

# Thomas Reinheckel

## List of Publications by Year in Descending Order

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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	Differential regulation of progranulin derived granulin peptides.. <i>Molecular Neurodegeneration</i> , <b>2022</b> , 17, 15	19	1
164	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> , <b>2022</b> ,	2.7	1
163	The secreted inhibitor of invasive cell growth CREG1 is negatively regulated by cathepsin proteases. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 733-755	10.3	1
162	A 9-kDa matricellular SPARC fragment released by cathepsin D exhibits pro-tumor activity in the triple-negative breast cancer microenvironment. <i>Theranostics</i> , <b>2021</b> , 11, 6173-6192	12.1	8
161	Cathepsin H deficiency decreases hypoxia-ischemia-induced hippocampal atrophy in neonatal mice through attenuated TLR3/IFN- $\beta$ signaling. <i>Journal of Neuroinflammation</i> , <b>2021</b> , 18, 176	10.1	2
160	Analyzing the Role of Proteases in Breast Cancer Progression and Metastasis Using Primary Cells from Transgenic Oncomice. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2294, 275-293	1.4	
159	Spatially and temporally defined lysosomal leakage facilitates mitotic chromosome segregation. <i>Nature Communications</i> , <b>2020</b> , 11, 229	17.4	29
158	Tumor cell- and microenvironment-specific roles of cysteine cathepsins in mouse models of human cancers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2020</b> , 1868, 140423	4	8
157	Intracellular cathepsin C levels determine sensitivity of cells to leucyl-leucine methyl ester-triggered apoptosis. <i>FEBS Journal</i> , <b>2020</b> , 287, 5148-5166	5.7	5
156	Cathepsin D deficiency in mammary epithelium transiently stalls breast cancer by interference with mTORC1 signaling. <i>Nature Communications</i> , <b>2020</b> , 11, 5133	17.4	13
155	BRAF drives dedifferentiation in small intestinal and colonic organoids and cooperates with mutant p53 and Apc loss in transformation. <i>Oncogene</i> , <b>2020</b> , 39, 6053-6070	9.2	6
154	Neuronal-specific microexon splicing of mRNA is directly regulated by SRRM4/nSR100. <i>RNA Biology</i> , <b>2020</b> , 17, 62-74	4.8	5
153	Early trypsin activation develops independently of autophagy in caerulein-induced pancreatitis in mice. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 1811-1825	10.3	8
152	The role of proteases in epithelial-to-mesenchymal cell transitions in cancer. <i>Cancer and Metastasis Reviews</i> , <b>2019</b> , 38, 431-444	9.6	18
151	Cysteine-type cathepsins promote the effector phase of acute cutaneous delayed-type hypersensitivity reactions. <i>Theranostics</i> , <b>2019</b> , 9, 3903-3917	12.1	9
150	B-Raf deficiency impairs tumor initiation and progression in a murine breast cancer model. <i>Oncogene</i> , <b>2019</b> , 38, 1324-1339	9.2	7
149	Impact of proteolysis on cancer stem cell functions. <i>Biochimie</i> , <b>2019</b> , 166, 214-222	4.6	6

