

Simon C Watkins

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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.

604 papers	44,577 citations	108 h-index	183 g-index
628 ext. papers	49,926 ext. citations	6.8 avg, IF	7.1 L-index

#	Paper	IF	Citations
604	Mechanism of transfer of functional microRNAs between mouse dendritic cells via exosomes. <i>Blood</i> , 2012 , 119, 756-66	2.2	945
603	Microbubbles targeted to intercellular adhesion molecule-1 bind to activated coronary artery endothelial cells. <i>Circulation</i> , 1998 , 98, 1-5	16.7	850
602	Skeletal muscle lipid content and insulin resistance: evidence for a paradox in endurance-trained athletes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 5755-61	5.6	821
601	DNA-based immunization by in vivo transfection of dendritic cells. <i>Nature Medicine</i> , 1996 , 2, 1122-8	50.5	767
600	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. <i>Nature Chemical Biology</i> , 2017 , 13, 81-90	11.7	754
599	Endocytosis, intracellular sorting, and processing of exosomes by dendritic cells. <i>Blood</i> , 2004 , 104, 3257-66		730
598	Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. <i>Nature Cell Biology</i> , 2013 , 15, 1197-1205	23.4	597
597	Mesenchymal stem cells use extracellular vesicles to outsource mitophagy and shuttle microRNAs. <i>Nature Communications</i> , 2015 , 6, 8472	17.4	490
596	An autophagy-enhancing drug promotes degradation of mutant alpha1-antitrypsin Z and reduces hepatic fibrosis. <i>Science</i> , 2010 , 329, 229-32	33.3	473
595	Persistent activation of ERK contributes to glutamate-induced oxidative toxicity in a neuronal cell line and primary cortical neuron cultures. <i>Journal of Biological Chemistry</i> , 2000 , 275, 12200-6	5.4	449
594	Nitric oxide protects cultured rat hepatocytes from tumor necrosis factor-alpha-induced apoptosis by inducing heat shock protein 70 expression. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1402-11	5.4	437
593	Immunoelectron microscopic localization of dystrophin in myofibres. <i>Nature</i> , 1988 , 333, 863-6	50.4	427
592	Basal cells are a multipotent progenitor capable of renewing the bronchial epithelium. <i>American Journal of Pathology</i> , 2004 , 164, 577-88	5.8	411
591	Inhibition and role of let-7d in idiopathic pulmonary fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 220-9	10.2	395
590	Regulation of autophagy by extracellular signal-regulated protein kinases during 1-methyl-4-phenylpyridinium-induced cell death. <i>American Journal of Pathology</i> , 2007 , 170, 75-86	5.8	393
589	Localization of dystrophin to postsynaptic regions of central nervous system cortical neurons. <i>Nature</i> , 1990 , 348, 725-8	50.4	384
588	Intramuscular lipid content is increased in obesity and decreased by weight loss. <i>Metabolism: Clinical and Experimental</i> , 2000 , 49, 467-72	12.7	362

587	Enterocyte TLR4 mediates phagocytosis and translocation of bacteria across the intestinal barrier. <i>Journal of Immunology</i> , 2006 , 176, 3070-9	5.3	361
586	Telomerase activation by genomic rearrangements in high-risk neuroblastoma. <i>Nature</i> , 2015 , 526, 700-4	50.4	347
585	CYR61 (CCN1) is essential for placental development and vascular integrity. <i>Molecular and Cellular Biology</i> , 2002 , 22, 8709-20	4.8	342
584	Mitochondrial reactive oxygen species induces NLRP3-dependent lysosomal damage and inflammasome activation. <i>Journal of Immunology</i> , 2013 , 191, 5230-8	5.3	335
583	PEBP1 Wardens Ferroptosis by Enabling Lipoxygenase Generation of Lipid Death Signals. <i>Cell</i> , 2017 , 171, 628-641.e26	56.2	321
582	The Tumor Microenvironment Represses T Cell Mitochondrial Biogenesis to Drive Intratumoral T Cell Metabolic Insufficiency and Dysfunction. <i>Immunity</i> , 2016 , 45, 374-88	32.3	312
