

Josef Martin Penninger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6316759/publications.pdf>

Version: 2024-02-01

622
papers

118,524
citations

154

156
h-index

157

324
g-index

670
all docs

670
docs citations

670
times ranked

118620
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	11.2	4,036
3	Cerebral organoids model human brain development and microcephaly. <i>Nature</i> , 2013, 501, 373-379.	27.8	3,889
4	Molecular characterization of mitochondrial apoptosis-inducing factor. <i>Nature</i> , 1999, 397, 441-446.	27.8	3,697
5	OPGL is a key regulator of osteoclastogenesis, lymphocyte development and lymph-node organogenesis. <i>Nature</i> , 1999, 397, 315-323.	27.8	3,093
6	A crucial role of angiotensin converting enzyme 2 (ACE2) in SARS coronavirus-induced lung injury. <i>Nature Medicine</i> , 2005, 11, 875-879.	30.7	2,986
7	Lymphoproliferative Disorders with Early Lethality in Mice Deficient in <i>Ctla-4</i> . <i>Science</i> , 1995, 270, 985-988.	12.6	2,587
8	Negative Regulation of PKB/Akt-Dependent Cell Survival by the Tumor Suppressor PTEN. <i>Cell</i> , 1998, 95, 29-39.	28.9	2,269
9	Angiotensin-converting enzyme 2 protects from severe acute lung failure. <i>Nature</i> , 2005, 436, 112-116.	27.8	2,264
10	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. <i>Intensive Care Medicine</i> , 2020, 46, 586-590.	8.2	2,071
11	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. <i>Cell</i> , 2020, 181, 905-913.e7.	28.9	1,827
12	Activated T cells regulate bone loss and joint destruction in adjuvant arthritis through osteoprotegerin ligand. <i>Nature</i> , 1999, 402, 304-309.	27.8	1,809
13	Evidence for osteocyte regulation of bone homeostasis through RANKL expression. <i>Nature Medicine</i> , 2011, 17, 1231-1234.	30.7	1,593
14	Angiotensin-converting enzyme 2 is an essential regulator of heart function. <i>Nature</i> , 2002, 417, 822-828.	27.8	1,586
15	Mitogen-activated protein kinases in apoptosis regulation. <i>Oncogene</i> , 2004, 23, 2838-2849.	5.9	1,361
16	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017, 36, 1811-1836.	7.8	1,230
17	Differential Requirement for Caspase 9 in Apoptotic Pathways In Vivo. <i>Cell</i> , 1998, 94, 339-352.	28.9	1,224
18	Essential role of the mitochondrial apoptosis-inducing factor in programmed cell death. <i>Nature</i> , 2001, 410, 549-554.	27.8	1,212

#	ARTICLE	IF	CITATIONS
19	Identification of Oxidative Stress and Toll-like Receptor 4 Signaling as a Key Pathway of Acute Lung Injury. <i>Cell</i> , 2008, 133, 235-249.	28.9	1,164
20	TRAF6 deficiency results in osteopetrosis and defective interleukin-1, CD40, and LPS signaling. <i>Genes and Development</i> , 1999, 13, 1015-1024.	5.9	1,146
21	Apaf1 Is Required for Mitochondrial Pathways of Apoptosis and Brain Development. <i>Cell</i> , 1998, 94, 739-750.	28.9	1,072
22	ACE2 links amino acid malnutrition to microbial ecology and intestinal inflammation. <i>Nature</i> , 2012, 487, 477-481.	27.8	1,035
23	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880.	7.8	1,012
24	Function of PI3K β in Thymocyte Development, T Cell Activation, and Neutrophil Migration. <i>Science</i> , 2000, 287, 1040-1046.	12.6	1,003
25	RANKL—RANK signaling in osteoclastogenesis and bone disease. <i>Trends in Molecular Medicine</i> , 2006, 12, 17-25.	6.7	970
26	Electrical signals control wound healing through phosphatidylinositol-3-OH kinase- β and PTEN. <i>Nature</i> , 2006, 442, 457-460.	27.8	880
27	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015, 22, 58-73.	11.2	811
28	Heat-shock protein 70 antagonizes apoptosis-inducing factor. <i>Nature Cell Biology</i> , 2001, 3, 839-843.	10.3	790
29	Severe impairment of interleukin-1 and Toll-like receptor signalling in mice lacking IRAK-4. <i>Nature</i> , 2002, 416, 750-754.	27.8	766
30	RANK-L and RANK: T Cells, Bone Loss, and Mammalian Evolution. <i>Annual Review of Immunology</i> , 2002, 20, 795-823.	21.8	741
31	SARS—coronavirus modulation of myocardial ACE2 expression and inflammation in patients with SARS. <i>European Journal of Clinical Investigation</i> , 2009, 39, 618-625.	3.4	732
32	Mitochondria—nuclear translocation of AIF in apoptosis and necrosis. <i>FASEB Journal</i> , 2000, 14, 729-739.	0.5	723
33	Regulation of cancer cell migration and bone metastasis by RANKL. <i>Nature</i> , 2006, 440, 692-696.	27.8	709
34	The Osteoclast Differentiation Factor Osteoprotegerin-Ligand Is Essential for Mammary Gland Development. <i>Cell</i> , 2000, 103, 41-50.	28.9	674
35	Two Distinct Pathways Leading to Nuclear Apoptosis. <i>Journal of Experimental Medicine</i> , 2000, 192, 571-580.	8.5	665
36	ICOS is essential for effective T-helper-cell responses. <i>Nature</i> , 2001, 409, 105-109.	27.8	629

#	ARTICLE	IF	CITATIONS
37	Negative regulation of lymphocyte activation and autoimmunity by the molecular adaptor Cbl-b. <i>Nature</i> , 2000, 403, 211-216.	27.8	623
38	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	7.8	615
39	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009, 16, 1093-1107.	11.2	599
40	Temporally Regulated and Tissue-Specific Gene Manipulations in the Adult and Embryonic Heart Using a Tamoxifen-Inducible Cre Protein. <i>Circulation Research</i> , 2001, 89, 20-25.	4.5	593
41	AIF deficiency compromises oxidative phosphorylation. <i>EMBO Journal</i> , 2004, 23, 4679-4689.	7.8	576
42	Regulation of Myocardial Contractility and Cell Size by Distinct PI3K-PTEN Signaling Pathways. <i>Cell</i> , 2002, 110, 737-749.	28.9	545
43	T Cell-Specific Loss of Pten Leads to Defects in Central and Peripheral Tolerance. <i>Immunity</i> , 2001, 14, 523-534.	14.3	524
44	Osteoclast differentiation factor RANKL controls development of progestin-driven mammary cancer. <i>Nature</i> , 2010, 468, 98-102.	27.8	507
45	CD45 is a JAK phosphatase and negatively regulates cytokine receptor signalling. <i>Nature</i> , 2001, 409, 349-354.	27.8	501
46	Normal B lymphocyte development but impaired T cell maturation in CD45-Exon6 protein tyrosine phosphatase-deficient mice. <i>Cell</i> , 1993, 74, 143-156.	28.9	500
47	Human blood vessel organoids as a model of diabetic vasculopathy. <i>Nature</i> , 2019, 565, 505-510.	27.8	500
48	Apoptosis inducing factor (AIF): a phylogenetically old, caspase-independent effector of cell death. <i>Cell Death and Differentiation</i> , 1999, 6, 516-524.	11.2	452
49	RANK signals from CD4 ⁺ inducer cells regulate development of Aire-expressing epithelial cells in the thymic medulla. <i>Journal of Experimental Medicine</i> , 2007, 204, 1267-1272.	8.5	434
50	The Tumor Necrosis Factor Family Receptors RANK and CD40 Cooperatively Establish the Thymic Medullary Microenvironment and Self-Tolerance. <i>Immunity</i> , 2008, 29, 423-437.	14.3	434
51	Functional human T-cell immunity and osteoprotegerin ligand control alveolar bone destruction in periodontal infection. <i>Journal of Clinical Investigation</i> , 2000, 106, R59-R67.	8.2	431
52	<i>Chlamydia</i> Infections and Heart Disease Linked Through Antigenic Mimicry. <i>Science</i> , 1999, 283, 1335-1339.	12.6	430
53	Vav is a regulator of cytoskeletal reorganization mediated by the T-cell receptor. <i>Current Biology</i> , 1998, 8, 554-563.	3.9	414
54	The role of phosphoinositide-3 kinase and PTEN in cardiovascular physiology and disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 37, 449-471.	1.9	413

#	ARTICLE	IF	CITATIONS
55	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016, 30, 147-160.	16.8	410
56	Dendritic cell-induced autoimmune heart failure requires cooperation between adaptive and innate immunity. <i>Nature Medicine</i> , 2003, 9, 1484-1490.	30.7	404
57	New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , 2011, 480, 201-208.	27.8	401
58	Trilogy of ACE2: A peptidase in the renin-angiotensin system, a SARS receptor, and a partner for amino acid transporters. , 2010, 128, 119-128.		400
59	The Lipid Mediator Protectin D1 Inhibits Influenza Virus Replication and Improves Severe Influenza. <i>Cell</i> , 2013, 153, 112-125.	28.9	399
60	The E3 ligase Cbl-b and TAM receptors regulate cancer metastasis via natural killer cells. <i>Nature</i> , 2014, 507, 508-512.	27.8	394
61	Angiotensin-Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis, and Cardiac Dysfunction. <i>Circulation</i> , 2010, 122, 717-728.	1.6	383
62	Targeted Deletion of AIF Decreases Mitochondrial Oxidative Phosphorylation and Protects from Obesity and Diabetes. <i>Cell</i> , 2007, 131, 476-491.	28.9	381
63	Identification and functional analysis of endothelial tip cell-enriched genes. <i>Blood</i> , 2010, 116, 4025-4033.	1.4	379
64	Epidermal RANKL controls regulatory T-cell numbers via activation of dendritic cells. <i>Nature Medicine</i> , 2006, 12, 1372-1379.	30.7	378
65	Coupling of bone resorption and formation by RANKL reverse signalling. <i>Nature</i> , 2018, 561, 195-200.	27.8	376
66	The Cytokine RANKL Produced by Positively Selected Thymocytes Fosters Medullary Thymic Epithelial Cells that Express Autoimmune Regulator. <i>Immunity</i> , 2008, 29, 438-450.	14.3	375
67	A dual role for autophagy in a murine model of lung cancer. <i>Nature Communications</i> , 2014, 5, 3056.	12.8	369
68	An Immunosurveillance Mechanism Controls Cancer Cell Ploidy. <i>Science</i> , 2012, 337, 1678-1684.	12.6	367
69	The lipid phosphatase SHIP2 controls insulin sensitivity. <i>Nature</i> , 2001, 409, 92-97.	27.8	355
70	RANK/RANKL: Regulators of Immune Responses and Bone Physiology. <i>Annals of the New York Academy of Sciences</i> , 2008, 1143, 123-150.	3.8	355
71	Angiotensin-converting enzyme 2 protects from lethal avian influenza A H5N1 infections. <i>Nature Communications</i> , 2014, 5, 3594.	12.8	354
72	Tissue Expression and Immunolocalization of Tumor Necrosis Factor- α in Postinfarction Dysfunctional Myocardium. <i>Circulation</i> , 1999, 99, 1492-1498.	1.6	353

#	ARTICLE	IF	CITATIONS
73	Antigen Receptor-Induced Activation and Cytoskeletal Rearrangement Are Impaired in Wiskott-Aldrich Syndrome Protein-Deficient Lymphocytes. <i>Journal of Experimental Medicine</i> , 1999, 190, 1329-1342.	8.5	346
74	NADH Oxidase Activity of Mitochondrial Apoptosis-inducing Factor. <i>Journal of Biological Chemistry</i> , 2001, 276, 16391-16398.	3.4	344
75	Angiotensin-converting enzyme 2 in lung diseases. <i>Current Opinion in Pharmacology</i> , 2006, 6, 271-276.	3.5	342
76	Human recombinant soluble ACE2 in severe COVID-19. <i>Lancet Respiratory Medicine</i> , 2020, 8, 1154-1158.	10.7	340
77	Stress-signalling kinase Sek1 protects thymocytes from apoptosis mediated by CD95 and CD3. <i>Nature</i> , 1997, 385, 350-353.	27.8	339
78	Drosophila Genome-wide Obesity Screen Reveals Hedgehog as a Determinant of Brown versus White Adipose Cell Fate. <i>Cell</i> , 2010, 140, 148-160.	28.9	336
79	Pharmacokinetics and Pharmacodynamics of Recombinant Human Angiotensin-Converting Enzyme 2 in Healthy Human Subjects. <i>Clinical Pharmacokinetics</i> , 2013, 52, 783-792.	3.5	326
80	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , 2012, 492, 369-375.	27.8	320
81	The MAGUK Family Protein CARD11 Is Essential for Lymphocyte Activation. <i>Immunity</i> , 2003, 18, 763-775.	14.3	317
82	Impaired Negative Selection of T Cells in Hodgkin's Disease Antigen CD30-Deficient Mice. <i>Cell</i> , 1996, 84, 551-562.	28.9	316
83	The Transcription Factor NF-ATc1 Regulates Lymphocyte Proliferation and Th2 Cytokine Production. <i>Immunity</i> , 1998, 8, 115-124.	14.3	314
84	Essential Role of the E3 Ubiquitin Ligase Cbl-b in T Cell Anergy Induction. <i>Immunity</i> , 2004, 21, 167-177.	14.3	308
85	SHIP is a negative regulator of growth factor receptor-mediated PKB/Akt activation and myeloid cell survival. <i>Genes and Development</i> , 1999, 13, 786-791.	5.9	306
86	The adaptor protein CARD9 is essential for the activation of myeloid cells through ITAM-associated and Toll-like receptors. <i>Nature Immunology</i> , 2007, 8, 619-629.	14.5	300
87	Silencing Nociceptor Neurons Reduces Allergic Airway Inflammation. <i>Neuron</i> , 2015, 87, 341-354.	8.1	299
88	Involvement of the IRF-1 transcription factor in antiviral responses to interferons. <i>Science</i> , 1994, 264, 1921-1924.	12.6	292
89	The discovery of angiotensin-converting enzyme 2 and its role in acute lung injury in mice. <i>Experimental Physiology</i> , 2008, 93, 543-548.	2.0	284
90	Identifying the MAGUK Protein Carma-1 as a Central Regulator of Humoral Immune Responses and Atopy by Genome-Wide Mouse Mutagenesis. <i>Immunity</i> , 2003, 18, 751-762.	14.3	283

