Beatriz Maestro

List of Publications by Year
in descending order

40	913	471061 17	476904 29
papers	citations	h-index	g-index

42	42	42	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inter-hairpin linker sequences determine the structure of the Î²Î²-solenoid fold: a â€œbottom-upâ€•study of pneumococcal LytA choline-binding module. International Journal of Biological Macromolecules, 2021, 190, 679-692.	3.6	1
2	Choline-Functionalized Supramolecular Copolymers: Toward Antimicrobial Activity against Streptococcus pneumoniae. Biomacromolecules, 2021, , .	2.6	1
3	Turncoat Polypeptides: We Adapt to Our Environment. ChemBioChem, 2020, 21, 432-441.	1.3	7
4	Searching for Antipneumococcal Targets: Choline-Binding Modules as Phagocytosis Enhancers. ACS Infectious Diseases, 2020, 6, 954-974.	1.8	12
5	CLytA-DAAO, Free and Immobilized in Magnetic Nanoparticles, Induces Cell Death in Human Cancer Cells. Biomolecules, 2020, 10, 222.	1.8	19
6	Dissecting the Polyhydroxyalkanoate-Binding Domain of the PhaF Phasin: Rational Design of a Minimized Affinity Tag. Applied and Environmental Microbiology, 2020, 86, .	1.4	7
7	Role of leucine zipper-like motifs in the oligomerization of Pseudomonas putida phasins. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 362-370.	1.1	15
8	Widening the antimicrobial spectrum of esters of bicyclic amines: In vitro effect on gram-positive Streptococcus pneumoniae and gram-negative non-typeable Haemophilus influenzae biofilms. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 96-104.	1.1	5
9	Roles of Amphipathicity and Hydrophobicity in the Micelleâ€Driven Structural Switch of a 14â€mer Peptide Core from a Cholineâ€Binding Repeat. Chemistry - A European Journal, 2018, 24, 5825-5839.	1.7	7
10	Poly-3-Hydroxybutyrate Functionalization with BioF-Tagged Recombinant Proteins. Applied and Environmental Microbiology, 2018, 84, .	1.4	10
11	Comprehensive Study of the Enzymatic Catalysis of the Electrochemical Oxygen Reduction Reaction (ORR) by Immobilized Copper Efflux Oxidase (CueO) From Escherichia coli. Frontiers in Chemistry, 2018, 6, 358.	1.8	20
12	An enzymatic system for decolorization of wastewater dyes using immobilized CueO laccaseâ€like multicopper oxidase on polyâ€3â€hydroxybutyrate. Microbial Biotechnology, 2018, 11, 881-892.	2.0	30
13	Polyhydroxyalkanoateâ€associated phasins as phylogenetically heterogeneous, multipurpose proteins. Microbial Biotechnology, 2017, 10, 1323-1337.	2.0	46
14	Microbes go nano. Microbial Biotechnology, 2017, 10, 17-18.	2.0	2
15	Choline Binding Proteins from Streptococcus pneumoniae: A Dual Role as Enzybiotics and Targets for the Design of New Antimicrobials. Antibiotics, 2016, 5, 21.	1.5	66
16	Micelleâ€Triggered Î²â€Hairpin to Îâ€Helix Transition in a 14â€Residue Peptide from a Cholineâ€Binding Repeat of the Pneumococcal Autolysin LytA. Chemistry - A European Journal, 2015, 21, 8076-8089.	1.7	16
17	Aromatic Esters of Bicyclic Amines as Antimicrobials against Streptococcus pneumoniae. Angewandte Chemie - International Edition, 2015, 54, 13673-13677.	7.2	7
18	The loss of function of <scp>PhaC</scp>1 is a survival mechanism that counteracts the stress caused by the overproduction of polyâ€3â€hydroxyalkanoates in <scp>P</scp>seudomonas putidaÎ”<scp>fadBA</scp>. Environmental Microbiology, 2015, 17, 3182-3194.	1.8	4

