

# Michael W Mcburney

## List of Publications by Citations

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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.

43  
papers

2,632  
citations

26  
h-index

43  
g-index

43  
ext. papers

2,990  
ext. citations

5.3  
avg, IF

4.32  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 43 | The mammalian SIR2alpha protein has a role in embryogenesis and gametogenesis. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 38-54   | 4.8  | 516       |
| 42 | Sirt1 regulates energy metabolism and response to caloric restriction in mice. <i>PLoS ONE</i> , <b>2008</b> , 3, e17593   | 3.7  | 355       |
| 41 | Contribution of NK cells to immunotherapy mediated by PD-1/PD-L1 blockade. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 4654-4668                                       | 15.9 | 355       |
| 40 | sirt1-null mice develop an autoimmune-like condition. <i>Experimental Cell Research</i> , <b>2008</b> , 314, 3069-74   | 4.2  | 108       |
| 39 | Polymorphisms in the coding and noncoding regions of murine Pgk-1 alleles. <i>Biochemical Genetics</i> , <b>1990</b> , 28, 299-308   | 2.4  | 94        |
| 38 | SIRT1 but not its increased expression is essential for lifespan extension in caloric-restricted mice. <i>Aging Cell</i> , <b>2014</b> , 13, 193-6                                       | 9.9  | 87        |
| 37 | Evidence for repeat-induced gene silencing in cultured Mammalian cells: inactivation of tandem repeats of transfected genes. <i>Experimental Cell Research</i> , <b>2002</b> , 274, 1-8  | 4.2  | 78        |
| 36 | Sirt1 interacts with transducin-like enhancer of split-1 to inhibit nuclear factor kappaB-mediated transcription. <i>Biochemical Journal</i> , <b>2007</b> , 408, 105-11                 | 3.8  | 67        |
| 35 | The absence of SIR2alpha protein has no effect on global gene silencing in mouse embryonic stem cells. <i>Molecular Cancer Research</i> , <b>2003</b> , 1, 402-9                         | 6.6  | 65        |
| 34 | The SIRT1 deacetylase protects mice against the symptoms of metabolic syndrome. <i>FASEB Journal</i> , <b>2014</b> , 28, 1306-16   | 0.9  | 63        |
| 33 | The deacetylase Sirt1 is an essential regulator of Aire-mediated induction of central immunological tolerance. <i>Nature Immunology</i> , <b>2015</b> , 16, 737-45                       | 19.1 | 59        |
| 32 | Sirtuin 1 in immune regulation and autoimmunity. <i>Immunology and Cell Biology</i> , <b>2012</b> , 90, 6-13   | 5    | 59        |
| 31 | The role of aggregation in embryonal carcinoma cell differentiation. <i>Journal of Cellular Physiology</i> , <b>1987</b> , 131, 74-84  | 7    | 55        |
| 30 | Murine PGK-1 promoter drives widespread but not uniform expression in transgenic mice. <i>Developmental Dynamics</i> , <b>1994</b> , 200, 278-93   | 2.9  | 51        |
| 29 | Smooth muscle actin expression during P19 embryonal carcinoma differentiation in cell culture. <i>Journal of Cellular Physiology</i> , <b>1990</b> , 142, 89-98                          | 7    | 46        |
| 28 | SIRT1-mediated deacetylation of CRABP II regulates cellular retinoic acid signaling and modulates embryonic stem cell differentiation. <i>Molecular Cell</i> , <b>2014</b> , 55, 843-855 | 17.6 | 44        |
| 27 | SIRT1 is a Highly Networked Protein That Mediates the Adaptation to Chronic Physiological Stress. <i>Genes and Cancer</i> , <b>2013</b> , 4, 125-34                                      | 2.9  | 44        |

