

Thomas Reinheckel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2330637/thomas-reinheckel-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

11,732
citations

51
h-index

106
g-index

174
ext. papers

13,064
ext. citations

7.7
avg, IF

5.84
L-index

#	Paper	IF	Citations
165	The NALP3 inflammasome is involved in the innate immune response to amyloid-beta. <i>Nature Immunology</i> , 2008 , 9, 857-65	19.1	1646
164	Degradation of oxidized proteins in mammalian cells. <i>FASEB Journal</i> , 1997 , 11, 526-534	0.9	718
163	Distinct roles for cysteine cathepsin genes in multistage tumorigenesis. <i>Genes and Development</i> , 2006 , 20, 543-56	12.6	416
162	Specialized roles for cysteine cathepsins in health and disease. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3421-31	15.9	410
161	Role of cathepsin B in intracellular trypsinogen activation and the onset of acute pancreatitis. <i>Journal of Clinical Investigation</i> , 2000 , 106, 773-81	15.9	403
160	Comparative resistance of the 20S and 26S proteasome to oxidative stress. <i>Biochemical Journal</i> , 1998 , 335 (Pt 3), 637-42	3.8	387
159	Emerging roles of cysteine cathepsins in disease and their potential as drug targets. <i>Current Pharmaceutical Design</i> , 2007 , 13, 387-403	3.3	344
158	Proteolysis in cultured liver epithelial cells during oxidative stress. Role of the multicatalytic proteinase complex, proteasome. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2344-51	5.4	342
157	Ferri-liposomes as an MRI-visible drug-delivery system for targeting tumours and their microenvironment. <i>Nature Nanotechnology</i> , 2011 , 6, 594-602	28.7	321
156	Intracellular complement activation sustains T cell homeostasis and mediates effector differentiation. <i>Immunity</i> , 2013 , 39, 1143-57	32.3	309
155	Tumor cell-derived and macrophage-derived cathepsin B promotes progression and lung metastasis of mammary cancer. <i>Cancer Research</i> , 2006 , 66, 5242-50	10.1	286
154	Degradation of oxidized proteins in K562 human hematopoietic cells by proteasome. <i>Journal of Biological Chemistry</i> , 1996 , 271, 15504-9	5.4	269
153	Cathepsin L is required for endothelial progenitor cell-induced neovascularization. <i>Nature Medicine</i> , 2005 , 11, 206-13	50.5	261
152	Caspase-8 is activated by cathepsin D initiating neutrophil apoptosis during the resolution of inflammation. <i>Journal of Experimental Medicine</i> , 2008 , 205, 685-98	16.6	193
151	Cathepsin L in secretory vesicles functions as a prohormone-processing enzyme for production of the enkephalin peptide neurotransmitter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9590-5	11.5	186
150	Differential impairment of 20S and 26S proteasome activities in human hematopoietic K562 cells during oxidative stress. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 377, 65-8	4.1	167
149	Thyroid functions of mouse cathepsins B, K, and L. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1733-45	15.9	158

