

Josef Martin Penninger

List of Publications by Year in Descending Order

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

599
papers

95,753
citations

147
h-index

299
g-index

667
ext. papers

108,571
ext. citations

14.8
avg, IF

7.74
L-index

#	Paper	IF	Citations
599	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,	8.9	7
598	TSPAN6 is a suppressor of Ras-driven cancer.. <i>Oncogene</i> , 2022 ,	9.2	1
597	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 ,	24.6	2
596	Redirecting Imipramine against Bluetongue Virus Infection: Insights from a Genome-wide Haploid Screening Study. <i>Pathogens</i> , 2022 , 11, 602	4.5	0
595	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	56.2	4
594	Structure-guided glyco-engineering of ACE2 for improved potency as soluble SARS-CoV-2 decoy receptor.. <i>ELife</i> , 2021 , 10,	8.9	2
593	Human soluble ACE2 improves the effect of remdesivir in SARS-CoV-2 infection. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13426	12	42
592	Comparative proteome signatures of trace samples by multiplexed Data-Independent Acquisition. <i>Molecular and Cellular Proteomics</i> , 2021 , 100177	7.6	2
591	ACE2-like carboxypeptidase B38-CAP protects from SARS-CoV-2-induced lung injury. <i>Nature Communications</i> , 2021 , 12, 6791	17.4	9
590	The ubiquitin ligase HOIL-1L regulates immune responses by interacting with linear ubiquitin chains. <i>iScience</i> , 2021 , 24, 103241	6.1	2
589	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021 , 18, 1304-1316	21.6	16
588	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	11.6	36
587	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	17.6	2
586	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	6.5	5
585	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,	16.6	2
584	JAK inhibition reduces SARS-CoV-2 liver infectivity and modulates inflammatory responses to reduce morbidity and mortality. <i>Science Advances</i> , 2021 , 7,	14.3	97
583	RANK links thymic regulatory T cells to fetal loss and gestational diabetes in pregnancy. <i>Nature</i> , 2021 , 589, 442-447	50.4	19

582	The Role of Angiotensin Converting Enzyme 2 in Modulating Gut Microbiota, Intestinal Inflammation, and Coronavirus Infection. <i>Gastroenterology</i> , 2021 , 160, 39-46	13.3	40
581	MKK7 deficiency in mature neurons impairs parental behavior in mice. <i>Genes To Cells</i> , 2021 , 26, 5-17	2.3	2
580	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	11.2	3
579	HACE1 blocks HIF1 α accumulation under hypoxia in a RAC1 dependent manner. <i>Oncogene</i> , 2021 , 40, 1988-2001	9.2	1
578	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , 2021 , 13,	6.6	4
577	Ferritinophagy and ferroptosis in the management of metabolic diseases. <i>Trends in Endocrinology and Metabolism</i> , 2021 , 32, 444-462	8.8	30
576	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021 , 40, e108863	13	79
575	Identification of lectin receptors for conserved SARS-CoV-2 glycosylation sites. <i>EMBO Journal</i> , 2021 , 40, e108375	13	10
574	Development of a novel, pan-variant aerosol intervention for COVID-19 2021 ,		2
573	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	3.4	3
572	PRDM12 Is Transcriptionally Active and Required for Nociceptor Function Throughout Life. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 720973	6.1	0
571	Clinical grade ACE2 as a universal agent to block SARS-CoV-2 variants 2021 ,		4
570	Targeting autophagy in ischemic stroke: From molecular mechanisms to clinical therapeutics. <i>Pharmacology & Therapeutics</i> , 2021 , 225, 107848	13.9	18
569	Angiotensin-Converting Enzyme 2 (ACE2) in the Pathogenesis of ARDS in COVID-19.. <i>Frontiers in Immunology</i> , 2021 , 12, 732690	8.4	8
568	Genome-wide spatial expression profiling in formalin-fixed tissues. <i>Cell Genomics</i> , 2021 , 1, 100065		4
567	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	17.4	15
566	Stepwise cell fate decision pathways during osteoclastogenesis at single-cell resolution. <i>Nature Metabolism</i> , 2020 , 2, 1382-1390	14.6	10
565	HACE1 Prevents Lung Carcinogenesis via Inhibition of RAC-Family GTPases. <i>Cancer Research</i> , 2020 , 80, 3009-3022	10.1	10

