

# Simon C Watkins

## 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.

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	Mitochondrial dysfunction associated with TANGO2 deficiency.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3045	4.9	1
603	Infiltration of inflammatory macrophages and neutrophils and widespread pyroptosis in lung drive influenza lethality in nonhuman primates.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010395	7.6	0
602	Intestinal Radiation Protection and Mitigation by Second-Generation Probiotic <i>Lactobacillus-reuteri</i> Engineered to Deliver Interleukin-22. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5616	6.3	1
601	Ionizing irradiation-induced Fgr in senescent cells mediates fibrosis. <i>Cell Death Discovery</i> , <b>2021</b> , 7, 349	6.9	0
600	Graft-derived extracellular vesicles transported across subcapsular sinus macrophages elicit B cell alloimmunity after transplantation. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	6
599	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIB-SIMS). <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11784-11788	16.4	10
598	Direct Mapping of Phospholipid Ferroptotic Death Signals in Cells and Tissues by Gas Cluster Ion Beam Secondary Ion Mass Spectrometry (GCIB-SIMS). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11890-11894	3.6	0
597	Mechanism of p38 MAPK-induced EGFR endocytosis and its crosstalk with ligand-induced pathways. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	3
596	Involvement of CASP9 (caspase 9) in IGF2R/CI-MPR endosomal transport. <i>Autophagy</i> , <b>2021</b> , 17, 1393-1408	10.2	4
595	Lower Respiratory Tract Myeloid Cells Harbor SARS-Cov-2 and Display an Inflammatory Phenotype. <i>Chest</i> , <b>2021</b> , 159, 963-966	5.3	4
594	Direct coupling of oligomerization and oligomerization-driven endocytosis of the dopamine transporter to its conformational mechanics and activity. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100430	5.4	2
593	Zebrafish heart regenerates after chemoptogenetic cardiomyocyte depletion. <i>Developmental Dynamics</i> , <b>2021</b> , 250, 986-1000	2.9	3
592	Compensatory hepatic adaptation accompanies permanent absence of intrahepatic biliary network due to YAP1 loss in liver progenitors. <i>Cell Reports</i> , <b>2021</b> , 36, 109310	10.6	3
591	SARS-CoV-2 Viremia is Associated with COVID-19 Severity and Predicts Clinical Outcomes. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	20
590	EGFR-RAS-MAPK signaling is confined to the plasma membrane and associated endorecycling protrusions. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	1
589	Anti-recombination function of MutS $\beta$ restricts telomere extension by ALT-associated homology-directed repair. <i>Cell Reports</i> , <b>2021</b> , 37, 110088	10.6	4
588	3D-Reconstruction of the human conventional outflow system by ribbon scanning confocal microscopy. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232833	3.7	1

587	PEBP1 acts as a rheostat between prosurvival autophagy and ferroptotic death in asthmatic epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14376-14385	11.5	27
586	Neurokinin-1 Receptor Signaling Is Required for Efficient Ca Flux in T-Cell-Receptor-Activated T Cells. <i>Cell Reports</i> , <b>2020</b> , 30, 3448-3465.e8	10.6	11
585	Single molecule analysis reveals monomeric XPA bends DNA and undergoes episodic linear diffusion during damage search. <i>Nature Communications</i> , <b>2020</b> , 11, 1356	17.4	8
584	Fluorogenic Probe Using a MislowEvans Rearrangement for Real-Time Imaging of Hydrogen Peroxide. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17588-17594	3.6	0
583	Fluorogenic Probe Using a Mislow-Evans Rearrangement for Real-Time Imaging of Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17435-17441	16.4	16
582	Transendothelial Perforations and the Sphere of Influence of Single-Site Sonoporation. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 1686-1697	3.5	2
581	Ferroptotic agent-induced endoplasmic reticulum stress response plays a pivotal role in the autophagic process outcome. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 6767-6778	7	14
580	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , <b>2020</b> , 6, eaay9572	14.3	20
579	Reciprocal immune enhancement of dengue and Zika virus infection in human skin. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	10
578	Intravascular hemolysis triggers ADP-mediated generation of platelet-rich thrombi in precapillary pulmonary arterioles. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	3
577	Purine nucleoside phosphorylase inhibition ameliorates age-associated lower urinary tract dysfunctions. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	4
576	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000981	9.7	8
575	Chemoptogenetic ablation of neuronal mitochondria in vivo with spatiotemporal precision and controllable severity. <i>ELife</i> , <b>2020</b> , 9,	8.9	10
574	Second-generation Probiotics Producing IL-22 Increase Survival of Mice After Total Body Irradiation. <i>In Vivo</i> , <b>2020</b> , 34, 39-50	2.3	7
573	The role of lipocalin-2 in age-related macular degeneration (AMD). <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 835-851	10.3	10
572	βSynuclein amplifies cytoplasmic peroxide flux and oxidative stress provoked by mitochondrial inhibitors in CNS dopaminergic neurons in vivo. <i>Redox Biology</i> , <b>2020</b> , 37, 101695	11.3	12
571	Regulation of ALT-associated homology-directed repair by polyADP-ribosylation. <i>Nature Structural and Molecular Biology</i> , <b>2020</b> , 27, 1152-1164	17.6	14
570	Nrf2 deficiency in mice attenuates erythropoietic stress-related macrophage hypercellularity. <i>Experimental Hematology</i> , <b>2020</b> , 84, 19-28.e4	3.1	4

