

# Kirsty L Spalding

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

44  
papers

6,654  
citations

28  
h-index

50  
g-index

50  
ext. papers

7,786  
ext. citations

14.5  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
44	Dynamics of fat cell turnover in humans. <i>Nature</i> , <b>2008</b> , 453, 783-7	50.4	1612
43	Dynamics of hippocampal neurogenesis in adult humans. <i>Cell</i> , <b>2013</b> , 153, 1219-1227	56.2	1221
42	Retrospective birth dating of cells in humans. <i>Cell</i> , <b>2005</b> , 122, 133-43	56.2	451
41	Adipocyte turnover: relevance to human adipose tissue morphology. <i>Diabetes</i> , <b>2010</b> , 59, 105-9	0.9	414
40	Identification of tissue-specific cell death using methylation patterns of circulating DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E1826-34	11.5	350
39	Neocortical neurogenesis in humans is restricted to development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12564-8	11.5	338
38	The age of olfactory bulb neurons in humans. <i>Neuron</i> , <b>2012</b> , 74, 634-9	13.9	281
37	Comprehensive human cell-type methylation atlas reveals origins of circulating cell-free DNA in health and disease. <i>Nature Communications</i> , <b>2018</b> , 9, 5068	17.4	281
36	Dynamics of human adipose lipid turnover in health and metabolic disease. <i>Nature</i> , <b>2011</b> , 478, 110-3	50.4	259
35	Ephrin-A2 reverse signaling negatively regulates neural progenitor proliferation and neurogenesis. <i>Genes and Development</i> , <b>2005</b> , 19, 462-71	12.6	162
34	Adult Neurogenesis in Humans. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2015</b> , 7, a018994	10.2	160
33	Forensics: age written in teeth by nuclear tests. <i>Nature</i> , <b>2005</b> , 437, 333-4	50.4	151
32	Fat cell turnover in humans. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 396, 101-4	3.4	118
31	Age estimation in forensic sciences: application of combined aspartic acid racemization and radiocarbon analysis. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 1022-30	7.6	64
30	Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis. <i>Cell Metabolism</i> , <b>2015</b> , 22, 408-17	24.6	61
29	Anterograde transport and trophic actions of BDNF and NT-4/5 in the developing rat visual system. <i>Molecular and Cellular Neurosciences</i> , <b>2002</b> , 19, 485-500	4.8	49
28	Adipose lipid turnover and long-term changes in body weight. <i>Nature Medicine</i> , <b>2019</b> , 25, 1385-1389	50.5	46

27	Adipocyte triglyceride turnover and lipolysis in lean and overweight subjects. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 2909-13	6.3	46
26	Transforming Growth Factor- $\beta$ Regulates Adipocyte Number in Subcutaneous White Adipose Tissue. <i>Cell Reports</i> , <b>2018</b> , 25, 551-560.e5	10.6	45
25	Impact of fat mass and distribution on lipid turnover in human adipose tissue. <i>Nature Communications</i> , <b>2017</b> , 8, 15253	17.4	42
24	Analysis of $^{14}\text{C}$ and $^{13}\text{C}$ in teeth provides precise birth dating and clues to geographical origin. <i>Forensic Science International</i> , <b>2011</b> , 209, 34-41	2.6	41
23	Flow Cytometry of Mouse and Human Adipocytes for the Analysis of Browning and Cellular Heterogeneity. <i>Cell Reports</i> , <b>2018</b> , 24, 2746-2756.e5	10.6	41
22	Mature Human White Adipocytes Cultured under Membranes Maintain Identity, Function, and Can Transdifferentiate into Brown-like Adipocytes. <i>Cell Reports</i> , <b>2019</b> , 27, 213-225.e5	10.6	40
21	Target-derived and locally derived neurotrophins support retinal ganglion cell survival in the neonatal rat retina. <i>Journal of Neurobiology</i> , <b>2004</b> , 60, 319-27		38
20	Fate of multipotent neural precursor cells transplanted into mouse retina selectively depleted of retinal ganglion cells. <i>Experimental Neurology</i> , <b>2004</b> , 186, 6-19	5.7	38
19	Detection and Phenotypic Characterization of Adult Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2016</b> , 8, a025981	10.2	38
18	Analysis of radiocarbon, stable isotopes and DNA in teeth to facilitate identification of unknown decedents. <i>PLoS ONE</i> , <b>2013</b> , 8, e69597	3.7	31
17	Year of birth determination using radiocarbon dating of dental enamel. <i>Surface and Interface Analysis</i> , <b>2010</b> , 42, 398-401	1.5	31
16	Adrenergically stimulated blood flow in brown adipose tissue is not dependent on thermogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 308, E822-9	6	23
15	Adipocyte triglyceride turnover is independently associated with atherogenic dyslipidemia. <i>Journal of the American Heart Association</i> , <b>2012</b> , 1, e003467	6	21
14	The effects of central administration of neurotrophins or transplants of fetal tectal tissue on retinal ganglion cell survival following removal of the superior colliculus in neonatal rats. <i>Developmental Brain Research</i> , <b>1998</b> , 107, 133-42		20
13	Retinal ganglion cell neurotrophin receptor levels and trophic requirements following target ablation in the neonatal rat. <i>Neuroscience</i> , <b>2005</b> , 131, 387-95	3.9	20
12	Caspase-independent retinal ganglion cell death after target ablation in the neonatal rat. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 33-45	3.5	19
11	Radiocarbon dating. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		18
10	Cellular senescence and its role in white adipose tissue. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 934-943		16

9	Maintenance of white adipose tissue in man. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 56, 123-32	5.6	15
8	A mathematical model for the interpretation of nuclear bomb test derived <sup>14</sup> C incorporation in biological systems. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 1295-1298	1.2	15
7	Personal identification of cold case remains through combined contribution from anthropological, mtDNA, and bomb-pulse dating analyses. <i>Journal of Forensic Sciences</i> , <b>2012</b> , 57, 1354-60	1.8	14
6	Obesity and hyperinsulinemia drive adipocytes to activate a cell cycle program and senesce. <i>Nature Medicine</i> , <b>2021</b> , 27, 1941-1953	50.5	11
5	Practical Guidelines for Optimization and Characterization of the Beckman Coulter CytoFLEX <sup>®</sup> Platform. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2020</b> , 97, 800-810	4.6	5
4	Liquid biopsy reveals collateral tissue damage in cancer.. <i>JCI Insight</i> , <b>2022</b> , 7,	9.9	3
3	Dynamics of Fat Cell Turnover in Humans. <i>Obstetrical and Gynecological Survey</i> , <b>2008</b> , 63, 577-578	2.4	2
2	Bomb Pulse Radiocarbon Dating of Skeletal Tissues <b>2018</b> , 185-196		1
1	Injury-induced retinal ganglion cell loss in the neonatal rat retina. <i>Advances in Experimental Medicine and Biology</i> , <b>2006</b> , 572, 447-51	3.6	