

Katarzyna Groborz

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

678
citations

840776

11
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

1176
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	Extensive peptide and natural protein substrate screens reveal that mouse caspase-11 has much narrower substrate specificity than caspase-1. <i>Journal of Biological Chemistry</i> , 2018, 293, 7058-7067.	3.4	74
3	Selective imaging of cathepsin B in breast cancer by fluorescent activity-based probes. <i>Chemical Science</i> , 2018, 9, 2113-2129.	7.4	64
4	Emerging challenges in the design of selective substrates, inhibitors and activity-based probes for indistinguishable proteases. <i>FEBS Journal</i> , 2017, 284, 1518-1539.	4.7	50
5	Fluorescent probes towards selective cathepsin B detection and visualization in cancer cells and patient samples. <i>Chemical Science</i> , 2019, 10, 8461-8477.	7.4	47
6	Caspase selective reagents for diagnosing apoptotic mechanisms. <i>Cell Death and Differentiation</i> , 2019, 26, 229-244.	11.2	38
7	Design of Optical Imaging Probes by Screening of Diverse Substrate Libraries Directly in Disease Tissue Extracts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19143-19152.	13.8	24
8	Recent advances and concepts in substrate specificity determination of proteases using tailored libraries of fluorogenic substrates with unnatural amino acids. <i>Biological Chemistry</i> , 2015, 396, 329-337.	2.5	22
9	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
10	Determination of extended substrate specificity of the MALT1 as a strategy for the design of potent substrates and activity-based probes. <i>Scientific Reports</i> , 2018, 8, 15998.	3.3	14
11	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
12	Internally quenched fluorogenic substrates with unnatural amino acids for cathepsin G investigation. <i>Biochimie</i> , 2019, 166, 103-111.	2.6	13
13	Characterization of P. falciparum dipeptidyl aminopeptidase 3 specificity identifies differences in amino acid preferences between peptide-based substrates and covalent inhibitors. <i>FEBS Journal</i> , 2019, 286, 3998-4023.	4.7	7
14	Exploring the prime site in caspases as a novel chemical strategy for understanding the mechanisms of cell death: a proof of concept study on necroptosis in cancer cells. <i>Cell Death and Differentiation</i> , 2020, 27, 451-465.	11.2	7
15	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
16	Structural Determinants of Substrate Specificity of SplF Protease from <i>Staphylococcus aureus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2220.	4.1	6
17	Cytotoxicity, early safety screening, and antimicrobial potential of minor oxime constituents of essential oils and aromatic extracts. <i>Scientific Reports</i> , 2022, 12, 5319.	3.3	3
18	Design of Optical Imaging Probes by Screening of Diverse Substrate Libraries Directly in Disease Tissue Extracts. <i>Angewandte Chemie</i> , 2020, 132, 19305-19314.	2.0	2