148	Dilated cardiomyopathy in mice deficient for the lysosomal cysteine peptidase cathepsin L. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 6234-9	11.5	154
147	Synergistic antitumor effects of combined cathepsin B and cathepsin Z deficiencies on breast cancer progression and metastasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2497-502	11.5	136
146	The lysosomal protease cathepsin L is an important regulator of keratinocyte and melanocyte differentiation during hair follicle morphogenesis and cycling. <i>American Journal of Pathology</i> , 2002 , 160, 1807-21	5.8	132
145	Osteoclastic bone degradation and the role of different cysteine proteinases and matrix metalloproteinases: differences between calvaria and long bone. <i>Journal of Bone and Mineral Research</i> , 2006 , 21, 1399-408	6.3	130
144	Tissue inhibitor of metalloproteinases (TIMP)-1 creates a premetastatic niche in the liver through SDF-1/CXCR4-dependent neutrophil recruitment in mice. <i>Hepatology</i> , 2015 , 61, 238-48	11.2	115
143	Endoscopic treatment of clinically symptomatic leaks of thoracic esophageal anastomoses. <i>Gastrointestinal Endoscopy</i> , 2000 , 51, 73-6	5.2	108
142	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3965-80	15.9	106
141	The lysosomal cysteine protease cathepsin L regulates keratinocyte proliferation by control of growth factor recycling. <i>Journal of Cell Science</i> , 2005 , 118, 3387-95	5.3	98
140	Cathepsin L inactivates human trypsinogen, whereas cathepsin L-deletion reduces the severity of pancreatitis in mice. <i>Gastroenterology</i> , 2010 , 138, 726-37	13.3	84
139	Cystatin M/E is a high affinity inhibitor of cathepsin V and cathepsin L by a reactive site that is distinct from the legumain-binding site. A novel clue for the role of cystatin M/E in epidermal cornification. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15893-9	5.4	84
138	Short-term impairment of energy production in isolated rat liver mitochondria by hypoxia/reoxygenation: involvement of oxidative protein modification. <i>Biochemical Journal</i> , 1997 , 328 (Pt 1), 205-10	3.8	82
137	Genetic cathepsin B deficiency reduces beta-amyloid in transgenic mice expressing human wild-type amyloid precursor protein. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 386, 284-8	3.4	74
136	Mutations in LRPAP1 are associated with severe myopia in humans. <i>American Journal of Human Genetics</i> , 2013 , 93, 313-20	11	72
135	Major role of cathepsin L for producing the peptide hormones ACTH, beta-endorphin, and alpha-MSH, illustrated by protease gene knockout and expression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 35652-9	5.4	65
134	Lysosomal, cytoskeletal, and metabolic alterations in cardiomyopathy of cathepsin L knockout mice. <i>FASEB Journal</i> , 2006 , 20, 1266-8	0.9	65
133	Distinct functions of macrophage-derived and cancer cell-derived cathepsin Z combine to promote tumor malignancy via interactions with the extracellular matrix. <i>Genes and Development</i> , 2014 , 28, 2134-50	12.6	64
132	Cathepsin L activity is essential to elastase perfusion-induced abdominal aortic aneurysms in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2500-8	9.4	64
131	CTSH regulates cell function and disease progression in newly diagnosed type 1 diabetes patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10305-10	11.5	62

130	Comparison of protein oxidation and aldehyde formation during oxidative stress in isolated mitochondria. <i>Free Radical Research</i> , 1998 , 29, 297-305	4	62
129	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , 2013 , 27, 2086-98	12.6	61
128	Adaptation of protein carbonyl detection to the requirements of proteome analysis demonstrated for hypoxia/reoxygenation in isolated rat liver mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 376, 59-65	4.1	61
127	Impaired turnover of autophagolysosomes in cathepsin L deficiency. <i>Biological Chemistry</i> , 2010 , 391, 913-22	4.5	60
126	Nitric oxide produced in rat liver mitochondria causes oxidative stress and impairment of respiration after transient hypoxia. <i>FASEB Journal</i> , 2003 , 17, 2194-201	0.9	60
125	Towards Specific Functions of Lysosomal Cysteine Peptidases: Phenotypes of Mice Deficient for Cathepsin B or Cathepsin L. <i>Biological Chemistry</i> , 2001 , 382, 735-742	4.5	60
124	Specific functions of lysosomal proteases in endocytic and autophagic pathways. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012 , 1824, 34-43	4	59
123	Deletion of cathepsin H perturbs angiogenic switching, vascularization and growth of tumors in a mouse model of pancreatic islet cell cancer. <i>Biological Chemistry</i> , 2010 , 391, 937-45	4.5	59
122	Cathepsin L and Arg/Lys aminopeptidase: a distinct prohormone processing pathway for the biosynthesis of peptide neurotransmitters and hormones. <i>Biological Chemistry</i> , 2004 , 385, 473-80	4.5	56
121	Occurrence of oxidatively modified proteins: an early event in experimental acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 1998 , 24, 393-400	7.8	55
120	Cathepsin B promotes the progression of pancreatic ductal adenocarcinoma in mice. <i>Gut</i> , 2012 , 61, 877-84	4.2	54
119	Emerging Roles of Cysteine Cathepsins in Disease and their Potential as Drug Targets. <i>Current Pharmaceutical Design</i> , 2007 , 13, 385-401	3.3	54
118	Mitophagy in Intestinal Epithelial Cells Triggers Adaptive Immunity during Tumorigenesis. <i>Cell</i> , 2018 , 174, 88-101.e16	56.2	52
117	Asparagine endopeptidase is required for normal kidney physiology and homeostasis. <i>FASEB Journal</i> , 2011 , 25, 1606-17	0.9	52
116	Cathepsin B & L are not required for ebola virus replication. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1923	4.8	52
115	Cathepsin H is an additional convertase of pro-granzyme B. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20514-9	5.4	51
114	Activation of the Nipah virus fusion protein in MDCK cells is mediated by cathepsin B within the endosome-recycling compartment. <i>Journal of Virology</i> , 2012 , 86, 3736-45	6.6	51
113	Cathepsin L is involved in cathepsin D processing and regulation of apoptosis in A549 human lung epithelial cells. <i>Biological Chemistry</i> , 2004 , 385, 665-70	4.5	51