148	MMP14 empowers tumor-initiating breast cancer cells under hypoxic nutrient-depleted conditions. <i>FASEB Journal</i> , <b>2019</b> , 33, 4124-4140	0.9	16
147	Unconventional Trafficking of Mammalian Phospholipase D3 to Lysosomes. <i>Cell Reports</i> , <b>2018</b> , 22, 1040-1053	10.5	19
146	Combinatorial Omics Analysis Reveals Perturbed Lysosomal Homeostasis in Collagen VII-deficient Keratinocytes. <i>Molecular and Cellular Proteomics</i> , <b>2018</b> , 17, 565-579	7.6	18
145	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. <i>Kidney International</i> , <b>2018</b> , 93, 1308-1319	9.9	32
144	Mitophagy in Intestinal Epithelial Cells Triggers Adaptive Immunity during Tumorigenesis. <i>Cell</i> , <b>2018</b> , 174, 88-101.e16	56.2	52
143	Cathepsin D regulates cathepsin B activation and disease severity predominantly in inflammatory cells during experimental pancreatitis. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 1018-1029	5.4	26
142	Asparaginyl Endopeptidase (Legumain) Supports Human Th1 Induction via Cathepsin L-Mediated Intracellular C3 Activation. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2449	8.4	14
141	Lysosomal protease deficiency or substrate overload induces an oxidative-stress mediated STAT3-dependent pathway of lysosomal homeostasis. <i>Nature Communications</i> , <b>2018</b> , 9, 5343	17.4	33
140	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> , <b>2017</b> , 139, 1228-1241	11.5	20
139	Cathepsin B as a potential cystatin M/E target in the mouse hair follicle. <i>FASEB Journal</i> , <b>2017</b> , 31, 4286-4294	4.9	4
138	Inherited diseases caused by mutations in cathepsin protease genes. <i>FEBS Journal</i> , <b>2017</b> , 284, 1437-1454	15.7	49
137	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> , <b>2017</b> , 243, 481-495	9.4	5
136	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> , <b>2017</b> , 12, e0178114	3.7	8
135	Lysosomal processing of progranulin. <i>Molecular Neurodegeneration</i> , <b>2017</b> , 12, 62	19	43
134	Proteomic analysis of lung metastases in a murine breast cancer model reveals divergent influence of CTSB and CTSL overexpression. <i>Journal of Cancer</i> , <b>2017</b> , 8, 4065-4074	4.5	7
133	A role for cathepsin Z in neuroinflammation provides mechanistic support for an epigenetic risk factor in multiple sclerosis. <i>Journal of Neuroinflammation</i> , <b>2017</b> , 14, 103	10.1	29
132	In Vivo Imaging of Antileukemic Drug Asparaginase Reveals a Rapid Macrophage-Mediated Clearance from the Bone Marrow. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 214-220	8.9	14
131	Cathepsin E Deficiency Ameliorates Graft-versus-Host Disease and Modifies Dendritic Cell Motility. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 203	8.4	6

130	Cathepsin L is crucial for the development of early experimental diabetic nephropathy. <i>Kidney International</i> , <b>2016</b> , 90, 1012-1022	9.9	45
129	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G548-60	5.1	19
128	Impact of cathepsin B on the interstitial fluid proteome of murine breast cancers. <i>Biochimie</i> , <b>2016</b> , 122, 88-98	4.6	20
127	Neuroectoderm-specific deletion of cathepsin D in mice models human inherited neuronal ceroid lipofuscinosis type 10. <i>Biochimie</i> , <b>2016</b> , 122, 219-26	4.6	13
126	Lysosome-Dependent Activation of Human Dendritic Cells by the Vaccine Adjuvant QS-21. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 663	8.4	39
125	Neutrophil and Alveolar Macrophage-Mediated Innate Immune Control of Legionella pneumophila Lung Infection via TNF and ROS. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005591	7.6	43
124	Proteolysis-a characteristic of tumor-initiating cells in murine metastatic breast cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 58244-58260	3.3	9
123	Discordance in cathepsin B and cystatin C expressions in bronchoalveolar fluids between murine bleomycin-induced fibrosis and human idiopathic fibrosis. <i>Respiratory Research</i> , <b>2016</b> , 17, 118	7.3	8
122	Cathepsin Protease Controls Copper and Cisplatin Accumulation via Cleavage of the Ctr1 Metal-binding Ectodomain. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 13905-13916	5.4	27
121	Stress-resistant Translation of Cathepsin L mRNA in Breast Cancer Progression. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 15758-15769	5.4	18
120	Lysosomal protein turnover contributes to the acquisition of TGF $\beta$ 1 induced invasive properties of mammary cancer cells. <i>Molecular Cancer</i> , <b>2015</b> , 14, 39	42.1	26
119	Cathepsin G in Experimental Tuberculosis: Relevance for Antibacterial Protection and Potential for Immunotherapy. <i>Journal of Immunology</i> , <b>2015</b> , 195, 3325-33	5.3	11
118	Cathepsin B-deficient mice as source of monoclonal anti-cathepsin B antibodies. <i>Biological Chemistry</i> , <b>2015</b> , 396, 277-81	4.5	4
117	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> , <b>2015</b> , 61, 238-48	11.2	115
116	Nuclear cathepsin D enhances TRPS1 transcriptional repressor function to regulate cell cycle progression and transformation in human breast cancer cells. <i>Oncotarget</i> , <b>2015</b> , 6, 28084-103	3.3	27
115	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> , <b>2014</b> , 28, 2134-50	12.6	64
114	Molecular characterization of arylsulfatase G: expression, processing, glycosylation, transport, and activity. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 27992-8005	5.4	18
113	CTSH regulates $\beta$ 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> , <b>2014</b> , 111, 10305-10	11.5	62