581	Caspase-3 mediated neuronal death after traumatic brain injury in rats. <i>Journal of Neurochemistry</i> , 2000 , 74, 740-53	6	308
580	Functional connectivity between immune cells mediated by tunneling nanotubules. <i>Immunity</i> , 2005 , 23, 309-18	32.3	303
579	Sulforaphane-induced cell death in human prostate cancer cells is initiated by reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19911-24	5.4	290
578	NF-B inhibition delays DNA damage-induced senescence and aging in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2601-12	15.9	290
577	Isolation of biologically-active exosomes from human plasma. <i>Journal of Immunological Methods</i> , 2014 , 411, 55-65	2.5	278
576	Innate gender-based proclivity in response to cytotoxicity and programmed cell death pathway. <i>Journal of Biological Chemistry</i> , 2004 , 279, 38563-70	5.4	272
575	Internalization of circulating apoptotic cells by splenic marginal zone dendritic cells: dependence on complement receptors and effect on cytokine production. <i>Blood</i> , 2003 , 101, 611-20	2.2	270
574	Comprehensive gene expression profiles reveal pathways related to the pathogenesis of chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14895-900	11.5	267
573	Exosomes derived from IL-10-treated dendritic cells can suppress inflammation and collagen-induced arthritis. <i>Journal of Immunology</i> , 2005 , 174, 6440-8	5.3	264
572	Dendritic cells acquire antigens from live cells for cross-presentation to CTL. <i>Journal of Immunology</i> , 2001 , 166, 3717-23	5.3	263
571	Somatic reversion/suppression of the mouse mdx phenotype in vivo. <i>Journal of the Neurological Sciences</i> , 1990 , 99, 9-25	3.2	260
570	In vivo differentiation potential of tracheal basal cells: evidence for multipotent and unipotent subpopulations. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004 , 286, L643-9	5.8	259

569	The recruitment of Raf-1 to membranes is mediated by direct interaction with phosphatidic acid and is independent of association with Ras. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23911-8	5.4	256
568	Phospholipase D and its product, phosphatidic acid, mediate agonist-dependent raf-1 translocation to the plasma membrane and the activation of the mitogen-activated protein kinase pathway. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1131-9	5.4	256
567	Targeting nitric oxide (NO) delivery in vivo. Design of a liver-selective NO donor prodrug that blocks tumor necrosis factor-alpha-induced apoptosis and toxicity in the liver. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 1947-54	8.3	253
566	Disabled-2 exhibits the properties of a cargo-selective endocytic clathrin adaptor. <i>EMBO Journal</i> , 2002 , 21, 4915-26	13	248
565	Intra-mitochondrial poly(ADP-ribosylation) contributes to NAD ⁺ depletion and cell death induced by oxidative stress. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18426-33	5.4	241
564	Hsp70 molecular chaperone facilitates endoplasmic reticulum-associated protein degradation of cystic fibrosis transmembrane conductance regulator in yeast. <i>Molecular Biology of the Cell</i> , 2001 , 12, 1303-14	3.5	239
563	IL-18-induced CD83+CCR7+ NK helper cells. <i>Journal of Experimental Medicine</i> , 2005 , 202, 941-53	16.6	231
562	Increases in Bcl-2 and cleavage of caspase-1 and caspase-3 in human brain after head injury. <i>FASEB Journal</i> , 1999 , 13, 813-21	0.9	231
561	Filamin 2 (FLN2): A muscle-specific sarcoglycan interacting protein. <i>Journal of Cell Biology</i> , 2000 , 148, 115-26	7.3	227
560	Autophagy is induced in CD4 ⁺ T cells and important for the growth factor-withdrawal cell death. <i>Journal of Immunology</i> , 2006 , 177, 5163-8	5.3	226
559	The role of inflammatory cytokines and nitric oxide in the pathogenesis of necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 1997 , 32, 275-82	2.6	224
