David A Six

List of Publications by Year
in descending order

39 papers	4,073 citations	257450 24 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	5630 citing authors

#	Article	IF	Citations
1	The expanding superfamily of phospholipase A2 enzymes: classification and characterization. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1488, 1-19.	2.4	1,171
2	Lipidomics reveals a remarkable diversity of lipids in human plasma. Journal of Lipid Research, 2010, 51, 3299-3305.	4.2	1,071
3	Discovery of new biosynthetic pathways: the lipid A story. Journal of Lipid Research, 2009, 50, S103-S108.	4.2	178
4	In Vivo Phospholipase Activity of the Pseudomonas aeruginosa Cytotoxin ExoU and Protection of Mammalian Cells with Phospholipase A2 Inhibitors. Journal of Biological Chemistry, 2003, 278, 41326-41332.	3.4	172
5	Group IV Cytosolic Phospholipase A2 Binds with High Affinity and Specificity to Phosphatidylinositol 4,5-Bisphosphate Resulting in Dramatic Increases in Activity. Journal of Biological Chemistry, 1998, 273, 2184-2191.	3.4	166
6	VNRX-5133 (Taniborbactam), a Broad-Spectrum Inhibitor of Serine- and Metallo-Î²-Lactamases, Restores Activity of Cefepime in Enterobacterales and Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	123
7	Inhibition of Group IVA Cytosolic Phospholipase A2by Novel 2-Oxoamides in Vitro, in Cells, and in Vivo. Journal of Medicinal Chemistry, 2004, 47, 3615-3628.	6.4	92
8	Novel 2-Oxoamide Inhibitors of Human Group IVA Phospholipase A2. Journal of Medicinal Chemistry, 2002, 45, 2891-2893.	6.4	72
9	Subcellular Chemical Imaging of Antibiotics in Single Bacteria Using C₆₀-Secondary Ion Mass Spectrometry. Analytical Chemistry, 2017, 89, 5050-5057.	6.5	71
10	Phosphate Groups of Lipid A Are Essential for Salmonella enterica Serovar Typhimurium Virulence and Affect Innate and Adaptive Immunity. Infection and Immunity, 2012, 80, 3215-3224.	2.2	70
11	Essential Ca2+-independent Role of the Group IVA Cytosolic Phospholipase A2 C2 Domain for Interfacial Activity. Journal of Biological Chemistry, 2003, 278, 23842-23850.	3.4	69
12	Structureâ^'Activity Relationship of 2-Oxoamide Inhibition of Group IVA Cytosolic Phospholipase A₂and Group V Secreted Phospholipase A₂. Journal of Medicinal Chemistry, 2007, 50, 4222-4235.	6.4	66
13	Salmonella Synthesizing 1-Monophosphorylated Lipopolysaccharide Exhibits Low Endotoxic Activity while Retaining Its Immunogenicity. Journal of Immunology, 2011, 187, 412-423.	0.8	66
14	Iron Acquisition Systems of Gram-negative Bacterial Pathogens Define TonB-Dependent Pathways to Novel Antibiotics. Chemical Reviews, 2021, 121, 5193-5239.	47.7	64
15	Characterization of an Acinetobacter baumannii lptD Deletion Strain: Permeability Defects and Response to Inhibition of Lipopolysaccharide and Fatty Acid Biosynthesis. Journal of Bacteriology, 2016, 198, 731-741.	2.2	57
16	Lipopolysaccharide (LPS) Inner-Core Phosphates Are Required for Complete LPS Synthesis and Transport to the Outer Membrane in Pseudomonas aeruginosa PAO1. MBio, 2011, 2, .	4.1	50
17	Uridine-Based Inhibitors as New Leads for Antibiotics Targeting Escherichia coli LpxC. Biochemistry, 2009, 48, 3068-3077.	2.5	46
18	Complex transcriptional and postâ€transcriptional regulation of an enzyme for lipopolysaccharide modification. Molecular Microbiology, 2013, 89, 52-64.	2.5	45