#	ARTICLE	IF	CITATIONS
91	A Genome-wide Drosophila Screen for Heat Nociception Identifies $\hat{1}\pm\hat{2}\hat{3}$ as an Evolutionarily Conserved Pain Gene. <i>Cell</i> , 2010, 143, 628-638.	28.9	283
92	Positive Regulation of T Cell Activation and Integrin Adhesion by the Adapter Fyb/Slap. <i>Science</i> , 2001, 293, 2260-2263.	12.6	278
93	LGR4 is a receptor for RANKL and negatively regulates osteoclast differentiation and bone resorption. <i>Nature Medicine</i> , 2016, 22, 539-546.	30.7	278
94	Control of cell polarity and motility by the PtdIns(3,4,5)P3 phosphatase SHIP1. <i>Nature Cell Biology</i> , 2007, 9, 36-44.	10.3	277
95	Genome-Wide RNAi Screen Identifies Genes Involved in Intestinal Pathogenic Bacterial Infection. <i>Science</i> , 2009, 325, 340-343.	12.6	277
96	DREAM Is a Critical Transcriptional Repressor for Pain Modulation. <i>Cell</i> , 2002, 108, 31-43.	28.9	274
97	Targeting the Degradation of Angiotensin II With Recombinant Angiotensin-Converting Enzyme 2. <i>Hypertension</i> , 2010, 55, 90-98.	2.7	273
98	Functional Recovery of a Human Neonatal Heart After Severe Myocardial Infarction. <i>Circulation Research</i> , 2016, 118, 216-221.	4.5	272
99	Angiotensin converting enzyme-2 confers endothelial protection and attenuates atherosclerosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1377-H1384.	3.2	267
100	Regulation of T cell activation, anxiety, and male aggression by RGS2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12272-12277.	7.1	264
101	CD45: new jobs for an old acquaintance. <i>Nature Immunology</i> , 2001, 2, 389-396.	14.5	264
102	Human Recombinant ACE2 Reduces the Progression of Diabetic Nephropathy. <i>Diabetes</i> , 2010, 59, 529-538.	0.6	264
103	Impaired Heart Contractility in Apelin Gene-Deficient Mice Associated With Aging and Pressure Overload. <i>Circulation Research</i> , 2007, 101, e32-42.	4.5	260
104	AIF and cyclophilin A cooperate in apoptosis-associated chromatinolysis. <i>Oncogene</i> , 2004, 23, 1514-1521.	5.9	254
105	Hypertension and prolonged vasoconstrictor signaling in RGS2-deficient mice. <i>Journal of Clinical Investigation</i> , 2003, 111, 445-452.	8.2	254
106	Angiotensin-converting enzyme 2 (ACE2) mediates influenza H7N9 virus-induced acute lung injury. <i>Scientific Reports</i> , 2014, 4, 7027.	3.3	249
107	Paul Ehrlich (1854-1915) and His Contributions to the Foundation and Birth of Translational Medicine. <i>Journal of Innate Immunity</i> , 2016, 8, 111-120.	3.8	249
108	CXCL10-CXCR3 Enhances the Development of Neutrophil-mediated Fulminant Lung Injury of Viral and Nonviral Origin. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 65-77.	5.6	248

#	ARTICLE	IF	CITATIONS
109	The histone chaperone CAF-1 safeguards somatic cell identity. <i>Nature</i> , 2015, 528, 218-224.	27.8	244
110	T-bet negatively regulates autoimmune myocarditis by suppressing local production of interleukin 17. <i>Journal of Experimental Medicine</i> , 2006, 203, 2009-2019.	8.5	241
111	Angiotensin-Converting Enzyme II in the Heart and the Kidney. <i>Circulation Research</i> , 2006, 98, 463-471.	4.5	239
112	Tissue-Specific Amino Acid Transporter Partners ACE2 and Collectrin Differentially Interact With Hartnup Mutations. <i>Gastroenterology</i> , 2009, 136, 872-882.e3.	1.3	239
113	Hedgehog Partial Agonism Drives Warburg-like Metabolism in Muscle and Brown Fat. <i>Cell</i> , 2012, 151, 414-426.	28.9	237
114	Loss of Angiotensin-Converting Enzyme-2 (Ace2) Accelerates Diabetic Kidney Injury. <i>American Journal of Pathology</i> , 2007, 171, 438-451.	3.8	235
115	The Role of ACE2 in Cardiovascular Physiology. <i>Trends in Cardiovascular Medicine</i> , 2003, 13, 93-101.	4.9	232
116	CLP1 links tRNA metabolism to progressive motor-neuron loss. <i>Nature</i> , 2013, 495, 474-480.	27.8	231
117	Dominant cell death induction by extramitochondrially targeted apoptosis-inducing factor. <i>FASEB Journal</i> , 2001, 15, 758-767.	0.5	226
118	Immunity by ubiquitylation: a reversible process of modification. <i>Nature Reviews Immunology</i> , 2005, 5, 941-952.	22.7	224
119	Monoglyceride Lipase Deficiency in Mice Impairs Lipolysis and Attenuates Diet-induced Insulin Resistance. <i>Journal of Biological Chemistry</i> , 2011, 286, 17467-17477.	3.4	224
120	No death without life: vital functions of apoptotic effectors. <i>Cell Death and Differentiation</i> , 2008, 15, 1113-1123.	11.2	221
121	Dysregulation in Akt/mTOR/HIF-1 signaling identified by proteo-transcriptomics of SARS-CoV-2 infected cells. <i>Emerging Microbes and Infections</i> , 2020, 9, 1748-1760.	6.5	221
122	Cardiac regulation by phosphoinositide 3-kinases and PTEN. <i>Cardiovascular Research</i> , 2008, 82, 250-260.	3.8	218
123	Apoptosis Control in Syncytia Induced by the HIV Type 1 Envelope Glycoprotein Complex. <i>Journal of Experimental Medicine</i> , 2000, 192, 1081-1092.	8.5	217
124	Cutting Edge: Differential Roles for Phosphoinositide 3-Kinases, p110 β and p110 δ , in Lymphocyte Chemotaxis and Homing. <i>Journal of Immunology</i> , 2004, 173, 2236-2240.	0.8	217
125	Distribution of Angiotensin-(1-7) and ACE2 in Human Placentas of Normal and Pathological Pregnancies. <i>Placenta</i> , 2006, 27, 200-207.	1.5	217
126	Angiotensin II-mediated oxidative stress and inflammation mediate the age-dependent cardiomyopathy in ACE2 null mice. <i>Cardiovascular Research</i> , 2007, 75, 29-39.	3.8	215

#	ARTICLE	IF	CITATIONS
127	Loss of Angiotensin-Converting Enzyme-2 Leads to the Late Development of Angiotensin II-Dependent Glomerulosclerosis. <i>American Journal of Pathology</i> , 2006, 168, 1808-1820.	3.8	214
128	Complete cardiac regeneration in a mouse model of myocardial infarction. <i>Aging</i> , 2012, 4, 966-977.	3.1	214
129	Central control of fever and female body temperature by RANKL/RANK. <i>Nature</i> , 2009, 462, 505-509.	27.8	212
130	Blockade of receptor activator of nuclear factor- κ B (RANKL) signaling improves hepatic insulin resistance and prevents development of diabetes mellitus. <i>Nature Medicine</i> , 2013, 19, 358-363.	30.7	211
131	Decreased glomerular and tubular expression of ACE2 in patients with type 2 diabetes and kidney disease. <i>Kidney International</i> , 2008, 74, 1610-1616.	5.2	209
132	Muscle-Specific Loss of Apoptosis-Inducing Factor Leads to Mitochondrial Dysfunction, Skeletal Muscle Atrophy, and Dilated Cardiomyopathy. <i>Molecular and Cellular Biology</i> , 2005, 25, 10261-10272.	2.3	208
133	Essential role for collectrin in renal amino acid transport. <i>Nature</i> , 2006, 444, 1088-1091.	27.8	208
134	Forward and Reverse Genetics through Derivation of Haploid Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2011, 9, 563-574.	11.1	208
135	The Actin Cytoskeleton and Lymphocyte Activation. <i>Cell</i> , 1999, 96, 9-12.	28.9	205
136	Cbl-b Is a Negative Regulator of Receptor Clustering and Raft Aggregation in T Cells. <i>Immunity</i> , 2000, 13, 463-473.	14.3	205
137	The Inositol Polyphosphate 5-Phosphatase Ship Is a Crucial Negative Regulator of B Cell Antigen Receptor Signaling. <i>Journal of Experimental Medicine</i> , 1998, 188, 1333-1342.	8.5	204
138	Essential Role of Fkbp6 in Male Fertility and Homologous Chromosome Pairing in Meiosis. <i>Science</i> , 2003, 300, 1291-1295.	12.6	200
139	Prevention of Angiotensin II-Mediated Renal Oxidative Stress, Inflammation, and Fibrosis by Angiotensin-Converting Enzyme 2. <i>Hypertension</i> , 2011, 57, 314-322.	2.7	200
140	A Global In Vivo <i>Drosophila</i> RNAi Screen Identifies NOT3 as a Conserved Regulator of Heart Function. <i>Cell</i> , 2010, 141, 142-153.	28.9	199
141	Loss of Angiotensin-Converting Enzyme 2 Accelerates Maladaptive Left Ventricular Remodeling in Response to Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2009, 2, 446-455.	3.9	194
142	ACE2 - From the renin-angiotensin system to gut microbiota and malnutrition. <i>Microbes and Infection</i> , 2013, 15, 866-873.	1.9	193
143	ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. <i>Diabetes</i> , 2016, 65, 85-95.	0.6	193
144	Human CLP1 Mutations Alter tRNA Biogenesis, Affecting Both Peripheral and Central Nervous System Function. <i>Cell</i> , 2014, 157, 636-650.	28.9	189

#	ARTICLE	IF	CITATIONS
145	Neuregulin stimulation of cardiomyocyte regeneration in mice and human myocardium reveals a therapeutic window. <i>Science Translational Medicine</i> , 2015, 7, 281ra45.	12.4	189
146	Mitochondria, AIF and caspases "rivaling for cell death execution. <i>Nature Cell Biology</i> , 2003, 5, 97-99.	10.3	186
147	Susceptibility to Myocarditis Is Dependent on the Response of $\hat{I}\hat{I}^2$ T Lymphocytes to Coxsackieviral Infection. <i>Circulation Research</i> , 1999, 85, 551-558.	4.5	182
148	Involvement of Phosphoinositide 3-Kinases in Neutrophil Activation and the Development of Acute Lung Injury. <i>Journal of Immunology</i> , 2001, 167, 6601-6608.	0.8	181
149	Vav1 Controls Integrin Clustering and MHC/Peptide-Specific Cell Adhesion to Antigen-Presenting Cells. <i>Immunity</i> , 2002, 16, 331-343.	14.3	179
150	The Role of Iron Regulation in Immunometabolism and Immune-Related Disease. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 116.	3.5	178
151	JAK inhibition reduces SARS-CoV-2 liver infectivity and modulates inflammatory responses to reduce morbidity and mortality. <i>Science Advances</i> , 2021, 7, .	10.3	176
152	Dissociating the dual roles of apoptosis-inducing factor in maintaining mitochondrial structure and apoptosis. <i>EMBO Journal</i> , 2006, 25, 4061-4073.	7.8	175
153	Identification of cardiac myosin peptides capable of inducing autoimmune myocarditis in BALB/c mice.. <i>Journal of Clinical Investigation</i> , 1996, 97, 2057-2062.	8.2	175
154	The metabolite BH4 controls T cell proliferation in autoimmunity and cancer. <i>Nature</i> , 2018, 563, 564-568.	27.8	174
155	Apelin Treatment Increases Complete Fatty Acid Oxidation, Mitochondrial Oxidative Capacity, and Biogenesis in Muscle of Insulin-Resistant Mice. <i>Diabetes</i> , 2012, 61, 310-320.	0.6	173
156	Loss of Apelin Exacerbates Myocardial Infarction Adverse Remodeling and Ischemiaâ€reperfusion Injury: Therapeutic Potential of Synthetic Apelin Analogues. <i>Journal of the American Heart Association</i> , 2013, 2, e000249.	3.7	171
157	The role of endothelial PI3K \hat{I}^3 activity in neutrophil trafficking. <i>Blood</i> , 2005, 106, 150-157.	1.4	169
158	The molecular scaffold Gab2 is a crucial component of RANK signaling and osteoclastogenesis. <i>Nature Medicine</i> , 2005, 11, 394-399.	30.7	169
159	Angiotensin-Converting Enzyme 2 (ACE2) in Disease Pathogenesis. <i>Circulation Journal</i> , 2010, 74, 405-410.	1.6	167
160	The crystal structure of the mouse apoptosis-inducing factor AIF. <i>Nature Structural Biology</i> , 2002, 9, 442-446.	9.7	163
161	Multiple Functions of Angiotensin-Converting Enzyme 2 and Its Relevance in Cardiovascular Diseases. <i>Circulation Journal</i> , 2013, 77, 301-308.	1.6	162
162	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. <i>Cell</i> , 2016, 164, 353-364.	28.9	161