112	Inherited diseases caused by mutations in cathepsin protease genes. <i>FEBS Journal</i> , 2017 , 284, 1437-1454	5.7	49
111	Cathepsin L participates in the production of neuropeptide Y in secretory vesicles, demonstrated by protease gene knockout and expression. <i>Journal of Neurochemistry</i> , 2008 , 106, 384-91	6	47
110	A transporter associated with antigen-processing independent vacuolar pathway for the MHC class I-mediated presentation of endogenous transmembrane proteins. <i>Journal of Immunology</i> , 2007 , 178, 7932-42	5.3	47
109	Role of endogenous and exogenous antioxidants in the defence against functional damage and lipid peroxidation in rat liver mitochondria. <i>Molecular and Cellular Biochemistry</i> , 1997 , 174, 199-205	4.2	46
108	Cell type-specific functions of the lysosomal protease cathepsin L in the heart. <i>Journal of Biological Chemistry</i> , 2007 , 282, 37045-52	5.4	46
107	The human cysteine protease cathepsin V can compensate for murine cathepsin L in mouse epidermis and hair follicles. <i>European Journal of Cell Biology</i> , 2004 , 83, 775-80	6.1	46
106	Cathepsin L is crucial for the development of early experimental diabetic nephropathy. <i>Kidney International</i> , 2016 , 90, 1012-1022	9.9	45
105	Lysosomal processing of progranulin. <i>Molecular Neurodegeneration</i> , 2017 , 12, 62	19	43
104	Human cathepsin L rescues the neurodegeneration and lethality in cathepsin B/L double-deficient mice. <i>Biological Chemistry</i> , 2006 , 387, 885-91	4.5	43
103	Neutrophil and Alveolar Macrophage-Mediated Innate Immune Control of Legionella pneumophila Lung Infection via TNF and ROS. <i>PLoS Pathogens</i> , 2016 , 12, e1005591	7.6	43
102	Cathepsins D and L reduce the toxicity of advanced glycation end products. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1011-23	7.8	41
101	Cathepsin D is one of the major enzymes involved in intracellular degradation of AGE-modified proteins. <i>Free Radical Research</i> , 2010 , 44, 1013-26	4	40
100	Lysosome-Dependent Activation of Human Dendritic Cells by the Vaccine Adjuvant QS-21. <i>Frontiers in Immunology</i> , 2016 , 7, 663	8.4	39
99	Toward computer-based cleavage site prediction of cysteine endopeptidases. <i>Biological Chemistry</i> , 2003 , 384, 899-909	4.5	39
98	Proteasome-dependent turnover of protein disulfide isomerase in oxidatively stressed cells. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 407-13	4.1	39
97	Distinct protease requirements for antigen presentation in vitro and in vivo. <i>Journal of Immunology</i> , 2010 , 184, 2423-31	5.3	38
96	Human and mouse perforin are processed in part through cleavage by the lysosomal cysteine proteinase cathepsin L. <i>Immunology</i> , 2010 , 131, 257-67	7.8	37
95	Profiling trait anxiety: transcriptome analysis reveals cathepsin B (Ctsb) as a novel candidate gene for emotionality in mice. <i>PLoS ONE</i> , 2011 , 6, e23604	3.7	36

