

Martin E Tanner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3939426/publications.pdf>

Version: 2024-02-01

26
papers

1,195
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding Nature's Strategies for Enzyme-Catalyzed Racemization and Epimerization. <i>Accounts of Chemical Research</i> , 2002, 35, 237-246.	15.6	169
2	The enzymes of sialic acid biosynthesis. <i>Bioorganic Chemistry</i> , 2005, 33, 216-228.	4.1	127
3	Mechanistic studies on the indole prenyltransferases. <i>Natural Product Reports</i> , 2015, 32, 88-101.	10.3	111
4	The Structure of UDP-N-Acetylglucosamine 2-Epimerase Reveals Homology to Phosphoglycosyl Transferases. <i>Biochemistry</i> , 2000, 39, 14993-15001.	2.5	108
5	Phosphinate Inhibitors of the D-Glutamic Acid-Adding Enzyme of Peptidoglycan Biosynthesis. <i>Journal of Organic Chemistry</i> , 1996, 61, 1756-1760.	3.2	101
6	The First Structure of UDP-Glucose Dehydrogenase Reveals the Catalytic Residues Necessary for the Two-fold Oxidation. <i>Biochemistry</i> , 2000, 39, 7012-7023.	2.5	100
7	Active Site Residues of Glutamate Racemase. <i>Biochemistry</i> , 2001, 40, 6199-6204.	2.5	85
8	A Phosphinate Inhibitor of the meso-Diaminopimelic Acid-Adding Enzyme (MurE) of Peptidoglycan Biosynthesis. <i>Journal of Organic Chemistry</i> , 1998, 63, 10081-10085.	3.2	73
9	Mechanism of Dimethylallyltryptophan Synthase: Evidence for a Dimethylallyl Cation Intermediate in an Aromatic Prenyltransferase Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 13932-13933.	13.7	60
10	Enzymatic Formation and Release of a Stable Glycol Intermediate: The Mechanism of the Reaction Catalyzed by UDP-N-Acetylglucosamine 2-Epimerase. <i>Journal of the American Chemical Society</i> , 1996, 118, 3033-3034.	13.7	39
11	The Structure of D-Ribulose-5-Phosphate 4-Epimerase: An Aldolase-like Platform for Epimerization. <i>Biochemistry</i> , 2001, 40, 14763-14771.	2.5	38
12	Structural basis for polyglutamate chain initiation and elongation by TTL family enzymes. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 802-813.	8.2	35
13	PseG of Pseudaminic Acid Biosynthesis. <i>Journal of Biological Chemistry</i> , 2006, 281, 20902-20909.	3.4	32
14	Covalent Adduct Formation with a Mutated Enzyme: Evidence for a Thioester Intermediate in the Reaction Catalyzed by UDP-Glucose Dehydrogenase. <i>Journal of the American Chemical Society</i> , 1998, 120, 6613-6614.	13.7	27
15	Helical Shape of <i>Helicobacter pylori</i> Requires an Atypical Glutamine as a Zinc Ligand in the Carboxypeptidase Csd4. <i>Journal of Biological Chemistry</i> , 2015, 290, 3622-3638.	3.4	17
16	A Bacterial Cell Shape-Determining Inhibitor. <i>ACS Chemical Biology</i> , 2016, 11, 981-991.	3.4	16
17	Phosphinic acid-based inhibitors of tubulin polyglutamylases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4408-4412.	2.2	12
18	Transient oxidation as a mechanistic strategy in enzymatic catalysis. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 532-538.	6.1	10

#	ARTICLE	IF	CITATIONS
19	Peptides Containing meso -Oxa-Diaminopimelic Acid as Substrates for the Cell-Shape-Determining Proteases Csd6 and Pgp2. <i>ChemBioChem</i> , 2019, 20, 1591-1598.	2.6	10
20	Synthesis of a <i>meso</i> -Oxa-Diaminopimelic Acid Containing Peptidoglycan Pentapeptide and Coupling to the GlcNAc-anhydro-MurNAc Disaccharide. <i>Organic Letters</i> , 2020, 22, 2313-2317.	4.6	7
21	Peptidoglycan binding by a pocket on the accessory NTF2-domain of Pgp2 directs helical cell shape of <i>Campylobacter jejuni</i> . <i>Journal of Biological Chemistry</i> , 2021, 296, 100528.	3.4	5
22	Increasing the Diversity of Known Pictet-Spenglerases. <i>Chemistry and Biology</i> , 2015, 22, 806-807.	6.0	4
23	A guanidinium-based inhibitor of a type I isopentenyl diphosphate isomerase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127577.	2.2	4
24	Studies with Guanidinium- and Amidinium-Based Inhibitors Suggest Minimal Stabilization of Allylic Carbocation Intermediates by Dehydrosqualene and Squalene Synthases. <i>Biochemistry</i> , 2018, 57, 5591-5601.	2.5	2
25	ArnD is a deformylase involved in polymyxin resistance. <i>Chemical Communications</i> , 2020, 56, 6830-6833.	4.1	2
26	Phosphinic acid-based inhibitors of tubulin polyglycylation. <i>Chemical Communications</i> , 2022, 58, 6530-6533.	4.1	1