

Thomas Reinheckel

List of Publications by Year in descending order

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170
papers

14,193
citations

28190

55
h-index

20900

115
g-index

174
all docs

174
docs citations

174
times ranked

17443
citing authors

#	ARTICLE	IF	CITATIONS
1	The NALP3 inflammasome is involved in the innate immune response to amyloid- β^2 . <i>Nature Immunology</i> , 2008, 9, 857-865.	7.0	2,047
2	Degradation of oxidized proteins in mammalian cells. <i>FASEB Journal</i> , 1997, 11, 526-534.	0.2	772
3	Role of cathepsin B in intracellular trypsinogen activation and the onset of acute pancreatitis. <i>Journal of Clinical Investigation</i> , 2000, 106, 773-781.	3.9	489
4	Specialized roles for cysteine cathepsins in health and disease. <i>Journal of Clinical Investigation</i> , 2010, 120, 3421-3431.	3.9	478
5	Distinct roles for cysteine cathepsin genes in multistage tumorigenesis. <i>Genes and Development</i> , 2006, 20, 543-556.	2.7	475
6	Intracellular Complement Activation Sustains T Cell Homeostasis and Mediates Effector Differentiation. <i>Immunity</i> , 2013, 39, 1143-1157.	6.6	444
7	Comparative resistance of the 20S and 26S proteasome to oxidative stress. <i>Biochemical Journal</i> , 1998, 335, 637-642.	1.7	410
8	Emerging Roles of Cysteine Cathepsins in Disease and their Potential as Drug Targets. <i>Current Pharmaceutical Design</i> , 2007, 13, 387-403.	0.9	398
9	Proteolysis in Cultured Liver Epithelial Cells during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1995, 270, 2344-2351.	1.6	384
10	Ferri-liposomes as an MRI-visible drug-delivery system for targeting tumours and their microenvironment. <i>Nature Nanotechnology</i> , 2011, 6, 594-602.	15.6	358
11	Tumor Cell-Derived and Macrophage-Derived Cathepsin B Promotes Progression and Lung Metastasis of Mammary Cancer. <i>Cancer Research</i> , 2006, 66, 5242-5250.	0.4	336
12	Degradation of Oxidized Proteins in K562 Human Hematopoietic Cells by Proteasome. <i>Journal of Biological Chemistry</i> , 1996, 271, 15504-15509.	1.6	305
13	Cathepsin L is required for endothelial progenitor cell-induced neovascularization. <i>Nature Medicine</i> , 2005, 11, 206-213.	15.2	278
14	Caspase-8 is activated by cathepsin D initiating neutrophil apoptosis during the resolution of inflammation. <i>Journal of Experimental Medicine</i> , 2008, 205, 685-698.	4.2	221
15	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, 9590-9595.	3.3	199
16	Thyroid functions of mouse cathepsins B, K, and L. <i>Journal of Clinical Investigation</i> , 2003, 111, 1733-1745.	3.9	188
17	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, 65-68.	1.4	182
18	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, 6234-6239.	3.3	168

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19	Tissue inhibitor of metalloproteinases (TIMP) α 1 creates a premetastatic niche in the liver through SDF α 1/CXCR4-dependent neutrophil recruitment in mice. <i>Hepatology</i> , 2015, 61, 238-248.	3.6	165
20	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, 1399-1408.	3.1	156
21	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, 2497-2502.	3.3	156
22	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, 1807-1821.	1.9	142
23	Endoscopic treatment of clinically symptomatic leaks of thoracic esophageal anastomoses. <i>Gastrointestinal Endoscopy</i> , 2000, 51, 73-76.	0.5	125
24	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, 3965-3980.	3.9	124
25	The lysosomal cysteine protease cathepsin L regulates keratinocyte proliferation by control of growth factor recycling. <i>Journal of Cell Science</i> , 2005, 118, 3387-3395.	1.2	111
26	Cathepsin L Inactivates Human Trypsinogen, Whereas Cathepsin L-Deletion Reduces the Severity of Pancreatitis in Mice. <i>Gastroenterology</i> , 2010, 138, 726-737.	0.6	110
27	Mutations in LRPAP1 Are Associated with Severe Myopia in Humans. <i>American Journal of Human Genetics</i> , 2013, 93, 313-320.	2.6	104
28	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. <i>Journal of Biological Chemistry</i> , 2006, 281, 15893-15899.	1.6	99
29	Genetic cathepsin B deficiency reduces β -amyloid in transgenic mice expressing human wild-type amyloid precursor protein. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 284-288.	1.0	97
30	Mitophagy in Intestinal Epithelial Cells Triggers Adaptive Immunity during Tumorigenesis. <i>Cell</i> , 2018, 174, 88-101.e16.	13.5	93
31	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, 2134-2150.	2.7	92
32	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, 205-210.	1.7	86
33	<i>CTSH</i> regulates β -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, 10305-10310.	3.3	81
34	Neutrophil and Alveolar Macrophage-Mediated Innate Immune Control of <i>Legionella pneumophila</i> Lung Infection via TNF and ROS. <i>PLoS Pathogens</i> , 2016, 12, e1005591.	2.1	77
35	Towards Specific Functions of Lysosomal Cysteine Peptidases: Phenotypes of Mice Deficient for Cathepsin β or Cathepsin L. <i>Biological Chemistry</i> , 2001, 382, 735-742.	1.2	74
36	Lysosomal, cytoskeletal, and metabolic alterations in cardiomyopathy of cathepsin L knockout mice. <i>FASEB Journal</i> , 2006, 20, 1266-1268.	0.2	74