558	Intranuclear localization of apoptosis-inducing factor (AIF) and large scale DNA fragmentation after traumatic brain injury in rats and in neuronal cultures exposed to peroxynitrite. <i>Journal of Neurochemistry</i> , 2002 , 82, 181-91	6	223
557	The globular heads of C1q specifically recognize surface blebs of apoptotic vascular endothelial cells. <i>Journal of Immunology</i> , 2001 , 166, 3231-9	5.3	223
556	Immunolocalization and developmental expression of dystrophin related protein in skeletal muscle. <i>Neuromuscular Disorders</i> , 1991 , 1, 185-94	2.9	221
555	Clinical trial to assess the safety, feasibility, and efficacy of transferring a potentially anti-arthritic cytokine gene to human joints with rheumatoid arthritis. <i>Human Gene Therapy</i> , 1996 , 7, 1261-80	4.8	217
554	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. <i>Immunity</i> , 2018 , 49, 740-753.e7	32.3	217
553	Apoptosis-suppressor gene bcl-2 expression after traumatic brain injury in rats. <i>Journal of Neuroscience</i> , 1997 , 17, 9172-82	6.6	213
552	Prostanoid production via COX-2 as a causative mechanism of rodent postoperative ileus. <i>Gastroenterology</i> , 2001 , 121, 1354-71	13.3	211

551	Hydrogels derived from central nervous system extracellular matrix. <i>Biomaterials</i> , 2013 , 34, 1033-40	15.6	201
550	Efficient inhibition of intimal hyperplasia by adenovirus-mediated inducible nitric oxide synthase gene transfer to rats and pigs in vivo. <i>Journal of the American College of Surgeons</i> , 1998 , 187, 295-306	4.4	198
549	Platelet-derived HMGB1 is a critical mediator of thrombosis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4638-54	15.9	190
548	Carbon monoxide induces cytoprotection in rat orthotopic lung transplantation via anti-inflammatory and anti-apoptotic effects. <i>American Journal of Pathology</i> , 2003 , 163, 231-42	5.8	189
547	Localization of phosphorylated ERK/MAP kinases to mitochondria and autophagosomes in Lewy body diseases. <i>Brain Pathology</i> , 2003 , 13, 473-81	6	184
546	Resolution of anaphase bridges in cancer cells. <i>Chromosoma</i> , 2004 , 112, 389-97	2.8	184
545	Mitochondrial localization and function of heme oxygenase-1 in cigarette smoke-induced cell death. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007 , 36, 409-17	5.7	183
544	Dermal-resident CD14+ cells differentiate into Langerhans cells. <i>Nature Immunology</i> , 2001 , 2, 1151-8	19.1	183
543	p53/HMGB1 complexes regulate autophagy and apoptosis. <i>Cancer Research</i> , 2012 , 72, 1996-2005	10.1	181
542	Cellular content and permeability of intraluminal thrombus in abdominal aortic aneurysm. <i>Journal of Vascular Surgery</i> , 1997 , 25, 916-26	3.5	180
541	Expression of inducible nitric oxide synthase and interleukin-12 in experimental necrotizing enterocolitis. <i>Journal of Surgical Research</i> , 2000 , 92, 71-7	2.5	179
540	Inducible nitric oxide synthase is an endogenous neuroprotectant after traumatic brain injury in rats and mice. <i>Journal of Clinical Investigation</i> , 1999 , 104, 647-56	15.9	179
539	Exosomes as a short-range mechanism to spread alloantigen between dendritic cells during T cell allorecognition. <i>Journal of Immunology</i> , 2008 , 180, 3081-90	5.3	174
538	Oral-resident natural Th17 cells and Γ cells control opportunistic <i>Candida albicans</i> infections. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2075-84	16.6	173
537	Regulation of Sar1 NH2 terminus by GTP binding and hydrolysis promotes membrane deformation to control COPII vesicle fission. <i>Journal of Cell Biology</i> , 2005 , 171, 919-24	7.3	170
536	Aspirin inhibits in vitro maturation and in vivo immunostimulatory function of murine myeloid dendritic cells. <i>Journal of Immunology</i> , 2001 , 166, 7053-62	5.3	167