94	Trial of the cysteine cathepsin inhibitor JPM-OEt on early and advanced mammary cancer stages in the MMTV-PyMT-transgenic mouse model. <i>Biological Chemistry</i> , 2008 , 389, 1067-74	4.5	36
93	A role for cathepsin E in the processing of mast-cell carboxypeptidase A. <i>Journal of Cell Science</i> , 2005 , 118, 2035-42	5.3	36
92	Differential Impact of Cysteine Cathepsins on Genetic Mouse Models of De novo Carcinogenesis: Cathepsin B as Emerging Therapeutic Target. <i>Frontiers in Pharmacology</i> , 2012 , 3, 133	5.6	35
91	Ezrin turnover and cell shape changes catalyzed by proteasome in oxidatively stressed cells. <i>FASEB Journal</i> , 2002 , 16, 1602-10	0.9	35
90	Cathepsin L participates in dynorphin production in brain cortex, illustrated by protease gene knockout and expression. <i>Molecular and Cellular Neurosciences</i> , 2010 , 43, 98-107	4.8	33
89	Cathepsin L plays a major role in cholecystokinin production in mouse brain cortex and in pituitary AtT-20 cells: protease gene knockout and inhibitor studies. <i>Peptides</i> , 2009 , 30, 1882-91	3.8	33
88	Lysosomal protease deficiency or substrate overload induces an oxidative-stress mediated STAT3-dependent pathway of lysosomal homeostasis. <i>Nature Communications</i> , 2018 , 9, 5343	17.4	33
87	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. <i>Kidney International</i> , 2018 , 93, 1308-1319	9.9	32
86	The cystatin M/E-cathepsin L balance is essential for tissue homeostasis in epidermis, hair follicles, and cornea. <i>FASEB Journal</i> , 2010 , 24, 3744-55	0.9	31
85	Double deficiency of cathepsins B and L results in massive secretome alterations and suggests a degradative cathepsin-MMP axis. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 899-916	10.3	30
84	Deletion of cysteine cathepsins B or L yields differential impacts on murine skin proteome and degradome. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 611-25	7.6	30
83	Gene targeting of the cysteine peptidase cathepsin H impairs lung surfactant in mice. <i>PLoS ONE</i> , 2011 , 6, e26247	3.7	30
82	Electrophoretic evidence for the impairment of complexes of the respiratory chain during iron/ascorbate induced peroxidation in isolated rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995 , 1239, 45-50	3.8	30
81	Spatially and temporally defined lysosomal leakage facilitates mitotic chromosome segregation. <i>Nature Communications</i> , 2020 , 11, 229	17.4	29
80	A role for cathepsin Z in neuroinflammation provides mechanistic support for an epigenetic risk factor in multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2017 , 14, 103	10.1	29
79	The endolysosomal cysteine cathepsins L and K are involved in macrophage-mediated clearance of <i>Staphylococcus aureus</i> and the concomitant cytokine induction. <i>FASEB Journal</i> , 2014 , 28, 162-75	0.9	29
78	The measurement of protein degradation in response to oxidative stress. <i>Methods in Molecular Biology</i> , 2000 , 99, 49-60	1.4	28
77	Expression of human cathepsin L or human cathepsin V in mouse thymus mediates positive selection of T helper cells in cathepsin L knock-out mice. <i>Biochimie</i> , 2010 , 92, 1674-80	4.6	27

