

Peter Goettig

List of Publications by Year in descending order

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43
papers

1,677
citations

304743

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289244

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docs citations

43
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Specificity Profiling of Seven Human Tissue Kallikreins Reveals Individual Subsite Preferences. <i>Journal of Biological Chemistry</i> , 2006, 281, 25678-25688.	3.4	132
2	Crystal Structures of MMP-9 Complexes with Five Inhibitors: Contribution of the Flexible Arg424 Side-chain to Selectivity. <i>Journal of Molecular Biology</i> , 2007, 371, 989-1006.	4.2	132
3	Natural and synthetic inhibitors of kallikrein-related peptidases (KLKs). <i>Biochimie</i> , 2010, 92, 1546-1567.	2.6	129
4	Effects of Glycosylation on the Enzymatic Activity and Mechanisms of Proteases. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1969.	4.1	88
5	Structural Determinants of the ADAM Inhibition by TIMP-3: Crystal Structure of the TACE-N-TIMP-3 Complex. <i>Journal of Molecular Biology</i> , 2008, 381, 1307-1319.	4.2	87
6	Structural Basis of the Zinc Inhibition of Human Tissue Kallikrein 5. <i>Journal of Molecular Biology</i> , 2007, 373, 1017-1031.	4.2	81
7	Crystal Structures of Human Tissue Kallikrein 4: Activity Modulation by a Specific Zinc Binding Site. <i>Journal of Molecular Biology</i> , 2006, 362, 1094-1107.	4.2	80
8	Chymotryptic specificity determinants in the 1.0 Å structure of the zinc-inhibited human tissue kallikrein 7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16086-16091.	7.1	78
9	Crystal Structures of the Tricorn Interacting Factor F3 from <i>Thermoplasma acidophilum</i> , a Zinc Aminopeptidase in Three Different Conformations. <i>Journal of Molecular Biology</i> , 2005, 349, 787-800.	4.2	77
10	Structures and specificity of the human kallikrein-related peptidases KLK 4, 5, 6, and 7. <i>Biological Chemistry</i> , 2008, 389, 623-632.	2.5	72
11	Functional Mapping of Human Dynamin-1-Like GTPase Domain Based on X-ray Structure Analyses. <i>PLoS ONE</i> , 2013, 8, e71835.	2.5	63
12	The Dimer Interface of the Membrane Type 1 Matrix Metalloproteinase Hemopexin Domain. <i>Journal of Biological Chemistry</i> , 2011, 286, 7587-7600.	3.4	52
13	Surface loops of trypsin-like serine proteases as determinants of function. <i>Biochimie</i> , 2019, 166, 52-76.	2.6	46
14	Structures of the tricorn-interacting aminopeptidase F1 with different ligands explain its catalytic mechanism. <i>EMBO Journal</i> , 2002, 21, 5343-5352.	7.8	45
15	A completed KLK activome profile: investigation of activation profiles of KLK9, 10, and 15. <i>Biological Chemistry</i> , 2009, 390, 373-377.	2.5	45
16	Polyclonal antibodies against kallikrein-related peptidase 4 (KLK4): immunohistochemical assessment of KLK4 expression in healthy tissues and prostate cancer. <i>Biological Chemistry</i> , 2010, 391, 391-401.	2.5	35
17	N-Terminomics identifies HtrA1 cleavage of thrombospondin-1 with generation of a proangiogenic fragment in the polarized retinal pigment epithelial cell model of age-related macular degeneration. <i>Matrix Biology</i> , 2018, 70, 84-101.	3.6	31
18	Do-it-yourself histidine-tagged bovine enterokinase: A handy member of the protein engineer's toolbox. <i>Journal of Biotechnology</i> , 2013, 168, 421-425.	3.8	30