535	Gene transfer to human joints: progress toward a gene therapy of arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8698-703	11.5	163
534	Donor dendritic cell-derived exosomes promote allograft-targeting immune response. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2805-20	15.9	159

533	DC-SIGN is a receptor for human herpesvirus 8 on dendritic cells and macrophages. <i>Journal of Immunology</i> , 2006 , 176, 1741-9	5.3	157
532	Impaired wound healing and angiogenesis in eNOS-deficient mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H1600-8	5.2	157
531	Starving neurons show sex difference in autophagy. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2383-96	5.4	154
530	A role for class A scavenger receptor in dendritic cell nibbling from live cells. <i>Journal of Immunology</i> , 2003 , 170, 2302-9	5.3	150
529	Disruption of muscle membrane and phenotype divergence in two novel mouse models of dysferlin deficiency. <i>Human Molecular Genetics</i> , 2004 , 13, 1999-2010	5.6	148
528	Neuronal peptide release is limited by secretory granule mobility. <i>Neuron</i> , 1997 , 19, 1095-102	13.9	147
527	The autosomal recessive hypercholesterolemia (ARH) protein interfaces directly with the clathrin-coat machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16099-104	11.5	147
526	Impaired clearance and enhanced pulmonary inflammatory/fibrotic response to carbon nanotubes in myeloperoxidase-deficient mice. <i>PLoS ONE</i> , 2012 , 7, e30923	3.7	145
525	Inducible nitric oxide synthase expression in cerebrovascular smooth muscle and neutrophils after traumatic brain injury in immature rats. <i>Pediatric Research</i> , 1996 , 39, 784-90	3.2	143
524	Fatty acid synthase is up-regulated during hepatitis C virus infection and regulates hepatitis C virus entry and production. <i>Hepatology</i> , 2008 , 48, 1396-403	11.2	138
523	Maturation and trafficking of monocyte-derived dendritic cells in monkeys: implications for dendritic cell-based vaccines. <i>Journal of Immunology</i> , 2000 , 164, 2487-95	5.3	138
522	Lipopolysaccharide clearance, bacterial clearance, and systemic inflammatory responses are regulated by cell type-specific functions of TLR4 during sepsis. <i>Journal of Immunology</i> , 2013 , 190, 5152-60	5.3	136
521	4-1BB costimulation induces T cell mitochondrial function and biogenesis enabling cancer immunotherapeutic responses. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1091-1100	16.6	134
520	Testosterone activates mitogen-activated protein kinase via Src kinase and the epidermal growth factor receptor in sertoli cells. <i>Endocrinology</i> , 2007 , 148, 2066-74	4.8	134
519	Autophagy is increased after traumatic brain injury in mice and is partially inhibited by the antioxidant gamma-glutamylcysteinyl ethyl ester. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 540-50	7.3	133
518	Epsin 1 is a polyubiquitin-selective clathrin-associated sorting protein. <i>Traffic</i> , 2006 , 7, 262-81	5.7	133
517	Std1 and Mth1 proteins interact with the glucose sensors to control glucose-regulated gene expression in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1999 , 19, 4561-71	4.8	133
516	Sinusoidal ultrastructure evaluated during the revascularization of regenerating rat liver. <i>Hepatology</i> , 2001 , 33, 363-78	11.2	132

515	The mechanism of unresponsiveness to circulating tumor antigen MUC1 is a block in intracellular sorting and processing by dendritic cells. <i>Journal of Immunology</i> , 2000 , 165, 3730-41	5.3	132
514	An intracellular serpin regulates necrosis by inhibiting the induction and sequelae of lysosomal injury. <i>Cell</i> , 2007 , 130, 1108-19	56.2	130
513	Memory CD4(+) T cells are the earliest detectable human immunodeficiency virus type 1 (HIV-1)-infected cells in the female genital mucosal tissue during HIV-1 transmission in an organ culture system. <i>Journal of Virology</i> , 2002 , 76, 9868-76	6.6	130