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37	Specific functions of lysosomal proteases in endocytic and autophagic pathways. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 34-43.	1.1	74
38	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , 2013, 27, 2086-2098.	2.7	74
39	Nitric oxide produced in rat liver mitochondria causes oxidative stress and impairment of respiration after transient hypoxia. <i>FASEB Journal</i> , 2003, 17, 2194-2201.	0.2	73
40	Impaired turnover of autophagolysosomes in cathepsin L deficiency. <i>Biological Chemistry</i> , 2010, 391, 913-22.	1.2	72
41	Cathepsin L Activity Is Essential to Elastase Perfusion-Induced Abdominal Aortic Aneurysms in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2500-2508.	1.1	71
42	Comparison of protein oxidation and aldehyde formation during oxidative stress in isolated mitochondria. <i>Free Radical Research</i> , 1998, 29, 297-305.	1.5	70
43	Major Role of Cathepsin L for Producing the Peptide Hormones ACTH, $\hat{1}^2$ -Endorphin, and $\hat{1}\pm$ -MSH, Illustrated by Protease Gene Knockout and Expression. <i>Journal of Biological Chemistry</i> , 2008, 283, 35652-35659.	1.6	69
44	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.	1.2	68
45	Asparagine endopeptidase is required for normal kidney physiology and homeostasis. <i>FASEB Journal</i> , 2011, 25, 1606-1617.	0.2	68
46	Cathepsin B promotes the progression of pancreatic ductal adenocarcinoma in mice. <i>Gut</i> , 2012, 61, 877-884.	6.1	68
47	Lysosomal processing of progranulin. <i>Molecular Neurodegeneration</i> , 2017, 12, 62.	4.4	67
48	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.	1.4	65
49	Inherited diseases caused by mutations in cathepsin protease genes. <i>FEBS Journal</i> , 2017, 284, 1437-1454.	2.2	65
50	Occurrence of Oxidatively Modified Proteins. <i>Free Radical Biology and Medicine</i> , 1998, 24, 393-400.	1.3	64
51	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.	1.2	64
52	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.	3.1	63
53	Cathepsin H Is an Additional Convertase of Pro-granzyme B. <i>Journal of Biological Chemistry</i> , 2010, 285, 20514-20519.	1.6	62
54	Cathepsin B & L Are Not Required for Ebola Virus Replication. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1923.	1.3	60

