

# Kirsty L Spalding

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

8,662  
citations

147786  
31  
h-index

265191  
42  
g-index

50  
all docs

50  
docs citations

50  
times ranked

12291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of fat cell turnover in humans. <i>Nature</i> , 2008, 453, 783-787.	27.8	1,914
2	Dynamics of Hippocampal Neurogenesis in Adult Humans. <i>Cell</i> , 2013, 153, 1219-1227.	28.9	1,523
3	Comprehensive human cell-type methylation atlas reveals origins of circulating cell-free DNA in health and disease. <i>Nature Communications</i> , 2018, 9, 5068.	12.8	584
4	Retrospective Birth Dating of Cells in Humans. <i>Cell</i> , 2005, 122, 133-143.	28.9	522
5	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> , 2016, 113, E1826-34.	7.1	492
6	Adipocyte Turnover: Relevance to Human Adipose Tissue Morphology. <i>Diabetes</i> , 2010, 59, 105-109.	0.6	490
7	Neocortical neurogenesis in humans is restricted to development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12564-12568.	7.1	399
8	The Age of Olfactory Bulb Neurons in Humans. <i>Neuron</i> , 2012, 74, 634-639.	8.1	333
9	Dynamics of human adipose lipid turnover in health and metabolic disease. <i>Nature</i> , 2011, 478, 110-113.	27.8	319
10	Adult Neurogenesis in Humans. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a018994.	5.5	203
11	Age written in teeth by nuclear tests. <i>Nature</i> , 2005, 437, 333-334.	27.8	185
12	Ephrin-A2 reverse signaling negatively regulates neural progenitor proliferation and neurogenesis. <i>Genes and Development</i> , 2005, 19, 462-471.	5.9	178
13	Fat cell turnover in humans. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 101-104.	2.1	141
14	Age Estimation in Forensic Sciences. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1022-1030.	3.8	91
15	Adipose lipid turnover and long-term changes in body weight. <i>Nature Medicine</i> , 2019, 25, 1385-1389.	30.7	90
16	Mature Human White Adipocytes Cultured under Membranes Maintain Identity, Function, and Can Transdifferentiate into Brown-like Adipocytes. <i>Cell Reports</i> , 2019, 27, 213-225.e5.	6.4	83
17	Radiocarbon dating. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	79
18	Obesity and hyperinsulinemia drive adipocytes to activate a cell cycle program and senesce. <i>Nature Medicine</i> , 2021, 27, 1941-1953.	30.7	79

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19	Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis. <i>Cell Metabolism</i> , 2015, 22, 408-417.	16.2	75
20	Impact of fat mass and distribution on lipid turnover in human adipose tissue. <i>Nature Communications</i> , 2017, 8, 15253.	12.8	71
21	Transforming Growth Factor- $\beta$ 3 Regulates Adipocyte Number in Subcutaneous White Adipose Tissue. <i>Cell Reports</i> , 2018, 25, 551-560.e5.	6.4	68
22	Flow Cytometry of Mouse and Human Adipocytes for the Analysis of Browning and Cellular Heterogeneity. <i>Cell Reports</i> , 2018, 24, 2746-2756.e5.	6.4	65
23	Detection and Phenotypic Characterization of Adult Neurogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a025981.	5.5	59
24	Adipocyte triglyceride turnover and lipolysis in lean and overweight subjects. <i>Journal of Lipid Research</i> , 2013, 54, 2909-2913.	4.2	55
25	Anterograde Transport and Trophic Actions of BDNF and NT-4/5 in the Developing Rat Visual System. <i>Molecular and Cellular Neurosciences</i> , 2002, 19, 485-500.	2.2	53
26	Analysis of 14C and 13C in teeth provides precise birth dating and clues to geographical origin. <i>Forensic Science International</i> , 2011, 209, 34-41.	2.2	50
27	Fate of multipotent neural precursor cells transplanted into mouse retina selectively depleted of retinal ganglion cells. <i>Experimental Neurology</i> , 2004, 186, 6-19.	4.1	47
28	Target-derived and locally derived neurotrophins support retinal ganglion cell survival in the neonatal rat retina. <i>Journal of Neurobiology</i> , 2004, 60, 319-327.	3.6	45
29	Year of birth determination using radiocarbon dating of dental enamel. <i>Surface and Interface Analysis</i> , 2010, 42, 398-401.	1.8	38
30	Cellular senescence and its role in white adipose tissue. <i>International Journal of Obesity</i> , 2021, 45, 934-943.	3.4	38
31	Analysis of Radiocarbon, Stable Isotopes and DNA in Teeth to Facilitate Identification of Unknown Decedents. <i>PLoS ONE</i> , 2013, 8, e69597.	2.5	37
32	Adrenergically stimulated blood flow in brown adipose tissue is not dependent on thermogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E822-E829.	3.5	32
33	Liquid biopsy reveals collateral tissue damage in cancer. <i>JCI Insight</i> , 2022, 7, .	5.0	32
34	Adipocyte Triglyceride Turnover Is Independently Associated With Atherogenic Dyslipidemia. <i>Journal of the American Heart Association</i> , 2012, 1, e003467.	3.7	27
35	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> , 1998, 107, 133-142.	1.7	21
36	Caspase-independent retinal ganglion cell death after target ablation in the neonatal rat. <i>European Journal of Neuroscience</i> , 2005, 21, 33-45.	2.6	21

#	ARTICLE	IF	CITATIONS
37	Personal Identification of Cold Case Remains Through Combined Contribution from Anthropological, mtDNA, and Bomb Pulse Dating Analyses. <i>Journal of Forensic Sciences</i> , 2012, 57, 1354-1360.	1.6	21
38	Retinal ganglion cell neurotrophin receptor levels and trophic requirements following target ablation in the neonatal rat. <i>Neuroscience</i> , 2005, 131, 387-395.	2.3	20
39	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> , 2010, 268, 1295-1298.	1.4	20
40	Maintenance of white adipose tissue in man. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 56, 123-132.	2.8	19
41	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> , 2020, 97, 800-810.	1.5	9
42	Elevated brain-derived cell-free DNA among patients with first psychotic episode – a proof-of-concept study. <i>ELife</i> , 0, 11, .	6.0	9
43	Bomb Pulse Radiocarbon Dating of Skeletal Tissues. , 2018, , 185-196.		5
44	Dynamics of Fat Cell Turnover in Humans. <i>Obstetrical and Gynecological Survey</i> , 2008, 63, 577-578.	0.4	3
45	Profiling hypertrophic adipocytes in humans, from transcriptomics to diagnostics. <i>EBioMedicine</i> , 2022, 81, 104105.	6.1	1
46	Injury-Induced Retinal Ganglion Cell Loss in the Neonatal Rat Retina. , 2006, 572, 447-451.		0