512	Mitochondrial hyperfusion induced by loss of the fission protein Drp1 causes ATM-dependent G2/M arrest and aneuploidy through DNA replication stress. <i>Journal of Cell Science</i> , 2012 , 125, 5745-57	5.3	129
511	STING contributes to antiglioma immunity via triggering type I IFN signals in the tumor microenvironment. <i>Cancer Immunology Research</i> , 2014 , 2, 1199-208	12.5	128
510	Biophysical insight into mechanisms of sonoporation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9983-8	11.5	127
509	Spatiotemporal expression of angiogenesis growth factor receptors during the revascularization of regenerating rat liver. <i>Hepatology</i> , 2001 , 34, 1135-48	11.2	126
508	Transforming growth factor beta blocks Tec kinase phosphorylation, Ca ²⁺ influx, and NFATc translocation causing inhibition of T cell differentiation. <i>Journal of Experimental Medicine</i> , 2003 , 197, 1689-99	16.6	122
507	A theoretical and non-destructive experimental approach for direct inclusion of measured collagen orientation and recruitment into mechanical models of the artery wall. <i>Journal of Biomechanics</i> , 2012 , 45, 762-71	2.9	121
506	Nitric oxide and ionizing radiation synergistically promote apoptosis and growth inhibition of cancer by activating p53. <i>Cancer Research</i> , 2004 , 64, 8015-21	10.1	120
505	Inducible expression of keratinocyte growth factor (KGF) in mice inhibits lung epithelial cell death induced by hyperoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6098-103	11.5	118
504	The engineering of organized human corneal tissue through the spatial guidance of corneal stromal stem cells. <i>Biomaterials</i> , 2012 , 33, 1343-52	15.6	115
503	Autophagy is increased in mice after traumatic brain injury and is detectable in human brain after trauma and critical illness. <i>Autophagy</i> , 2008 , 4, 88-90	10.2	115
502	Efficiency of protein transduction is cell type-dependent and is enhanced by dextran sulfate. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30208-18	5.4	115
501	Sunitinib facilitates the activation and recruitment of therapeutic anti-tumor immunity in concert with specific vaccination. <i>International Journal of Cancer</i> , 2011 , 129, 2158-70	7.5	112
500	A single common portal for clathrin-mediated endocytosis of distinct cargo governed by cargo-selective adaptors. <i>Molecular Biology of the Cell</i> , 2006 , 17, 4300-17	3.5	110
499	The IL-33/ST2 axis augments effector T-cell responses during acute GVHD. <i>Blood</i> , 2015 , 125, 3183-92	2.2	108
498	Differential effects of nonselective nitric oxide synthase (NOS) and selective inducible NOS inhibition on hepatic necrosis, apoptosis, ICAM-1 expression, and neutrophil accumulation during endotoxemia. <i>Nitric Oxide - Biology and Chemistry</i> , 1997 , 1, 404-16	5	108

497	Distinct Golgi populations of phosphatidylinositol 4-phosphate regulated by phosphatidylinositol 4-kinases. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10501-8	5.4	108
496	The complex genetics of hypoplastic left heart syndrome. <i>Nature Genetics</i> , 2017 , 49, 1152-1159	36.3	107
495	Downregulation of endothelin-1 by farnesoid X receptor in vascular endothelial cells. <i>Circulation Research</i> , 2006 , 98, 192-9	15.7	107
494	Necrotic cell death in response to oxidant stress involves the activation of the apoptogenic caspase-8/bid pathway. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29184-91	5.4	107
493	Targeted and Persistent 8-Oxoguanine Base Damage at Telomeres Promotes Telomere Loss and Crisis. <i>Molecular Cell</i> , 2019 , 75, 117-130.e6	17.6	106
492	Conjugated linoleic acid is a preferential substrate for fatty acid nitration. <i>Journal of Biological Chemistry</i> , 2012 , 287, 44071-82	5.4	106