#	ARTICLE	IF	CITATIONS
163	High Precision Quantitative Proteomics Using iTRAQ on an LTQ Orbitrap: A New Mass Spectrometric Method Combining the Benefits of All. <i>Journal of Proteome Research</i> , 2009, 8, 4743-4752.	3.7	158
164	The tyrosine kinase p56lck is essential in coxsackievirus B3-mediated heart disease. <i>Nature Medicine</i> , 2000, 6, 429-434.	30.7	156
165	Phosphoinositide 3-Kinase Deficient Mice Are Protected From Isoproterenol-Induced Heart Failure. <i>Circulation</i> , 2003, 108, 2147-2152.	1.6	155
166	Osteoprotegerin ligand: a regulator of immune responses and bone physiology. <i>Trends in Immunology</i> , 2000, 21, 495-502.	7.5	153
167	Rank Signaling Links the Development of Invariant $\gamma\delta$ T Cell Progenitors and Aire+ Medullary Epithelium. <i>Immunity</i> , 2012, 36, 427-437.	14.3	152
168	ALF: Not Just an Apoptosis-Inducing Factor. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 2-11.	3.8	151
169	X Protein of Hepatitis B Virus Inhibits Fas-mediated Apoptosis and Is Associated with Up-regulation of the SAPK/JNK Pathway. <i>Journal of Biological Chemistry</i> , 2001, 276, 8328-8340.	3.4	149
170	Ferritinophagy and ferroptosis in the management of metabolic diseases. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 444-462.	7.1	148
171	Activation of Dendritic Cells through the Interleukin 1 Receptor 1 Is Critical for the Induction of Autoimmune Myocarditis. <i>Journal of Experimental Medicine</i> , 2003, 197, 323-331.	8.5	145
172	Identification of cell cycle-arrested quiescent osteoclast precursors in vivo. <i>Journal of Cell Biology</i> , 2009, 184, 541-554.	5.2	144
173	Apelin is a positive regulator of ACE2 in failing hearts. <i>Journal of Clinical Investigation</i> , 2013, 123, 5203-5211.	8.2	143
174	TrpA1 Regulates Thermal Nociception in <i>Drosophila</i> . <i>PLoS ONE</i> , 2011, 6, e24343.	2.5	140
175	TCR affinity and negative regulation limit autoimmunity. <i>Nature Medicine</i> , 2004, 10, 1234-1239.	30.7	138
176	Spinophilin regulates Ca ²⁺ signalling by binding the N-terminal domain of RGS2 and the third intracellular loop of G-protein-coupled receptors. <i>Nature Cell Biology</i> , 2005, 7, 405-411.	10.3	138
177	Preferential Signaling and Induction of Allergy-promoting Lymphokines Upon Weak Stimulation of the High Affinity IgE Receptor on Mast Cells. <i>Journal of Experimental Medicine</i> , 2003, 197, 1453-1465.	8.5	137
178	Angiotensin II plasma levels are linked to disease severity and predict fatal outcomes in H7N9-infected patients. <i>Nature Communications</i> , 2014, 5, 3595.	12.8	137
179	Evolution of the mammary gland from the innate immune system?. <i>BioEssays</i> , 2006, 28, 606-616.	2.5	136
180	Generation of blood vessel organoids from human pluripotent stem cells. <i>Nature Protocols</i> , 2019, 14, 3082-3100.	12.0	136

#	ARTICLE	IF	CITATIONS
181	MKK7 couples stress signalling to G2/M cell-cycle progression and cellular senescence. <i>Nature Cell Biology</i> , 2004, 6, 215-226.	10.3	134
182	Osteoclasts are dispensable for hematopoietic stem cell maintenance and mobilization. <i>Journal of Experimental Medicine</i> , 2011, 208, 2175-2181.	8.5	134
183	Spontaneous tumor rejection by cbl-bâ€“deficient CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2007, 204, 879-891.	8.5	133
184	Immune Interactions with CD4+ T Cells Promote the Development of Functional Osteoclasts from Murine CD11c+ Dendritic Cells. <i>Journal of Immunology</i> , 2006, 177, 3314-3326.	0.8	131
185	The E3 ligase HACE1 is a critical chromosome 6q21 tumor suppressor involved in multiple cancers. <i>Nature Medicine</i> , 2007, 13, 1060-1069.	30.7	130
186	Enhanced Renal Immunocytochemical Expression of ANG-(1-7) and ACE2 During Pregnancy. <i>Hypertension</i> , 2003, 42, 749-753.	2.7	128
187	Osteoprotegerin and Denosumab Stimulate Human Beta Cell Proliferation through Inhibition of the Receptor Activator of NF-Î³B Ligand Pathway. <i>Cell Metabolism</i> , 2015, 22, 77-85.	16.2	128
188	RANKL/RANK control Brca1 mutation-driven mammary tumors. <i>Cell Research</i> , 2016, 26, 761-774.	12.0	128
189	The RANKL-RANK Story. <i>Gerontology</i> , 2015, 61, 534-542.	2.8	127
190	Impaired CD28-mediated Interleukin 2 Production and Proliferation in Stress Kinase SAPK/ERK1 Kinase (SEK1)/Mitogen-activated Protein Kinase Kinase 4 (MKK4)-deficient T Lymphocytes. <i>Journal of Experimental Medicine</i> , 1997, 186, 941-953.	8.5	126
191	A Role for Fkbp6 and the Chaperone Machinery in piRNA Amplification and Transposon Silencing. <i>Molecular Cell</i> , 2012, 47, 970-979.	9.7	126
192	Genetic analysis of the mammalian cell death machinery. <i>Trends in Genetics</i> , 2002, 18, 142-149.	6.7	124
193	Angiotensin-converting enzyme 2 in acute respiratory distress syndrome. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 2006-2012.	5.4	124
194	Disruption of STAT3 signalling promotes KRAS-induced lung tumorigenesis. <i>Nature Communications</i> , 2015, 6, 6285.	12.8	124
195	Osteoprotegerin ligand: A common link between osteoclastogenesis, lymph node formation and lymphocyte development. <i>Immunology and Cell Biology</i> , 1999, 77, 188-193.	2.3	123
196	Lessons from SARS: control of acute lung failure by the SARS receptor ACE2. <i>Journal of Molecular Medicine</i> , 2006, 84, 814-820.	3.9	120
197	Mapping the mouse Allelome reveals tissue-specific regulation of allelic expression. <i>ELife</i> , 2017, 6, .	6.0	120
198	Activated T cells regulate bone loss and joint destruction in adjuvant arthritis through osteoprotegerin ligand. <i>Nature</i> , 1999, 402, 43-47.	27.8	119

#	ARTICLE	IF	CITATIONS
199	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. <i>Nature Genetics</i> , 2014, 46, 1021-1027.	21.4	119
200	Identification of subepithelial mesenchymal cells that induce IgA and diversify gut microbiota. <i>Nature Immunology</i> , 2017, 18, 675-682.	14.5	119
201	Just the Beginning: Novel Functions for Angiotensin-Converting Enzymes. <i>Current Biology</i> , 2002, 12, R745-R752.	3.9	118
202	Angiotensin-converting-enzyme 2 inhibits liver fibrosis in mice. <i>Hepatology</i> , 2009, 50, 929-938.	7.3	117
203	RANKL/RANK "beyond bones. <i>Journal of Molecular Medicine</i> , 2011, 89, 647-656.	3.9	117
204	Calcium-regulated DNA Binding and Oligomerization of the Neuronal Calcium-sensing Protein, Calsenilin/DREAM/KCHIP3. <i>Journal of Biological Chemistry</i> , 2001, 276, 41005-41013.	3.4	116
205	NF- κ B and p53 Are the Dominant Apoptosis-inducing Transcription Factors Elicited by the HIV-1 Envelope. <i>Journal of Experimental Medicine</i> , 2004, 199, 629-640.	8.5	116
206	Myeloid Differentiation Factor-88/Interleukin-1 Signaling Controls Cardiac Fibrosis and Heart Failure Progression in Inflammatory Dilated Cardiomyopathy. <i>Circulation Research</i> , 2009, 105, 912-920.	4.5	113
207	PDGFR blockade is a rational and effective therapy for NPM-ALK "driven lymphomas. <i>Nature Medicine</i> , 2012, 18, 1699-1704.	30.7	113
208	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1435-1448.	2.8	113
209	Inhibition of CBLB protects from lethal <i>Candida albicans</i> sepsis. <i>Nature Medicine</i> , 2016, 22, 915-923.	30.7	111
210	ELABELA-APJ axis protects from pressure overload heart failure and angiotensin II-induced cardiac damage. <i>Cardiovascular Research</i> , 2017, 113, 760-769.	3.8	111
211	SEK1/MKK4-Mediated SAPK/JNK Signaling Participates in Embryonic Hepatoblast Proliferation via a Pathway Different from NF- κ B-Induced Anti-Apoptosis. <i>Developmental Biology</i> , 2002, 250, 332-347.	2.0	110
212	Comparative glycoproteomics of stem cells identifies new players in ricin toxicity. <i>Nature</i> , 2017, 549, 538-542.	27.8	110
213	cbl-3: a new mammalian cbl family protein. <i>Oncogene</i> , 1999, 18, 3365-3375.	5.9	107
214	Loss of PTEN attenuates the development of pathological hypertrophy and heart failure in response to biomechanical stress. <i>Cardiovascular Research</i> , 2008, 78, 505-514.	3.8	107
215	Receptor Activator of NF- κ B Ligand Regulates the Proliferation of Mammary Epithelial Cells via Id2. <i>Molecular and Cellular Biology</i> , 2006, 26, 1002-1013.	2.3	105
216	Targeting autophagy in ischemic stroke: From molecular mechanisms to clinical therapeutics. , 2021, 225, 107848.		105

#	ARTICLE	IF	CITATIONS
217	The Interferon Regulatory Transcription Factor IRF-1 Controls Positive and Negative Selection of CD8+ Thymocytes. <i>Immunity</i> , 1997, 7, 243-254.	14.3	104
218	Leukocyte PI3K \hat{I}^3 and PI3K \hat{I} have temporally distinct roles for leukocyte recruitment in vivo. <i>Blood</i> , 2007, 110, 1191-1198.	1.4	104
219	PI3K mediated electrotaxis of embryonic and adult neural progenitor cells in the presence of growth factors. <i>Experimental Neurology</i> , 2011, 227, 210-217.	4.1	104
220	Colorectal carcinomas in mice lacking the catalytic subunit of PI(3)K \hat{I}^3 . <i>Nature</i> , 2000, 406, 897-902.	27.8	102
221	Receptor Activator of NF- \hat{I}^B Ligand and Osteoprotegerin Regulate Proinflammatory Cytokine Production in Mice. <i>Journal of Immunology</i> , 2006, 177, 3799-3805.	0.8	102
222	Dexas1 Potentiates Photic and Suppresses Nonphotic Responses of the Circadian Clock. <i>Neuron</i> , 2004, 43, 715-728.	8.1	101
223	Loss of angiotensin-converting enzyme 2 enhances TGF- \hat{I}^2 /Smad-mediated renal fibrosis and NF- \hat{I}^B -driven renal inflammation in a mouse model of obstructive nephropathy. <i>Laboratory Investigation</i> , 2012, 92, 650-661.	3.7	101
224	Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. <i>Neuron</i> , 2015, 86, 1393-1406.	8.1	101
225	Differential expression of a novel ankyrin containing E3 ubiquitin-protein ligase, Hace1, in sporadic Wilms' tumor versus normal kidney. <i>Human Molecular Genetics</i> , 2004, 13, 2061-2074.	2.9	100
226	The Cyclin-dependent Kinase Cdk2 Regulates Thymocyte Apoptosis. <i>Journal of Experimental Medicine</i> , 1999, 189, 957-968.	8.5	99
227	Telmisartan attenuates aortic hypertrophy in hypertensive rats by the modulation of ACE2 and profilin-1 expression. <i>Regulatory Peptides</i> , 2011, 166, 90-97.	1.9	99
228	Afatinib restrains K-RAS \hat{I} -driven lung tumorigenesis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	99
229	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3K \hat{I}^3 -dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C679-C692.	4.6	98
230	Impact of ACE2 Deficiency and Oxidative Stress on Cerebrovascular Function With Aging. <i>Stroke</i> , 2012, 43, 3358-3363.	2.0	98
231	Phosphorylation and ubiquitination of the \hat{I}^B kinase complex by two distinct signaling pathways. <i>EMBO Journal</i> , 2007, 26, 1794-1805.	7.8	97
232	The Role of TAM Family Receptors in Immune Cell Function: Implications for Cancer Therapy. <i>Cancers</i> , 2016, 8, 97.	3.7	97
233	Recombinant angiotensin-converting enzyme 2 improves pulmonary blood flow and oxygenation in lipopolysaccharide-induced lung injury in piglets. <i>Critical Care Medicine</i> , 2010, 38, 596-601.	0.9	96
234	The stress kinase MKK7 couples oncogenic stress to p53 stability and tumor suppression. <i>Nature Genetics</i> , 2011, 43, 212-219.	21.4	96

