Thomas D Meek

List of Publications by Year
in descending order

24	1,914	623734	713466
papers	citations	14 h-index	21 g-index

25	25	25	2847
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potent Anti-SARS-CoV-2 Activity by the Natural Product Gallinamide A and Analogues via Inhibition of Cathepsin L. Journal of Medicinal Chemistry, 2022, 65, 2956-2970.	6.4	46
2	Characterization of adenine phosphoribosyltransferase (APRT) activity in Trypanosoma brucei brucei: Only one of the two isoforms is kinetically active. PLoS Neglected Tropical Diseases, 2022, 16, e0009926.	3.0	4
3	Inhibiting Sialidase-Induced TGF-Î²1 Activation Attenuates Pulmonary Fibrosis in Mice. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 106-117.	2.5	18
4	A Clinical-Stage Cysteine Protease Inhibitor blocks SARS-CoV-2 Infection of Human and Monkey Cells. ACS Chemical Biology, 2021, 16, 642-650.	3.4	74
5	Covalent Inactivation of Mycobacterium tuberculosis Isocitrate Lyase by cis-2,3-Epoxy-Succinic Acid. ACS Chemical Biology, 2021, 16, 463-470.	3.4	6
6	Self-Masked Aldehyde Inhibitors: A Novel Strategy for Inhibiting Cysteine Proteases. Journal of Medicinal Chemistry, 2021, 64, 11267-11287.	6.4	19
7	Dinitrosyl iron complexes (DNICs) as inhibitors of the SARS-CoV-2 main protease. Chemical Communications, 2021, 57, 8352-8355.	4.1	9
8	Mechanism-Based Inactivation of Mycobacterium tuberculosis Isocitrate Lyase 1 by (2R,3S)-2-Hydroxy-3-(nitromethyl)succinic acid. Journal of the American Chemical Society, 2021, 143, 17666-17676.	13.7	4
9	An Overview of Steady-State Enzyme Kinetics. , 2021, , .		0
10	Peptidomimetic Vinyl Heterocyclic Inhibitors of Cruzain Effect Antitrypanosomal Activity. Journal of Medicinal Chemistry, 2020, 63, 3298-3316.	6.4	19
11	Enhanced Antibiotic Discovery by PROSPECTing. Biochemistry, 2019, 58, 3475-3476.	2.5	0
12	Application of Dually Activated Michael Acceptor to the Rational Design of Reversible Covalent Inhibitor for Enterovirus 71 3C Protease. Journal of Medicinal Chemistry, 2019, 62, 6146-6162.	6.4	20
13	Catalytic Mechanism of Cruzain from Trypanosoma cruzi As Determined from Solvent Kinetic Isotope Effects of Steady-State and Pre-Steady-State Kinetics. Biochemistry, 2018, 57, 3176-3190.	2.5	26
14	Mechanistic enzymology in drug discovery: a fresh perspective. Nature Reviews Drug Discovery, 2018, 17, 115-132.	46.4	124
15	Mechanism-based inactivator of isocitrate lyases 1 and 2 from Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7617-7622.	7.1	32
16	The Amino-Acid Substituents of Dipeptide Substrates of Cathepsin C Can Determine the Rate-Limiting Steps of Catalysis. Biochemistry, 2012, 51, 7551-7568.	2.5	16
17	On the Catalytic Mechanism of Human ATP Citrate Lyase. Biochemistry, 2012, 51, 5198-5211.	2.5	33
18	Kinetic Mechanism and Rate-Limiting Steps of Focal Adhesion Kinase-1. Biochemistry, 2010, 49, 7151-7163.	2.5	13

#	Article	IF	Citations
19	Chemical Mechanism of a Cysteine Protease, Cathepsin C, As Revealed by Integration of both Steady-State and Pre-Steady-State Solvent Kinetic Isotope Effects. Biochemistry, 2008, 47, 8697-8710.	2.5	35
20	Drugâ€“target residence time and its implications for lead optimization. Nature Reviews Drug Discovery, 2006, 5, 730-739.	46.4	1,237
21	Kinetic and Chemical Mechanisms of thefabG-EncodedStreptococcus pneumoniaeÎ²-Ketoacyl-ACP Reductase. Biochemistry, 2005, 44, 16753-16765.	2.5	27
22	Carbamoyl-phosphate synthetase II of the mammalian CAD protein: kinetic mechanism and elucidation of reaction intermediates by positional isotope exchange. Biochemistry, 1987, 26, 2584-2593.	2.5	15
23	Kinetic mechanism of Escherichia coli glutamine synthetase. Biochemistry, 1980, 19, 5513-5519.	2.5	123
24	Self-Masked Aldehyde Inhibitors of Human Cathepsin L Are Potent Anti-CoV-2 Agents. Frontiers in Chemistry, 0, 10, .	3.6	5