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55	Lysosome-Dependent Activation of Human Dendritic Cells by the Vaccine Adjuvant QS-21. <i>Frontiers in Immunology</i> , 2016, 7, 663.	2.2	60
56	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.	1.2	59
57	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, 3736-3745.	1.5	58
58	Emerging Roles of Cysteine Cathepsins in Disease and their Potential as Drug Targets. <i>Current Pharmaceutical Design</i> , 2007, 13, 385-401.	0.9	56
59	Cathepsin L is crucial for the development of early experimental diabetic nephropathy. <i>Kidney International</i> , 2016, 90, 1012-1022.	2.6	55
60	Cell Type-specific Functions of the Lysosomal Protease Cathepsin L in the Heart. <i>Journal of Biological Chemistry</i> , 2007, 282, 37045-37052.	1.6	52
61	Lysosomal protease deficiency or substrate overload induces an oxidative-stress mediated STAT3-dependent pathway of lysosomal homeostasis. <i>Nature Communications</i> , 2018, 9, 5343.	5.8	52
62	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, 7932-7942.	0.4	51
63	Spatially and temporally defined lysosomal leakage facilitates mitotic chromosome segregation. <i>Nature Communications</i> , 2020, 11, 229.	5.8	51
64	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, 384-391.	2.1	50
65	Human cathepsin L rescues the neurodegeneration and lethality in cathepsin B/L double-deficient mice. <i>Biological Chemistry</i> , 2006, 387, 885-891.	1.2	49
66	Cathepsins D and L reduce the toxicity of advanced glycation end products. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1011-1023.	1.3	49
67	Single-nephron proteomes connect morphology and function in proteinuric kidney disease. <i>Kidney International</i> , 2018, 93, 1308-1319.	2.6	49
68	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 1997, 174, 199-205.	1.4	48
69	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, 775-780.	1.6	48
70	Profiling Trait Anxiety: Transcriptome Analysis Reveals Cathepsin B (<i>Ctsb</i>) as a Novel Candidate Gene for Emotionality in Mice. <i>PLoS ONE</i> , 2011, 6, e23604.	1.1	48
71	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.	1.6	47
72	Distinct Protease Requirements for Antigen Presentation In Vitro and In Vivo. <i>Journal of Immunology</i> , 2010, 184, 2423-2431.	0.4	46

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73	Cathepsin D is one of the major enzymes involved in intracellular degradation of AGE-modified proteins. <i>Free Radical Research</i> , 2010, 44, 1013-1026.	1.5	45
74	Human and mouse perforin are processed in part through cleavage by the lysosomal cysteine proteinase cathepsin L. <i>Immunology</i> , 2010, 131, 257-267.	2.0	44
75	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, 162-175.	0.2	44
76	Toward Computer-Based Cleavage Site Prediction of Cysteine Endopeptidases. <i>Biological Chemistry</i> , 2003, 384, 899-909.	1.2	42
77	Gene Targeting of the Cysteine Peptidase Cathepsin H Impairs Lung Surfactant in Mice. <i>PLoS ONE</i> , 2011, 6, e26247.	1.1	41
78	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.	1.6	41
79	Proteasome-Dependent Turnover of Protein Disulfide Isomerase in Oxidatively Stressed Cells. <i>Archives of Biochemistry and Biophysics</i> , 2002, 397, 407-413.	1.4	40
80	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.	1.6	40
81	Ezrin turnover and cell shape changes catalyzed by proteasome in oxidatively stressed cells. <i>FASEB Journal</i> , 2002, 16, 1602-1610.	0.2	38
82	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, 1067-1074.	1.2	38
83	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, 1228-1241.	1.5	38
84	A role for cathepsin E in the processing of mast-cell carboxypeptidase A. <i>Journal of Cell Science</i> , 2005, 118, 2035-2042.	1.2	37
85	The cystatin M/cathepsin L balance is essential for tissue homeostasis in epidermis, hair follicles, and cornea. <i>FASEB Journal</i> , 2010, 24, 3744-3755.	0.2	37
86	Cathepsin D deficiency in mammary epithelium transiently stalls breast cancer by interference with mTORC1 signaling. <i>Nature Communications</i> , 2020, 11, 5133.	5.8	37
87	Deletion of Cysteine Cathepsins B or L Yields Differential Impacts on Murine Skin Proteome and Degradome. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 611-625.	2.5	36
88	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, 1882-1891.	1.2	35
89	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
90	Asparaginyl Endopeptidase (Legumain) Supports Human Th1 Induction via Cathepsin L-Mediated Intracellular C3 Activation. <i>Frontiers in Immunology</i> , 2018, 9, 2449.	2.2	34

