

# Simon C Johnson

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

4,362  
citations

318942

23  
h-index

406436

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

9387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetraethylammonium chloride reduces anaesthetic-induced neurotoxicity in <i>Caenorhabditis elegans</i> and mice. <i>British Journal of Anaesthesia</i> , 2022, 128, 77-88.	1.5	4
2	Differential effects of mTOR inhibition and dietary ketosis in a mouse model of subacute necrotizing encephalomyelopathy. <i>Neurobiology of Disease</i> , 2022, 163, 105594.	2.1	8
3	Leukocytes mediate disease pathogenesis in the <i>Ndufs4</i> (KO) mouse model of Leigh syndrome. <i>JCI Insight</i> , 2022, 7, .	2.3	25
4	Mechanisms underlying neonate-specific metabolic effects of volatile anesthetics. <i>ELife</i> , 2021, 10, .	2.8	11
5	Development of therapies for rare genetic disorders of <i>GPX4</i> : roadmap and opportunities. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 446.	1.2	11
6	Mitochondrial pathways in human health and aging. <i>Mitochondrion</i> , 2020, 54, 72-84.	1.6	52
7	Regional metabolic signatures in the <i>Ndufs4</i> (KO) mouse brain implicate defective glutamate/ $\pm$ -ketoglutarate metabolism in mitochondrial disease. <i>Molecular Genetics and Metabolism</i> , 2020, 130, 118-132.	0.5	33
8	Relevance of experimental paradigms of anesthesia induced neurotoxicity in the mouse. <i>PLoS ONE</i> , 2019, 14, e0213543.	1.1	14
9	Targeting ferroptosis: A novel therapeutic strategy for the treatment of mitochondrial disease-related epilepsy. <i>PLoS ONE</i> , 2019, 14, e0214250.	1.1	59
10	Neurotoxicity of anesthetics: Mechanisms and meaning from mouse intervention studies. <i>Neurotoxicology and Teratology</i> , 2019, 71, 22-31.	1.2	27
11	mTOR inhibitors may benefit kidney transplant recipients with mitochondrial diseases. <i>Kidney International</i> , 2019, 95, 455-466.	2.6	44
12	Nutrient Sensing, Signaling and Ageing: The Role of IGF-1 and mTOR in Ageing and Age-Related Disease. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 49-97.	1.0	45
13	Targeted therapy in patients with <i>PIK3CA</i> -related overgrowth syndrome. <i>Nature</i> , 2018, 558, 540-546.	13.7	374
14	Network analysis of mitonuclear GWAS reveals functional networks and tissue expression profiles of disease-associated genes. <i>Human Genetics</i> , 2017, 136, 55-65.	1.8	14
15	Genomewide meta-analysis identifies loci associated with <i>IGF</i> and <i>IGFBP</i> levels with impact on age-related traits. <i>Aging Cell</i> , 2016, 15, 811-824.	3.0	83
16	Rapamycin in aging and disease: maximizing efficacy while minimizing side effects. <i>Oncotarget</i> , 2016, 7, 44876-44878.	0.8	45
17	Modulating mTOR in Aging and Health. <i>Interdisciplinary Topics in Gerontology</i> , 2015, 40, 107-127.	3.6	96
18	Genetic evidence for common pathways in human age-related diseases. <i>Aging Cell</i> , 2015, 14, 809-817.	3.0	70

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19	Dose-dependent effects of mTOR inhibition on weight and mitochondrial disease in mice. <i>Frontiers in Genetics</i> , 2015, 6, 247.	1.1	83
20	A Comprehensive Analysis of Replicative Lifespan in 4,698 Single-Gene Deletion Strains Uncovers Conserved Mechanisms of Aging. <i>Cell Metabolism</i> , 2015, 22, 895-906.	7.2	212
21	A target for pharmacological intervention in an untreatable human disease. <i>Science</i> , 2014, 346, 1192-1192.	6.0	5
22	Paracrine activation of hepatic stellate cells in platelet-derived growth factor C transgenic mice: Evidence for stromal induction of hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2014, 134, 778-788.	2.3	46
23	New Generation of Artificial MicroRNA and Synthetic Trans-Acting Small Interfering RNA Vectors for Efficient Gene Silencing in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 15-29.	2.3	119
24	Molecular mechanisms underlying genotype-dependent responses to dietary restriction. <i>Aging Cell</i> , 2013, 12, 1050-1061.	3.0	137
25	Preserving Youth: Does Rapamycin Deliver?. <i>Science Translational Medicine</i> , 2013, 5, 211fs40.	5.8	33
26	mTOR is a key modulator of ageing and age-related disease. <i>Nature</i> , 2013, 493, 338-345.	13.7	1,390
27	Assessment of Cell Viability. <i>Current Protocols in Cytometry</i> , 2013, 64, Unit9.2.	3.7	70
28	mTOR Inhibition Alleviates Mitochondrial Disease in a Mouse Model of Leigh Syndrome. <i>Science</i> , 2013, 342, 1524-1528.	6.0	437
29	DNA damage accumulation and TRF2 degradation in atypical Werner syndrome fibroblasts with LMNA mutations. <i>Frontiers in Genetics</i> , 2013, 4, 129.	1.1	27
30	Ex Vivo Imaging of Excised Tissue Using Vital Dyes and Confocal Microscopy. <i>Current Protocols in Cytometry</i> , 2012, 61, Unit 9.39.	3.7	31
31	Cardiac Aging: From Molecular Mechanisms to Significance in Human Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1492-1526.	2.5	247
32	Sir2 deletion prevents lifespan extension in 32 long-lived mutants. <i>Aging Cell</i> , 2011, 10, 1089-1091.	3.0	52
33	Mitochondrial Oxidative Stress Mediates Angiotensin II-Induced Cardiac Hypertrophy and $\text{C1q}$ Overexpression-Induced Heart Failure. <i>Circulation Research</i> , 2011, 108, 837-846.	2.0	450