#	ARTICLE	IF	CITATIONS
235	Angiotensin converting enzyme 2 abrogates bleomycin-induced lung injury. <i>Journal of Molecular Medicine</i> , 2012, 90, 637-647.	3.9	96
236	The Role of Angiotensin Converting Enzyme 2 in Modulating Gut Microbiota, Intestinal Inflammation, and Coronavirus Infection. <i>Gastroenterology</i> , 2021, 160, 39-46.	1.3	95
237	Loss of Aif function causes cell death in the mouse embryo, but the temporal progression of patterning is normal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9918-9923.	7.1	94
238	p110 ^β and p110 ^γ Phosphoinositide 3-Kinase Signaling Pathways Synergize to Control Development and Functions of Murine NK Cells. <i>Immunity</i> , 2007, 27, 214-227.	14.3	94
239	Hace1 controls ROS generation of vertebrate Rac1-dependent NADPH oxidase complexes. <i>Nature Communications</i> , 2013, 4, 2180.	12.8	94
240	Essential Role of E3 Ubiquitin Ligase Activity in Cbl-b Regulated T Cell Functions. <i>Journal of Immunology</i> , 2011, 186, 2138-2147.	0.8	92
241	Lineage-committed osteoclast precursors circulate in blood and settle down into bone. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2978-2990.	2.8	92
242	Defective intestinal amino acid absorption in Ace2 null mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G686-G695.	3.4	92
243	Vav Regulates Peptide-specific Apoptosis in Thymocytes. <i>Journal of Experimental Medicine</i> , 1998, 188, 2099-2111.	8.5	91
244	Activation of Stress-activated Protein Kinases/c-Jun N-terminal Protein Kinases (SAPKs/JNKs) by a Novel Mitogen-activated Protein Kinase Kinase (MKK7). <i>Journal of Biological Chemistry</i> , 1997, 272, 32378-32383.	3.4	90
245	G(-) Anaerobes-Reactive CD4+ T-Cells Trigger RANKL-Mediated Enhanced Alveolar Bone Loss in Diabetic NOD Mice. <i>Diabetes</i> , 2005, 54, 1477-1486.	0.6	90
246	The Alarmin Cytokine, High Mobility Group Box 1, Is Produced by Viable Cardiomyocytes and Mediates the Lipopolysaccharide-Induced Myocardial Dysfunction via a TLR4/Phosphatidylinositol 3-Kinase β Pathway. <i>Journal of Immunology</i> , 2010, 184, 1492-1498.	0.8	89
247	Prkar1a is an osteosarcoma tumor suppressor that defines a molecular subclass in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 3310-3325.	8.2	89
248	Human soluble ACE2 improves the effect of remdesivir in SARS-CoV-2 infection. <i>EMBO Molecular Medicine</i> , 2021, 13, e13426.	6.9	87
249	Progesterone drives mammary secretory differentiation via RankL-mediated induction of Elf5 in luminal progenitor cells. <i>Development (Cambridge)</i> , 2013, 140, 1397-1401.	2.5	86
250	The Molecular Adapter Carma1 Controls Entry of $\text{I}\kappa\text{B}$ Kinase into the Central Immune Synapse. <i>Journal of Experimental Medicine</i> , 2004, 200, 1167-1177.	8.5	85
251	T-Cell Receptor-Induced NF- κB Activation Is Negatively Regulated by E3 Ubiquitin Ligase Cbl-b. <i>Molecular and Cellular Biology</i> , 2008, 28, 2470-2480.	2.3	85
252	HACE1 reduces oxidative stress and mutant Huntingtin toxicity by promoting the NRF2 response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3032-3037.	7.1	85

#	ARTICLE	IF	CITATIONS
253	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , 2017, 70, 1165-1175.	2.7	85
254	c-Fos plays an essential role in the up-regulation of RANK expression in osteoclast precursors within the bone microenvironment. <i>Journal of Cell Science</i> , 2012, 125, 2910-7.	2.0	84
255	Sucralose Promotes Food Intake through NPY and a Neuronal Fasting Response. <i>Cell Metabolism</i> , 2016, 24, 75-90.	16.2	84
256	KCNJ15/Kir4.2 couples with polyamines to sense weak extracellular electric fields in galvanotaxis. <i>Nature Communications</i> , 2015, 6, 8532.	12.8	83
257	Molecular control of bone remodeling and osteoporosis. <i>Experimental Gerontology</i> , 2000, 35, 947-956.	2.8	82
258	Lymphotoxin Signal Promotes Thymic Organogenesis by Eliciting RANK Expression in the Embryonic Thymic Stroma. <i>Journal of Immunology</i> , 2011, 186, 5047-5057.	0.8	81
259	Chemosensitization by a non-apoptogenic heat shock protein 70-binding apoptosis-inducing factor mutant. <i>Cancer Research</i> , 2003, 63, 8233-40.	0.9	81
260	Phosphatidylinositide 3-kinase β regulates key pathologic responses to cholecystokinin in pancreatic acinar cells. <i>Gastroenterology</i> , 2004, 126, 554-566.	1.3	79
261	Dendritic Cells at the Osteo-Immune Interface: Implications for Inflammation-Induced Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 775-780.	2.8	79
262	Enhanced ERK-1/2 activation in mice susceptible to coxsackievirus-induced myocarditis. <i>Journal of Clinical Investigation</i> , 2002, 109, 1561-1569.	8.2	79
263	The C-terminal moiety of HIV-1 Vpr induces cell death via a caspase-independent mitochondrial pathway. <i>Cell Death and Differentiation</i> , 2002, 9, 1212-1219.	11.2	78
264	MyD88 Signaling Controls Autoimmune Myocarditis Induction. <i>Circulation</i> , 2006, 113, 258-265.	1.6	78
265	RANKL and RANK as novel therapeutic targets for arthritis. <i>Current Opinion in Rheumatology</i> , 2003, 15, 280-287.	4.3	77
266	Monoclonal antibody against CXCL-10/IP-10 ameliorates influenza A (H1N1) virus induced acute lung injury. <i>Cell Research</i> , 2013, 23, 577-580.	12.0	77
267	The Hemopoietic Rho/Rac Guanine Nucleotide Exchange Factor Vav1 Regulates N-Formyl-Methionyl-Leucyl-Phenylalanine-Activated Neutrophil Functions. <i>Journal of Immunology</i> , 2003, 171, 4425-4430.	0.8	76
268	Enhanced susceptibility to biomechanical stress in ACE2 null mice is prevented by loss of the p47phox NADPH oxidase subunit. <i>Cardiovascular Research</i> , 2011, 91, 151-161.	3.8	76
269	Vav links antigen-receptor signaling to the actin cytoskeleton. <i>Seminars in Immunology</i> , 1998, 10, 317-327.	5.6	75
270	Antagonistic control of cell fates by JNK and p38-MAPK signaling. <i>Cell Death and Differentiation</i> , 2008, 15, 89-93.	11.2	75

#	ARTICLE	IF	CITATIONS
271	Novel insights into the mechanisms mediating the local antihypertrophic effects of cardiac atrial natriuretic peptide: role of cGMP-dependent protein kinase and RGS2. <i>Basic Research in Cardiology</i> , 2010, 105, 583-595.	5.9	75
272	Requirement for tyrosine kinase p56lck for thymic development of transgenic gamma delta T cells. <i>Science</i> , 1993, 260, 358-361.	12.6	74
273	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	19.0	74
274	Normal thymic selection, normal viability and decreased lymphoproliferation in T cell receptor-transgenic CTLA-4-deficient mice. <i>European Journal of Immunology</i> , 1997, 27, 1887-1892.	2.9	73
275	ACE2 Deficiency Enhances Angiotensin II-Mediated Aortic Profilin-1 Expression, Inflammation and Peroxynitrite Production. <i>PLoS ONE</i> , 2012, 7, e38502.	2.5	73
276	RANKL and RANK: From Mammalian Physiology to Cancer Treatment. <i>Trends in Cell Biology</i> , 2018, 28, 213-223.	7.9	72
277	Apelin inhibition prevents resistance and metastasis associated with anti-angiogenic therapy. <i>EMBO Molecular Medicine</i> , 2019, 11, e9266.	6.9	72
278	SH2-containing inositol 5-phosphatases 1 and 2 in blood platelets: their interactions and roles in the control of phosphatidylinositol 3,4,5-trisphosphate levels. <i>Biochemical Journal</i> , 2003, 376, 199-207.	3.7	70
279	Developmentally Regulated Availability of RANKL and CD40 Ligand Reveals Distinct Mechanisms of Fetal and Adult Cross-Talk in the Thymus Medulla. <i>Journal of Immunology</i> , 2012, 189, 5519-5526.	0.8	70
280	E3 Ubiquitin Ligase Cbl-b Regulates Pten via Nedd4 in T Cells Independently of Its Ubiquitin Ligase Activity. <i>Cell Reports</i> , 2012, 1, 472-482.	6.4	70
281	A story of two ACEs. <i>Journal of Molecular Medicine</i> , 2003, 81, 227-234.	3.9	69
282	From cell activation signals to signaling control of anti-cancer immunity. <i>Immunological Reviews</i> , 2007, 220, 151-168.	6.0	69
283	Severe Coronavirus Disease 2019 (COVID-19) is Associated With Elevated Serum Immunoglobulin (Ig) A and Antiphospholipid IgA Antibodies. <i>Clinical Infectious Diseases</i> , 2021, 73, e2869-e2874.	5.8	69
284	The induction of experimental autoimmune myocarditis in mice lacking CD4 or CD8 molecules [corrected]. <i>Journal of Experimental Medicine</i> , 1993, 178, 1837-1842.	8.5	67
285	Insulin-Like Growth Factor-1 and PTEN Deletion Enhance Cardiac L-Type Ca ²⁺ Currents via Increased PI3K/PKB Signaling. <i>Circulation Research</i> , 2006, 98, 1390-1397.	4.5	67
286	PKC- δ Modulates the Strength of T Cell Responses by Targeting Cbl-b for Ubiquitination and Degradation. <i>Science Signaling</i> , 2009, 2, ra30.	3.6	67
287	RANKL blockade prevents and treats aggressive osteosarcomas. <i>Science Translational Medicine</i> , 2015, 7, 317ra197.	12.4	67
288	Compromising the 19S proteasome complex protects cells from reduced flux through the proteasome. <i>ELife</i> , 2015, 4, .	6.0	67

#	ARTICLE	IF	CITATIONS
289	Id2-, ROR γ t-, and LT β R-independent initiation of lymphoid organogenesis in ocular immunity. <i>Journal of Experimental Medicine</i> , 2009, 206, 2351-2364.	8.5	66
290	Lack of DREAM Protein Enhances Learning and Memory and Slows Brain Aging. <i>Current Biology</i> , 2009, 19, 54-60.	3.9	66
291	Spleen serves as a reservoir of osteoclast precursors through vitamin D-induced IL-34 expression in osteopetrotic <i>op/op</i> mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10006-10011.	7.1	66
292	Identification of ALK in Thinness. <i>Cell</i> , 2020, 181, 1246-1262.e22.	28.9	66
293	Different Properties of SEK1 and MKK7 in Dual Phosphorylation of Stress-induced Activated Protein Kinase SAPK/JNK in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 16595-16601.	3.4	65
294	Stimulation of Bone Formation in Cortical Bone of Mice Treated with a Receptor Activator of Nuclear Factor- κ B Ligand (RANKL)-binding Peptide That Possesses Osteoclastogenesis Inhibitory Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 5562-5571.	3.4	65
295	Inhibition of the TNF Family Cytokine RANKL Prevents Autoimmune Inflammation in the Central Nervous System. <i>Immunity</i> , 2015, 43, 1174-1185.	14.3	65
296	The RNA helicase DDX3X is an essential mediator of innate antimicrobial immunity. <i>PLoS Pathogens</i> , 2018, 14, e1007397.	4.7	65
297	Phosphatidylinositol 3-Kinase β Is a Critical Mediator of Myocardial Ischemic and Adenosine-Mediated Preconditioning. <i>Circulation Research</i> , 2008, 103, 643-653.	4.5	64
298	The phosphoinositide-3 kinase β Akt pathway mediates renal tubular injury in cisplatin nephrotoxicity. <i>Kidney International</i> , 2008, 73, 430-445.	5.2	64
299	Stress-Activated Protein Kinase MKK7 Regulates Axon Elongation in the Developing Cerebral Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 16872-16883.	3.6	64
300	RANK Signaling Amplifies WNT-Responsive Mammary Progenitors through R-SPONDIN1. <i>Stem Cell Reports</i> , 2015, 5, 31-44.	4.8	64
301	Communication between the TCR and integrins: role of the molecular adapter ADAP/Fyb/Slap. <i>Current Opinion in Immunology</i> , 2002, 14, 317-322.	5.5	63
302	IL-1 Receptor-Associated Kinase 4 Is Essential for IL-18-Mediated NK and Th1 Cell Responses. <i>Journal of Immunology</i> , 2003, 170, 4031-4035.	0.8	62
303	Recombinant Human Angiotensin-Converting Enzyme 2 as a New Renin-Angiotensin System Peptidase for Heart Failure Therapy. <i>Current Heart Failure Reports</i> , 2011, 8, 176-183.	3.3	62
304	A synthetic peptide library for benchmarking crosslinking-mass spectrometry search engines for proteins and protein complexes. <i>Nature Communications</i> , 2020, 11, 742.	12.8	62
305	Molecular and Cellular Mechanisms of T Lymphocyte Apoptosis. <i>Advances in Immunology</i> , 1998, 68, 51-144.	2.2	61
306	Exploring the emerging complexity in transcriptional regulation of energy homeostasis. <i>Nature Reviews Genetics</i> , 2015, 16, 665-681.	16.3	61