76	Nuclear cathepsin D enhances TRPS1 transcriptional repressor function to regulate cell cycle progression and transformation in human breast cancer cells. <i>Oncotarget</i> , 2015 , 6, 28084-103	3.3	27
75	Cathepsin Protease Controls Copper and Cisplatin Accumulation via Cleavage of the Ctr1 Metal-binding Ectodomain. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13905-13916	5.4	27
74	Lysosomal protein turnover contributes to the acquisition of TGFβ1 induced invasive properties of mammary cancer cells. <i>Molecular Cancer</i> , 2015 , 14, 39	42.1	26
73	Contribution of cathepsin L to secretome composition and cleavage pattern of mouse embryonic fibroblasts. <i>Biological Chemistry</i> , 2011 , 392, 961-71	4.5	26
72	Cathepsin D regulates cathepsin B activation and disease severity predominantly in inflammatory cells during experimental pancreatitis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 1018-1029	5.4	26
71	Disrupted in renal carcinoma 2 (DIRC2), a novel transporter of the lysosomal membrane, is proteolytically processed by cathepsin L. <i>Biochemical Journal</i> , 2011 , 439, 113-28	3.8	25
70	Cathepsin X-deficient gastric epithelial cells in co-culture with macrophages: characterization of cytokine response and migration capability after Helicobacter pylori infection. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33691-700	5.4	24
69	Oxidative stress affects pancreatic proteins during the early pathogenesis of rat caerulein pancreatitis. <i>Digestion</i> , 1999 , 60, 56-62	3.6	24
68	Proteolytic cleavage of the disease-related lysosomal membrane glycoprotein CLN7. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1617-28	6.9	23
67	Cathepsin B in antigen-presenting cells controls mediators of the Th1 immune response during Leishmania major infection. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3194	4.8	22
66	Human cathepsin V protease participates in production of enkephalin and NPY neuropeptide neurotransmitters. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15232-41	5.4	21
65	A mechanistic target of rapamycin complex 1/2 (mTORC1)/V-Akt murine thymoma viral oncogene homolog 1 (AKT1)/cathepsin H axis controls filaggrin expression and processing in skin, a novel mechanism for skin barrier disruption in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1229-1241	11.5	20
64	Impact of cathepsin B on the interstitial fluid proteome of murine breast cancers. <i>Biochimie</i> , 2016 , 122, 88-98	4.6	20
63	Cellular senescence induced by cathepsin X downregulation. <i>European Journal of Cell Biology</i> , 2011 , 90, 678-86	6.1	20
62	Cathepsin B release from rodent intestine mucosa due to mechanical injury results in extracellular matrix damage in early post-traumatic phases. <i>Biological Chemistry</i> , 2009 , 390, 481-92	4.5	20
61	Cardiac and ocular pathologies in a mouse model of mucopolysaccharidosis type VI. <i>Pediatric Research</i> , 2003 , 54, 701-8	3.2	20
60	Unconventional Trafficking of Mammalian Phospholipase D3 to Lysosomes. <i>Cell Reports</i> , 2018 , 22, 1040-1053	10.5	19
59	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G548-60	5.1	19

58	LIMP-2 links late phagosomal trafficking with the onset of the innate immune response to <i>Listeria monocytogenes</i> : a role in macrophage activation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3332-41	5.4	19
57	The role of proteases in epithelial-to-mesenchymal cell transitions in cancer. <i>Cancer and Metastasis Reviews</i> , 2019 , 38, 431-444	9.6	18
56	Stress-resistant Translation of Cathepsin L mRNA in Breast Cancer Progression. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15758-15769	5.4	18
55	Combinatorial Omics Analysis Reveals Perturbed Lysosomal Homeostasis in Collagen VII-deficient Keratinocytes. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 565-579	7.6	18
54	Molecular characterization of arylsulfatase G: expression, processing, glycosylation, transport, and activity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27992-8005	5.4	18
53	Decreased arthritis severity in cathepsin L-deficient mice is attributed to an impaired T helper cell compartment. <i>Inflammation Research</i> , 2012 , 61, 1021-9	7.2	18
52	Cathepsin H functions as an aminopeptidase in secretory vesicles for production of enkephalin and galanin peptide neurotransmitters. <i>Journal of Neurochemistry</i> , 2012 , 122, 512-22	6	18
51	MMP14 empowers tumor-initiating breast cancer cells under hypoxic nutrient-depleted conditions. <i>FASEB Journal</i> , 2019 , 33, 4124-4140	0.9	16
50	Unimpeded skin carcinogenesis in K14-HPV16 transgenic mice deficient for plasminogen activator inhibitor. <i>International Journal of Cancer</i> , 2011 , 128, 283-93	7.5	15
49	In Vivo Imaging of Antileukemic Drug Asparaginase Reveals a Rapid Macrophage-Mediated Clearance from the Bone Marrow. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 214-220	8.9	14
48	Out-of-frame start codons prevent translation of truncated nucleo-cytosolic cathepsin L in vivo. <i>Nature Communications</i> , 2014 , 5, 4931	17.4	14
47	Evaluation of UVA-Mediated Oxidative Damage to Proteins and Lipids in Extracorporeal Photoimmunotherapy. <i>Photochemistry and Photobiology</i> , 1999 , 69, 566-570	3.6	14
46	Asparaginyl Endopeptidase (Legumain) Supports Human Th1 Induction via Cathepsin L-Mediated Intracellular C3 Activation. <i>Frontiers in Immunology</i> , 2018 , 9, 2449	8.4	14
45	Neuroectoderm-specific deletion of cathepsin D in mice models human inherited neuronal ceroid lipofuscinosis type 10. <i>Biochimie</i> , 2016 , 122, 219-26	4.6	13
44	Cysteine cathepsins are not involved in Fas/CD95 signalling in primary skin fibroblasts. <i>FEBS Letters</i> , 2007 , 581, 5185-90	3.8	13
43	Cathepsin D deficiency in mammary epithelium transiently stalls breast cancer by interference with mTORC1 signaling. <i>Nature Communications</i> , 2020 , 11, 5133	17.4	13
42	Cathepsin G in Experimental Tuberculosis: Relevance for Antibacterial Protection and Potential for Immunotherapy. <i>Journal of Immunology</i> , 2015 , 195, 3325-33	5.3	11
41	Reduced neutrophil sequestration in lung tissue after laparoscopic lavage in a rat peritonitis model. <i>World Journal of Surgery</i> , 2002 , 26, 49-53	3.3	11