564	Sigma-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	0.9	20
563	Tyrosine pre-transfer RNA fragments are linked to p53-dependent neuronal cell death via PKM2. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 525, 726-732	3.4	8
562	RANKL and OPG and their influence on breast volume changes during pregnancy in healthy women. <i>Scientific Reports</i> , 2020 , 10, 5171	4.9	0
561	Reduced Prenatal Pulmonary Lymphatic Function Is Observed in 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	5.8	6
560	CLP1 acts as the main RNA kinase in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020 ,	3.4	1
559	A synthetic peptide library for benchmarking crosslinking-mass spectrometry search engines for proteins and protein complexes. <i>Nature Communications</i> , 2020 , 11, 742	17.4	31
558	B38-CAP is a bacteria-derived ACE2-like enzyme that suppresses hypertension and cardiac dysfunction. <i>Nature Communications</i> , 2020 , 11, 1058	17.4	32
557	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	14.5	1455
556	Overexpression of apoptosis inducing factor aggravates hypoxic-ischemic brain injury in neonatal mice. <i>Cell Death and Disease</i> , 2020 , 11, 77	9.8	13
555	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. <i>Cell</i> , 2020 , 181, 905-913.e7	56.2	1293
554	Site-specific ubiquitination of the E3 ligase HOIP regulates apoptosis and immune signaling. <i>EMBO Journal</i> , 2020 , 39, e103303	13	3
553	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target 2020 , 46, 586		1
552	Identification of ALK in Thinness. <i>Cell</i> , 2020 , 181, 1246-1262.e22	56.2	21
551	Cytoskeletal disorganization underlies PABPN1-mediated myogenic disability. <i>Scientific Reports</i> , 2020 , 10, 17621	4.9	1
550	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	18.9	108
549	Salmonella-based platform for efficient delivery of functional binding proteins to the cytosol. <i>Communications Biology</i> , 2020 , 3, 342	6.7	5
548	Targeting the RANKL/RANK/OPG Axis for Cancer Therapy. <i>Frontiers in Oncology</i> , 2020 , 10, 1283	5.3	15
547	Sclerostin expression in trabecular bone is downregulated by osteoclasts. <i>Scientific Reports</i> , 2020 , 10, 13751	4.9	5

546	Dual deficiency of angiotensin-converting enzyme-2 and Mas receptor enhances angiotensin II-induced hypertension and hypertensive nephropathy. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 13093-13103	5.6	2
545	Human recombinant soluble ACE2 in severe COVID-19. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1154-1158	39.1	199
544	Fibroblasts as a source of self-antigens for central immune tolerance. <i>Nature Immunology</i> , 2020 , 21, 1172-1180	25	25
543	Map2k7 Haploinsufficiency Induces Brain Imaging Endophenotypes and Behavioral Phenotypes Relevant to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020 , 46, 211-223	1.3	4
542	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	10.1	37
541	AIF-regulated oxidative phosphorylation supports lung cancer development. <i>Cell Research</i> , 2019 , 29, 579-591	24.7	31
540	Derivation and maintenance of mouse haploid embryonic stem cells. <i>Nature Protocols</i> , 2019 , 14, 1991-2018	4	4
539	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	11.5	26
538	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	10.1	15
537	Targeting the MKK7-JNK (Mitogen-Activated Protein Kinase Kinase 7-c-Jun N-Terminal Kinase) Pathway with Covalent Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 2843-2848	8.3	12
536	Apelin inhibition prevents resistance and metastasis associated with anti-angiogenic therapy. <i>EMBO Molecular Medicine</i> , 2019 , 11, e9266	12	45
535	The Airn lncRNA does not require any DNA elements within its locus to silence distant imprinted genes. <i>PLoS Genetics</i> , 2019 , 15, e1008268	6	19
534	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	10.3	3
533	Improved Sensitivity in Low-Input Proteomics Using Micropillar Array-Based Chromatography. <i>Analytical Chemistry</i> , 2019 , 91, 14203-14207	7.8	30
532	HACE1 deficiency leads to structural and functional neurodevelopmental defects. <i>Neurology: Genetics</i> , 2019 , 5, e330	3.8	9
531	The novel lncRNA is pro-neurogenic and mutated in human neurodevelopmental disorders. <i>ELife</i> , 2019 , 8,	8.9	39
530	ANGI-03. PHARMACOLOGICAL TARGETING OF APELIN/APLNR SIGNALING BLUNTS THERAPY RESISTANCE TO VEGFA/VEGFR2 ANTI-ANGIOGENIC TREATMENT IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi30-vi30	1	78
529	The Role of Iron Regulation in Immunometabolism and Immune-Related Disease. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 116	5.6	81

