

Wioletta Rut

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,354
citations

471509

17
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

2284
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Mpro inhibitors and activity-based probes for patient-sample imaging. <i>Nature Chemical Biology</i> , 2021, 17, 222-228.	8.0	215
2	Re-emerging Aspartic Protease Targets: Examining <i>Cryptococcus neoformans</i> Major Aspartyl Peptidase 1 as a Target for Antifungal Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6706-6719.	6.4	14
3	A molecular sensor determines the ubiquitin substrate specificity of SARS-CoV-2 papain-like protease. <i>Cell Reports</i> , 2021, 36, 109754.	6.4	30
4	Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome. <i>Cell Reports</i> , 2021, 37, 109892.	6.4	60
5	Activity profiling and crystal structures of inhibitor-bound SARS-CoV-2 papain-like protease: A framework for anti-“COVID-19 drug design. <i>Science Advances</i> , 2020, 6, .	10.3	344
6	Profiling of flaviviral NS2B-NS3 protease specificity provides a structural basis for the development of selective chemical tools that differentiate Dengue from Zika and West Nile viruses. <i>Antiviral Research</i> , 2020, 175, 104731.	4.1	14
7	Multiplexed Probing of Proteolytic Enzymes Using Mass Cytometry-Compatible Activity-Based Probes. <i>Journal of the American Chemical Society</i> , 2020, 142, 16704-16715.	13.7	27
8	Engineered unnatural ubiquitin for optimal detection of deubiquitinating enzymes. <i>Chemical Science</i> , 2020, 11, 6058-6069.	7.4	19
9	Fluorescent activity-based probe for the selective detection of Factor VII activating protease (FSAP) in human plasma. <i>Thrombosis Research</i> , 2019, 182, 124-132.	1.7	10
10	Development of an advanced nanoformulation for the intracellular delivery of a caspase-3 selective activity-based probe. <i>Nanoscale</i> , 2019, 11, 742-751.	5.6	6
11	Potent and selective caspase-2 inhibitor prevents MDM-2 cleavage in reversine-treated colon cancer cells. <i>Cell Death and Differentiation</i> , 2019, 26, 2695-2709.	11.2	22
12	Selective imaging of cathepsin β in breast cancer by fluorescent activity-based probes. <i>Chemical Science</i> , 2018, 9, 2113-2129.	7.4	64
13	Unique Substrate Specificity of SplE Serine Protease from <i>Staphylococcus aureus</i> . <i>Structure</i> , 2018, 26, 572-579.e4.	3.3	22
14	Selective Substrates and Activity-Based Probes for Imaging of the Human Constitutive 20S Proteasome in Cells and Blood Samples. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5222-5234.	6.4	28
15	Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families. <i>Scientific Reports</i> , 2017, 7, 43135.	3.3	51
16	Glycosylation is important for legumain localization and processing to active forms but not for cystatin E/M inhibitory functions. <i>Biochimie</i> , 2017, 139, 27-37.	2.6	21
17	Extended substrate specificity and first potent irreversible inhibitor/activity-based probe design for Zika virus NS2B-NS3 protease. <i>Antiviral Research</i> , 2017, 139, 88-94.	4.1	55
18	Structure and substrate fingerprint of aminopeptidase P from <i>Plasmodium falciparum</i> . <i>Biochemical Journal</i> , 2016, 473, 3189-3204.	3.7	11

#	ARTICLE	IF	CITATIONS
19	Counter Selection Substrate Library Strategy for Developing Specific Protease Substrates and Probes. Cell Chemical Biology, 2016, 23, 1023-1035.	5.2	45
20	Human 20S proteasome activity towards fluorogenic peptides of various chain lengths. Biological Chemistry, 2016, 397, 921-926.	2.5	15
21	Structural basis for substrate specificity of Helicobacter pylori M17 aminopeptidase. Biochimie, 2016, 121, 60-71.	2.6	18
22	Recent advances and concepts in substrate specificity determination of proteases using tailored libraries of fluorogenic substrates with unnatural amino acids. Biological Chemistry, 2015, 396, 329-337.	2.5	22
23	SARS hCoV papain-like protease is a unique Lys48 linkage-specific di-distributive deubiquitinating enzyme. Biochemical Journal, 2015, 468, 215-226.	3.7	60
24	Small Molecule Active Site Directed Tools for Studying Human Caspases. Chemical Reviews, 2015, 115, 12546-12629.	47.7	68