#	ARTICLE	IF	CITATIONS
307	Impaired Synergistic Activation of Stress-activated Protein Kinase SAPK/JNK in Mouse Embryonic Stem Cells Lacking SEK1/MKK4. <i>Journal of Biological Chemistry</i> , 2001, 276, 30892-30897.	3.4	60
308	Osteoblasts Provide a Suitable Microenvironment for the Action of Receptor Activator of Nuclear Factor- κ B Ligand. <i>Endocrinology</i> , 2006, 147, 3366-3374.	2.8	60
309	Phosphatidylinositol-3-Kinase Gamma Plays a Central Role in Blood-Brain Barrier Dysfunction in Acute Experimental Stroke. <i>Stroke</i> , 2011, 42, 2033-2044.	2.0	60
310	Receptor activator of NF- κ B (RANK) stimulates the proliferation of epithelial cells of the epidermo-pilosebaceous unit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5342-5347.	7.1	60
311	Stepwise cell fate decision pathways during osteoclastogenesis at single-cell resolution. <i>Nature Metabolism</i> , 2020, 2, 1382-1390.	11.9	60
312	Low-Molecular-Weight Tumor Necrosis Factor Receptor p55 Controls Induction of Autoimmune Heart Disease. <i>Circulation</i> , 1997, 95, 655-661.	1.6	60
313	RGS14 Is a Mitotic Spindle Protein Essential from the First Division of the Mammalian Zygote. <i>Developmental Cell</i> , 2004, 7, 763-769.	7.0	59
314	PI3K β regulates cartilage damage in chronic inflammatory arthritis. <i>FASEB Journal</i> , 2009, 23, 4288-4298.	0.5	59
315	The novel lncRNA lnc-NR2F1 is pro-neurogenic and mutated in human neurodevelopmental disorders. <i>ELife</i> , 2019, 8, .	6.0	59
316	Human CD4 and human major histocompatibility complex class II (DQ6) transgenic mice: supersensitivity to superantigen-induced septic shock. <i>European Journal of Immunology</i> , 1996, 26, 1074-1082.	2.9	58
317	A reversible haploid mouse embryonic stem cell biobank resource for functional genomics. <i>Nature</i> , 2017, 550, 114-118.	27.8	58
318	AlF-regulated oxidative phosphorylation supports lung cancer development. <i>Cell Research</i> , 2019, 29, 579-591.	12.0	58
319	KNOCKOUT MICE: A PARADIGM SHIFT IN MODERN IMMUNOLOGY. <i>Nature Reviews Immunology</i> , 2001, 1, 11-19.	22.7	57
320	Mutant meiotic chromosome core components in mice can cause apparent sexual dimorphic endpoints at prophase or X-defective male-specific sterility. <i>Chromosoma</i> , 2005, 114, 92-102.	2.2	57
321	The Molecular Gatekeeper Dexas1 Sculpt the Photic Responsiveness of the Mammalian Circadian Clock. <i>Journal of Neuroscience</i> , 2006, 26, 12984-12995.	3.6	57
322	Up-regulation of Endogenous RGS2 Mediates Cross-desensitization between Gs and Gq Signaling in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2006, 281, 32684-32693.	3.4	57
323	Cell Type-Specific Regulation of ITAM-Mediated NF- κ B Activation by the Adaptors, CARMA1 and CARD9. <i>Journal of Immunology</i> , 2008, 181, 918-930.	0.8	57
324	Improved Sensitivity in Low-Input Proteomics Using Micropillar Array-Based Chromatography. <i>Analytical Chemistry</i> , 2019, 91, 14203-14207.	6.5	57

#	ARTICLE	IF	CITATIONS
325	Molecular controls of antigen receptor clustering and autoimmunity. <i>Trends in Cell Biology</i> , 2001, 11, 212-220.	7.9	56
326	The Stress Kinase Mitogen-Activated Protein Kinase Kinase (Mkk)7 Is a Negative Regulator of Antigen Receptor and Growth Factor Receptor-Induced Proliferation in Hematopoietic Cells. <i>Journal of Experimental Medicine</i> , 2001, 194, 757-768.	8.5	56
327	Distinct roles for angiotensin-converting enzyme 2 and carboxypeptidase A in the processing of angiotensins within the murine heart. <i>Experimental Physiology</i> , 2008, 93, 613-621.	2.0	56
328	Angiotensin-converting enzyme 2 antagonizes angiotensin II-induced pressor response and NADPH oxidase activation in Wistar-Kyoto rats and spontaneously hypertensive rats. <i>Experimental Physiology</i> , 2013, 98, 109-122.	2.0	56
329	E3 Ubiquitin Ligase Cbl-b Suppresses Proallergic T Cell Development and Allergic Airway Inflammation. <i>Cell Reports</i> , 2014, 6, 709-723.	6.4	56
330	CHMP5 controls bone turnover rates by dampening NF- κ B activity in osteoclasts. <i>Journal of Experimental Medicine</i> , 2015, 212, 1283-1301.	8.5	56
331	Targeting APLN/APLNR Improves Antiangiogenic Efficiency and Blunts Proinvasive Side Effects of VEGFA/VEGFR2 Blockade in Glioblastoma. <i>Cancer Research</i> , 2019, 79, 2298-2313.	0.9	56
332	Enhanced ERK-1/2 activation in mice susceptible to coxsackievirus-induced myocarditis. <i>Journal of Clinical Investigation</i> , 2002, 109, 1561-1569.	8.2	56
333	Cellular and molecular mechanisms of murine autoimmune myocarditis. <i>Apmis</i> , 1997, 105, 1-13.	2.0	55
334	A Specific Role of Phosphatidylinositol 3-Kinase β . <i>Journal of Cell Biology</i> , 2001, 152, 717-728.	5.2	55
335	Regulation of anaphylactic responses by phosphatidylinositol phosphate kinase type I β . <i>Journal of Experimental Medicine</i> , 2005, 201, 859-870.	8.5	55
336	A RANKL G278R mutation causing osteopetrosis identifies a functional amino acid essential for trimer assembly in RANKL and TNF. <i>Human Molecular Genetics</i> , 2012, 21, 784-798.	2.9	55
337	Autophagy in non-small cell lung carcinogenesis. <i>Autophagy</i> , 2014, 10, 529-531.	9.1	55
338	Fibroblasts as a source of self-antigens for central immune tolerance. <i>Nature Immunology</i> , 2020, 21, 1172-1180.	14.5	54
339	Knockout mice: a paradigm shift in modern immunology. <i>Nature Reviews Immunology</i> , 2001, 1, 11-19.	22.7	53
340	CD45 Regulated Signaling Pathways. <i>Current Topics in Medicinal Chemistry</i> , 2003, 3, 783-796.	2.1	53
341	Phosphatidylinositol-3-Kinase β Is Integral to Homing Functions of Progenitor Cells. <i>Circulation Research</i> , 2008, 102, 942-949.	4.5	53
342	Genetically corrected iPSCs as cell therapy for recessive dystrophic epidermolysis bullosa. <i>Science Translational Medicine</i> , 2014, 6, 264ra165.	12.4	53

#	ARTICLE	IF	CITATIONS
343	RANKL/RANK: from bone loss to the prevention of breast cancer. <i>Open Biology</i> , 2016, 6, 160230.	3.6	53
344	Depletion of angiotensin-converting enzyme 2 reduces brain serotonin and impairs the running-induced neurogenic response. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3625-3634.	5.4	53
345	Deficiency of Src homology 2 domain-containing inositol 5-phosphatase 1 affects platelet responses and thrombus growth. <i>Journal of Clinical Investigation</i> , 2007, 117, 944-952.	8.2	53
346	Genetic Deletion of ACE2 Induces Vascular Dysfunction in C57BL/6 Mice: Role of Nitric Oxide Imbalance and Oxidative Stress. <i>PLoS ONE</i> , 2016, 11, e0150255.	2.5	52
347	RANK links thymic regulatory T cells to fetal loss and gestational diabetes in pregnancy. <i>Nature</i> , 2021, 589, 442-447.	27.8	52
348	T lymphocyte development in p56lck deficient mice: allelic exclusion of the TcR $\hat{\beta}$ locus is incomplete but thymocyte development is not restored by TcR $\hat{\beta}$ or TcR $\hat{\beta}$ transgenes. <i>European Journal of Immunology</i> , 1995, 25, 1312-1318.	2.9	51
349	Adoptive Transfer of siRNA Cblb-Silenced CD8+ T Lymphocytes Augments Tumor Vaccine Efficacy in a B16 Melanoma Model. <i>PLoS ONE</i> , 2012, 7, e44295.	2.5	51
350	Muscle RANK is a key regulator of Ca ²⁺ storage, SERCA activity, and function of fast-twitch skeletal muscles. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C663-C672.	4.6	51
351	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018, 11, .	3.6	51
352	Loss of PI3K $\hat{\beta}$ Enhances cAMP-Dependent MMP Remodeling of the Myocardial N-Cadherin Adhesion Complexes and Extracellular Matrix in Response to Early Biomechanical Stress. <i>Circulation Research</i> , 2010, 107, 1275-1289.	4.5	50
353	Angiotensin-converting enzyme 2 attenuates oxidative stress and VSMC proliferation via the JAK2/STAT3/SOCS3 and profilin-1/MAPK signaling pathways. <i>Regulatory Peptides</i> , 2013, 185, 44-51.	1.9	50
354	RANKL and RANK in sex hormone-induced breast cancer and breast cancer metastasis. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 188-194.	7.1	49
355	Jagunal homolog 1 is a critical regulator of neutrophil function in fungal host defense. <i>Nature Genetics</i> , 2014, 46, 1028-1033.	21.4	49
356	Orphan Transporter SLC6A18 Is Renal Neutral Amino Acid Transporter BOAT3. <i>Journal of Biological Chemistry</i> , 2009, 284, 19953-19960.	3.4	48
357	Disruption of the growth hormone-Signal transducer and activator of transcription 5-Insulinlike growth factor 1 axis severely aggravates liver fibrosis in a mouse model of cholestasis. <i>Hepatology</i> , 2010, 51, 1319-1326.	7.3	48
358	Converging evidence that sequence variations in the novel candidate gene MAP2K7 (MKK7) are functionally associated with schizophrenia. <i>Human Molecular Genetics</i> , 2012, 21, 4910-4921.	2.9	48
359	Development and Function of Murine B Cells Lacking RANK. <i>Journal of Immunology</i> , 2012, 188, 1201-1205.	0.8	48
360	Gab2 signaling in chronic myeloid leukemia cells confers resistance to multiple Bcr-Abl inhibitors. <i>Leukemia</i> , 2013, 27, 118-129.	7.2	48

#	ARTICLE	IF	CITATIONS
361	RANKL/RANK “ From bone physiology to breast cancer. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 205-214.	7.2	48
362	<scp>CLP1</scp> as a novel player in linking <scp>tRNA</scp> splicing to neurodegenerative disorders. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 47-63.	6.4	48
363	B38-CAP is a bacteria-derived ACE2-like enzyme that suppresses hypertension and cardiac dysfunction. <i>Nature Communications</i> , 2020, 11, 1058.	12.8	48
364	Phosphatidylinositol 3-kinase facilitates bile acid-induced Ca ²⁺ responses in pancreatic acinar cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G875-G886.	3.4	47
365	Osteoprotegerin Protects against Muscular Dystrophy. <i>American Journal of Pathology</i> , 2015, 185, 920-926.	3.8	47
366	Adhesion mediated by LFA-1 is required for efficient IL-12-induced NK and NKT cell cytotoxicity. <i>European Journal of Immunology</i> , 2000, 30, 3723-3731.	2.9	46
367	Cbl-b in T-cell activation. <i>Seminars in Immunopathology</i> , 2010, 32, 137-148.	6.1	46
368	SHIP-1 inhibits CD95/APO-1/Fas-induced apoptosis in primary T lymphocytes and T leukemic cells by promoting CD95 glycosylation independently of its phosphatase activity. <i>Leukemia</i> , 2010, 24, 821-832.	7.2	46
369	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. <i>Cell Reports</i> , 2016, 15, 1481-1492.	6.4	46
370	Inhibition of RANK signaling in breast cancer induces an anti-tumor immune response orchestrated by CD8+ T cells. <i>Nature Communications</i> , 2020, 11, 6335.	12.8	46
371	Phosphoinositide 3-Kinases in Inunity: Lessons from Knockout Mice. <i>Journal of Biochemistry</i> , 2002, 131, 495-501.	1.7	45
372	Cbl-3-Deficient Mice Exhibit Normal Epithelial Development. <i>Molecular and Cellular Biology</i> , 2003, 23, 7708-7718.	2.3	45
373	Effects of ACE2 deficiency on physical performance and physiological adaptations of cardiac and skeletal muscle to exercise. <i>Hypertension Research</i> , 2016, 39, 506-512.	2.7	45
374	Aberrant regulation of RANKL/OPG in women at high risk of developing breast cancer. <i>Oncotarget</i> , 2017, 8, 3811-3825.	1.8	45
375	Genome-wide spatial expression profiling in formalin-fixed tissues. <i>Cell Genomics</i> , 2021, 1, 100065.	6.5	45
376	Distinct functions of junD in cardiac hypertrophy and heart failure. <i>Genes and Development</i> , 2005, 19, 208-213.	5.9	44
377	The molecular archaeology of a mitochondrial death effector: AIF in <i>Drosophila</i> . <i>Cell Death and Differentiation</i> , 2008, 15, 1009-1018.	11.2	44
378	Jun and JunD-dependent functions in cell proliferation and stress response. <i>Cell Death and Differentiation</i> , 2010, 17, 1409-1419.	11.2	44

#	ARTICLE	IF	CITATIONS
379	Cationic nanoparticles directly bind angiotensin-converting enzyme 2 and induce acute lung injury in mice. <i>Particle and Fibre Toxicology</i> , 2015, 12, 4.	6.2	44
380	Identification of lectin receptors for conserved SARS-CoV-2 glycosylation sites. <i>EMBO Journal</i> , 2021, 40, e108375.	7.8	44
381	Electrical Activation of Wound-Healing Pathways. <i>Advances in Skin and Wound Care</i> , 2010, 1, 567-573.	1.0	44
382	Generation of Humanized Mice Susceptible to Peptide-Induced Inflammatory Heart Disease. <i>Circulation</i> , 1999, 99, 1885-1891.	1.6	43
383	The evolutionarily conserved transcription factor PRDM12 controls sensory neuron development and pain perception. <i>Cell Cycle</i> , 2015, 14, 1799-1808.	2.6	43
384	New insights into the transmembrane protein tyrosine phosphatase CD45. <i>International Journal of Biochemistry and Cell Biology</i> , 2001, 33, 1041-1046.	2.8	42
385	Autoimmune heart failure: new understandings of pathogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 27-32.	2.8	42
386	Novel Functions of RANK(L) Signaling in the Immune System. <i>Advances in Experimental Medicine and Biology</i> , 2009, 658, 77-94.	1.6	42
387	A cryoinjury model in neonatal mice for cardiac translational and regeneration research. <i>Nature Protocols</i> , 2016, 11, 542-552.	12.0	42
388	Targeting the RANKL/RANK/OPG Axis for Cancer Therapy. <i>Frontiers in Oncology</i> , 2020, 10, 1283.	2.8	42
389	ACE2 is the critical in vivo receptor for SARS-CoV-2 in a novel COVID-19 mouse model with TNF- and IFN γ -driven immunopathology. <i>ELife</i> , 2022, 11, .	6.0	42
390	CD45RA and CD45RB ^{high} expression induced by thymic selection events.. <i>Journal of Experimental Medicine</i> , 1992, 176, 1657-1663.	8.5	41
391	Requirement of Phosphatidylinositol 3-Kinase Activation and Calcium Influx for Leukotriene B ₄ -induced Enzyme Release. <i>Journal of Biological Chemistry</i> , 2002, 277, 44898-44904.	3.4	41
392	Differential Control of CD28-Regulated In Vivo Immunity by the E3 Ligase Cbl-b. <i>Journal of Immunology</i> , 2005, 174, 1472-1478.	0.8	41
393	Epidermal JunB represses G-CSF transcription and affects haematopoiesis and bone formation. <i>Nature Cell Biology</i> , 2008, 10, 1003-1011.	10.3	41
394	Physiology and pathophysiology of the RANKL/RANK system. <i>Biological Chemistry</i> , 2010, 391, 1365-70.	2.5	41
395	Identification of embryonic precursor cells that differentiate into thymic epithelial cells expressing autoimmune regulator. <i>Journal of Experimental Medicine</i> , 2016, 213, 1441-1458.	8.5	41
396	LOX Fails to Substitute for RANKL in Osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 434-439.	2.8	41

