Marcin PorÄba

List of Publications by Year
in descending order

37 papers	1,505 citations	304743 22 h-index	345221 36 g-index
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.	4.7	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.	11.2	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.	0.8	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.	4.1	14
5	Multiplexed Probing of Proteolytic Enzymes Using Mass Cytometry-Compatible Activity-Based Probes. Journal of the American Chemical Society, 2020, 142, 16704-16715.	13.7	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.	3.4	33
7	Proteaseâ€activated prodrugs: strategies, challenges, and future directions. FEBS Journal, 2020, 287, 1936-1969.	4.7	71
8	Caspase selective reagents for diagnosing apoptotic mechanisms. Cell Death and Differentiation, 2019, 26, 229-244.	11.2	38
9	Fluorescent probes towards selective cathepsin B detection and visualization in cancer cells and patient samples. Chemical Science, 2019, 10, 8461-8477.	7.4	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.	1.7	10
11	Development of an advanced nanoformulation for the intracellular delivery of a caspase-3 selective activity-based probe. Nanoscale, 2019, 11, 742-751.	5.6	6
12	Characterization ofP. falciparumdipeptidyl aminopeptidase 3 specificity identifies differences in amino acid preferences between peptideâ€based substrates and covalent inhibitors. FEBS Journal, 2019, 286, 3998-4023.	4.7	7
13	Recent advances in the development of legumain-selective chemical probes and peptide prodrugs. Biological Chemistry, 2019, 400, 1529-1550.	2.5	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.	11.2	22
15	Selective imaging of cathepsinÂL in breast cancer by fluorescent activity-based probes. Chemical Science, 2018, 9, 2113-2129.	7.4	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.	3.4	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.	6.4	28
18	Emerging challenges in the design of selective substrates, inhibitors and activityâ€based probes for indistinguishable proteases. FEBS Journal, 2017, 284, 1518-1539.	4.7	50

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19	Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families. Scientific Reports, 2017, 7, 43135.	3.3	51
20	Insights into ClpXP proteolysis: heterooligomerization and partial deactivation enhance chaperone affinity and substrate turnover in Listeria monocytogenes. Chemical Science, 2017, 8, 1592-1600.	7.4	24
21	Glycosylation is important for legumain localization and processing to active forms but not for cystatin E/M inhibitory functions. Biochimie, 2017, 139, 27-37.	2.6	21
22	Extended substrate specificity and first potent irreversible inhibitor/activity-based probe design for Zika virus NS2B-NS3 protease. Antiviral Research, 2017, 139, 88-94.	4.1	55
23	Synthesis of a HyCoSuL peptide substrate library to dissect protease substrate specificity. Nature Protocols, 2017, 12, 2189-2214.	12.0	80
24	Counter Selection Substrate Library Strategy for Developing Specific Protease Substrates and Probes. Cell Chemical Biology, 2016, 23, 1023-1035.	5.2	45
25	Barrel-shaped ClpP Proteases Display Attenuated Cleavage Specificities. ACS Chemical Biology, 2016, 11, 389-399.	3.4	35
26	Design of a Selective Substrate and Activity Based Probe for Human Neutrophil Serine Protease 4. PLoS ONE, 2015, 10, e0132818.	2.5	49
27	Probes to Monitor Activity of the Paracaspase MALT1. Chemistry and Biology, 2015, 22, 139-147.	6.0	23
28	The new esters derivatives of betulin and betulinic acid in epidermoid squamous carcinoma treatment â€" In vitro studies. Biomedicine and Pharmacotherapy, 2015, 72, 91-97.	5.6	28
29	Substrate Specificity and Possible Heterologous Targets of Phytaspase, a Plant Cell Death Protease. Journal of Biological Chemistry, 2015, 290, 24806-24815.	3.4	22
30	Biochemical Characterization and Substrate Specificity of Autophagin-2 from the Parasite Trypanosoma cruzi. Journal of Biological Chemistry, 2015, 290, 28231-28244.	3.4	7
31	Small Molecule Active Site Directed Tools for Studying Human Caspases. Chemical Reviews, 2015, 115, 12546-12629.	47.7	68
32	Design of ultrasensitive probes for human neutrophil elastase through hybrid combinatorial substrate library profiling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2518-2523.	7.1	148
33	Unnatural amino acids increase activity and specificity of synthetic substrates for human and malarial cathepsin C. Amino Acids, 2014, 46, 931-943.	2.7	37
34	Positional Scanning Substrate Combinatorial Library (PS-SCL) Approach to Define Caspase Substrate Specificity. Methods in Molecular Biology, 2014, 1133, 41-59.	0.9	36
35	Caspase Substrates and Inhibitors. Cold Spring Harbor Perspectives in Biology, 2013, 5, a008680-a008680.	5.5	155
36	S1 pocket fingerprints of human and bacterial methionine aminopeptidases determined using fluorogenic libraries of substrates and phosphorus based inhibitors. Biochimie, 2012, 94, 704-710.	2.6	19

#	Article	IF	Citations
37	Fingerprinting the Substrate Specificity of M1 and M17 Aminopeptidases of Human Malaria, Plasmodium falciparum. PLoS ONE, 2012, 7, e31938.	2.5	64