40	Induction of premalignant host responses by cathepsin x/z-deficiency in Helicobacter pylori-infected mice. <i>PLoS ONE</i> , 2013 , 8, e70242	3.7	10
39	Differentially expressed genes in hippocampal cell cultures in response to an excitotoxic insult by quinolinic acid. <i>Molecular Brain Research</i> , 1998 , 60, 296-300		10
38	Cysteine-type cathepsins promote the effector phase of acute cutaneous delayed-type hypersensitivity reactions. <i>Theranostics</i> , 2019 , 9, 3903-3917	12.1	9
37	Differential oxidative injury in extrapancreatic tissues during experimental pancreatitis: modification of lung proteins by 4-hydroxynonenal. <i>Digestive Diseases and Sciences</i> , 2001 , 46, 932-7	4	9
36	Proteolysis-a characteristic of tumor-initiating cells in murine metastatic breast cancer. <i>Oncotarget</i> , 2016 , 7, 58244-58260	3.3	9
35	Tumor cell- and microenvironment-specific roles of cysteine cathepsins in mouse models of human cancers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140423	4	8
34	Low doses of cholera toxin and its mediator cAMP induce CTLA-2 secretion by dendritic cells to enhance regulatory T cell conversion. <i>PLoS ONE</i> , 2017 , 12, e0178114	3.7	8
33	On the road to inflammation: linking lysosome disruption, lysosomal protease release and necrotic death of immune cells. <i>Cell Cycle</i> , 2013 , 12, 1994	4.7	8
32	Discordance in cathepsin B and cystatin C expressions in bronchoalveolar fluids between murine bleomycin-induced fibrosis and human idiopathic fibrosis. <i>Respiratory Research</i> , 2016 , 17, 118	7.3	8
31	Early trypsin activation develops independently of autophagy in caerulein-induced pancreatitis in mice. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 1811-1825	10.3	8
30	A 9-kDa matricellular SPARC fragment released by cathepsin D exhibits pro-tumor activity in the triple-negative breast cancer microenvironment. <i>Theranostics</i> , 2021 , 11, 6173-6192	12.1	8
29	B-Raf deficiency impairs tumor initiation and progression in a murine breast cancer model. <i>Oncogene</i> , 2019 , 38, 1324-1339	9.2	7
28	Proteomic analysis of lung metastases in a murine breast cancer model reveals divergent influence of CTSB and CTSL overexpression. <i>Journal of Cancer</i> , 2017 , 8, 4065-4074	4.5	7
27	Allergic airway inflammation in mice deficient for the antigen-processing protease cathepsin E. <i>International Archives of Allergy and Immunology</i> , 2012 , 159, 367-83	3.7	7
26	Impact of proteolysis on cancer stem cell functions. <i>Biochimie</i> , 2019 , 166, 214-222	4.6	6
25	Cathepsin E Deficiency Ameliorates Graft-versus-Host Disease and Modifies Dendritic Cell Motility. <i>Frontiers in Immunology</i> , 2017 , 8, 203	8.4	6
24	The activity and localization patterns of cathepsins B and X in cells of the mouse gastrointestinal tract differ along its length. <i>Biological Chemistry</i> , 2014 , 395, 1201-19	4.5	6
23	Murine and human cathepsin B exhibit similar properties: possible implications for drug discovery. <i>Biological Chemistry</i> , 2009 , 390, 175-9	4.5	6

