

Phoom Chairatana

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

615
citations

759233

12
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Defensins, lectins, mucins, and secretory immunoglobulin A: microbe-binding biomolecules that contribute to mucosal immunity in the human gut. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2017, 52, 45-56.	5.2	84
2	Visualizing Attack of <i>Escherichia coli</i> by the Antimicrobial Peptide Human Defensin 5. <i>Biochemistry</i> , 2015, 54, 1767-1777.	2.5	80
3	Molecular Basis for Self-Assembly of a Human Host-Defense Peptide That Entraps Bacterial Pathogens. <i>Journal of the American Chemical Society</i> , 2014, 136, 13267-13276.	13.7	79
4	Targeting virulence: salmochelin modification tunes the antibacterial activity spectrum of β -lactams for pathogen-selective killing of <i>Escherichia coli</i> . <i>Chemical Science</i> , 2015, 6, 4458-4471.	7.4	67
5	Human α -Defensin 6: A Small Peptide That Self-Assembles and Protects the Host by Entangling Microbes. <i>Accounts of Chemical Research</i> , 2017, 50, 960-967.	15.6	57
6	Siderophore-based immunization strategy to inhibit growth of enteric pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13462-13467.	7.1	56
7	Thiophene-based dyes for probing membranes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3792-3802.	2.8	41
8	Imaging plasma membrane phase behaviour in live cells using a thiophene-based molecular rotor. <i>Chemical Communications</i> , 2016, 52, 13269-13272.	4.1	39
9	Proteolysis triggers self-assembly and unmasks innate immune function of a human α -defensin peptide. <i>Chemical Science</i> , 2016, 7, 1738-1752.	7.4	31
10	Synthesis of 2-acetamido-1,2-dideoxy-d-galacto-nojirimycin [DGJNAc] from d-glucuronolactone: the first sub-micromolar inhibitor of β -N-acetylgalactosaminidases. <i>Tetrahedron Letters</i> , 2010, 51, 2222-2224.	1.4	27
11	Human α -Defensin 6 Self-Assembly Prevents Adhesion and Suppresses Virulence Traits of <i>Candida albicans</i> . <i>Biochemistry</i> , 2017, 56, 1033-1041.	2.5	25
12	Genetic variation in the MacAB-TolC efflux pump influences pathogenesis of invasive <i>Salmonella</i> isolates from Africa. <i>PLoS Pathogens</i> , 2020, 16, e1008763.	4.7	15
13	Dynamics of human defensin 5 (HD5) self-assembly in solution: Molecular simulations/insights. <i>Computational Biology and Chemistry</i> , 2019, 83, 107091.	2.3	9
14	Evaluation of the Binding Mechanism of Human Defensin 5 in a Bacterial Membrane: A Simulation Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12401.	4.1	5
15	Molecular insights into the adsorption mechanism of E21R and T7E21R human defensin 5 on a bacterial membrane. <i>Molecular Simulation</i> , 0, , 1-11.	2.0	0