112	Cathepsin B in antigen-presenting cells controls mediators of the Th1 immune response during Leishmania major infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3194	4.8	22
111	Out-of-frame start codons prevent translation of truncated nucleo-cytosolic cathepsin L in vivo. <i>Nature Communications</i> , <b>2014</b> , 5, 4931	17.4	14
110	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> , <b>2014</b> , 395, 1201-19	4.5	6
109	The endolysosomal cysteine cathepsins L and K are involved in macrophage-mediated clearance of Staphylococcus aureus and the concomitant cytokine induction. <i>FASEB Journal</i> , <b>2014</b> , 28, 162-75	0.9	29
108	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> , <b>2014</b> , 71, 899-916	10.3	30
107	Mutations in LRPAP1 are associated with severe myopia in humans. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 313-20	11	72
106	Intracellular complement activation sustains T cell homeostasis and mediates effector differentiation. <i>Immunity</i> , <b>2013</b> , 39, 1143-57	32.3	309
105	On the road to inflammation: linking lysosome disruption, lysosomal protease release and necrotic death of immune cells. <i>Cell Cycle</i> , <b>2013</b> , 12, 1994	4.7	8
104	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , <b>2013</b> , 27, 2086-98	12.6	61
103	Deletion of cysteine cathepsins B or L yields differential impacts on murine skin proteome and degradome. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 611-25	7.6	30
102	Induction of premalignant host responses by cathepsin x/z-deficiency in Helicobacter pylori-infected mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e70242	3.7	10
101	Decreased arthritis severity in cathepsin L-deficient mice is attributed to an impaired T helper cell compartment. <i>Inflammation Research</i> , <b>2012</b> , 61, 1021-9	7.2	18
100	Cathepsin H functions as an aminopeptidase in secretory vesicles for production of enkephalin and galanin peptide neurotransmitters. <i>Journal of Neurochemistry</i> , <b>2012</b> , 122, 512-22	6	18
99	Specific functions of lysosomal proteases in endocytic and autophagic pathways. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 34-43	4	59
98	Proteolytic cleavage of the disease-related lysosomal membrane glycoprotein CLN7. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2012</b> , 1822, 1617-28	6.9	23
97	Human cathepsin V protease participates in production of enkephalin and NPY neuropeptide neurotransmitters. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 15232-41	5.4	21
96	Cathepsins D and L reduce the toxicity of advanced glycation end products. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 1011-23	7.8	41
95	Cathepsin B & L are not required for ebola virus replication. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1923	4.8	52

94	Differential Impact of Cysteine Cathepsins on Genetic Mouse Models of De novo Carcinogenesis: Cathepsin B as Emerging Therapeutic Target. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 133	5.6	35
93	Allergic airway inflammation in mice deficient for the antigen-processing protease cathepsin E. <i>International Archives of Allergy and Immunology</i> , <b>2012</b> , 159, 367-83	3.7	7
92	Cathepsin B promotes the progression of pancreatic ductal adenocarcinoma in mice. <i>Gut</i> , <b>2012</b> , 61, 877-84	4.2	54
91	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> , <b>2012</b> , 86, 3736-45	6.6	51
90	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 780-780	15.9	2
89	Profiling trait anxiety: transcriptome analysis reveals cathepsin B (Ctsb) as a novel candidate gene for emotionality in mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e23604	3.7	36
88	Gene targeting of the cysteine peptidase cathepsin H impairs lung surfactant in mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e26247	3.7	30
87	Disrupted in renal carcinoma 2 (DIRC2), a novel transporter of the lysosomal membrane, is proteolytically processed by cathepsin L. <i>Biochemical Journal</i> , <b>2011</b> , 439, 113-28	3.8	25
86	Cellular senescence induced by cathepsin X downregulation. <i>European Journal of Cell Biology</i> , <b>2011</b> , 90, 678-86	6.1	20
85	Ferri-liposomes as an MRI-visible drug-delivery system for targeting tumours and their microenvironment. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 594-602	28.7	321
84	Unimpeded skin carcinogenesis in K14-HPV16 transgenic mice deficient for plasminogen activator inhibitor. <i>International Journal of Cancer</i> , <b>2011</b> , 128, 283-93	7.5	15
83	Contribution of cathepsin L to secretome composition and cleavage pattern of mouse embryonic fibroblasts. <i>Biological Chemistry</i> , <b>2011</b> , 392, 961-71	4.5	26
82	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> , <b>2011</b> , 392, 983-93	4.5	4
81	LIMP-2 links late phagosomal trafficking with the onset of the innate immune response to Listeria monocytogenes: a role in macrophage activation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 3332-41	5.4	19
80	Cathepsin L activity is essential to elastase perfusion-induced abdominal aortic aneurysms in mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 2500-8	9.4	64
79	Asparagine endopeptidase is required for normal kidney physiology and homeostasis. <i>FASEB Journal</i> , <b>2011</b> , 25, 1606-17	0.9	52
78	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3965-80	15.9	106
77	Human and mouse perforin are processed in part through cleavage by the lysosomal cysteine proteinase cathepsin L. <i>Immunology</i> , <b>2010</b> , 131, 257-67	7.8	37

