of Medicinal Chemistry, 2020, 63, 3713-3722.	6.4	11
11	Remodeling of Cross-bridges Controls Peptidoglycan Cross-linking Levels in Bacterial Cell Walls. ACS Chemical Biology, 2020, 15, 1261-1267.	3.4	32
12	Broadening Activity of Polymyxin by Quaternary Ammonium Grafting. ACS Infectious Diseases, 2020, 6, 1427-1435.	3.8	9
13	L,D-Transpeptidase Specific Probe Reveals Spatial Activity of Peptidoglycan Cross-Linking. ACS Chemical Biology, 2019, 14, 2185-2196.	3.4	45
14	Generalized Heterodyne Configurations for Photoinduced Force Microscopy. Analytical Chemistry, 2019, 91, 13251-13259.	6.5	14
15	Synthetic Immunobiotics: A Future Success Story in Small Molecule-Based Immunotherapy?. ACS Infectious Diseases, 2018, 4, 664-672.	3.8	7
16	Insight into Elongation Stages of Peptidoglycan Processing in Bacterial Cytoplasmic Membranes. Scientific Reports, 2018, 8, 17704.	3.3	6
17	Synthetic Immunotherapeutics against Gram-negative Pathogens. Cell Chemical Biology, 2018, 25, 1185-1194.e5.	5.2	29
18	Cell Wall Remodeling by a Synthetic Analog Reveals Metabolic Adaptation in Vancomycin Resistant Enterococci. ACS Chemical Biology, 2017, 12, 1913-1918.	3.4	8

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19	VancomycinâEDependent Response in Live DrugâEResistant Bacteria by Metabolic Labeling. Angewandte Chemie - International Edition, 2017, 56, 8839-8843.	13.8	21
20	VancomycinâEDependent Response in Live DrugâEResistant Bacteria by Metabolic Labeling. Angewandte Chemie, 2017, 129, 8965-8969.	2.0	7
21	Immuno-targeting of Staphylococcus aureus via surface remodeling complexes. Chemical Science, 2017, 8, 6804-6809.	7.4	16
22	Cell Wall Remodeling of Staphylococcus aureus in Live Caenorhabditis elegans. Bioconjugate Chemistry, 2017, 28, 2310-2315.	3.6	31
23	In Vivo Probe of Lipidâ€…IIâ€Interacting Proteins. Angewandte Chemie, 2016, 128, 8541-8544.	2.0	6
24	Simple Strategy for Taming Membrane-Disrupting Antibiotics. Bioconjugate Chemistry, 2016, 27, 2850-2853.	3.6	10
25	In Vivo Probe of Lipidâ€…IIâ€Interacting Proteins. Angewandte Chemie - International Edition, 2016, 55, 8401-8404.	13.8	38
26	Dipeptide-Based Metabolic Labeling of Bacterial Cells for Endogenous Antibody Recruitment. ACS Infectious Diseases, 2016, 2, 302-309.	3.8	30
27	Combatting Bacterial Pathogens with Immunomodulation and Infection Tolerance Strategies. Current Topics in Medicinal Chemistry, 2016, 17, 290-304.	2.1	19
28	PAD2 Activity Monitored via a Fluorescent Substrate Analog. Chemical Biology and Drug Design, 2015, 86, 599-605.	3.2	0
29	Metabolic Profiling of Bacteria by Unnatural Câ€terminated <scp>D</scp>â€Amino Acids. Angewandte Chemie - International Edition, 2015, 54, 6158-6162.	13.8	53
30	<scp>dâ€</scp>amino carboxamideâ€based recruitment of dinitrophenol antibodies to bacterial surfaces via peptidoglycan remodeling. Biopolymers, 2015, 104, 351-359.	2.4	21
31	d-Amino Acid Probes for Penicillin Binding Protein-based Bacterial Surface Labeling. Journal of Biological Chemistry, 2015, 290, 30540-30550.	3.4	54
32	d-Amino Acids Do Not Inhibit Biofilm Formation in Staphylococcus aureus. PLoS ONE, 2015, 10, e0117613.	2.5	38
33	Quinine Dimers Are Potent Inhibitors of the Plasmodium falciparum Chloroquine Resistance Transporter and Are Active against Quinoline-Resistant P. falciparum. ACS Chemical Biology, 2014, 9, 722-730.	3.4	34
34	<scp>d</scp>-Amino Acid Mediated Recruitment of Endogenous Antibodies to Bacterial Surfaces. ACS Chemical Biology, 2014, 9, 1480-1489.	3.4	56
35	Fluorescence-based Monitoring of PAD4 Activity via a Pro-fluorescence Substrate Analog. Journal of Visualized Experiments, 2014, , e52114.	0.3	2
36	Facile Fluorescenceâ€Based Detection of PAD4â€Mediated Citrullination. ChemBioChem, 2013, 14, 963-967.	2.6	22

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37	Controlling the Morphology of Metal-Promoted Higher Ordered Assemblies of Collagen Peptides with Varied Core Lengths. Langmuir, 2012, 28, 1993-1997.	3.5	39
38	Alteration of the oxygen-dependent reactivity of de novo Due Ferri proteins. Nature Chemistry, 2012, 4, 900-906.	13.6	118
39	Selective Decoration and Release of His-tagged Proteins from Metal-Assembled Collagen Peptide Microflorettes. Biomacromolecules, 2011, 12, 2429-2433.	5.4	25
40	Metal-Mediated Tandem Coassembly of Collagen Peptides into Banded Microstructures. Journal of the American Chemical Society, 2011, 133, 14469-14471.	13.7	62
41	Inhibition of P-Glycoprotein-Mediated Paclitaxel Resistance by Reversibly Linked Quinine Homodimers. Molecular Pharmacology, 2009, 75, 92-100.	2.3	93
42	A Metalâ€“Collagen Peptide Framework for Threeâ€Dimensional Cell Culture. Angewandte Chemie - International Edition, 2009, 48, 7813-7817.	13.8	107
43	Self-assembly of Collagen Peptides into Microflorettes via Metal Coordination. Journal of the American Chemical Society, 2009, 131, 2706-2712.	13.7	130
44	Inhibition of human P-glycoprotein transport and substrate binding using a galantamine dimer. Biochemical and Biophysical Research Communications, 2009, 388, 672-676.	2.1	34
45	Fluorescence Imaging of Cellular Glutathione Using a Latent Rhodamine. Organic Letters, 2008, 10, 837-840.	4.6	193