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19	Purification and Mutagenesis of LpxL, the Lauroyltransferase of Escherichia coli Lipid A Biosynthesis. Biochemistry, 2008, 47, 8623-8637.	2.5	42
20	Palmitoylation State Impacts Induction of Innate and Acquired Immunity by the Salmonella enterica Serovar Typhimurium msbB Mutant. Infection and Immunity, 2011, 79, 5027-5038.	2.2	42
21	Differential Inhibition of Group IVA and Group VIA Phospholipases A2 by 2-Oxoamides. Journal of Medicinal Chemistry, 2006, 49, 2821-2828.	6.4	41
22	A live attenuated strain of Yersinia pestis KIM as a vaccine against plague. Vaccine, 2011, 29, 2986-2998.	3.8	41
23	Advances and challenges in bacterial compound accumulation assays for drug discovery. Current Opinion in Chemical Biology, 2018, 44, 9-15.	6.1	35
24	Purification and Characterization of the Lipid A 1-Phosphatase LpxE of Rhizobium leguminosarum. Journal of Biological Chemistry, 2009, 284, 414-425.	3.4	30
25	Molecular characterization and verification of azido-3,8-dideoxy-d-manno-oct-2-ulosonic acid incorporation into bacterial lipopolysaccharide. Journal of Biological Chemistry, 2017, 292, 19840-19848.	3.4	25
26	Pathogenicity of Yersinia pestis Synthesis of 1-Dephosphorylated Lipid A. Infection and Immunity, 2013, 81, 1172-1185.	2.2	24
27	Synthesis and activity of 2-oxoamides containing long chain Î²-amino acids. Journal of Peptide Science, 2005, 11, 431-435.	1.4	22
28	The sialic acid transporter NanT is necessary and sufficient for uptake of 3â€deoxyâ€<scp>d</scp>â€mannoâ€octâ€2â€ulosonic acid (Kdo) and its azido analog in Escherichia coli. Molecular Microbiology, 2018, 110, 204-218.	2.5	19
29	Development and Optimization of a Higher-Throughput Bacterial Compound Accumulation Assay. ACS Infectious Diseases, 2019, 5, 394-405.	3.8	19
30	Molecular Probes for the Determination of Subcellular Compound Exposure Profiles in Gram-Negative Bacteria. ACS Infectious Diseases, 2018, 4, 1355-1367.	3.8	17
31	A pathway-directed positive growth restoration assay to facilitate the discovery of lipid A and fatty acid biosynthesis inhibitors in Acinetobacter baumannii. PLoS ONE, 2018, 13, e0193851.	2.5	13
32	Fluorescent sensors of siderophores produced by bacterial pathogens. Journal of Biological Chemistry, 2022, 298, 101651.	3.4	12
33	Metabolic phospholipid labeling of intact bacteria enables a fluorescence assay that detects compromised outer membranes. Journal of Lipid Research, 2020, 61, 870-883.	4.2	11
34	Deletion of the Î²-Acetoacetyl Synthase FabY in Pseudomonas aeruginosa Induces Hypoacylation of Lipopolysaccharide and Increases Antimicrobial Susceptibility. Antimicrobial Agents and Chemotherapy, 2014, 58, 153-161.	3.2	10
35	Defects in Efflux (oprM), Î²-Lactamase (ampC), and Lipopolysaccharide Transport () Tj ETQq1 1 0.784314 rgBT /Overl Z61. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	7
36	Correction: Salmonella Synthesizing 1-Monophosphorylated Lipopolysaccharide Exhibits Low Endotoxic Activity while Retaining Its Immunogenicity. Journal of Immunology, 2011, 187, 3449-3449.	0.8	6

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37	The Next-Generation Î²-Lactamase Inhibitor Taniborbactam Restores the Morphological Effects of Cefepime in KPC-Producing Escherichia coli. Microbiology Spectrum, 2021, 9, e0091821.	3.0	5
38	Density gradient enrichment of Escherichia coli lpxL mutants. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 989-993.	2.4	1
39	A New Link in the Biosynthesis and Transport of Lipid A â€•Interaction of MsbA and LpxK. FASEB Journal, 2008, 22, 815.2.	0.5	0