569	Autocrine C-peptide protects INS1 $\beta$ cells against palmitic acid-induced oxidative stress in peroxisomes by inducing catalase. <i>Endocrinology, Diabetes and Metabolism</i> , <b>2020</b> , 3, e00147	2.7	4
568	Live-cell imaging and analysis reveal cell phenotypic transition dynamics inherently missing in snapshot data. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	11
567	Antigen-dependent interactions between regulatory B cells and T cells at the T:B border inhibit subsequent T cell interactions with DCs. <i>American Journal of Transplantation</i> , <b>2020</b> , 20, 52-63	8.7	19
566	Platelet Extracellular Vesicles Drive Inflammasome-IL-1 $\beta$ -Dependent Lung Injury in Sickle Cell Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 33-46	10.2	33
565	P-selectin-deficient mice to study pathophysiology of sickle cell disease. <i>Blood Advances</i> , <b>2020</b> , 4, 266-273	3.8	14
564	PolyQ-independent toxicity associated with novel translational products from CAG repeat expansions. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227464	3.7	4
563	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses <b>2020</b> , 18, e3000981		
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558	Acetylation-mediated remodeling of the nucleolus regulates cellular acetyl-CoA responses <b>2020</b> , 18, e3000981		
557	Chemoptogenetic damage to mitochondria causes rapid telomere dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18435-18444	11.5	58
556	Neutrophils homing into the retina trigger pathology in early age-related macular degeneration. <i>Communications Biology</i> , <b>2019</b> , 2, 348	6.7	15
555	Withaferin A-mediated apoptosis in breast cancer cells is associated with alterations in mitochondrial dynamics. <i>Mitochondrion</i> , <b>2019</b> , 47, 282-293	4.9	24
554	Secondary-Ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3156-3161	16.4	35
553	Secondary-Ion Mass Spectrometry Images Cardiolipins and Phosphatidylethanolamines at the Subcellular Level. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3188-3193	3.6	19
552	The Lysophosphatidylcholine Transporter MFSD2A Is Essential for CD8 Memory T Cell Maintenance and Secondary Response to Infection. <i>Journal of Immunology</i> , <b>2019</b> , 203, 117-126	5.3	12

551	An ATR and CHK1 kinase signaling mechanism that limits origin firing during unperturbed DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13374-13383	11.5	53
550	Mitochondrial fatty acid oxidation and the electron transport chain comprise a multifunctional mitochondrial protein complex. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 12380-12391	5.4	36
549	Massive volumetric imaging of cleared tissue: The necessary tools to be successful. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2019</b> , 112, 76-78	5.6	5
548	Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 57-81	6.5	22
547	Targeted and Persistent 8-Oxoguanine Base Damage at Telomeres Promotes Telomere Loss and Crisis. <i>Molecular Cell</i> , <b>2019</b> , 75, 117-130.e6	17.6	106
546	Learn to segment single cells with deep distance estimator and deep cell detector. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 108, 133-141	7	32
545	Amelioration of Amyotrophic Lateral Sclerosis in SOD1 Mice by M Microglia from Transplanted Marrow. <i>In Vivo</i> , <b>2019</b> , 33, 675-688	2.3	3
544	Enhancing regeneration after acute kidney injury by promoting cellular dedifferentiation in zebrafish. <i>DMM Disease Models and Mechanisms</i> , <b>2019</b> , 12,	4.1	9
543	CA Mutation N57A Has Distinct Strain-Specific HIV-1 Capsid Uncoating and Infectivity Phenotypes. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	6
542	Ptp4E regulates vesicular packaging for monoamine-neuropeptide co-transmission. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	4
541	Targeting the Temporal Dynamics of Hypoxia-Induced Tumor-Secreted Factors Halts Tumor Migration. <i>Cancer Research</i> , <b>2019</b> , 79, 2962-2977	10.1	9
540	Evolutionary rate covariation analysis of E-cadherin identifies Raskol as a regulator of cell adhesion and actin dynamics in Drosophila. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1007720	6	10
539	Modeling Herpes Simplex Virus 1 Infections in Human Central Nervous System Neuronal Cells Using Two- and Three-Dimensional Cultures Derived from Induced Pluripotent Stem Cells. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	44
538	RAD51AP1 Is an Essential Mediator of Alternative Lengthening of Telomeres. <i>Molecular Cell</i> , <b>2019</b> , 76, 11-26.e7	17.6	20
537	Damage sensor role of UV-DDB during base excision repair. <i>Nature Structural and Molecular Biology</i> , <b>2019</b> , 26, 695-703	17.6	37
536	Generation of endogenous pH-sensitive EGF receptor and its application in high-throughput screening for proteins involved in clathrin-mediated endocytosis. <i>ELife</i> , <b>2019</b> , 8,	8.9	5
535	Localization dynamics of endogenous fluorescently labeled RAF1 in EGF-stimulated cells. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 506-523	3.5	2
534	The N-cadherin interactome in primary cardiomyocytes as defined using quantitative proximity proteomics. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	21