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19	Specific and Reversible Immobilization of Proteins Tagged to the Affinity Polypeptide C-LytA on Functionalized Graphite Electrodes. PLoS ONE, 2014, 9, e87995.	1.1	19
20	Probing the Electrocatalytic Oxygen Reduction Reaction Reactivity of Immobilized Multicopper Oxidase CueO. Journal of Physical Chemistry C, 2014, 118, 15754-15765.	1.5	17
21	Crystallographic orientation and electrode nature are key factors for electric current generation by Geobacter sulfurreducens. Bioelectrochemistry, 2014, 98, 11-19.	2.4	14
22	Crystal structures of CbpF complexed with atropine and ipratropium reveal clues for the design of novel antimicrobials against Streptococcus pneumoniae. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 129-135.	1.1	10
23	Multivalent Choline Dendrimers Increase Phagocytosis ofStreptococcus pneumoniaeR6 by Microglial Cells. Chemotherapy, 2013, 59, 138-142.	0.8	17
24	A New Family of Intrinsically Disordered Proteins: Structural Characterization of the Major Phasin PhaF from Pseudomonas putida KT2440. PLoS ONE, 2013, 8, e56904.	1.1	51
25	Nucleoidâ€associated PhaF phasin drives intracellular location and segregation of polyhydroxyalkanoate granules in Pseudomonas putida KT2442. Molecular Microbiology, 2011, 79, 402-418.	1.2	102
26	Recognition of peptidoglycan and Î²-lactam antibiotics by the extracellular domain of the Ser/Thr protein kinase StkP fromStreptococcus pneumoniae. FEBS Letters, 2011, 585, 357-363.	1.3	72
27	Structural autonomy of a Î²-hairpin peptide derived from the pneumococcal choline-binding protein LytA. Protein Engineering, Design and Selection, 2011, 24, 113-122.	1.0	10
28	Rational stabilization of the C-LytA affinity tag by protein engineering. Protein Engineering, Design and Selection, 2011, 24, 531-531.	1.0	0
29	The PhaD regulator controls the simultaneous expression of the pha genes involved in polyhydroxyalkanoate metabolism and turnover in Pseudomonas putida KT2442. Environmental Microbiology, 2010, 12, 1591-1603.	1.8	59
30	Characterization of Snail nuclear import pathways as representatives of C2H2 zinc finger transcription factors. Journal of Cell Science, 2009, 122, 1452-1460.	1.2	54
31	Multivalent Choline Dendrimers as Potent Inhibitors of Pneumococcal Cellâ€Wall Hydrolysis. Angewandte Chemie - International Edition, 2009, 48, 948-951.	7.2	25
32	Affinity partitioning of proteins tagged with choline-binding modules in aqueous two-phase systems. Journal of Chromatography A, 2008, 1208, 189-196.	1.8	31
33	Polyâ€3â€hydroxyalkanoate synthases from Pseudomonas putida U: substrate specificity and ultrastructural studies. Microbial Biotechnology, 2008, 1, 170-176.	2.0	15
34	Rational stabilization of the C-LytA affinity tag by protein engineering. Protein Engineering, Design and Selection, 2008, 21, 709-720.	1.0	5
35	Novel Approaches To Fight Streptococcus pneumoniae. Recent Patents on Anti-infective Drug Discovery, 2007, 2, 188-196.	0.5	17
36	Extensive unfolding of the C-LytA choline-binding module by submicellar concentrations of sodium dodecyl sulphate. FEBS Letters, 2007, 581, 375-381.	1.3	10

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37	Inhibition of pneumococcal choline-binding proteins and cell growth by esters of bicyclic amines. FEBS Journal, 2007, 274, 364-376.	2.2	31
38	Accumulation of partly folded states in the equilibrium unfolding of the pneumococcal choline-binding module C-LytA. Biochemical Journal, 2005, 387, 479-488.	1.7	17
39	Modulation of pPS10 Host Range by Plasmid-Encoded RepA Initiator Protein. Journal of Bacteriology, 2003, 185, 1367-1375.	1.0	37
40	Modulation of pPS10 host range by DnaA. Molecular Microbiology, 2002, 46, 223-234.	1.2	23