76	Impaired turnover of autophagolysosomes in cathepsin L deficiency. <i>Biological Chemistry</i> , <b>2010</b> , 391, 913-22	4.5	60
75	The cystatin M/E-cathepsin L balance is essential for tissue homeostasis in epidermis, hair follicles, and cornea. <i>FASEB Journal</i> , <b>2010</b> , 24, 3744-55	0.9	31
74	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> , <b>2010</b> , 391, 937-45	4.5	59
73	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> , <b>2010</b> , 107, 2497-502	11.5	136
72	Distinct protease requirements for antigen presentation in vitro and in vivo. <i>Journal of Immunology</i> , <b>2010</b> , 184, 2423-31	5.3	38
71	Cathepsin X-deficient gastric epithelial cells in co-culture with macrophages: characterization of cytokine response and migration capability after <i>Helicobacter pylori</i> infection. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 33691-700	5.4	24
70	Cathepsin H is an additional convertase of pro-granzyme B. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 20514-9	5.4	51
69	Cathepsin D is one of the major enzymes involved in intracellular degradation of AGE-modified proteins. <i>Free Radical Research</i> , <b>2010</b> , 44, 1013-26	4	40
68	Cathepsin L inactivates human trypsinogen, whereas cathepsin L-deletion reduces the severity of pancreatitis in mice. <i>Gastroenterology</i> , <b>2010</b> , 138, 726-37	13.3	84
67	Cathepsin L participates in dynorphin production in brain cortex, illustrated by protease gene knockout and expression. <i>Molecular and Cellular Neurosciences</i> , <b>2010</b> , 43, 98-107	4.8	33
66	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> , <b>2010</b> , 92, 1674-80	4.6	27
65	Specialized roles for cysteine cathepsins in health and disease. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 3421-31	15.9	410
64	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> , <b>2009</b> , 390, 481-92	4.5	20
63	Murine and human cathepsin B exhibit similar properties: possible implications for drug discovery. <i>Biological Chemistry</i> , <b>2009</b> , 390, 175-9	4.5	6
62	CA/C1 peptidases of the malaria parasites <i>Plasmodium falciparum</i> and <i>P. berghei</i> and their mammalian hosts--a bioinformatical analysis. <i>Biological Chemistry</i> , <b>2009</b> , 390, 1185-97	4.5	3
61	Murine and human cathepsin B exhibit similar properties: possible implications for drug discovery. <i>Biological Chemistry</i> , <b>2009</b> , 390, 517-517	4.5	1
60	Genetic cathepsin B deficiency reduces beta-amyloid in transgenic mice expressing human wild-type amyloid precursor protein. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 386, 284-8	3.4	74
59	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> , <b>2009</b> , 30, 1882-91	3.8	33