533	The Role of Dendritic Brain-Derived Neurotrophic Factor Transcripts on Altered Inhibitory Circuitry in Depression. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 517-526	7.9	29
532	Cerebral microcirculatory alterations and the no-reflow phenomenon in vivo after experimental pediatric cardiac arrest. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2019</b> , 39, 913-925	7.3	8
531	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. <i>Redox Biology</i> , <b>2018</b> , 17, 259-273	11.3	60
530	Lysosome enlargement during inhibition of the lipid kinase PIKfyve proceeds through lysosome coalescence. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	58
529	Truncated CPSF6 Forms Higher-Order Complexes That Bind and Disrupt HIV-1 Capsid. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	25
528	Traumatic injury induces stress granule formation and enhances motor dysfunctions in ALS/FTD models. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 1366-1381	5.6	50
527	Interplay between Keratinocytes and Myeloid Cells Drives Dengue Virus Spread in Human Skin. <i>Journal of Investigative Dermatology</i> , <b>2018</b> , 138, 618-626	4.3	24
526	Genetically Targeted Ratiometric and Activated pH Indicator Complexes (TRApHIC) for Receptor Trafficking. <i>Biochemistry</i> , <b>2018</b> , 57, 861-871	3.2	20
525	4-1BB costimulation induces T cell mitochondrial function and biogenesis enabling cancer immunotherapeutic responses. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1091-1100	16.6	134
524	Dual catenin loss in murine liver causes tight junctional deregulation and progressive intrahepatic cholestasis. <i>Hepatology</i> , <b>2018</b> , 67, 2320-2337	11.2	30
523	Layer-dependent role of collagen recruitment during loading of the rat bladder wall. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2018</b> , 17, 403-417	3.8	19
522	"Only a Life Lived for Others Is Worth Living": Redox Signaling by Oxygenated Phospholipids in Cell Fate Decisions. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 1333-1358	8.4	20
521	Selective knockout of astrocytic Na <sup>+</sup> /H exchanger isoform 1 reduces astrogliosis, BBB damage, infarction, and improves neurological function after ischemic stroke. <i>Glia</i> , <b>2018</b> , 66, 126-144	9	51
520	A zebrafish model of infection-associated acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F291-F299	4.3	14
519	High-Resolution, Three-Dimensional Reconstruction of the Outflow Tract Demonstrates Segmental Differences in Cleared Eyes <b>2018</b> , 59, 2371-2380		22
518	A High-Content Screen Reveals New Small-Molecule Enhancers of Ras/Mapk Signaling as Probes for Zebrafish Heart Development. <i>Molecules</i> , <b>2018</b> , 23,	4.8	7
517	Compensatory increases of select proteostasis networks after Hsp70 inhibition in cancer cells. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	13
516	Vertebrate myosin <sup>1d</sup> regulates left-right organizer morphogenesis and laterality. <i>Nature Communications</i> , <b>2018</b> , 9, 3381	17.4	12