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| 26 | Sirt1 catalytic activity is required for male fertility and metabolic homeostasis in mice. <i>FASEB Journal</i> , <b>2012</b> , 26, 555-66  | 0.9 | 44 |
| 25 | The family of mouse phosphoglycerate kinase genes and pseudogenes. <i>Somatic Cell and Molecular Genetics</i> , <b>1988</b> , 14, 69-81   |     | 44 |
| 24 | Male infertility caused by epididymal dysfunction in transgenic mice expressing a dominant negative mutation of retinoic acid receptor alpha 1. <i>Biology of Reproduction</i> , <b>1997</b> , 56, 985-90   | 3.9 | 43 |
| 23 | Loss of Sirt1 promotes prostatic intraepithelial neoplasia, reduces mitophagy, and delays PARK2 translocation to mitochondria. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 266-79   | 5.8 | 42 |
| 22 | Methionine metabolism is essential for SIRT1-regulated mouse embryonic stem cell maintenance and embryonic development. <i>EMBO Journal</i> , <b>2017</b> , 36, 3175-3193   | 13  | 39 |
| 21 | Absence of p53-dependent cell cycle regulation in pluripotent mouse cell lines. <i>Oncogene</i> , <b>1998</b> , 16, 3003-11   | 3.1 | 38 |
| 20 | Retinoids and cancer: a basis for differentiation therapy. <i>Cancer Investigation</i> , <b>1993</b> , 11, 590-8  | 2.1 | 31 |
| 19 | Physiological and clinical aspects of vitamin A and its metabolites. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>1992</b> , 29, 185-215  | 9.4 | 31 |
| 18 | X chromosome inactivation: a hypothesis. <i>BioEssays</i> , <b>1988</b> , 9, 85-8   | 4.1 | 26 |
| 17 | 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> , <b>2017</b> , 1863, 2783-2790 | 6.9 | 25 |
| 16 | DNA methylation pattern of a tandemly repeated LacZ transgene indicates that most copies are silent. <i>Developmental Dynamics</i> , <b>1999</b> , 215, 126-38  | 2.9 | 17 |
| 15 | Unconventional Secretion of Adipocyte Fatty Acid Binding Protein 4 Is Mediated By Autophagic Proteins in a Sirtuin-1-Dependent Manner. <i>Diabetes</i> , <b>2019</b> , 68, 1767-1777  | 0.9 | 16 |
| 14 | Sirt1-deficiency causes defective protein quality control. <i>Scientific Reports</i> , <b>2015</b> , 5, 12613   | 4.9 | 16 |
| 13 | Glutamate receptor-mediated calcium surges in neurons derived from P19 cells. <i>Journal of Neurochemistry</i> , <b>1995</b> , 65, 1093-9   | 6   | 15 |
| 12 | SIRT1 catalytic activity has little effect on tumor formation and metastases in a mouse model of breast cancer. <i>PLoS ONE</i> , <b>2013</b> , 8, e82106   | 3.7 | 11 |
| 11 | Reexpression of a cluster of silenced transgenes is associated with their rearrangement. <i>Genes Chromosomes and Cancer</i> , <b>2001</b> , 32, 311-23   | 5   | 11 |
| 10 | X chromosome inactivation: the feminine mystique continues. <i>BioEssays</i> , <b>1993</b> , 15, 825-6  | 4.1 | 8  |
| 9  | Genes transfected into embryonal carcinoma stem cells are both lost and inactivated at high frequency. <i>Somatic Cell and Molecular Genetics</i> , <b>1996</b> , 22, 383-92  |     | 7  |

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| 8 | Reversible modulation of SIRT1 activity in a mouse strain. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173002  | 3.7 | 7 |
| 7 | A role for RNA processing in regulating expression from transfected genes. <i>Somatic Cell and Molecular Genetics</i> , <b>1998</b> , 24, 203-15   |     | 6 |
| 6 | Modulation of tumorigenesis by dietary intervention is not mediated by SIRT1 catalytic activity. <i>PLoS ONE</i> , <b>2014</b> , 9, e112406  | 3.7 | 2 |
| 5 | Disruption of Igfbp1 fails to rescue the phenotype of Sirt1 <sup>-/-</sup> mice. <i>Experimental Cell Research</i> , <b>2010</b> , 316, 2189-93  | 4.2 | 2 |
| 4 | Resveratrol Inhibits Neointimal Growth after Arterial Injury in High-Fat-Fed Rodents: The Roles of SIRT1 and AMPK. <i>Journal of Vascular Research</i> , <b>2020</b> , 57, 325-340                 | 1.9 | 2 |
| 3 | Polymorphisms in the coding and noncoding regions of murine Pgc-1 alleles. <i>Biochemical Genetics</i> , <b>1990</b> , 28, 299-308   | 2.4 | 2 |
| 2 | Modulating SIRT1 activity variously affects thymic lymphoma development in mice. <i>Experimental Cell Research</i> , <b>2018</b> , 371, 83-91  | 4.2 | 1 |
| 1 | Ablation of systemic SIRT1 activity promotes nonalcoholic fatty liver disease by affecting liver-mesenteric adipose tissue fatty acid mobilization. <i>FASEB Journal</i> , <b>2017</b> , 31, 458.1 | 0.9 |   |