58	The NALP3 inflammasome is involved in the innate immune response to amyloid-beta. <i>Nature Immunology</i> , <b>2008</b> , 9, 857-65	19.1	1646
57	Cathepsin L participates in the production of neuropeptide Y in secretory vesicles, demonstrated by protease gene knockout and expression. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 384-91	6	47
56	Caspase-8 is activated by cathepsin D initiating neutrophil apoptosis during the resolution of inflammation. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 685-98	16.6	193
55	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> , <b>2008</b> , 389, 1067-74	4.5	36
54	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> , <b>2008</b> , 283, 35652-9	5.4	65
53	Caspase-8 is activated by cathepsin D-initiating neutrophil apoptosis during the resolution of inflammation. <i>Journal of Cell Biology</i> , <b>2008</b> , 180, i14-i14	7.3	1
52	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> , <b>2008</b> , 080808065201770-21	4.5	
51	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> , <b>2007</b> , 178, 7932-42	5.3	47
50	Emerging Roles of Cysteine Cathepsins in Disease and their Potential as Drug Targets. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 385-401	3.3	54
49	Emerging roles of cysteine cathepsins in disease and their potential as drug targets. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 387-403	3.3	344
48	Cell type-specific functions of the lysosomal protease cathepsin L in the heart. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 37045-52	5.4	46
47	Cysteine cathepsins are not involved in Fas/CD95 signalling in primary skin fibroblasts. <i>FEBS Letters</i> , <b>2007</b> , 581, 5185-90	3.8	13
46	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> , <b>2006</b> , 281, 15893-9	5.4	84
45	Lysosomal, cytoskeletal, and metabolic alterations in cardiomyopathy of cathepsin L knockout mice. <i>FASEB Journal</i> , <b>2006</b> , 20, 1266-8	0.9	65
44	Tumor cell-derived and macrophage-derived cathepsin B promotes progression and lung metastasis of mammary cancer. <i>Cancer Research</i> , <b>2006</b> , 66, 5242-50	10.1	286
43	Human cathepsin L rescues the neurodegeneration and lethality in cathepsin B/L double-deficient mice. <i>Biological Chemistry</i> , <b>2006</b> , 387, 885-91	4.5	43
42	Distinct roles for cysteine cathepsin genes in multistage tumorigenesis. <i>Genes and Development</i> , <b>2006</b> , 20, 543-56	12.6	416
41	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> , <b>2006</b> , 21, 1399-408	6.3	130



40	Cathepsin L is required for endothelial progenitor cell-induced neovascularization. <i>Nature Medicine</i> , <b>2005</b> , 11, 206-13	50.5	261
39	The lysosomal cysteine protease cathepsin L regulates keratinocyte proliferation by control of growth factor recycling. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 3387-95	5.3	98
38	A role for cathepsin E in the processing of mast-cell carboxypeptidase A. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 2035-42	5.3	36
37	Cathepsin L is involved in cathepsin D processing and regulation of apoptosis in A549 human lung epithelial cells. <i>Biological Chemistry</i> , <b>2004</b> , 385, 665-70	4.5	51
36	Cathepsin L and Arg/Lys aminopeptidase: a distinct prohormone processing pathway for the biosynthesis of peptide neurotransmitters and hormones. <i>Biological Chemistry</i> , <b>2004</b> , 385, 473-80	4.5	56
35	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> , <b>2004</b> , 83, 775-80	6.1	46
34	An open source protein gel documentation system for proteome analyses. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2004</b> , 44, 168-9		2
33	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> , <b>2003</b> , 100, 9590-5	11.5	186
32	Nitric oxide produced in rat liver mitochondria causes oxidative stress and impairment of respiration after transient hypoxia. <i>FASEB Journal</i> , <b>2003</b> , 17, 2194-201	0.9	60
31	Cardiac and ocular pathologies in a mouse model of mucopolysaccharidosis type VI. <i>Pediatric Research</i> , <b>2003</b> , 54, 701-8	3.2	20
30	Thyroid functions of mouse cathepsins B, K, and L. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1733-45	15.9	158
29	Toward computer-based cleavage site prediction of cysteine endopeptidases. <i>Biological Chemistry</i> , <b>2003</b> , 384, 899-909	4.5	39
28	Ezrin turnover and cell shape changes catalyzed by proteasome in oxidatively stressed cells. <i>FASEB Journal</i> , <b>2002</b> , 16, 1602-10	0.9	35
27	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> , <b>2002</b> , 99, 6234-9	11.5	154
26	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> , <b>2002</b> , 160, 1807-21	5.8	132
25	Proteasome-dependent turnover of protein disulfide isomerase in oxidatively stressed cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2002</b> , 397, 407-13	4.1	39
24	Reduced neutrophil sequestration in lung tissue after laparoscopic lavage in a rat peritonitis model. <i>World Journal of Surgery</i> , <b>2002</b> , 26, 49-53	3.3	11
23	Differential oxidative injury in extrapancreatic tissues during experimental pancreatitis: modification of lung proteins by 4-hydroxynonenal. <i>Digestive Diseases and Sciences</i> , <b>2001</b> , 46, 932-7	4	9

