

Christoph Nitsche

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4169255/publications.pdf>

Version: 2024-02-01

43
papers

2,783
citations

218677

26
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	The SARS-CoV-2 main protease as drug target. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127377.	2.2	550
2	Crystal structure of Zika virus NS2B-NS3 protease in complex with a boronate inhibitor. <i>Science</i> , 2016, 353, 503-505.	12.6	285
3	Promiscuity and Selectivity in Covalent Enzyme Inhibition: A Systematic Study of Electrophilic Fragments. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7590-7599.	6.4	134
4	Main protease mutants of SARS-CoV-2 variants remain susceptible to nirmatrelvir. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 62, 128629.	2.2	131
5	Pseudocontact shifts in biomolecular NMR using paramagnetic metal tags. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 98-99, 20-49.	7.5	125
6	Biochemistry and Medicinal Chemistry of the Dengue Virus Protease. <i>Chemical Reviews</i> , 2014, 114, 11348-11381.	47.7	120
7	The Medicinal Chemistry of Dengue Virus. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5622-5649.	6.4	114
8	Thiazolidinone–Peptide Hybrids as Dengue Virus Protease Inhibitors with Antiviral Activity in Cell Culture. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8389-8403.	6.4	110
9	Peptide–Boronic Acid Inhibitors of Flaviviral Proteases: Medicinal Chemistry and Structural Biology. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 511-516.	6.4	105
10	Arylcianoacrylamides as inhibitors of the Dengue and West Nile virus proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7318-7337.	3.0	90
11	Retro peptide-hybrids as selective inhibitors of the Dengue virus NS2B-NS3 protease. <i>Antiviral Research</i> , 2012, 94, 72-79.	4.1	78
12	Phenylalanine and Phenylglycine Analogues as Arginine Mimetics in Dengue Protease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7719-7733.	6.4	69
13	<i>De Novo</i> Discovery of Nonstandard Macrocyclic Peptides as Noncompetitive Inhibitors of the Zika Virus NS2B-NS3 Protease. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 168-174.	2.8	62
14	Inhibitors of the Zika virus protease NS2B-NS3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126965.	2.2	56
15	Sensitive NMR Approach for Determining the Binding Mode of Tightly Binding Ligand Molecules to Protein Targets. <i>Journal of the American Chemical Society</i> , 2016, 138, 4539-4546.	13.7	53
16	C-Terminal Residue Optimization and Fragment Merging: Discovery of a Potent Peptide-Hybrid Inhibitor of Dengue Protease. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 1037-1042.	2.8	51
17	Proteases from dengue, West Nile and Zika viruses as drug targets. <i>Biophysical Reviews</i> , 2019, 11, 157-165.	3.2	51
18	NMR studies of ligand binding. <i>Current Opinion in Structural Biology</i> , 2018, 48, 16-22.	5.7	48

#	ARTICLE	IF	CITATIONS
19	The dengue virus NS2B-NS3 protease retains the closed conformation in the complex with BPTI. <i>FEBS Letters</i> , 2014, 588, 2206-2211.	2.8	46
20	Biocompatible Macrocyclization between Cysteine and 2-Cyanopyridine Generates Stable Peptide Inhibitors. <i>Organic Letters</i> , 2019, 21, 4709-4712.	4.6	46
21	Solution conformations of a linked construct of the Zika virus NS2B-NS3 protease. <i>Antiviral Research</i> , 2017, 142, 141-147.	4.1	45
22	Aqueous microwave-assisted one-pot synthesis of N-substituted rhodanines. <i>Tetrahedron Letters</i> , 2012, 53, 5197-5201.	1.4	42
23	Dual inhibitors of the dengue and West Nile virus NS2B-NS3 proteases: Synthesis, biological evaluation and docking studies of novel peptide-hybrids. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5748-5755.	3.0	37
24	Paramagnetic Chemical Probes for Studying Biological Macromolecules. <i>Chemical Reviews</i> , 2022, 122, 9571-9642.	47.7	36
25	Strategies Towards Protease Inhibitors for Emerging Flaviviruses. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 175-186.	1.6	33
26	Cytotoxic betulin-derived hydroxypropargylamines trigger apoptosis. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 425-435.	3.0	29
27	Antiviral cyclic peptides targeting the main protease of SARS-CoV-2. <i>Chemical Science</i> , 2022, 13, 3826-3836.	7.4	29
28	Challenges of short substrate analogues as SARS-CoV-2 main protease inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 50, 128333.	2.2	26
29	A biocompatible stapling reaction for <i>in situ</i> generation of constrained peptides. <i>Chemical Science</i> , 2021, 12, 669-674.	7.4	25
30	Small neutral Gd(III) tags for distance measurements in proteins by double electron-electron resonance experiments. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23535-23545.	2.8	22
31	2-Cyanoisonicotinamide Conjugation: A Facile Approach to Generate Potent Peptide Inhibitors of the Zika Virus Protease. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 732-737.	2.8	21
32	Fluorimetric and HPLC-Based Dengue Virus Protease Assays Using a FRET Substrate. <i>Methods in Molecular Biology</i> , 2013, 1030, 221-236.	0.9	19
33	Site-selective tagging of proteins by pinctogen-mediated self-assembly. <i>Chemical Communications</i> , 2017, 53, 10894-10897.	4.1	15
34	Genetic Encoding of Cyanopyridylalanine for <i>In-Cell</i> Protein Macrocyclization by the Nitrile-Amino Thiol Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
35	Peptide-Bismuth Bicycles: <i>In Situ</i> Access to Stable Constrained Peptides with Superior Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
36	Catching a Moving Target: Comparative Modeling of Flaviviral NS2B-NS3 Reveals Small Molecule Zika Protease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 514-520.	2.8	10

#	ARTICLE	IF	CITATIONS
37	Trimethylsilyl tag for probing protein–ligand interactions by NMR. <i>Journal of Biomolecular NMR</i> , 2018, 70, 211-218.	2.8	9
38	Intrinsic and Extrinsic Paramagnetic Probes. <i>New Developments in NMR</i> , 2018, , 42-84.	0.1	9
39	Targeting the protease of West Nile virus. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1262-1272.	3.9	6
40	Nanoparticulate Inhibitors of Flavivirus Proteases from Zika, West Nile and Dengue Virus Are Cell-Permeable Antivirals. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1955-1961.	2.8	3
41	Peptide–Bismuth Bicycles: In Situ Access to Stable Constrained Peptides with Superior Bioactivity. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
42	Organoarsenic probes to study proteins by NMR spectroscopy. <i>Chemical Communications</i> , 2022, 58, 701-704.	4.1	1
43	Genetic Encoding of Cyanopyridylalanine for In–Cell Protein Macrocyclization by the Nitrile–Aminothiol Click Reaction. <i>Angewandte Chemie</i> , 0, , .	2.0	0