491	Morphogenetic events in mixed cultures of rat hepatocytes and nonparenchymal cells maintained in biological matrices in the presence of hepatocyte growth factor and epidermal growth factor. <i>Hepatology</i> , 1999 , 29, 90-100	11.2	106
490	Gene transfer of manganese superoxide dismutase extends islet graft function in a mouse model of autoimmune diabetes. <i>Diabetes</i> , 2003 , 52, 387-93	0.9	105
489	Streptolysin O clearance through sequestration into blebs that bud passively from the plasma membrane. <i>Journal of Cell Science</i> , 2011 , 124, 2414-23	5.3	104
488	Overexpression of tumor necrosis factor- alpha activates both anti- and pro-apoptotic pathways in the myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 1331-44	5.8	104
487	Inducible nitric oxide synthase (iNOS) expression upregulates p21 and inhibits vascular smooth muscle cell proliferation through p42/44 mitogen-activated protein kinase activation and independent of p53 and cyclic guanosine monophosphate. <i>Journal of Vascular Surgery</i> , 2000 , 31, 1214-28	3.5	103
486	Lung macrophages "digest" carbon nanotubes using a superoxide/peroxynitrite oxidative pathway. <i>ACS Nano</i> , 2014 , 8, 5610-21	16.7	102
485	Widespread and stable pancreatic gene transfer by adeno-associated virus vectors via different routes. <i>Diabetes</i> , 2006 , 55, 875-84	0.9	102
484	Peroxisomal localization of inducible nitric oxide synthase in hepatocytes. <i>Hepatology</i> , 2002 , 36, 81-93	11.2	102
483	Human tumor-derived exosomes (TEX) regulate Treg functions via cell surface signaling rather than uptake mechanisms. <i>Onc Immunology</i> , 2017 , 6, e1261243	7.2	101
482	Lyophilization of cationic lipid-protamine-DNA (LPD) complexes. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 355-64	3.9	100
481	Elevated levels of hepatocyte nuclear factor 3beta in mouse hepatocytes influence expression of genes involved in bile acid and glucose homeostasis. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8264-82	4.8	98
480	bcl-2 Antisense treatment prevents induction of tolerance to focal ischemia in the rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 233-43	7.3	97

479	Quantitative biochemical and ultrastructural comparison of mitochondrial permeability transition in isolated brain and liver mitochondria: evidence for reduced sensitivity of brain mitochondria. <i>Experimental Neurology</i> , 2000 , 164, 415-25	5.7	96
478	Changes induced by physical activity and weight loss in the morphology of intermyofibrillar mitochondria in obese men and women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3224-7	5.6	94
477	High mobility group box I (HMGB1) release from tumor cells after treatment: implications for development of targeted chemoimmunotherapy. <i>Journal of Immunotherapy</i> , 2007 , 30, 596-606	5	94
476	Generation of FGF reporter transgenic zebrafish and their utility in chemical screens. <i>BMC Developmental Biology</i> , 2007 , 7, 62	3.1	93
475	Phosphatidylinositol 4-phosphate formation at ER exit sites regulates ER export. <i>Developmental Cell</i> , 2006 , 11, 671-82	10.2	93
474	Development of Approaches to Improve the Healing Following Muscle Contusion. <i>Cell Transplantation</i> , 1998 , 7, 585-598	4	93
473	A genetically targetable near-infrared photosensitizer. <i>Nature Methods</i> , 2016 , 13, 263-8	21.6	92
472	Personalized exposure assessment: promising approaches for human environmental health research. <i>Environmental Health Perspectives</i> , 2005 , 113, 840-8	8.4	92
471	Dynamics of dendritic cell phenotype and interactions with CD4+ T cells in airway inflammation and tolerance. <i>Journal of Immunology</i> , 2005 , 174, 854-63	5.3	92
470	Identification of poly-ADP-ribosylated mitochondrial proteins after traumatic brain injury. <i>Journal of Neurochemistry</i> , 2008 , 104, 1700-11	6	91