22	Towards Specific Functions of Lysosomal Cysteine Peptidases: Phenotypes of Mice Deficient for Cathepsin B or Cathepsin L. <i>Biological Chemistry</i> , <b>2001</b> , 382, 735-742	4.5	60
21	Role of cathepsin B in intracellular trypsinogen activation and the onset of acute pancreatitis. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 773-81	15.9	403
20	The measurement of protein degradation in response to oxidative stress. <i>Methods in Molecular Biology</i> , <b>2000</b> , 99, 49-60	1.4	28
19	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> , <b>2000</b> , 376, 59-65	4.1	61
18	Differential impairment of 20S and 26S proteasome activities in human hematopoietic K562 cells during oxidative stress. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 377, 65-8	4.1	167
17	Endoscopic treatment of clinically symptomatic leaks of thoracic esophageal anastomoses. <i>Gastrointestinal Endoscopy</i> , <b>2000</b> , 51, 73-6	5.2	108
16	Oxidative stress affects pancreatic proteins during the early pathogenesis of rat caerulein pancreatitis. <i>Digestion</i> , <b>1999</b> , 60, 56-62	3.6	24
15	Evaluation of UVA-Mediated Oxidative Damage to Proteins and Lipids in Extracorporeal Photoimmunotherapy. <i>Photochemistry and Photobiology</i> , <b>1999</b> , 69, 566-570	3.6	14
14	Occurrence of oxidatively modified proteins: an early event in experimental acute pancreatitis. <i>Free Radical Biology and Medicine</i> , <b>1998</b> , 24, 393-400	7.8	55
13	Differentially expressed genes in hippocampal cell cultures in response to an excitotoxic insult by quinolinic acid. <i>Molecular Brain Research</i> , <b>1998</b> , 60, 296-300		10
12	Comparison of protein oxidation and aldehyde formation during oxidative stress in isolated mitochondria. <i>Free Radical Research</i> , <b>1998</b> , 29, 297-305	4	62
11	Comparative resistance of the 20S and 26S proteasome to oxidative stress. <i>Biochemical Journal</i> , <b>1998</b> , 335 ( Pt 3), 637-42	3.8	387
10	Short-term impairment of energy production in isolated rat liver mitochondria by hypoxia/reoxygenation: involvement of oxidative protein modification. <i>Biochemical Journal</i> , <b>1997</b> , 328 ( Pt 1), 205-10	3.8	82
9	Degradation of oxidized proteins in mammalian cells. <i>FASEB Journal</i> , <b>1997</b> , 11, 526-534	0.9	718
8	Micromolar calcium prevents isolated rat liver mitochondria from anoxia-reoxygenation injury. <i>IUBMB Life</i> , <b>1997</b> , 43, 35-45	4.7	
7	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> , <b>1997</b> , 174, 199-205	4.2	46
6	Role of endogenous and exogenous antioxidants in the defence against functional damage and lipid peroxidation in rat liver mitochondria <b>1997</b> , 199-205		1
5	Degradation of oxidized proteins in K562 human hematopoietic cells by proteasome. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 15504-9	5.4	269

- 4 Proteolysis in cultured liver epithelial cells during oxidative stress. Role of the multicatalytic proteinase complex, proteasome. *Journal of Biological Chemistry*, **1995**, 270, 2344-51 5.4 342
- 3 Electrophoretic evidence for the impairment of complexes of the respiratory chain during iron/ascorbate induced peroxidation in isolated rat liver mitochondria. *Biochimica Et Biophysica Acta - Biomembranes*, **1995**, 1239, 45-50 3.8 30
- 2 Secreted Cysteine Cathepsins [Versatile Players in Extracellular Proteolysis] 283-297
- 1 Differential regulation of progranulin derived granulin peptides 1