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91	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.	1.4	33
92	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.	1.0	33
93	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.	2.4	33
94	The Measurement of Protein Degradation in Response to Oxidative Stress. , 2000, 99, 49-60.		32
95	Proteolytic cleavage of the disease-related lysosomal membrane glycoprotein CLN7. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1617-1628.	1.8	32
96	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, 28084-28103.	0.8	32
97	Cathepsin B in Antigen-Presenting Cells Controls Mediators of the Th1 Immune Response during <i>Leishmania major</i> Infection. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3194.	1.3	31
98	Unconventional Trafficking of Mammalian Phospholipase D3 to Lysosomes. <i>Cell Reports</i> , 2018, 22, 1040-1053.	2.9	31
99	Cathepsin X-deficient Gastric Epithelial Cells in Co-culture with Macrophages. <i>Journal of Biological Chemistry</i> , 2010, 285, 33691-33700.	1.6	29
100	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, 1674-1680.	1.3	29
101	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, 113-128.	1.7	29
102	Cathepsin B Gene Knockout Improves Behavioral Deficits and Reduces Pathology in Models of Neurologic Disorders. <i>Pharmacological Reviews</i> , 2022, 74, 600-629.	7.1	29
103	Contribution of cathepsin L to secretome composition and cleavage pattern of mouse embryonic fibroblasts. <i>Biological Chemistry</i> , 2011, 392, 961-971.	1.2	28
104	Lysosomal protein turnover contributes to the acquisition of TGF β -1 induced invasive properties of mammary cancer cells. <i>Molecular Cancer</i> , 2015, 14, 39.	7.9	28
105	The role of proteases in epithelial-to-mesenchymal cell transitions in cancer. <i>Cancer and Metastasis Reviews</i> , 2019, 38, 431-444.	2.7	28
106	LIMP-2 Links Late Phagosomal Trafficking with the Onset of the Innate Immune Response to <i>Listeria monocytogenes</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 3332-3341.	1.6	27
107	Human Cathepsin V Protease Participates in Production of Enkephalin and NPY Neuropeptide Neurotransmitters. <i>Journal of Biological Chemistry</i> , 2012, 287, 15232-15241.	1.6	27
108	Impact of cathepsin B on the interstitial fluid proteome of murine breast cancers. <i>Biochimie</i> , 2016, 122, 88-98.	1.3	27

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109	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.	4.6	27
110	Oxidative Stress Affects Pancreatic Proteins during the Early Pathogenesis of Rat Caerulein Pancreatitis. <i>Digestion</i> , 1999, 60, 56-62.	1.2	25
111	Combinatorial Omics Analysis Reveals Perturbed Lysosomal Homeostasis in Collagen VII-deficient Keratinocytes. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 565-579.	2.5	25
112	Cardiac and Ocular Pathologies in a Mouse Model of Mucopolysaccharidosis Type VI. <i>Pediatric Research</i> , 2003, 54, 701-708.	1.1	24
113	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, 481-492.	1.2	24
114	Decreased arthritis severity in cathepsin L-deficient mice is attributed to an impaired T helper cell compartment. <i>Inflammation Research</i> , 2012, 61, 1021-1029.	1.6	24
115	Cathepsin H functions as an aminopeptidase in secretory vesicles for production of enkephalin and galanin peptide neurotransmitters. <i>Journal of Neurochemistry</i> , 2012, 122, 512-522.	2.1	24
116	MMP14 empowers tumor-initiating breast cancer cells under hypoxic nutrient-depleted conditions. <i>FASEB Journal</i> , 2019, 33, 4124-4140.	0.2	24
117	Cellular senescence induced by cathepsin X downregulation. <i>European Journal of Cell Biology</i> , 2011, 90, 678-686.	1.6	22
118	Stress-resistant Translation of Cathepsin L mRNA in Breast Cancer Progression. <i>Journal of Biological Chemistry</i> , 2015, 290, 15758-15769.	1.6	21
119	Molecular Characterization of Arylsulfatase G. <i>Journal of Biological Chemistry</i> , 2014, 289, 27992-28005.	1.6	20
120	Neuroectoderm-specific deletion of cathepsin D in mice models human inherited neuronal ceroid lipofuscinosis type 10. <i>Biochimie</i> , 2016, 122, 219-226.	1.3	19
121	BRAFV600E 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.	2.6	19
122	Out-of-frame start codons prevent translation of truncated nucleo-cytosolic cathepsin L in vivo. <i>Nature Communications</i> , 2014, 5, 4931.	5.8	18
123	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.	2.8	17
124	Intracellular cathepsin C levels determine sensitivity of cells to leucyl-leucine methyl ester-triggered apoptosis. <i>FEBS Journal</i> , 2020, 287, 5148-5166.	2.2	17
125	Evaluation of UVA-Mediated Oxidative Damage to Proteins and Lipids in Extracorporeal Photoimmunotherapy. <i>Photochemistry and Photobiology</i> , 1999, 69, 566-570.	1.3	16
126	Cysteine-type cathepsins promote the effector phase of acute cutaneous delayed-type hypersensitivity reactions. <i>Theranostics</i> , 2019, 9, 3903-3917.	4.6	16