469	Epidermal growth factor receptor-transfected bone marrow stromal cells exhibit enhanced migratory response and therapeutic potential against murine brain tumors. <i>Cancer Gene Therapy</i> , 2005 , 12, 757-68	5.4	91
468	The roles of iNOS in liver ischemia-reperfusion injury. <i>Shock</i> , 2001 , 16, 355-60	3.4	90
467	Cholesterol-dependent cytolysins induce rapid release of mature IL-1beta from murine macrophages in a NLRP3 inflammasome and cathepsin B-dependent manner. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 1227-38	6.5	89
466	Spatial localization of m-calpain to the plasma membrane by phosphoinositide biphosphate binding during epidermal growth factor receptor-mediated activation. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5481-96	4.8	89
465	Vascular Gene Transfer of the Human Inducible Nitric Oxide Synthase: Characterization of Activity and Effects on Myointimal Hyperplasia. <i>Molecular Medicine</i> , 1996 , 2, 211-225	6.2	89
464	Mechanisms of endotoxin-induced NO, IL-6, and TNF-alpha production in activated rat hepatic stellate cells: role of p38 MAPK. <i>Hepatology</i> , 2006 , 44, 389-98	11.2	88
463	Correlation of the tight junction-like distribution of Claudin-1 to the cellular tropism of hepatitis C virus. <i>Journal of Biological Chemistry</i> , 2008 , 283, 8643-53	5.4	86
462	DC-SIGN on B lymphocytes is required for transmission of HIV-1 to T lymphocytes. <i>PLoS Pathogens</i> , 2006 , 2, e70	7.6	86

461	AMPK agonists ameliorate sodium and fluid transport and inflammation in cystic fibrosis airway epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010 , 42, 676-84	5.7	85
460	Delivery of a cyclic adenosine 3',5'-monophosphate response element-binding protein (creb) mutant to seminiferous tubules results in impaired spermatogenesis. <i>Endocrinology</i> , 2001 , 142, 948-54	4.8	85
459	Gene expression profiling of target genes in ventilator-induced lung injury. <i>Physiological Genomics</i> , 2006 , 26, 68-75	3.6	84
458	The insulin secretory granule is the major site of K(ATP) channels of the endocrine pancreas. <i>Diabetes</i> , 2003 , 52, 767-76	0.9	84
457	Liver-derived DEC205+B220+CD19- dendritic cells regulate T cell responses. <i>Journal of Immunology</i> , 2001 , 166, 7042-52	5.3	84
456	Depletion of pulmonary EC-SOD after exposure to hyperoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002 , 283, L777-84	5.8	82
455	Expression and localization of human lysozyme in the endosperm of transgenic rice. <i>Planta</i> , 2003 , 216, 597-603	4.7	82
454	Effective immunotherapy against murine gliomas using type 1 polarizing dendritic cells--significant roles of CXCL10. <i>Cancer Research</i> , 2009 , 69, 1587-95	10.1	81
453	Amelioration of laminin-alpha2-deficient congenital muscular dystrophy by somatic gene transfer of miniagrin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11999-2004	11.5	79
452	MUC1 and other sialoglycoconjugates inhibit adenovirus-mediated gene transfer to epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997 , 17, 422-35	5.7	78
451	Onzin, a c-Myc-repressed target, promotes survival and transformation by modulating the Akt-Mdm2-p53 pathway. <i>Oncogene</i> , 2005 , 24, 7524-41	9.2	78
450	Tumor & other immune targets: dendritic cells. <i>Journal of Leukocyte Biology</i> , 1999 , 66, 336-44	6.5	78
449	Differential capability of human cutaneous dendritic cell subsets to initiate Th17 responses. <i>Journal of Immunology</i> , 2009 , 182, 921-33	5.3	77
448	Guidance of engineered tissue collagen orientation by large-scale scaffold microstructures. <i>Journal of Biomechanics</i> , 2006 , 39, 1819-31	2.9	77
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446	Inhibition of nitric oxide synthase during hemorrhagic shock increases hepatic injury. <i>Shock</i> , 1995 , 4, 332-34	3.4	75
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