#	ARTICLE	IF	CITATIONS
397	The Role of p56lck and p59fyn Tyrosine Kinases and CD45 Protein Tyrosine Phosphatase in T-cell Development and Clonal Selection. <i>Immunological Reviews</i> , 1993, 135, 183-214.	6.0	40
398	Spontaneous resistance to acute T-cell leukaemias in TCRV β 1.1J β 34C δ 34 transgenic mice. <i>Nature</i> , 1995, 375, 241-244.	27.8	40
399	Osteoprotegerin Reduces the Serum Level of Receptor Activator of NF- κ B Ligand Derived from Osteoblasts. <i>Journal of Immunology</i> , 2007, 178, 192-200.	0.8	40
400	Sigma α 1 receptors control neuropathic pain and macrophage infiltration into the dorsal root ganglion after peripheral nerve injury. <i>FASEB Journal</i> , 2020, 34, 5951-5966.	0.5	40
401	RANKL/RANK as Key Factors for Osteoclast Development and Bone Loss in Arthropathies. <i>Advances in Experimental Medicine and Biology</i> , 2009, 649, 100-113.	1.6	40
402	A diabetic milieu increases ACE2 expression and cellular susceptibility to SARS-CoV-2 infections in human kidney organoids and patient cells. <i>Cell Metabolism</i> , 2022, 34, 857-873.e9.	16.2	40
403	Signal Transduction, Mitotic Catastrophes, and Death in T-Cell Development. <i>Immunological Reviews</i> , 1994, 142, 231-272.	6.0	39
404	IL-1R-Associated Kinase 4 Is Required for Lipopolysaccharide- Induced Activation of APC. <i>Journal of Immunology</i> , 2003, 171, 6065-6071.	0.8	39
405	Genetic deletion of muscle RANK or selective inhibition of RANKL is not as effective as full-length OPG-fc in mitigating muscular dystrophy. <i>Acta Neuropathologica Communications</i> , 2018, 6, 31.	5.2	39
406	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13006-13015.	7.1	39
407	IL-10 Induces Regulatory T Cell Apoptosis by Up-Regulation of the Membrane Form of TNF- α . <i>Journal of Immunology</i> , 2004, 172, 1028-1035.	0.8	37
408	Regulation of peripheral T cell tolerance by the E3 ubiquitin ligase Cbl-b. <i>Seminars in Immunology</i> , 2007, 19, 206-214.	5.6	37
409	Recombinant Angiotensin-Converting Enzyme 2 Suppresses Pulmonary Vasoconstriction in Acute Hypoxia. <i>Wilderness and Environmental Medicine</i> , 2012, 23, 24-30.	0.9	37
410	CD4 expression is differentially required for deletion of MLS-1a-reactive T cells. <i>Journal of Experimental Medicine</i> , 1992, 176, 1459-1463.	8.5	36
411	Review of Microbial Infections and the Immune Response to Cardiac Antigens. <i>Journal of Infectious Diseases</i> , 2000, 181, S498-S504.	4.0	36
412	Role of Regulator of G Protein Signaling 2 (RGS2) in Ca $^{2+}$ Oscillations and Adaptation of Ca $^{2+}$ Signaling to Reduce Excitability of RGS2 $^{+}$ Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 41642-41649.	3.4	36
413	DREAM ablation selectively alters THC place aversion and analgesia but leaves intact the motivational and analgesic effects of morphine. <i>European Journal of Neuroscience</i> , 2004, 19, 3033-3041.	2.6	36
414	The oncogene product Vav is a crucial regulator of primary cytotoxic T cell responses but has no apparent role in CD28-mediated co-stimulation. <i>European Journal of Immunology</i> , 1999, 29, 1709-1718.	2.9	35

#	ARTICLE	IF	CITATIONS
415	What's new in the renin-angiotensin system?. Cellular and Molecular Life Sciences, 2004, 61, 2714-2719.	5.4	35
416	The Airn lncRNA does not require any DNA elements within its locus to silence distant imprinted genes. PLoS Genetics, 2019, 15, e1008268.	3.5	35
417	Clinical grade ACE2 as a universal agent to block SARS-CoV-2 variants. EMBO Molecular Medicine, 2022, 14, .	6.9	35
418	Increased Renal Responsiveness to Vasopressin and Enhanced V2 Receptor Signaling in RGS2 ^{-/-} Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 1672-1678.	6.1	34
419	Maps of open chromatin highlight cell type-restricted patterns of regulatory sequence variation at hematological trait loci. Genome Research, 2013, 23, 1130-1141.	5.5	34
420	Heterozygote loss of ACE2 is sufficient to increase the susceptibility to heart disease. Journal of Molecular Medicine, 2014, 92, 847-858.	3.9	34
421	Angiotensin-Converting Enzyme 2 (ACE2) in the Pathogenesis of ARDS in COVID-19. Frontiers in Immunology, 2021, 12, 732690.	4.8	34
422	Coronin 1A is an essential regulator of the TGF β 2 receptor/SMAD3 signaling pathway in Th17 CD4+ T cells. Journal of Autoimmunity, 2011, 37, 198-208.	6.5	33
423	Sigma-1 receptors control immune-driven peripheral opioid analgesia during inflammation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8396-8401.	7.1	33
424	PI3K β Protects from Myocardial Ischemia and Reperfusion Injury through a Kinase-Independent Pathway. PLoS ONE, 2010, 5, e9350.	2.5	33
425	Bnip3 and AIF cooperate to induce apoptosis and cavitation during epithelial morphogenesis. Journal of Cell Biology, 2012, 198, 103-114.	5.2	32
426	Cardiac protective effects of irbesartan via the PPAR-gamma signaling pathway in angiotensin-converting enzyme 2-deficient mice. Journal of Translational Medicine, 2013, 11, 229.	4.4	32
427	RANK rewires energy homeostasis in lung cancer cells and drives primary lung cancer. Genes and Development, 2017, 31, 2099-2112.	5.9	32
428	RANK(L) as a Key Target for Controlling Bone Loss. Advances in Experimental Medicine and Biology, 2009, 647, 130-145.	1.6	32
429	ACE2-like carboxypeptidase B38-CAP protects from SARS-CoV-2-induced lung injury. Nature Communications, 2021, 12, 6791.	12.8	32
430	Vav1 Regulates the Migration and Adhesion of Dendritic Cells. Journal of Immunology, 2009, 183, 310-318.	0.8	31
431	Blockage by SP600125 of Fc γ Receptor-Induced Degranulation and Cytokine Gene Expression in Mast Cells is Mediated Through Inhibition of Phosphatidylinositol 3-Kinase Signalling Pathway. Journal of Biochemistry, 2009, 145, 345-354.	1.7	31
432	Overexpression of the oncogenic signal transducer Gab2 occurs early in breast cancer development. International Journal of Cancer, 2010, 127, 1486-1492.	5.1	31

#	ARTICLE	IF	CITATIONS
433	HACE1-dependent protein degradation provides cardiac protection in response to haemodynamic stress. <i>Nature Communications</i> , 2014, 5, 3430.	12.8	31
434	A reproducible protocol for neonatal ischemic injury and cardiac regeneration in neonatal mice. <i>Basic Research in Cardiology</i> , 2016, 111, 64.	5.9	31
435	Cardiac Sarcoplasmic Reticulum Calcium Release and Load Are Enhanced by Subcellular cAMP Elevations in PI3K ^{Î³} -Deficient Mice. <i>Circulation Research</i> , 2005, 96, 1079-1086.	4.5	30
436	The renin-angiotensin system in acute respiratory distress syndrome. <i>Drug Discovery Today Disease Mechanisms</i> , 2006, 3, 225-229.	0.8	30
437	Autophagy suppresses Ras-driven epithelial tumorigenesis by limiting the accumulation of reactive oxygen species. <i>Oncogene</i> , 2017, 36, 5576-5592.	5.9	30
438	Structure-guided glyco-engineering of ACE2 for improved potency as soluble SARS-CoV-2 decoy receptor. <i>ELife</i> , 2021, 10, .	6.0	29
439	G0/G1 Switch Gene 2 Regulates Cardiac Lipolysis. <i>Journal of Biological Chemistry</i> , 2015, 290, 26141-26150.	3.4	28
440	Leukotriene B4 promotes neovascularization and macrophage recruitment in murine wet-type AMD models. <i>JCI Insight</i> , 2018, 3, .	5.0	28
441	SEK1/MKK4-mediated SAPK/JNK signaling participates in embryonic hepatoblast proliferation via a pathway different from NF-kappaB-induced anti-apoptosis. <i>Developmental Biology</i> , 2002, 250, 332-47.	2.0	28
442	Negative regulation of <i>wnt11</i> expression by Jnk signaling during zebrafish gastrulation. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 1022-1037.	2.6	27
443	Overexpression of apoptosis inducing factor aggravates hypoxic-ischemic brain injury in neonatal mice. <i>Cell Death and Disease</i> , 2020, 11, 77.	6.3	27
444	CD4, CD8 and tyrosine kinases in thymic selection. <i>Current Opinion in Immunology</i> , 1993, 5, 235-240.	5.5	26
445	Genetically modified animals and immunodeficiency. <i>Current Opinion in Immunology</i> , 1993, 5, 585-594.	5.5	26
446	T-cell development and function in gene-knockout mice. <i>Current Opinion in Immunology</i> , 1994, 6, 298-307.	5.5	26
447	Essential Role of the Adhesion Receptor LFA-1 for T Cell-Dependent Fulminant Hepatitis. <i>Journal of Immunology</i> , 2002, 169, 7087-7096.	0.8	26
448	Phosphatidylinositol 3-kinase regulates Ca ²⁺ signaling in pancreatic acinar cells through inhibition of sarco(endo)plasmic reticulum Ca ²⁺ -ATPase. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G1200-G1212.	3.4	26
449	The role of ACE2 in pulmonary diseases--relevance for the nephrologist. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 1362-1365.	0.7	26
450	Phosphoinositide 3-kinase-gamma expression is upregulated in brain microglia and contributes to ischemia-induced microglial activation in acute experimental stroke. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 458-464.	2.1	26

#	ARTICLE	IF	CITATIONS
451	Mild Impairment of Mitochondrial OXPHOS Promotes Fatty Acid Utilization in POMC Neurons and Improves Glucose Homeostasis in Obesity. <i>Cell Reports</i> , 2018, 25, 383-397.e10.	6.4	26
452	HACE1 deficiency leads to structural and functional neurodevelopmental defects. <i>Neurology: Genetics</i> , 2019, 5, e330.	1.9	26
453	JNK signalling mediates aspects of maternal immune activation: importance of maternal genotype in relation to schizophrenia risk. <i>Journal of Neuroinflammation</i> , 2019, 16, 18.	7.2	26
454	Experimental allergic encephalomyelitis (EAE) in mice lacking CD4+ T cells. <i>European Journal of Immunology</i> , 1994, 24, 2250-2253.	2.9	25
455	The role of transgenic knockout models in defining the pathogenesis of viral heart disease. <i>European Heart Journal</i> , 1995, 16, 25-27.	2.2	24
456	T cell repertoire and clonal deletion of Mtv superantigen-reactive T cells in mice lacking CD4 and CD8 molecules. <i>European Journal of Immunology</i> , 1995, 25, 2115-2118.	2.9	24
457	Linking cytoarchitecture to metabolism: sarcolemma-associated plectin affects glucose uptake by destabilizing microtubule networks in mdx myofibers. <i>Skeletal Muscle</i> , 2013, 3, 14.	4.2	24
458	Receptor Activator of NF- κ B Orchestrates Activation of Antiviral Memory CD8 ⁺ T Cells in the Spleen Marginal Zone. <i>Cell Reports</i> , 2017, 21, 2515-2527.	6.4	24
459	Human CD4-major histocompatibility complex class II (DQw6) transgenic mice in an endogenous CD4/CD8-deficient background: reconstitution of phenotype and human-restricted function.. <i>Journal of Experimental Medicine</i> , 1994, 180, 1911-1920.	8.5	23
460	Construction of a Global Pain Systems Network Highlights Phospholipid Signaling as a Regulator of Heat Nociception. <i>PLoS Genetics</i> , 2012, 8, e1003071.	3.5	23
461	Reinforcement of cancer immunotherapy by adoptive transfer of <i>Cblb</i> -deficient CD8 ⁺ T cells combined with a DC vaccine. <i>Immunology and Cell Biology</i> , 2012, 90, 130-134.	2.3	22
462	Frontline Science: Coincidental null mutation of <i>Csf2r1</i> in a colony of <i>PI3K1³/Δ</i> mice causes alveolar macrophage deficiency and fatal respiratory viral infection. <i>Journal of Leukocyte Biology</i> , 2017, 101, 367-376.	3.3	22
463	The role of LFA-1 in osteoclast development induced by co-cultures of mouse bone marrow cells and MC3T3-G2/PA6 cells. <i>Journal of Periodontal Research</i> , 2002, 37, 184-191.	2.7	21
464	Stress Induces Mitochondria-mediated Apoptosis Independent of SAPK/JNK Activation in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 1621-1626.	3.4	21
465	Negative regulation of T cell receptor signals. <i>Current Opinion in Pharmacology</i> , 2004, 4, 415-422.	3.5	21
466	The paradox of overnutrition in aging and cognition. <i>Annals of the New York Academy of Sciences</i> , 2013, 1287, 31-43.	3.8	21
467	Analysis of PNGase F-Resistant N-glycopeptides Using SugarQb for Proteome Discoverer 2.1 Reveals Cryptic Substrate Specificities. <i>Proteomics</i> , 2018, 18, e1700436.	2.2	21
468	The oxidoreductase PYROXD1 uses NAD(P)+ as an antioxidant to sustain tRNA ligase activity in pre-tRNA splicing and unfolded protein response. <i>Molecular Cell</i> , 2021, 81, 2520-2532.e16.	9.7	21