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127	Cysteine cathepsins are not involved in Fas/CD95 signalling in primary skin fibroblasts. FEBS Letters, 2007, 581, 5185-5190.	1.3	15
128	Unimpeded skin carcinogenesis in K14 α -HPV16 transgenic mice deficient for plasminogen activator inhibitor. International Journal of Cancer, 2011, 128, 283-293.	2.3	15
129	Differential regulation of progranulin derived granulin peptides. Molecular Neurodegeneration, 2022, 17, 15.	4.4	15
130	Allergic Airway Inflammation in Mice Deficient for the Antigen-Processing Protease Cathepsin E. International Archives of Allergy and Immunology, 2012, 159, 367-383.	0.9	14
131	Role of endogenous and exogenous antioxidants in the defence against functional damage and lipid peroxidation in rat liver mitochondria. , 1997, , 199-205.		14
132	Cathepsin G in Experimental Tuberculosis: Relevance for Antibacterial Protection and Potential for Immunotherapy. Journal of Immunology, 2015, 195, 3325-3333.	0.4	13
133	Early trypsin activation develops independently of autophagy in caerulein-induced pancreatitis in mice. Cellular and Molecular Life Sciences, 2020, 77, 1811-1825.	2.4	13
134	On the road to inflammation: Linking lysosome disruption, lysosomal protease release and necrotic death of immune cells. Cell Cycle, 2013, 12, 1994-1994.	1.3	12
135	Induction of Premalignant Host Responses by Cathepsin X/Z-Deficiency in Helicobacter Pylori-Infected Mice. PLoS ONE, 2013, 8, e70242.	1.1	12
136	Differential oxidative injury in extrapancreatic tissues during experimental pancreatitis: modification of lung proteins by 4-hydroxynonenal. Digestive Diseases and Sciences, 2001, 46, 932-937.	1.1	11
137	Reduced Neutrophil Sequestration in Lung Tissue after Laparoscopic Lavage in a Rat Peritonitis Model. World Journal of Surgery, 2002, 26, 49-53.	0.8	11
138	Discordance in cathepsin B and cystatin C expressions in bronchoalveolar fluids between murine bleomycin-induced fibrosis and human idiopathic fibrosis. Respiratory Research, 2016, 17, 118.	1.4	11
139	Neuronal-specific microexon splicing of <i>TAF1</i> mRNA is directly regulated by SRRM4/nSR100. RNA Biology, 2020, 17, 62-74.	1.5	11
140	Tumor cell- and microenvironment-specific roles of cysteine cathepsins in mouse models of human cancers. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140423.	1.1	11
141	Differentially expressed genes in hippocampal cell cultures in response to an excitotoxic insult by quinolinic acid. Molecular Brain Research, 1998, 60, 296-300.	2.5	10
142	Low doses of cholera toxin and its mediator cAMP induce CTLA-2 secretion by dendritic cells to enhance regulatory T cell conversion. PLoS ONE, 2017, 12, e0178114.	1.1	10
143	Proteomic analysis of lung metastases in a murine breast cancer model reveals divergent influence of CTSB and CTSB overexpression. Journal of Cancer, 2017, 8, 4065-4074.	1.2	10
144	B-Raf deficiency impairs tumor initiation and progression in a murine breast cancer model. Oncogene, 2019, 38, 1324-1339.	2.6	10

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145	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, 1201-1219.	1.2	9
146	Proteolysis-a characteristic of tumor-initiating cells in murine metastatic breast cancer. <i>Oncotarget</i> , 2016, 7, 58244-58260.	0.8	9
147	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.	2.1	9
148	Cathepsin E Deficiency Ameliorates Graft-versus-Host Disease and Modifies Dendritic Cell Motility. <i>Frontiers in Immunology</i> , 2017, 8, 203.	2.2	9
149	Murine and human cathepsin B exhibit similar properties: possible implications for drug discovery. <i>Biological Chemistry</i> , 2009, 390, 175-179.	1.2	8
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