528	Generation of blood vessel organoids from human pluripotent stem cells. <i>Nature Protocols</i> , 2019 , 14, 3082-3100	18.8	58
527	Pulmonary phagocyte-derived NPY controls the pathology of severe influenza virus infection. <i>Nature Microbiology</i> , 2019 , 4, 258-268	26.6	7
526	Human blood vessel organoids as a model of diabetic vasculopathy. <i>Nature</i> , 2019 , 565, 505-510	50.4	277
525	RANK deletion in neuropeptide Y neurones attenuates oestrogen deficiency-related bone loss. <i>Journal of Neuroendocrinology</i> , 2019 , 31, e12687	3.8	1
524	Behavioral phenotyping of calcium channel (CACN) subunit $\alpha_2\delta_2$ knockout mice: Consequences of sensory cross-modal activation. <i>Behavioural Brain Research</i> , 2019 , 364, 393-402	3.4	7
523	Central RANK signalling in NPY neurons alters bone mass in male mice. <i>Neuropeptides</i> , 2018 , 68, 75-83	3.3	4
522	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	10.3	36
521	Functionally Conserved Noncoding Regulators of Cardiomyocyte Proliferation and Regeneration in Mouse and Human. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e001805	5.2	6
520	The CCR4-NOT deadenylase complex controls Atg7-dependent cell death and heart function. <i>Science Signaling</i> , 2018 , 11,	8.8	40
519	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
518	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	6.3	10
517	Predicting functional neuroanatomical maps from fusing brain networks with genetic information. <i>NeuroImage</i> , 2018 , 170, 113-120	7.9	8
516	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	7.3	23
515	Cbl-b deficiency provides protection against UVB-induced skin damage by modulating inflammatory gene signature. <i>Cell Death and Disease</i> , 2018 , 9, 835	9.8	9
514	Afatinib restrains K-RAS-driven lung tumorigenesis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	70
513	RANKL and RANK: From Mammalian Physiology to Cancer Treatment. <i>Trends in Cell Biology</i> , 2018 , 28, 213-223	18.3	46
512	Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) $\alpha_2\delta_2$ knockout mice. <i>Brain Structure and Function</i> , 2018 , 223, 111-130	4	9
511	Unbiased compound-protein interface mapping and prediction of chemoresistance loci through forward genetics in haploid stem cells. <i>Oncotarget</i> , 2018 , 9, 9838-9851	3.3	13

510	The RNA helicase DDX3X is an essential mediator of innate antimicrobial immunity. <i>PLoS Pathogens</i> , 2018 , 14, e1007397	7.6	34
509	The metabolite BH4 controls T cell proliferation in autoimmunity and cancer. <i>Nature</i> , 2018 , 563, 564-568	50.4	103
508	Leukotriene B4 promotes neovascularization and macrophage recruitment in murine wet-type AMD models. <i>JCI Insight</i> , 2018 , 3,	9.9	21
507	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	10.6	19
506	A genome-wide Drosophila epithelial tumorigenesis screen identifies Tetraspanin 29Fb as an evolutionarily conserved suppressor of Ras-driven cancer. <i>PLoS Genetics</i> , 2018 , 14, e1007688	6	9
505	Coupling of bone resorption and formation by RANKL reverse signalling. <i>Nature</i> , 2018 , 561, 195-200	50.4	221
504	Analysis of PNGase F-Resistant N-Glycopeptides Using SugarQb for Proteome Discoverer 2.1 Reveals Cryptic Substrate Specificities. <i>Proteomics</i> , 2018 , 18, e1700436	4.8	13
503	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	2.8	0
502	Identification of subepithelial mesenchymal cells that induce IgA and diversify gut microbiota. <i>Nature Immunology</i> , 2017 , 18, 675-682	19.1	87
501	Molecular definitions of autophagy and related processes. <i>EMBO Journal</i> , 2017 , 36, 1811-1836	13	857
500	ELABELA-APJ axis protects from pressure overload heart failure and angiotensin II-induced cardiac damage. <i>Cardiovascular Research</i> , 2017 , 113, 760-769	9.9	73
499	Apelin Is a Negative Regulator of Angiotensin II-Mediated Adverse Myocardial Remodeling and Dysfunction. <i>Hypertension</i> , 2017 , 70, 1165-1175	8.5	62
498	A reversible haploid mouse embryonic stem cell biobank resource for functional genomics. <i>Nature</i> , 2017 , 550, 114-118	50.4	42
497	Comparative glycoproteomics of stem cells identifies new players in ricin toxicity. <i>Nature</i> , 2017 , 549, 538-542	50.4	71
496	Sigma-1 receptors control immune-driven peripheral opioid analgesia during inflammation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8396-8401	11.5	21
495	The W9 peptide directly stimulates osteoblast differentiation via RANKL signaling. <i>Journal of Oral Biosciences</i> , 2017 , 59, 146-151	2.5	3
494	Age-dependent motor dysfunction due to neuron-specific disruption of stress-activated protein kinase MKK7. <i>Scientific Reports</i> , 2017 , 7, 7348	4.9	13
493	RANK rewires energy homeostasis in lung cancer cells and drives primary lung cancer. <i>Genes and Development</i> , 2017 , 31, 2099-2112	12.6	19