#	ARTICLE	IF	CITATIONS
469	Ultrastructural analysis of thymic nurse cell epithelium. <i>European Journal of Immunology</i> , 1994, 24, 222-228.	2.9	20
470	STEM CELLS: PTEN--Coupling Tumor Suppression to Stem Cells?. <i>Science</i> , 2001, 294, 2116-2118.	12.6	20
471	Osteoprotegerin Ligand Induces β -Casein Gene Expression through the Transcription Factor CCAAT/Enhancer-binding Protein β . <i>Journal of Biological Chemistry</i> , 2002, 277, 5339-5344.	3.4	20
472	Genome wide functional genetics in haploid cells. <i>FEBS Letters</i> , 2014, 588, 2415-2421.	2.8	20
473	A vital sugar code for ricin toxicity. <i>Cell Research</i> , 2017, 27, 1351-1364.	12.0	20
474	Comparative Proteome Signatures of Trace Samples by Multiplexed Data-Independent Acquisition. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100177.	3.8	20
475	Weak agonist self-peptides promote selection and tuning of virus-specific T cells. <i>European Journal of Immunology</i> , 2003, 33, 685-696.	2.9	19
476	HACE1 Prevents Lung Carcinogenesis via Inhibition of RAC-Family GTPases. <i>Cancer Research</i> , 2020, 80, 3009-3022.	0.9	19
477	Adult T-cells impair neonatal cardiac regeneration. <i>European Heart Journal</i> , 2022, 43, 2698-2709.	2.2	19
478	ZPK/DLK and MKK4 Form the Critical Gateway to Axotomy-Induced Motoneuron Death in Neonates. <i>Journal of Neuroscience</i> , 2014, 34, 10729-10742.	3.6	18
479	Targeting the MKK7/c-Jun N-Terminal Kinase Pathway with Covalent Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2843-2848.	6.4	18
480	Thymic nurse cell lymphocytes react against self major histocompatibility complex. <i>European Journal of Immunology</i> , 1992, 22, 79-83.	2.9	17
481	Essential Role of LFA-1 in Activating Th2-Like Responses by α -Galactosylceramide-Activated NKT Cells. <i>Journal of Immunology</i> , 2004, 173, 4976-4984.	0.8	17
482	Intercellular Communication between Keratinocytes and Fibroblasts Induces Local Osteoclast Differentiation: a Mechanism Underlying Cholesteatoma-Induced Bone Destruction. <i>Molecular and Cellular Biology</i> , 2016, 36, 1610-1620.	2.3	17
483	Age-dependent motor dysfunction due to neuron-specific disruption of stress-activated protein kinase MKK7. <i>Scientific Reports</i> , 2017, 7, 7348.	3.3	17
484	Unbiased compound-protein interface mapping and prediction of chemoresistance loci through forward genetics in haploid stem cells. <i>Oncotarget</i> , 2018, 9, 9838-9851.	1.8	17
485	Sclerostin expression in trabecular bone is downregulated by osteoclasts. <i>Scientific Reports</i> , 2020, 10, 13751.	3.3	17
486	Evidence in favor of the essentiality of human cell membrane-bound ACE2 and against soluble ACE2 for SARS-CoV-2 infectivity. <i>Cell</i> , 2022, 185, 1837-1839.	28.9	17

#	ARTICLE	IF	CITATIONS
487	Development of an aerosol intervention for COVID-19 disease: Tolerability of soluble ACE2 (APN01) administered via nebulizer. PLoS ONE, 2022, 17, e0271066.	2.5	17
488	Chicken thymic nurse cells: An overview. Developmental and Comparative Immunology, 1995, 19, 281-289.	2.3	16
489	E3 ubiquitin ligases in T cell tolerance. European Journal of Immunology, 2009, 39, 2337-2344.	2.9	16
490	Combining functional magnetic resonance imaging with mouse genomics: new options in pain research. NeuroReport, 2010, 21, 29-33.	1.2	16
491	Mice haploinsufficient for Map2k7, a gene involved in neurodevelopment and risk for schizophrenia, show impaired attention, a vigilance decrement deficit and unstable cognitive processing in an attentional task: impact of minocycline. Psychopharmacology, 2017, 234, 293-305.	3.1	16
492	Predicting functional neuroanatomical maps from fusing brain networks with genetic information. NeuroImage, 2018, 170, 113-120.	4.2	16
493	Tyrosine pre-transfer RNA fragments are linked to p53-dependent neuronal cell death via PKM2. Biochemical and Biophysical Research Communications, 2020, 525, 726-732.	2.1	16
494	A Genome-Wide siRNA Screen Implicates Spire1/2 in SipA-Driven Salmonella Typhimurium Host Cell Invasion. PLoS ONE, 2016, 11, e0161965.	2.5	16
495	Transcriptional mechanisms underlying neuropathic pain: DREAM, transcription factors and future pain management?. Expert Review of Neurotherapeutics, 2002, 2, 677-689.	2.8	15
496	The Ubiquitin E3 Ligase Cbl-b in T Cells Tolerance and Tumor Immunity. Cell Cycle, 2007, 6, 2478-2485.	2.6	15
497	Loss of dexamethasone alters nonphotic circadian phase shifts and reveals a role for the intergeniculate leaflet (IGL) in gene-targeted mice. Chronobiology International, 2011, 28, 553-562.	2.0	15
498	Cbl-b regulates airway mucosal tolerance to aeroallergen. Clinical and Experimental Allergy, 2011, 41, 434-442.	2.9	15
499	A mouse model to identify cooperating signaling pathways in cancer. Nature Methods, 2012, 9, 897-900.	19.0	15
500	Dual deficiency of angiotensin-converting enzyme-2 and Mas receptor enhances angiotensin II-induced hypertension and hypertensive nephropathy. Journal of Cellular and Molecular Medicine, 2020, 24, 13093-13103.	3.6	15
501	DREAMing about arthritic pain. Annals of the Rheumatic Diseases, 2004, 63, ii72-ii75.	0.9	14
502	The Role of the E3 Ligase Cbl-B in Murine Dendritic Cells. PLoS ONE, 2013, 8, e65178.	2.5	14
503	Functionally Conserved Noncoding Regulators of Cardiomyocyte Proliferation and Regeneration in Mouse and Human. Circulation Genomic and Precision Medicine, 2018, 11, e001805.	3.6	14
504	Salmonella-based platform for efficient delivery of functional binding proteins to the cytosol. Communications Biology, 2020, 3, 342.	4.4	14

#	ARTICLE	IF	CITATIONS
505	SEK1/MKK4-Mediated SAPK/JNK Signaling Participates in Embryonic Hepatoblast Proliferation via a Pathway Different from NF- κ B-Induced Anti-Apoptosis. <i>Developmental Biology</i> , 2002, 250, 332-347.	2.0	14
506	“Catching heart disease” Antigenic mimicry and bacterial infections. <i>Nature Medicine</i> , 2000, 6, 841-842.	30.7	13
507	CD36/Sirtuin 1 Axis Impairment Contributes to Hepatic Steatosis in ACE2-Deficient Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	4.0	13
508	Glycogen Synthase Kinase-3 Modulates Cbl-b and Constrains T Cell Activation. <i>Journal of Immunology</i> , 2017, 199, 4056-4065.	0.8	13
509	Cbl-b deficiency provides protection against UVB-induced skin damage by modulating inflammatory gene signature. <i>Cell Death and Disease</i> , 2018, 9, 835.	6.3	13
510	Pulmonary phagocyte-derived NPY controls the pathology of severe influenza virus infection. <i>Nature Microbiology</i> , 2019, 4, 258-268.	13.3	13
511	A critical relationship between bone and fat: the role of bone marrow adipose-derived RANKL in bone metabolism. <i>EMBO Reports</i> , 2021, 22, e52986.	4.5	13
512	Intra-thymic nurse cell lymphocytes can induce a graft-versus-host reaction with high efficiency. <i>Developmental and Comparative Immunology</i> , 1989, 13, 313-327.	2.3	12
513	Developmentally regulated expression of the regulator of G-protein signaling gene 2 (Rgs2) in the embryonic mouse pituitary. <i>Gene Expression Patterns</i> , 2005, 5, 305-311.	0.8	12
514	MKK7 and ARF. <i>Cell Cycle</i> , 2014, 13, 1227-1236.	2.6	12
515	Loss of function mutations in VARS encoding cytoplasmic valyl-tRNA synthetase cause microcephaly, seizures, and progressive cerebral atrophy. <i>Human Genetics</i> , 2018, 137, 293-303.	3.8	12
516	Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) β 3 knockout mice. <i>Brain Structure and Function</i> , 2018, 223, 111-130.	2.3	12
517	Derivation and maintenance of mouse haploid embryonic stem cells. <i>Nature Protocols</i> , 2019, 14, 1991-2014.	12.0	12
518	Developmental Expression of IL-2-Receptor Light Chain (CD25) in the Chicken Embryo. <i>Autoimmunity</i> , 1991, 1, 237-242.	0.6	11
519	ADAP-ting TCR Signaling to Integrins. <i>Science Signaling</i> , 2002, 2002, re3-re3.	3.6	11
520	Stress Kinase MKK7: Saviour of Cell Cycle Arrest and Cellular Senescence. <i>Cell Cycle</i> , 2004, 3, 575-577.	2.6	11
521	Impaired T cell development in the absence of Vav1 and Itk. <i>European Journal of Immunology</i> , 2008, 38, 3530-3542.	2.9	11
522	Gab2 Promotes Colony-Stimulating Factor 1-Regulated Macrophage Expansion via Alternate Effectors at Different Stages of Development. <i>Molecular and Cellular Biology</i> , 2011, 31, 4563-4581.	2.3	11

#	ARTICLE	IF	CITATIONS
523	Behavioral phenotyping of calcium channel (CACN) subunit $\beta_2\beta_3$ knockout mice: Consequences of sensory cross-modal activation. <i>Behavioural Brain Research</i> , 2019, 364, 393-402.	2.2	11
524	A crucial role for Jagunal homolog 1 in humoral immunity and antibody glycosylation in mice and humans. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	11
525	Enhanced ERK-1/2 activation in mice susceptible to coxsackievirus-induced myocarditis. <i>Journal of Clinical Investigation</i> , 2002, 109, 1561-1569.	8.2	11
526	In situ analyses of in ovo graft-vs.-host reaction induced by thymic nurse cell lymphocytes. <i>European Journal of Immunology</i> , 1993, 23, 904-910.	2.9	10
527	Spatial (Tbata) expression in mature medullary thymic epithelial cells. <i>European Journal of Immunology</i> , 2010, 40, 530-538.	2.9	10
528	The many roles of RANKL-RANK signaling in bone, breast and cancer. <i>IBMS BoneKEy</i> , 2011, 8, 237-256.	0.0	10
529	A genome-wide <i>Drosophila</i> epithelial tumorigenesis screen identifies Tetraspanin 29Fb as an evolutionarily conserved suppressor of Ras-driven cancer. <i>PLoS Genetics</i> , 2018, 14, e1007688.	3.5	10
530	Map2k7 Haploinsufficiency Induces Brain Imaging Endophenotypes and Behavioral Phenotypes Relevant to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020, 46, 211-223.	4.3	10
531	Thymocyte selection in Vav and IRF-1 gene-deficient mice. <i>Immunological Reviews</i> , 1998, 165, 149-166.	6.0	9
532	Thymic heterotypic cellular complexes in gene-targeted mice with defined blocks in T cell development and adhesion molecule expression. <i>European Journal of Immunology</i> , 1998, 28, 2882-2892.	2.9	9
533	When the DREAM is gone:from basic science to future prospectives in pain management and beyond. <i>Expert Opinion on Therapeutic Targets</i> , 2003, 7, 249-263.	3.4	9
534	Reduced Prenatal Pulmonary Lymphatic Function Is Observed in Clp1K/K Embryos With Impaired Motor Functions Including Fetal Breathing Movements in Preparation of the Developing Lung for Inflation at Birth. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 136.	4.1	9
535	Maternal transfer of infectious mouse mammary tumor retroviruses does not depend on clonal deletion of superantigen-reactive V β 214+ T cells. <i>European Journal of Immunology</i> , 1994, 24, 1102-1108.	2.9	8
536	Cavitation of embryoid bodies requires optimal oxidative phosphorylation and AIF. <i>Cell Death and Differentiation</i> , 2007, 14, 385-387.	11.2	8
537	Nutrition and the biology of human ageing: Bone health & osteoporosis / sarcopenia / immune deficiency. <i>Journal of Nutrition, Health and Aging</i> , 2013, 17, 712-716.	3.3	8
538	Mast cells are not associated with systemic insulin resistance. <i>European Journal of Clinical Investigation</i> , 2016, 46, 911-919.	3.4	8
539	The mevalonate pathway regulates primitive streak formation via protein farnesylation. <i>Scientific Reports</i> , 2016, 6, 37697.	3.3	8
540	Central RANK signalling in NPY neurons alters bone mass in male mice. <i>Neuropeptides</i> , 2018, 68, 75-83.	2.2	8

