

Thomas D Meek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3320655/publications.pdf>

Version: 2024-02-01

24
papers

1,914
citations

623734

14
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

2847
citing authors

#	ARTICLE	IF	CITATIONS
1	Drugâ€™target residence time and its implications for lead optimization. <i>Nature Reviews Drug Discovery</i> , 2006, 5, 730-739.	46.4	1,237
2	Mechanistic enzymology in drug discovery: a fresh perspective. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 115-132.	46.4	124
3	Kinetic mechanism of <i>Escherichia coli</i> glutamine synthetase. <i>Biochemistry</i> , 1980, 19, 5513-5519.	2.5	123
4	A Clinical-Stage Cysteine Protease Inhibitor blocks SARS-CoV-2 Infection of Human and Monkey Cells. <i>ACS Chemical Biology</i> , 2021, 16, 642-650.	3.4	74
5	Potent Anti-SARS-CoV-2 Activity by the Natural Product Gallinamide A and Analogues via Inhibition of Cathepsin L. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2956-2970.	6.4	46
6	Chemical Mechanism of a Cysteine Protease, Cathepsin C, As Revealed by Integration of both Steady-State and Pre-Steady-State Solvent Kinetic Isotope Effects. <i>Biochemistry</i> , 2008, 47, 8697-8710.	2.5	35
7	On the Catalytic Mechanism of Human ATP Citrate Lyase. <i>Biochemistry</i> , 2012, 51, 5198-5211.	2.5	33
8	Mechanism-based inactivator of isocitrate lyases 1 and 2 from <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7617-7622.	7.1	32
9	Kinetic and Chemical Mechanisms of the <i>fabG</i> -Encoded <i>Streptococcus pneumoniae</i> β -Ketoacyl-ACP Reductase. <i>Biochemistry</i> , 2005, 44, 16753-16765.	2.5	27
10	Catalytic Mechanism of Cruzain from <i>Trypanosoma cruzi</i> As Determined from Solvent Kinetic Isotope Effects of Steady-State and Pre-Steady-State Kinetics. <i>Biochemistry</i> , 2018, 57, 3176-3190.	2.5	26
11	Application of Dually Activated Michael Acceptor to the Rational Design of Reversible Covalent Inhibitor for Enterovirus 71 3C Protease. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6146-6162.	6.4	20
12	Peptidomimetic Vinyl Heterocyclic Inhibitors of Cruzain Effect Antitrypanosomal Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3298-3316.	6.4	19
13	Self-Masked Aldehyde Inhibitors: A Novel Strategy for Inhibiting Cysteine Proteases. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11267-11287.	6.4	19
14	Inhibiting Sialidase-Induced TGF- β 1 Activation Attenuates Pulmonary Fibrosis in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 376, 106-117.	2.5	18
15	The Amino-Acid Substituents of Dipeptide Substrates of Cathepsin C Can Determine the Rate-Limiting Steps of Catalysis. <i>Biochemistry</i> , 2012, 51, 7551-7568.	2.5	16
16	Carbamoyl-phosphate synthetase II of the mammalian CAD protein: kinetic mechanism and elucidation of reaction intermediates by positional isotope exchange. <i>Biochemistry</i> , 1987, 26, 2584-2593.	2.5	15
17	Kinetic Mechanism and Rate-Limiting Steps of Focal Adhesion Kinase-1. <i>Biochemistry</i> , 2010, 49, 7151-7163.	2.5	13
18	Dinitrosyl iron complexes (DNICs) as inhibitors of the SARS-CoV-2 main protease. <i>Chemical Communications</i> , 2021, 57, 8352-8355.	4.1	9

#	ARTICLE	IF	CITATIONS
19	Covalent Inactivation of <i>Mycobacterium tuberculosis</i> Isocitrate Lyase by <i>cis</i> -2,3-Epoxy-Succinic Acid. ACS Chemical Biology, 2021, 16, 463-470.	3.4	6
20	Self-Masked Aldehyde Inhibitors of Human Cathepsin L Are Potent Anti-CoV-2 Agents. Frontiers in Chemistry, 0, 10, .	3.6	5
21	Mechanism-Based Inactivation of <i>Mycobacterium tuberculosis</i> Isocitrate Lyase 1 by (2 <i>R</i> ,3 <i>S</i>)-2-Hydroxy-3-(nitromethyl)succinic acid. Journal of the American Chemical Society, 2021, 143, 17666-17676.	13.7	4
22	Characterization of adenine phosphoribosyltransferase (APRT) activity in <i>Trypanosoma brucei brucei</i> : Only one of the two isoforms is kinetically active. PLoS Neglected Tropical Diseases, 2022, 16, e0009926.	3.0	4
23	Enhanced Antibiotic Discovery by PROSPECTing. Biochemistry, 2019, 58, 3475-3476.	2.5	0
24	An Overview of Steady-State Enzyme Kinetics. , 2021, , .		0