492	Glycogen Synthase Kinase-3 Modulates Cbl-b and Constrains T Cell Activation. <i>Journal of Immunology</i> , 2017 , 199, 4056-4065	5.3	7
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. <i>Psychopharmacology</i> , 2017 , 234, 293-305	4.7	9
490	Frontline Science: Coincidental null mutation of Csf2r1 in a colony of PI3K δ - mice causes alveolar macrophage deficiency and fatal respiratory viral infection. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 367-376	6.5	14
489	LOX Fails to Substitute for RANKL in Osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 434-439	6.3	34
488	A vital sugar code for ricin toxicity. <i>Cell Research</i> , 2017 , 27, 1351-1364	24.7	15
487	Receptor Activator of NF- κ B Orchestrates Activation of Antiviral Memory CD8 α T Cells in the Spleen Marginal Zone. <i>Cell Reports</i> , 2017 , 21, 2515-2527	10.6	18
486	Mapping the mouse Allelome reveals tissue-specific regulation of allelic expression. <i>ELife</i> , 2017 , 6,	8.9	69
485	Aberrant regulation of RANKL/OPG in women at high risk of developing breast cancer. <i>Oncotarget</i> , 2017 , 8, 3811-3825	3.3	31
484	Autophagy suppresses Ras-driven epithelial tumourigenesis by limiting the accumulation of reactive oxygen species. <i>Oncogene</i> , 2017 , 36, 5576-5592	9.2	19
483	ACE2 Deficiency Worsens Epicardial Adipose Tissue Inflammation and Cardiac Dysfunction in Response to Diet-Induced Obesity. <i>Diabetes</i> , 2016 , 65, 85-95	0.9	138
482	The mevalonate pathway regulates primitive streak formation via protein farnesylation. <i>Scientific Reports</i> , 2016 , 6, 37697	4.9	7
481	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1435-1448	15.1	76
480	Inhibition of CBLB protects from lethal <i>Candida albicans</i> sepsis. <i>Nature Medicine</i> , 2016 , 22, 915-23	50.5	66
479	Paul Ehrlich (1854-1915) and His Contributions to the Foundation and Birth of Translational Medicine. <i>Journal of Innate Immunity</i> , 2016 , 8, 111-20	6.9	38
478	RANKL/RANK control Brca1 mutation-. <i>Cell Research</i> , 2016 , 26, 761-74	24.7	96
477	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
476	Functional Recovery of a Human Neonatal Heart After Severe Myocardial Infarction. <i>Circulation Research</i> , 2016 , 118, 216-21	15.7	181
475	A cryoinjury model in neonatal mice for cardiac translational and regeneration research. <i>Nature Protocols</i> , 2016 , 11, 542-52	18.8	30

474	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. <i>Cell</i> , 2016 , 164, 353-64	56.2	121
473	A Genome-Wide siRNA Screen Implicates Spire1/2 in SipA-Driven Salmonella Typhimurium Host Cell Invasion. <i>PLoS ONE</i> , 2016 , 11, e0161965	3.7	14
472	RANK and RANKL of Bones, T Cells, and the Mammary Glands 2016 , 121-142		1
471	CD36/Sirtuin 1 Axis Impairment Contributes to Hepatic Steatosis in ACE2-Deficient Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 6487509	6.7	10
470	The Role of TAM Family Receptors in Immune Cell Function: Implications for Cancer Therapy. <i>Cancers</i> , 2016 , 8,	6.6	63
469	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	3.7	45
468	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016 , 30, 147-160	24.3	285
467	Sucralose Promotes Food Intake through NPY and a Neuronal Fasting Response. <i>Cell Metabolism</i> , 2016 , 24, 75-90	24.6	56
466	Identification of embryonic precursor cells that differentiate into thymic epithelial cells expressing autoimmune regulator. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1441-58	16.6	23
465	RANKL/RANK: from bone loss to the prevention of breast cancer. <i>Open Biology</i> , 2016 , 6,	7	37
464	Effects of ACE2 deficiency on physical performance and physiological adaptations of cardiac and skeletal muscle to exercise. <i>Hypertension Research</i> , 2016 , 39, 506-12	4.7	38
463	LGR4 is a receptor for RANKL and negatively regulates osteoclast differentiation and bone resorption. <i>Nature Medicine</i> , 2016 , 22, 539-46	50.5	198
462	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, 1610-20	4.8	13
461	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. <i>Cell Reports</i> , 2016 , 15, 1481-1492	10.6	24
460	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, C663-72	5.4	31
459	A reproducible protocol for neonatal ischemic injury and cardiac regeneration in neonatal mice. <i>Basic Research in Cardiology</i> , 2016 , 111, 64	11.8	21
458	Mast cells are not associated with systemic insulin resistance. <i>European Journal of Clinical Investigation</i> , 2016 , 46, 911-919	4.6	8
457	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015 , 34, 856-80	13	801

