Paola Sperandeo

List of Publications by Year
in descending order

31 papers	1,366 citations	430874 18 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	1229 citing authors

#	Article	IF	Citations
1	On-cell saturation transfer difference NMR for the identification of FimH ligands and inhibitors. Bioorganic Chemistry, 2021, 112, 104876.	4.1	4
2	Covalent Grafting of Antimicrobial Peptides onto Microcrystalline Cellulose. ACS Applied Bio Materials, 2020, 3, 4895-4901.	4.6	22
3	Leptin, Resistin, and Proprotein Convertase Subtilisin/Kexin Type 9. American Journal of Pathology, 2020, 190, 2226-2236.	3.8	26
4	Thanatin Impairs Lipopolysaccharide Transport Complex Assembly by Targeting LptCâ€“LptA Interaction and Decreasing LptA Stability. Frontiers in Microbiology, 2020, 11, 909.	3.5	38
5	The Lpt ABC transporter for lipopolysaccharide export to the cell surface. Research in Microbiology, 2019, 170, 366-373.	2.1	17
6	Fat Matters for Bugs: How Lipids and Lipid Modifications Make the Difference in Bacterial Life. European Journal of Lipid Science and Technology, 2019, 121, 1900204.	1.5	4
7	Lysozyme Mucoadhesive Tablets Obtained by Freeze-Drying. Journal of Pharmaceutical Sciences, 2019, 108, 3667-3674.	3.3	11
8	Targeting Bacterial Biofilm: A New LecA Multivalent Ligand with Inhibitory Activity. ChemBioChem, 2019, 20, 2911-2915.	2.6	15
9	Novel photo-thermally active polyvinyl alcohol-Prussian blue nanoparticles hydrogel films capable of eradicating bacteria and mitigating biofilms. Nanotechnology, 2019, 30, 295702.	2.6	22
10	The lipopolysaccharide transport (Lpt) machinery: A nonconventional transporter for lipopolysaccharide assembly at the outer membrane of Gram-negative bacteria. Journal of Biological Chemistry, 2017, 292, 17981-17990.	3.4	66
11	Functional Interaction between the Cytoplasmic ABC Protein LptB and the Inner Membrane LptC Protein, Components of the Lipopolysaccharide Transport Machinery in Escherichia coli. Journal of Bacteriology, 2016, 198, 2192-2203.	2.2	17
12	Lipopolysaccharide Transport to the Cell Surface: New Insights in Assembly into the Outer Membrane. Structure, 2016, 24, 847-849.	3.3	10
13	Crystal structure of LptH, the periplasmic component of the lipopolysaccharide transport machinery from <i>PseudomonasÂaeruginosa</i>. FEBS Journal, 2015, 282, 1980-1997.	4.7	31
14	Dissecting Escherichia coli Outer Membrane Biogenesis Using Differential Proteomics. PLoS ONE, 2014, 9, e100941.	2.5	36
15	The Lipopolysaccharide Export Pathway in Escherichia coli: Structure, Organization and Regulated Assembly of the Lpt Machinery. Marine Drugs, 2014, 12, 1023-1042.	4.6	41
16	Functional Characterization of <i>E. coli</i> LptC: Interaction with LPS and a Synthetic Ligand. ChemBioChem, 2014, 15, 734-742.	2.6	16
17	Arabinose 5-phosphate isomerase as a target for antibacterial design: Studies with substrate analogues and inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 2576-2583.	3.0	10
18	Synthesis and biological evaluation of arabinose 5-phosphate mimics modified at position five. Carbohydrate Research, 2014, 389, 186-191.	2.3	1

#	ARTICLE	IF	CITATIONS
19	LptA Assembles into Rod-Like Oligomers Involving Disorder-to-Order Transitions. Journal of the American Society for Mass Spectrometry, 2013, 24, 1593-1602.	2.8	29
20	Phosphonate Analogues of Arabinose 5â€Phosphate: Putative Ligands for Arabinose 5â€Phosphate Isomerases. European Journal of Organic Chemistry, 2013, 2013, 7776-7784.	2.4	4
21	The Escherichia coli Lpt Transenvelope Protein Complex for Lipopolysaccharide Export Is Assembled via Conserved Structurally Homologous Domains. Journal of Bacteriology, 2013, 195, 1100-1108.	2.2	90
22	Complex transcriptional organization regulates an Escherichia coli locus implicated in lipopolysaccharide biogenesis. Research in Microbiology, 2011, 162, 470-482.	2.1	19
23	Targeting Bacterial Membranes: Identification of <i>Pseudomonas aeruginosa</i><scp>D</scp>â€Arabinoseâ€5P Isomerase and NMR Characterisation of its Substrate Recognition and Binding Properties. ChemBioChem, 2011, 12, 719-727.	2.6	24
24	New Insights into the Lpt Machinery for Lipopolysaccharide Transport to the Cell Surface: LptA-LptC Interaction and LptA Stability as Sensors of a Properly Assembled Transenvelope Complex. Journal of Bacteriology, 2011, 193, 1042-1053.	2.2	86
25	Targeting Bacterial Membranes: NMR Spectroscopy Characterization of Substrate Recognition and Binding Requirements of <scp>D</scp>â€Arabinoseâ€5â€Phosphate Isomerase. Chemistry - A European Journal, 2010, 16, 1897-1902.	3.3	27
26	Probing the active site of the sugar isomerase domain from <i>E. coli</i> arabinoseâ€5â€phosphate isomerase via Xâ€ray crystallography. Protein Science, 2010, 19, 2430-2439.	7.6	19
27	The Kdo Biosynthetic Pathway Toward OM Biogenesis as Target in Antibacterial Drug Design and Development. Current Drug Discovery Technologies, 2009, 6, 19-33.	1.2	24
28	Novel Structure of the Conserved Gram-Negative Lipopolysaccharide Transport Protein A and Mutagenesis Analysis. Journal of Molecular Biology, 2008, 380, 476-488.	4.2	144
29	Functional Analysis of the Protein Machinery Required for Transport of Lipopolysaccharide to the Outer Membrane of <i>Escherichia coli</i>. Journal of Bacteriology, 2008, 190, 4460-4469.	2.2	218
30	Characterization of lptA and lptB , Two Essential Genes Implicated in Lipopolysaccharide Transport to the Outer Membrane of Escherichia coli. Journal of Bacteriology, 2007, 189, 244-253.	2.2	212
31	Non-essential KDO biosynthesis and new essential cell envelope biogenesis genes in the Escherichia coli yrbGâ€"yhbG locus. Research in Microbiology, 2006, 157, 547-558.	2.1	83