515	Pathway crosstalk enables cells to interpret TGF- $\beta$ duration. <i>Npj Systems Biology and Applications</i> , <b>2018</b> , 4, 18	5	12
514	Development of novel NEMO-binding domain mimetics for inhibiting IKK/NF- $\kappa$ B activation. <i>PLoS Biology</i> , <b>2018</b> , 16, e2004663	9.7	22
513	Monomer sequence in PLGA microparticles: Effects on acidic microclimates and in vivo inflammatory response. <i>Acta Biomaterialia</i> , <b>2018</b> , 65, 259-271	10.8	35
512	Therapeutic reduction of cell-mediated immunosuppression in mycosis fungoides and S $\ddot{a}$ ry syndrome. <i>Cancer Immunology, Immunotherapy</i> , <b>2018</b> , 67, 423-434	7.4	14
511	14-3-3 $\zeta$ sequesters cytosolic T-bet, upregulating IL-13 levels in T2 and CD8 lymphocytes from patients with scleroderma. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 109-119.e6	11.5	11
510	R430: A potent inhibitor of DNA and RNA viruses. <i>Scientific Reports</i> , <b>2018</b> , 8, 16662	4.9	7
509	Air-Liquid Interface Method To Study Epstein-Barr Virus Pathogenesis in Nasopharyngeal Epithelial Cells. <i>MSphere</i> , <b>2018</b> , 3,	5	14
508	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. <i>Immunity</i> , <b>2018</b> , 49, 740-753.e7	32.3	217
507	Dysregulated Bile Transporters and Impaired Tight Junctions During Chronic Liver Injury in Mice. <i>Gastroenterology</i> , <b>2018</b> , 155, 1218-1232.e24	13.3	34
506	Synthesis and Evaluation of a Mitochondria-Targeting Poly(ADP-ribose) Polymerase-1 Inhibitor. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2868-2879	4.9	12
505	<i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 4639-4653	15.9	71
504	Small molecule induced oligomerization, clustering and clathrin-independent endocytosis of the dopamine transporter. <i>ELife</i> , <b>2018</b> , 7,	8.9	18
503	Light sheet imaging comes of age. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 1567-1569	7.3	4
502	Affibody-targeted fluorogen activating protein for in vivo tumor imaging. <i>Chemical Communications</i> , <b>2017</b> , 53, 2001-2004	5.8	24
501	The mito-DAMP cardiolipin blocks IL-10 production causing persistent inflammation during bacterial pneumonia. <i>Nature Communications</i> , <b>2017</b> , 8, 13944	17.4	69
500	Paclitaxel-induced increase in mitochondrial volume mediates dysregulation of intracellular Ca in putative nociceptive glabrous skin neurons from the rat. <i>Cell Calcium</i> , <b>2017</b> , 62, 16-28	4	17
499	Epinephrine promotes COX-2-dependent immune suppression in myeloid cells and cancer tissues. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 62, 78-86	16.6	24
498	Inducible turnover of optineurin regulates T cell activation. <i>Molecular Immunology</i> , <b>2017</b> , 85, 9-17	4.3	5



497	Tumor-Derived Fetoprotein Directly Drives Human Natural Killer-Cell Activation and Subsequent Cell Death. <i>Cancer Immunology Research</i> , <b>2017</b> , 5, 493-502	12.5	12
496	Tbet and IL-36 cooperate in therapeutic DC-mediated promotion of ectopic lymphoid organogenesis in the tumor microenvironment. <i>Oncolmunology</i> , <b>2017</b> , 6, e1322238	7.2	37
495	The complex genetics of hypoplastic left heart syndrome. <i>Nature Genetics</i> , <b>2017</b> , 49, 1152-1159	36.3	107
494	HSPs drive dichotomous T-cell immune responses via DNA methylome remodelling in antigen presenting cells. <i>Nature Communications</i> , <b>2017</b> , 8, 15648	17.4	13
493	Correlative Fluorescence and Electron Microscopy in 3D-Scanning Electron Microscope Perspective. <i>Current Protocols in Cytometry</i> , <b>2017</b> , 80, 12.45.1-12.45.15	3.6	1
492	CD47 and Nox1 Mediate Dynamic Fluid-Phase Macropinocytosis of Native LDL. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 26, 886-901	8.4	19
491	A versatile optical tool for studying synaptic GABA receptor trafficking. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 3933-3945	5.3	11
490	PEBP1 Wardens Ferroptosis by Enabling Lipoxygenase Generation of Lipid Death Signals. <i>Cell</i> , <b>2017</b> , 171, 628-641.e26	56.2	321
489	Ribbon scanning confocal for high-speed high-resolution volume imaging of brain. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180486	3.7	23
488	PARP1 changes from three-dimensional DNA damage searching to one-dimensional diffusion after auto-PARylation or in the presence of APE1. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 12834-12847	20.1	53
487	Influence of the Novel ATP-Competitive Dual mTORC1/2 Inhibitor AZD2014 on Immune Cell Populations and Heart Allograft Rejection. <i>Transplantation</i> , <b>2017</b> , 101, 2830-2840	1.8	11
486	Mechanistic Insight into Sonoporation with Ultrasound-Stimulated Polymer Microbubbles. <i>Ultrasound in Medicine and Biology</i> , <b>2017</b> , 43, 2678-2689	3.5	21
485	Interferon-Inducible CD169/Siglec1 Attenuates Anti-HIV-1 Effects of Alpha Interferon. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	24
484	C-C Chemokine Receptor Type 5 (CCR5)-Mediated Docking of Transferred Tregs Protects Against Early Blood-Brain Barrier Disruption After Stroke. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	43
483	Human tumor-derived exosomes (TEX) regulate Treg functions via cell surface signaling rather than uptake mechanisms. <i>Oncolmunology</i> , <b>2017</b> , 6, e1261243	7.2	101
482	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 81-90	11.7	754
481	Nuclear localized C9orf72-associated arginine-containing dipeptides exhibit age-dependent toxicity in <i>C. elegans</i> . <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 4916-4928	5.6	19
480	EGF receptor signaling, phosphorylation, ubiquitylation and endocytosis in tumors in vivo. <i>ELife</i> , <b>2017</b> , 6,	8.9	44



