

Marcin PorÄba

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,505
citations

304602

22
h-index

345118

36
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39
all docs

39
docs citations

39
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering caspase 7 as an affinity reagent to capture proteolytic products. FEBS Journal, 2021, 288, 1259-1270.	2.2	0
2	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. Cell Death and Differentiation, 2020, 27, 451-465.	5.0	7
3	Legumain is upregulated in acute cardiovascular events and associated with improved outcome - potentially related to anti-inflammatory effects on macrophages. Atherosclerosis, 2020, 296, 74-82.	0.4	14
4	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. Antiviral Research, 2020, 175, 104731.	1.9	14
5	Multiplexed Probing of Proteolytic Enzymes Using Mass Cytometry-Compatible Activity-Based Probes. Journal of the American Chemical Society, 2020, 142, 16704-16715.	6.6	27
6	Extended subsite profiling of the pyroptosis effector protein gasdermin D reveals a region recognized by inflammatory caspase-11. Journal of Biological Chemistry, 2020, 295, 11292-11302.	1.6	33
7	Protease-activated prodrugs: strategies, challenges, and future directions. FEBS Journal, 2020, 287, 1936-1969.	2.2	71
8	Caspase selective reagents for diagnosing apoptotic mechanisms. Cell Death and Differentiation, 2019, 26, 229-244.	5.0	38
9	Fluorescent probes towards selective cathepsin B detection and visualization in cancer cells and patient samples. Chemical Science, 2019, 10, 8461-8477.	3.7	47
10	Fluorescent activity-based probe for the selective detection of Factor VII activating protease (FSAP) in human plasma. Thrombosis Research, 2019, 182, 124-132.	0.8	10
11	Development of an advanced nanoformulation for the intracellular delivery of a caspase-3 selective activity-based probe. Nanoscale, 2019, 11, 742-751.	2.8	6
12	Characterization of P. falciparum dipeptidyl aminopeptidase 3 specificity identifies differences in amino acid preferences between peptide-based substrates and covalent inhibitors. FEBS Journal, 2019, 286, 3998-4023.	2.2	7
13	Recent advances in the development of legumain-selective chemical probes and peptide prodrugs. Biological Chemistry, 2019, 400, 1529-1550.	1.2	24
14	Potent and selective caspase-2 inhibitor prevents MDM-2 cleavage in reversine-treated colon cancer cells. Cell Death and Differentiation, 2019, 26, 2695-2709.	5.0	22
15	Selective imaging of cathepsin B in breast cancer by fluorescent activity-based probes. Chemical Science, 2018, 9, 2113-2129.	3.7	64
16	Extensive peptide and natural protein substrate screens reveal that mouse caspase-11 has much narrower substrate specificity than caspase-1. Journal of Biological Chemistry, 2018, 293, 7058-7067.	1.6	74
17	Selective Substrates and Activity-Based Probes for Imaging of the Human Constitutive 20S Proteasome in Cells and Blood Samples. Journal of Medicinal Chemistry, 2018, 61, 5222-5234.	2.9	28
18	Emerging challenges in the design of selective substrates, inhibitors and activity-based probes for indistinguishable proteases. FEBS Journal, 2017, 284, 1518-1539.	2.2	50

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19	Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families. <i>Scientific Reports</i> , 2017, 7, 43135.	1.6	51
20	Insights into ClpXP proteolysis: heterooligomerization and partial deactivation enhance chaperone affinity and substrate turnover in <i>Listeria monocytogenes</i> . <i>Chemical Science</i> , 2017, 8, 1592-1600.	3.7	24
21	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.	1.3	21
22	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.	1.9	55
23	Synthesis of a HyCoSuL peptide substrate library to dissect protease substrate specificity. <i>Nature Protocols</i> , 2017, 12, 2189-2214.	5.5	80
24	Counter Selection Substrate Library Strategy for Developing Specific Protease Substrates and Probes. <i>Cell Chemical Biology</i> , 2016, 23, 1023-1035.	2.5	45
25	Barrel-shaped ClpP Proteases Display Attenuated Cleavage Specificities. <i>ACS Chemical Biology</i> , 2016, 11, 389-399.	1.6	35
26	Design of a Selective Substrate and Activity Based Probe for Human Neutrophil Serine Protease 4. <i>PLoS ONE</i> , 2015, 10, e0132818.	1.1	49
27	Probes to Monitor Activity of the Paracaspase MALT1. <i>Chemistry and Biology</i> , 2015, 22, 139-147.	6.2	23
28	The new esters derivatives of betulin and betulinic acid in epidermoid squamous carcinoma treatment – In vitro studies. <i>Biomedicine and Pharmacotherapy</i> , 2015, 72, 91-97.	2.5	28
29	Substrate Specificity and Possible Heterologous Targets of Phytaspase, a Plant Cell Death Protease. <i>Journal of Biological Chemistry</i> , 2015, 290, 24806-24815.	1.6	22
30	Biochemical Characterization and Substrate Specificity of Autophagin-2 from the Parasite <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 28231-28244.	1.6	7
31	Small Molecule Active Site Directed Tools for Studying Human Caspases. <i>Chemical Reviews</i> , 2015, 115, 12546-12629.	23.0	68
32	Design of ultrasensitive probes for human neutrophil elastase through hybrid combinatorial substrate library profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2518-2523.	3.3	148
33	Unnatural amino acids increase activity and specificity of synthetic substrates for human and malarial cathepsin C. <i>Amino Acids</i> , 2014, 46, 931-943.	1.2	37
34	Positional Scanning Substrate Combinatorial Library (PS-SCL) Approach to Define Caspase Substrate Specificity. <i>Methods in Molecular Biology</i> , 2014, 1133, 41-59.	0.4	36
35	Caspase Substrates and Inhibitors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a008680-a008680.	2.3	155
36	S1 pocket fingerprints of human and bacterial methionine aminopeptidases determined using fluorogenic libraries of substrates and phosphorus based inhibitors. <i>Biochimie</i> , 2012, 94, 704-710.	1.3	19

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37	Fingerprinting the Substrate Specificity of M1 and M17 Aminopeptidases of Human Malaria, Plasmodium falciparum. PLoS ONE, 2012, 7, e31938.	1.1	64