22	BRAF drives dedifferentiation in small intestinal and colonic organoids and cooperates with mutant p53 and Apc loss in transformation. <i>Oncogene</i> , 2020 , 39, 6053-6070	9.2	6
21	A new model system identifies epidermal growth factor receptor-human epidermal growth factor receptor 2 (HER2) and HER2-human epidermal growth factor receptor 3 heterodimers as potent inducers of oesophageal epithelial cell invasion. <i>Journal of Pathology</i> , 2017 , 243, 481-495	9.4	5
20	Intracellular cathepsin C levels determine sensitivity of cells to leucyl-leucine methyl ester-triggered apoptosis. <i>FEBS Journal</i> , 2020 , 287, 5148-5166	5.7	5
19	Neuronal-specific microexon splicing of mRNA is directly regulated by SRRM4/nSR100. <i>RNA Biology</i> , 2020 , 17, 62-74	4.8	5
18	Cathepsin B as a potential cystatin M/E target in the mouse hair follicle. <i>FASEB Journal</i> , 2017 , 31, 4286-4294	4.9	4
17	Cathepsin B-deficient mice as source of monoclonal anti-cathepsin B antibodies. <i>Biological Chemistry</i> , 2015 , 396, 277-81	4.5	4
16	Studies of intestinal morphology and cathepsin B expression in a transgenic mouse aiming at intestine-specific expression of Cath B-EGFP. <i>Biological Chemistry</i> , 2011 , 392, 983-93	4.5	4
15	CA/C1 peptidases of the malaria parasites Plasmodium falciparum and P. berghei and their mammalian hosts--a bioinformatical analysis. <i>Biological Chemistry</i> , 2009 , 390, 1185-97	4.5	3
14	An open source protein gel documentation system for proteome analyses. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 168-9		2
13	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. <i>Journal of Clinical Investigation</i> , 2012 , 122, 780-780	15.9	2
12	Cathepsin H deficiency decreases hypoxia-ischemia-induced hippocampal atrophy in neonatal mice through attenuated TLR3/IFN- β signaling. <i>Journal of Neuroinflammation</i> , 2021 , 18, 176	10.1	2
11	Murine and human cathepsin B exhibit similar properties: possible implications for drug discovery. <i>Biological Chemistry</i> , 2009 , 390, 517-517	4.5	1
10	Differential regulation of progranulin derived granulin peptides.. <i>Molecular Neurodegeneration</i> , 2022 , 17, 15	19	1
9	Caspase-8 is activated by cathepsin D-initiating neutrophil apoptosis during the resolution of inflammation. <i>Journal of Cell Biology</i> , 2008 , 180, i14-i14	7.3	1
8	The secreted inhibitor of invasive cell growth CREG1 is negatively regulated by cathepsin proteases. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 733-755	10.3	1
7	Differential regulation of progranulin derived granulin peptides		1
6	Role of endogenous and exogenous antioxidants in the defence against functional damage and lipid peroxidation in rat liver mitochondria 1997 , 199-205		1
5	Low level lysosomal membrane permeabilization for limited release and sub-lethal functions of cathepsin proteases in the cytosol and nucleus.. <i>FEBS Open Bio</i> , 2022 ,	2.7	1

- 4 Micromolar calcium prevents isolated rat liver mitochondria from anoxia-reoxygenation injury. *IUBMB Life*, **1997**, 43, 35-45 4-7
- 3 Trial of the cysteine cathepsin inhibitor JPM-OEt on early and advanced mammary cancer stages in the MMTV-PyMT-transgenic mouse model. *Biological Chemistry*, **2008**, 080808065201770-21 4-5
- 2 Secreted Cysteine Cathepsins [Versatile Players in Extracellular Proteolysis] 283-297
- 1 Analyzing the Role of Proteases in Breast Cancer Progression and Metastasis Using Primary Cells from Transgenic Oncomice. *Methods in Molecular Biology*, **2021**, 2294, 275-293 1-4