

Paulina Kasperkiewicz

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,255
citations

361413

20
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

1711
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	SUMO-mediated regulation of NLRP3 modulates inflammasome activity. Nature Communications, 2018, 9, 3001.	12.8	134
3	Mechanism and specificity of the human paracaspase MALT1. Biochemical Journal, 2012, 443, 287-295.	3.7	88
4	Toolbox of Fluorescent Probes for Parallel Imaging Reveals Uneven Location of Serine Proteases in Neutrophils. Journal of the American Chemical Society, 2017, 139, 10115-10125.	13.7	86
5	Small Molecule Active Site Directed Tools for Studying Human Caspases. Chemical Reviews, 2015, 115, 12546-12629.	47.7	68
6	Selective imaging of cathepsin Λ L in breast cancer by fluorescent activity-based probes. Chemical Science, 2018, 9, 2113-2129.	7.4	64
7	SARS hCoV papain-like protease is a unique Lys48 linkage-specific di-distributive deubiquitinating enzyme. Biochemical Journal, 2015, 468, 215-226.	3.7	60
8	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
9	Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families. Scientific Reports, 2017, 7, 43135.	3.3	51
10	Emerging challenges in the design of selective substrates, inhibitors and activity-based probes for indistinguishable proteases. FEBS Journal, 2017, 284, 1518-1539.	4.7	50
11	Design of a Selective Substrate and Activity Based Probe for Human Neutrophil Serine Protease 4. PLoS ONE, 2015, 10, e0132818.	2.5	49
12	Design of Selective Substrates and Activity-Based Probes for Hydrolase Important for Pathogenesis 1 (HIP1) from <i>Mycobacterium tuberculosis</i> . ACS Infectious Diseases, 2016, 2, 807-815.	3.8	45
13	Counter Selection Substrate Library Strategy for Developing Specific Protease Substrates and Probes. Cell Chemical Biology, 2016, 23, 1023-1035.	5.2	45
14	Noninvasive optical detection of granzyme B from natural killer cells with enzyme-activated fluorogenic probes. Journal of Biological Chemistry, 2020, 295, 9567-9582.	3.4	32
15	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
16	NETosis occurs independently of neutrophil serine proteases. Journal of Biological Chemistry, 2020, 295, 17624-17631.	3.4	25
17	The Elastase-PK101 Structure: Mechanism of an Ultrasensitive Activity-based Probe Revealed. ACS Chemical Biology, 2015, 10, 945-951.	3.4	24
18	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

#	ARTICLE	IF	CITATIONS
19	Substrate Specificity and Possible Heterologous Targets of Phytaspase, a Plant Cell Death Protease. <i>Journal of Biological Chemistry</i> , 2015, 290, 24806-24815.	3.4	22
20	Application of a chemical probe to detect neutrophil elastase activation during inflammatory bowel disease. <i>Scientific Reports</i> , 2019, 9, 13295.	3.3	22
21	Effects of curcumin based PDT on the viability and the organization of actin in melanotic (A375) and amelanotic melanoma (C32) "in vitro" studies. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110883.	5.6	22
22	Simple phosphonic inhibitors of human neutrophil elastase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1310-1314.	2.2	20
23	Current and prospective applications of non-proteinogenic amino acids in profiling of proteases substrate specificity. <i>Biological Chemistry</i> , 2012, 393, 843-851.	2.5	19
24	Detection of Active Granzyme A in NK92 Cells with Fluorescent Activity-Based Probe. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3359-3369.	6.4	18
25	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
26	Internally quenched fluorogenic substrates with unnatural amino acids for cathepsin G investigation. <i>Biochimie</i> , 2019, 166, 103-111.	2.6	13
27	Leveraging Peptide Substrate Libraries to Design Inhibitors of Bacterial Lon Protease. <i>ACS Chemical Biology</i> , 2019, 14, 2453-2462.	3.4	12
28	Anticancer Efficacy of 6-Gingerol with Paclitaxel against Wild Type of Human Breast Adenocarcinoma. <i>Molecules</i> , 2022, 27, 2693.	3.8	8
29	Peptidyl Activity-Based Probes for Imaging Serine Proteases. <i>Frontiers in Chemistry</i> , 2021, 9, 639410.	3.6	6
30	Parallel imaging of coagulation pathway proteases activated protein C, thrombin, and factor Xa in human plasma. <i>Chemical Science</i> , 2022, 13, 6813-6829.	7.4	5