

Michael W Mcburney

List of Publications by Year in descending order

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43
papers

3,267
citations

201658

27
h-index

276858

41
g-index

43
all docs

43
docs citations

43
times ranked

4804
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of NK cells to immunotherapy mediated by PD-1/PD-L1 blockade. <i>Journal of Clinical Investigation</i> , 2018, 128, 4654-4668.	8.2	591
2	The Mammalian SIR2 α Protein Has a Role in Embryogenesis and Gametogenesis. <i>Molecular and Cellular Biology</i> , 2003, 23, 38-54.	2.3	579
3	Sirt1 Regulates Energy Metabolism and Response to Caloric Restriction in Mice. <i>PLoS ONE</i> , 2008, 3, e1759.	2.5	397
4	sirt1-null mice develop an autoimmune-like condition. <i>Experimental Cell Research</i> , 2008, 314, 3069-3074.	2.6	128
5	<sc>SIRT</sc>1 but not its increased expression is essential for lifespan extension in caloric-restricted mice. <i>Aging Cell</i> , 2014, 13, 193-196.	6.7	99
6	Polymorphisms in the coding and noncoding regions of murine Pgc-1 alleles. <i>Biochemical Genetics</i> , 1990, 28, 299-308.	1.7	97
7	Sirtuin 1 in immune regulation and autoimmunity. <i>Immunology and Cell Biology</i> , 2012, 90, 6-13.	2.3	90
8	Evidence for Repeat-Induced Gene Silencing in Cultured Mammalian Cells: Inactivation of Tandem Repeats of Transfected Genes. <i>Experimental Cell Research</i> , 2002, 274, 1-8.	2.6	86
9	The deacetylase Sirt1 is an essential regulator of Aire-mediated induction of central immunological tolerance. <i>Nature Immunology</i> , 2015, 16, 737-745.	14.5	85
10	Sirt1 interacts with transducin-like enhancer of split-1 to inhibit nuclear factor κ B-mediated transcription. <i>Biochemical Journal</i> , 2007, 408, 105-111.	3.7	77
11	The SIRT1 deacetylase protects mice against the symptoms of metabolic syndrome. <i>FASEB Journal</i> , 2014, 28, 1306-1316.	0.5	74
12	Methionine metabolism is essential for <sc>SIRT</sc>1-regulated mouse embryonic stem cell maintenance and embryonic development. <i>EMBO Journal</i> , 2017, 36, 3175-3193.	7.8	71
13	The absence of SIR2alpha protein has no effect on global gene silencing in mouse embryonic stem cells. <i>Molecular Cancer Research</i> , 2003, 1, 402-9.	3.4	65
14	The role of aggregation in embryonal carcinoma cell differentiation. <i>Journal of Cellular Physiology</i> , 1987, 131, 74-84.	4.1	60
15	SIRT1-Mediated Deacetylation of CRABP II Regulates Cellular Retinoic Acid Signaling and Modulates Embryonic Stem Cell Differentiation. <i>Molecular Cell</i> , 2014, 55, 843-855.	9.7	60
16	Murine PGK-1 promoter drives widespread but not uniform expression in transgenic mice. <i>Developmental Dynamics</i> , 1994, 200, 278-293.	1.8	57
17	Smooth muscle actin expression during P19 embryonal carcinoma differentiation in cell culture. <i>Journal of Cellular Physiology</i> , 1990, 142, 89-98.	4.1	52
18	Sirt1 catalytic activity is required for male fertility and metabolic homeostasis in mice. <i>FASEB Journal</i> , 2012, 26, 555-566.	0.5	51