#	ARTICLE	IF	CITATIONS
541	TNF Conference 2009: Beyond Bones – RANKL/RANK in the Immune System. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 5-22.	1.6	8
542	Site-specific ubiquitination of the E3 ligase HOIP regulates apoptosis and immune signaling. <i>EMBO Journal</i> , 2020, 39, e103303.	7.8	8
543	Imprinted expression in cystic embryoid bodies shows an embryonic and not an extra-embryonic pattern. <i>Developmental Biology</i> , 2015, 402, 291-305.	2.0	7
544	PRDM12 Is Transcriptionally Active and Required for Nociceptor Function Throughout Life. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 720973.	2.9	7
545	Hypertension with a grain of salt. <i>Nature Medicine</i> , 2004, 10, 1163-1164.	30.7	6
546	Angiotensin Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis and Diastolic Dysfunction. <i>Journal of Cardiac Failure</i> , 2010, 16, S16.	1.7	6
547	CBL-B is required for leukemogenesis mediated by BCR-ABL through negative regulation of bone marrow homing. <i>Leukemia</i> , 2013, 27, 1146-1154.	7.2	6
548	The W9 peptide directly stimulates osteoblast differentiation via RANKL signaling. <i>Journal of Oral Biosciences</i> , 2017, 59, 146-151.	2.2	6
549	Cytoskeletal disorganization underlies PABPN1-mediated myogenic disability. <i>Scientific Reports</i> , 2020, 10, 17621.	3.3	6
550	Modeling a human CLP1 mutation in mouse identifies an accumulation of tyrosine pre-tRNA fragments causing pontocerebellar hypoplasia type 10. <i>Biochemical and Biophysical Research Communications</i> , 2021, 570, 60-66.	2.1	6
551	Tolerance and Self-Reactivity in $\sqrt{31.1C}^{34}$ Transgenic Mice. <i>International Reviews of Immunology</i> , 1994, 11, 295-304.	3.3	5
552	Can osteoclasts be excluded? (Reply). <i>Nature</i> , 2007, 445, E19-E20.	27.8	5
553	Variants in STAT5B Associate with Serum TC and LDL-C Levels. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E1496-E1501.	3.6	5
554	RANKL and OPG and their influence on breast volume changes during pregnancy in healthy women. <i>Scientific Reports</i> , 2020, 10, 5171.	3.3	5
555	Hepatocyte Mitogen-Activated Protein Kinase Kinase 7 Contributes to Restoration of the Liver Parenchyma Following Injury in Mice. <i>Hepatology</i> , 2021, 73, 2510-2526.	7.3	5
556	HACE1 blocks HIF1 \pm accumulation under hypoxia in a RAC1 dependent manner. <i>Oncogene</i> , 2021, 40, 1988-2001.	5.9	5
557	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , 2021, 13, 662.	3.7	5
558	The protective role of ACE2 in hypertension. <i>American Journal of Hypertension</i> , 2003, 16, A23.	2.0	4

#	ARTICLE	IF	CITATIONS
559	Master checkpoint Cbl-b inhibition: Anti-tumour efficacy in a murine colorectal cancer model following siRNA-based cell therapy. <i>Annals of Oncology</i> , 2019, 30, v503-v504.	1.2	4
560	CLP1 acts as the main RNA kinase in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 129-134.	2.1	4
561	TSPAN6 is a suppressor of Ras-driven cancer. <i>Oncogene</i> , 2022, 41, 2095-2105.	5.9	4
562	Recalibrating vascular malformations and mechanotransduction by pharmacological intervention. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	4
563	Mechanisms of autoimmune heart disease. <i>Drug Discovery Today Disease Mechanisms</i> , 2004, 1, 283-288.	0.8	3
564	Vav1 regulates MHCII expression in murine resting and activated B cells. <i>International Immunology</i> , 2013, 25, 307-317.	4.0	3
565	MKK7 deficiency in mature neurons impairs parental behavior in mice. <i>Genes To Cells</i> , 2021, 26, 5-17.	1.2	3
566	The ubiquitin ligase HOIL-1L regulates immune responses by interacting with linear ubiquitin chains. <i>IScience</i> , 2021, 24, 103241.	4.1	3
567	Contact-dependent signaling triggers tumor-like proliferation of CCM3 knockout endothelial cells in co-culture with wild-type cells. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	3
568	ESCI award lecture: from a little mouse to rationale medicine for bone loss. <i>European Journal of Clinical Investigation</i> , 2009, 39, 842-850.	3.4	2
569	The enigmatic meiotic dense body and its newly discovered component, SCML1, are dispensable for fertility and gametogenesis in mice. <i>Chromosoma</i> , 2017, 126, 399-415.	2.2	2
570	Cardiac regeneration in a newborn: what does this mean for future cardiac repair research?. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 155-157.	1.5	2
571	RANK deletion in neuropeptide Y neurones attenuates oestrogen deficiency-related bone loss. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12687.	2.6	2
572	Redirecting Imipramine against Bluetongue Virus Infection: Insights from a Genome-wide Haploid Screening Study. <i>Pathogens</i> , 2022, 11, 602.	2.8	2
573	RANK and RANKL of Bones, T Cells, and the Mammary Glands. , 2016, , 121-142.		1
574	The oncogene product Vav is a crucial regulator of primary cytotoxic T cell responses but has no apparent role in CD28-mediated co-stimulation. <i>European Journal of Immunology</i> , 1999, 29, 1709-1718.	2.9	1
575	RANK-RANKL Signaling. , 2011, , 3165-3168.		1
576	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. , 2020, 46, 586.		1

#	ARTICLE	IF	CITATIONS
577	DISTRIBUTION OF ANGIOTENSIN-(1-7) AND ACE2 IN HUMAN PLACENTA OF EARLY AND TERM NORMOTENSIVE PREGNANCY AND PREECLAMPSIA. <i>Journal of Hypertension</i> , 2004, 22, S65.	0.5	1
578	RANK/RANKL: Regulators of Immune Responses and Bone Physiology. , 2008, 1143, 123.		1
579	TNF-driven cell fate: till HACE do us part. <i>Oncotarget</i> , 2016, 7, 44871-44872.	1.8	1
580	New and Highly Efficient Therapy for Treatment NPM-ALK Associated Lymphomas. <i>Blood</i> , 2011, 118, 1659-1659.	1.4	1
581	Transcription factor mesenchyme homeobox protein 2 (MEOX2) modulates nociceptor function. <i>FEBS Journal</i> , 2022, 289, 3457-3476.	4.7	1
582	Neuropeptide Neuromedin B does not alter body weight and glucose homeostasis nor does it act as an insulin-releasing peptide. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
583	Phosphatidylinositide 3-kinase (PI3K) gamma regulates key pathologic responses to CCK in the pancreatic acinar cell. <i>Gastroenterology</i> , 2003, 124, A500.	1.3	0
584	Models of autoimmune heart disease. <i>Drug Discovery Today: Disease Models</i> , 2004, 1, 411-416.	1.2	0
585	A novel model for pathogenesis of autoimmune heart failure: The role of dendritic cells. <i>International Congress Series</i> , 2005, 1285, 192-201.	0.2	0
586	The Biochemical Mechanisms of T-Cell Anergy. <i>Current Immunology Reviews</i> , 2006, 2, 73-99.	1.2	0
587	Osteoimmunology in the aegean sea. Meeting report from the 2nd international conference on osteoimmunology: interactions of the immune and skeletal systems. <i>IBMS BoneKEy</i> , 2009, 6, 29-35.	0.0	0
588	Lack of DREAM Protein Enhances Learning and Memory and Slows Brain Aging. <i>Current Biology</i> , 2009, 19, 1332.	3.9	0
589	Prevention of angiotensin II-induced hypertension and cardiac remodeling by recombinant human angiotensin-converting enzyme 2 in mice. <i>International Journal of Cardiology</i> , 2009, 137, S131.	1.7	0
590	Response to â€“Angiotensin-converting enzyme 2 (ACE2) gene and protein expression in diabetic patients without nephropathyâ€™. <i>Kidney International</i> , 2009, 75, 1119.	5.2	0
591	Loss of PI3KÎ³ Enhances cAMP-Dependent MMP Remodeling of N-Cadherin Adhesion Complexes and Extracellular Matrix in Response to Biomechanical Stress. <i>Journal of Cardiac Failure</i> , 2010, 16, S9.	1.7	0
592	491 Loss of Apelin exacerbates post-myocardial infarction remodeling and myocardial ischemia-reperfusion injury. <i>Canadian Journal of Cardiology</i> , 2011, 27, S240.	1.7	0
593	Osteoclasts are dispensable for hematopoietic stem cell maintenance and mobilization. <i>Journal of Experimental Medicine</i> , 2011, 208, 2761-2761.	8.5	0
594	ANGIOTENSIN II-MEDIATED MYOCARDIAL EXPRESSION OF MMP2, MMP9 AND MT1-MMP WERE ENHANCED IN ACE2-NULL MICE. <i>Heart</i> , 2012, 98, E9.2-E9.	2.9	0

#	ARTICLE	IF	CITATIONS
595	New actions of rank ligand. Bone, 2012, 50, S21.	2.9	0
596	The Tumor Necrosis Factor Family Receptors RANK and CD40 Cooperatively Establish the Thymic Medullary Microenvironment and Self-Tolerance. Immunity, 2013, 39, 796.	14.3	0
597	Haploinsufficiency of ACE2 Is Sufficient to Enhance Susceptibility to Heart Failure With Adverse Cardiovascular Remodeling. Canadian Journal of Cardiology, 2013, 29, S234-S235.	1.7	0
598	Correction: The hemopoietic Rho/Rac guanine nucleotide exchange factor Vav1 regulates N-formyl-methionyl-leucyl-phenylalanine-activated neutrophil functions. Journal of Immunology, 2013, 190, 4433-4433.	0.8	0
599	Osteoprotegerin full length protein mitigates muscular dystrophy in fast-twitch skeletal muscles. Neuromuscular Disorders, 2016, 26, S131.	0.6	0
600	Loss of Prdm12 affects nociceptor differentiation in the mouse. Mechanisms of Development, 2017, 145, S116.	1.7	0
601	GW28-e0806 Pyr1-Apelin 13 is a negative modulator of angiotensin II-mediated adverse myocardial hypertrophy, remodeling and fibrosis. Journal of the American College of Cardiology, 2017, 70, C29-C30.	2.8	0
602	ELABELA, a Novel APJ Ligand, Inhibits Pressure Overload- and Angiotensin II-induced Cardiac Remodeling. Journal of Cardiac Failure, 2017, 23, S56.	1.7	0
603	ANGI-03. PHARMACOLOGICAL TARGETING OF APELIN/APLNR SIGNALING BLUNTS THERAPY RESISTANCE TO VEGFA/VEGFR2 ANTI-ANGIOGENIC TREATMENT IN GLIOBLASTOMA. Neuro-Oncology, 2019, 21, vi30-vi30.	1.2	0
604	P1175 Mitochondrial cardiomyopathy in mice overexpressing fra-1 and lacking junD. European Heart Journal, 2003, 24, 218.	2.2	0
605	The Role of Endothelial PI3K ^{Î³} Activity in Neutrophil Trafficking.. Blood, 2005, 106, 3891-3891.	1.4	0
606	Cbl-b Deficiency Enhances Motility and Impairs Leukemogenesis by Bcr-Abl.. Blood, 2007, 110, 1019-1019.	1.4	0
607	Abstract 4835: Angiotensin-Converting-Enzyme 2 (rhACE2) Potently Attenuates the Negative Hemodynamic Effects of Angiotensin II (ATII) and Improves Post-Myocardial Infarction (MI) Remodeling. Circulation, 2008, 118, .	1.6	0
608	Identification of cell cycleâ€œarrested quiescent osteoclast precursors in vivo. Journal of Experimental Medicine, 2009, 206, i5-i5.	8.5	0
609	Reinforcement of Cancer Immunotherapy by Adoptive Transfer of Cblb-Deficient Cytotoxic T Lymphocytes Combined with a Dendritic Cell Vaccine. Blood, 2010, 116, 957-957.	1.4	0
610	Abstract 4880: Disruption of STAT3 signaling promotes K-Ras induced lung tumorigenesis. , 2012, , .		0
611	ACE2 Deficiency Augments Cerebrovascular Dysfunction during Aging. FASEB Journal, 2012, 26, lb651.	0.5	0
612	Molecular Mimicry and Heart Disease. , 0, , 69-82.		0

#	ARTICLE	IF	CITATIONS
613	CD30. , 1998, , 164-165.		0
614	NF-ATc1. , 1998, , 790-792.		0
615	SEK1. , 1998, , 933-934.		0
616	Lck. , 1998, , 668-669.		0
617	CD45. , 1998, , 179-181.		0
618	Abstract 1209: Comparison of lung adenocarcinoma development in genetically engineered mouse and in humans - similarities and differences. , 2014, , .		0
619	RANKâ€“RANKL Signaling. , 2015, , 1-5.		0
620	RANKâ€“RANKL Signaling. , 2016, , 3899-3903.		0
621	Abstract C048: Novel master checkpoint Cbl-b siRNA-based adoptive cellular therapy: Superior antitumor efficacy in a syngeneic murine hepatocellular carcinoma Hepa1-6 model following APN401 monotherapy and synergistic effects with anti-PD1. , 2019, , .		0
622	Abstract 15735: Neonatal Cardiac Regeneration Depends on IGF1R-signaling. Circulation, 2020, 142, .	1.6	0