456	The RANKL-RANK Story. <i>Gerontology</i> , 2015 , 61, 534-42	5.5	85
455	Osteoprotegerin protects against muscular dystrophy. <i>American Journal of Pathology</i> , 2015 , 185, 920-6	5.8	32
454	Silencing Nociceptor Neurons Reduces Allergic Airway Inflammation. <i>Neuron</i> , 2015 , 87, 341-54	13.9	203
453	Osteoprotegerin and Denosumab Stimulate Human Beta Cell Proliferation through Inhibition of the Receptor Activator of NF- κ B Ligand Pathway. <i>Cell Metabolism</i> , 2015 , 22, 77-85	24.6	91
452	CHMP5 controls bone turnover rates by dampening NF- κ B activity in osteoclasts. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1283-301	16.6	41
451	Reduction of Neuropathic and Inflammatory Pain through Inhibition of the Tetrahydrobiopterin Pathway. <i>Neuron</i> , 2015 , 86, 1393-406	13.9	76
450	Cationic nanoparticles directly bind angiotensin-converting enzyme 2 and induce acute lung injury in mice. <i>Particle and Fibre Toxicology</i> , 2015 , 12, 4	8.4	33
449	Imprinted expression in cystic embryoid bodies shows an embryonic and not an extra-embryonic pattern. <i>Developmental Biology</i> , 2015 , 402, 291-305	3.1	6
448	The evolutionarily conserved transcription factor PRDM12 controls sensory neuron development and pain perception. <i>Cell Cycle</i> , 2015 , 14, 1799-808	4.7	33
447	Neuregulin stimulation of cardiomyocyte regeneration in mice and human myocardium reveals a therapeutic window. <i>Science Translational Medicine</i> , 2015 , 7, 281ra45	17.5	148
446	KCNJ15/Kir4.2 couples with polyamines to sense weak extracellular electric fields in galvanotaxis. <i>Nature Communications</i> , 2015 , 6, 8532	17.4	56
445	Exploring the emerging complexity in transcriptional regulation of energy homeostasis. <i>Nature Reviews Genetics</i> , 2015 , 16, 665-81	30.1	45
444	G0/G1 Switch Gene 2 Regulates Cardiac Lipolysis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 26141-50	5.4	20
443	RANK Signaling Amplifies WNT-Responsive Mammary Progenitors through R-SPONDIN1. <i>Stem Cell Reports</i> , 2015 , 5, 31-44	8	50
442	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
441	Disruption of STAT3 signalling promotes KRAS-induced lung tumorigenesis. <i>Nature Communications</i> , 2015 , 6, 6285	17.4	95
440	Inhibition of the TNF Family Cytokine RANKL Prevents Autoimmune Inflammation in the Central Nervous System. <i>Immunity</i> , 2015 , 43, 1174-85	32.3	44
439	The histone chaperone CAF-1 safeguards somatic cell identity. <i>Nature</i> , 2015 , 528, 218-24	50.4	183

438	RANKL blockade prevents and treats aggressive osteosarcomas. <i>Science Translational Medicine</i> , 2015 , 7, 317ra197	17.5	53
437	CLP1 as a novel player in linking tRNA splicing to neurodegenerative disorders. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015 , 6, 47-63	9.3	31
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7	A molecularly engineered, broad-spectrum anti-coronavirus lectin inhibits SARS-CoV-2 and MERS-CoV infection in vivo		2

6	IgA autoantibodies target pulmonary surfactant in patients with severe COVID-19	3
5	Comparative proteome signatures of trace samples by multiplexed Data-Independent Acquisition	4
4	Community Evaluation of Glycoproteomics Informatics Solutions Reveals High-Performance Search Strategies of Serum N- and O-Glycopeptide Data	4
3	Structure-guided glyco-engineering of ACE2 for improved potency as soluble SARS-CoV-2 decoy receptor	1
2	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	1
1	Clinical grade ACE2 effectively inhibits SARS-CoV-2 Omicron infections	1