479	Simple image-based no-wash method for quantitative detection of surface expressed CFTR. <i>Methods</i> , <b>2016</b> , 96, 40-45	4.6	12
478	Biophysical insight into mechanisms of sonoporation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9983-8	11.5	127
477	Proteomic Profiling Reveals a Specific Role for Translesion DNA Polymerase $\eta$ in the Alternative Lengthening of Telomeres. <i>Cell Reports</i> , <b>2016</b> , 17, 1858-1871	10.6	74
476	Transient Fcho1/2 $\beta$ Eps15/R $\beta$ AP-2 Nanoclusters Prime the AP-2 Clathrin Adaptor for Cargo Binding. <i>Developmental Cell</i> , <b>2016</b> , 37, 428-43	10.2	62
475	A genetically targetable near-infrared photosensitizer. <i>Nature Methods</i> , <b>2016</b> , 13, 263-8	21.6	92
474	Necrostatin-1 rescues mice from lethal irradiation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 850-856	6.9	16
473	Endocytosis separates EGF receptors from endogenous fluorescently labeled HRas and diminishes receptor signaling to MAP kinases in endosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2122-7	11.5	27
472	Extracellular matrix fiber microarchitecture is region-specific in bicuspid aortic valve-associated ascending aortopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 1718-1728.e5	1.5	24
471	Constitutive modeling of ascending thoracic aortic aneurysms using microstructural parameters. <i>Medical Engineering and Physics</i> , <b>2016</b> , 38, 121-30	2.4	32
470	Donor dendritic cell-derived exosomes promote allograft-targeting immune response. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 2805-20	15.9	159
469	Impact of the Sensory Neurons on Melanoma Growth In Vivo. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156095	3.7	18
468	Inhibition of mitochondrial fusion is an early and critical event in breast cancer cell apoptosis by dietary chemopreventative benzyl isothiocyanate. <i>Mitochondrion</i> , <b>2016</b> , 30, 67-77	4.9	35
467	Establishment and Reversal of HIV-1 Latency in Naive and Central Memory CD4 <sup>+</sup> T Cells In Vitro. <i>Journal of Virology</i> , <b>2016</b> , 90, 8059-73	6.6	24
466	Mitochondrial H <sub>2</sub> O <sub>2</sub> in Lung Antigen-Presenting Cells Blocks NF- $\kappa$ B Activation to Prevent Unwarranted Immune Activation. <i>Cell Reports</i> , <b>2016</b> , 15, 1700-14	10.6	14
465	Imaging mass spectrometry reveals loss of polyunsaturated cardiolipins in the cortical contusion, hippocampus, and thalamus after traumatic brain injury. <i>Journal of Neurochemistry</i> , <b>2016</b> , 139, 659-675	6	33
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1	Delivery of a Cyclic Adenosine 3',5'-Monophosphate Response Element-Binding Protein (CREB) Mutant to Seminiferous Tubules Results in Impaired Spermatogenesis*This work was supported by NIH Grants R29-HD-34913 (to W.H.W.), RO1-HD-16842 (to A.J.Z.), and HD-08610. Preliminary results of this study were presented at the 81st Annual Meeting of The Endocrine Society, June 1999, San Diego, California.		22