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19	Structure-Function Analyses of Human Kallikrein-related Peptidase 2 Establish the 99-Loop as Master Regulator of Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 34267-34283.	3.4	28
20	Proteolytic chemokine cleavage as a regulator of lymphocytic infiltration in solid tumors. <i>Cancer and Metastasis Reviews</i> , 2019, 38, 417-430.	5.9	27
21	Clinical relevance of kallikrein-related peptidase 6 (KLK6) and 8 (KLK8) mRNA expression in advanced serous ovarian cancer. <i>Biological Chemistry</i> , 2016, 397, 1265-1276.	2.5	25
22	Function and clinical relevance of kallikrein-related peptidases and other serine proteases in gynecological cancers. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2014, 51, 63-84.	6.1	24
23	X-ray Snapshots of Peptide Processing in Mutants of Tricorn-interacting Factor F1 from <i>Thermoplasma acidophilum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 33387-33396.	3.4	23
24	Macrocyclic Statine-Based Inhibitors of BACE1. <i>ChemBioChem</i> , 2007, 8, 2078-2091.	2.6	22
25	Sweetened kallikrein-related peptidases (KLKs): glycan trees as potential regulators of activation and activity. <i>Biological Chemistry</i> , 2014, 395, 959-976.	2.5	22
26	Kallikrein-related peptidases represent attractive therapeutic targets for ovarian cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 745-763.	3.4	22
27	Mechanisms of Proteolytic Enzymes and Their Inhibition in QM/MM Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3232.	4.1	22
28	A Single Glycan at the 99-Loop of Human Kallikrein-related Peptidase 2 Regulates Activation and Enzymatic Activity. <i>Journal of Biological Chemistry</i> , 2016, 291, 593-604.	3.4	21
29	Role of the Cysteine 81 Residue of Macrophage Migration Inhibitory Factor as a Molecular Redox Switch. <i>Biochemistry</i> , 2018, 57, 1523-1532.	2.5	20
30	Characterization of the HslU chaperone affinity for HslV protease. <i>Protein Science</i> , 2005, 14, 1357-1362.	7.6	16
31	Engineering Pyrrolysyl-tRNA Synthetase for the Incorporation of Non-Canonical Amino Acids with Smaller Side Chains. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11194.	4.1	15
32	Crystal structure of the NADP-dependent mannitol dehydrogenase from <i>Cladosporium herbarum</i> : Implications for oligomerisation and catalysis. <i>Biochimie</i> , 2010, 92, 985-993.	2.6	14
33	Specificity profiling of human trypsin-isoenzymes. <i>Biological Chemistry</i> , 2018, 399, 997-1007.	2.5	14
34	Kallikrein-related peptidase 5 and seasonal influenza viruses, limitations of the experimental models for activating proteases. <i>Biological Chemistry</i> , 2018, 399, 1053-1064.	2.5	9
35	Structural basis for the Zn ²⁺ inhibition of the zymogen-like kallikrein-related peptidase 10. <i>Biological Chemistry</i> , 2016, 397, 1251-1264.	2.5	8
36	Reversed Proteolysis—Proteases as Peptide Ligases. <i>Catalysts</i> , 2021, 11, 33.	3.5	8

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37	The solution structure of the kallikrein-related peptidases inhibitor SPINK6. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 103-108.	2.1	7
38	An unexpected switch in peptide binding mode: from simulation to substrate specificity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 4072-4084.	3.5	7
39	Activation and activity of glycosylated KLKs 3, 4 and 11. <i>Biological Chemistry</i> , 2018, 399, 1009-1022.	2.5	7
40	Structural determinants of specificity and regulation of activity in the allosteric loop network of human KLK8/neuropsin. <i>Scientific Reports</i> , 2018, 8, 10705.	3.3	7
41	A mild phenotype of dihydropyrimidine dehydrogenase deficiency and developmental retardation associated with a missense mutation affecting cofactor binding. <i>Clinical Biochemistry</i> , 2011, 44, 722-724.	1.9	4
42	4 Structural Aspects of Kallikrein-related Peptidases. , 2012, , 97-116.		1
43	Kallikrein-Related Peptidase 5. , 2013, , 2772-2778.		1