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19	Loss of Sirt1 Promotes Prostatic Intraepithelial Neoplasia, Reduces Mitophagy, and Delays Park2 Translocation to Mitochondria. <i>American Journal of Pathology</i> , 2015, 185, 266-279.	3.8	51
20	SIRT1 is a Highly Networked Protein That Mediates the Adaptation to Chronic Physiological Stress. <i>Genes and Cancer</i> , 2013, 4, 125-134.	1.9	50
21	The family of mouse phosphoglycerate kinase genes and pseudogenes. <i>Somatic Cell and Molecular Genetics</i> , 1988, 14, 69-81.	0.7	49
22	Male Infertility Caused by Epididymal Dysfunction in Transgenic Mice Expressing a Dominant Negative Mutation of Retinoic Acid Receptor $\hat{\pm}$ 1. <i>Biology of Reproduction</i> , 1997, 56, 985-990.	2.7	45
23	Absence of p53-dependent cell cycle regulation in pluripotent mouse cell lines. <i>Oncogene</i> , 1998, 16, 3003-3011.	5.9	45
24	Physiological and Clinical Aspects of Vitamin A and Its Metabolites. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 1992, 29, 185-215.	6.1	39
25	Retinoids and Cancer: A Basis for Differentiation Therapy. <i>Cancer Investigation</i> , 1993, 11, 590-598.	1.3	36
26	Ablation of systemic SIRT1 activity promotes nonalcoholic fatty liver disease by affecting liver-mesenteric adipose tissue fatty acid mobilization. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2783-2790.	3.8	35
27	Unconventional Secretion of Adipocyte Fatty Acid Binding Protein 4 Is Mediated By Autophagic Proteins in a Sirtuin-1-Dependent Manner. <i>Diabetes</i> , 2019, 68, 1767-1777.	0.6	32
28	X chromosome inactivation: A hypothesis. <i>BioEssays</i> , 1988, 9, 85-88.	2.5	27
29	Sirt1-deficiency causes defective protein quality control. <i>Scientific Reports</i> , 2015, 5, 12613.	3.3	26
30	DNA methylation pattern of a tandemly repeated LacZ transgene indicates that most copies are silent. , 1999, 215, 126-138.		23
31	Glutamate Receptor-Mediated Calcium Surges in Neurons Derived from P19 Cells. <i>Journal of Neurochemistry</i> , 2002, 65, 1093-1099.	3.9	17
32	Reexpression of a cluster of silenced transgenes is associated with their rearrangement. <i>Genes Chromosomes and Cancer</i> , 2001, 32, 311-323.	2.8	11
33	SIRT1 Catalytic Activity Has Little Effect on Tumor Formation and Metastases in a Mouse Model of Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e82106.	2.5	11
34	What the papers say: X chromosome inactivation: The feminine mystique continues. <i>BioEssays</i> , 1993, 15, 825-826.	2.5	10
35	Genes transfected into embryonal carcinoma stem cells are both lost and inactivated at high frequency. <i>Somatic Cell and Molecular Genetics</i> , 1996, 22, 383-392.	0.7	9
36	A Role for RNA Processing in Regulating Expression from Transfected Genes. <i>Somatic Cell and Molecular Genetics</i> , 1998, 24, 203-215.	0.7	7

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37	Reversible modulation of SIRT1 activity in a mouse strain. PLoS ONE, 2017, 12, e0173002.	2.5	7
38	Polymorphisms in the coding and noncoding regions of murine Pgc-1 alleles. Biochemical Genetics, 1990, 28, 299-308.	1.7	6
39	Resveratrol Inhibits Neointimal Growth after Arterial Injury in High-Fat-Fed Rodents: The Roles of SIRT1 and AMPK. Journal of Vascular Research, 2020, 57, 325-340.	1.4	5
40	Disruption of Igfbp1 fails to rescue the phenotype of Sirt1 ^{-/-} mice. Experimental Cell Research, 2010, 316, 2189-2193.	2.6	4
41	Modulation of Tumorigenesis by Dietary Intervention Is Not Mediated by SIRT1 Catalytic Activity. PLoS ONE, 2014, 9, e112406.	2.5	2
42	Modulating SIRT1 activity variously affects thymic lymphoma development in mice. Experimental Cell Research, 2018, 371, 83-91.	2.6	1
43	Ablation of systemic SIRT1 activity promotes nonalcoholic fatty liver disease by affecting liver mesenteric adipose tissue fatty acid mobilization. FASEB Journal, 2017, 31, 458.1.	0.5	0