Kirsty L Spalding

List of Publications by Year
in descending order

46 papers	8,662 citations	147801 31 h-index	265206 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. Nature, 2008, 453, 783-787.	27.8	1,914
2	Dynamics of Hippocampal Neurogenesis in Adult Humans. Cell, 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. Nature Communications, 2018, 9, 5068.	12.8	584
4	Retrospective Birth Dating of Cells in Humans. Cell, 2005, 122, 133-143.	28.9	522
5	Identification of tissue-specific cell death using methylation patterns of circulating DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1826-34.	7.1	492
6	Adipocyte Turnover: Relevance to Human Adipose Tissue Morphology. Diabetes, 2010, 59, 105-109.	0.6	490
7	Neocortical neurogenesis in humans is restricted to development. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12564-12568.	7.1	399
8	The Age of Olfactory Bulb Neurons in Humans. Neuron, 2012, 74, 634-639.	8.1	333
9	Dynamics of human adipose lipid turnover in health and metabolic disease. Nature, 2011, 478, 110-113.	27.8	319
10	Adult Neurogenesis in Humans. Cold Spring Harbor Perspectives in Biology, 2015, 7, a018994.	5.5	203
11	Age written in teeth by nuclear tests. Nature, 2005, 437, 333-334.	27.8	185
12	Ephrin-A2 reverse signaling negatively regulates neural progenitor proliferation and neurogenesis. Genes and Development, 2005, 19, 462-471.	5.9	178
13	Fat cell turnover in humans. Biochemical and Biophysical Research Communications, 2010, 396, 101-104.	2.1	141
14	Age Estimation in Forensic Sciences. Molecular and Cellular Proteomics, 2010, 9, 1022-1030.	3.8	91
15	Adipose lipid turnover and long-term changes in body weight. Nature Medicine, 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. Cell Reports, 2019, 27, 213-225.e5.	6.4	83
17	Radiocarbon dating. Nature Reviews Methods Primers, 2021, 1, .	21.2	79
18	Obesity and hyperinsulinemia drive adipocytes to activate a cell cycle program and senesce. Nature Medicine, 2021, 27, 1941-1953.	30.7	79

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19	Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis. Cell Metabolism, 2015, 22, 408-417.	16.2	75
20	Impact of fat mass and distribution on lipid turnover in human adipose tissue. Nature Communications, 2017, 8, 15253.	12.8	71
21	Transforming Growth Factor-Î²3 Regulates Adipocyte Number in Subcutaneous White Adipose Tissue. Cell Reports, 2018, 25, 551-560.e5.	6.4	68
22	Flow Cytometry of Mouse and Human Adipocytes for the Analysis of Browning and Cellular Heterogeneity. Cell Reports, 2018, 24, 2746-2756.e5.	6.4	65
23	Detection and Phenotypic Characterization of Adult Neurogenesis. Cold Spring Harbor Perspectives in Biology, 2016, 8, a025981.	5.5	59
24	Adipocyte triglyceride turnover and lipolysis in lean and overweight subjects. Journal of Lipid Research, 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. Molecular and Cellular Neurosciences, 2002, 19, 485-500.	2.2	53
26	Analysis of 14C and 13C in teeth provides precise birth dating and clues to geographical origin. Forensic Science International, 2011, 209, 34-41.	2.2	50
27	Fate of multipotent neural precursor cells transplanted into mouse retina selectively depleted of retinal ganglion cells. Experimental Neurology, 2004, 186, 6-19.	4.1	47
28	Target-derived and locally derived neurotrophins support retinal ganglion cell survival in the neonatal rat retina. Journal of Neurobiology, 2004, 60, 319-327.	3.6	45
29	Year of birth determination using radiocarbon dating of dental enamel. Surface and Interface Analysis, 2010, 42, 398-401.	1.8	38
30	Cellular senescence and its role in white adipose tissue. International Journal of Obesity, 2021, 45, 934-943.	3.4	38
31	Analysis of Radiocarbon, Stable Isotopes and DNA in Teeth to Facilitate Identification of Unknown Decedents. PLoS ONE, 2013, 8, e69597.	2.5	37
32	Adrenergically stimulated blood flow in brown adipose tissue is not dependent on thermogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E822-E829.	3.5	32
33	Liquid biopsy reveals collateral tissue damage in cancer. JCI Insight, 2022, 7, .	5.0	32
34	Adipocyte Triglyceride Turnover Is Independently Associated With Atherogenic Dyslipidemia. Journal of the American Heart Association, 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. Developmental Brain Research, 1998, 107, 133-142.	1.7	21
36	Caspase-independent retinal ganglion cell death after target ablation in the neonatal rat. European Journal of Neuroscience, 2005, 21, 33-45.	2.6	21

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37	Personal Identification of Cold Case Remains Through Combined Contribution from Anthropological, mt<scp>DNA</scp>, and Bombâ€Pulse Dating Analyses. Journal of Forensic Sciences, 2012, 57, 1354-1360.	1.6	21
38	Retinal ganglion cell neurotrophin receptor levels and trophic requirements following target ablation in the neonatal rat. Neuroscience, 2005, 131, 387-395.	2.3	20
39	A mathematical model for the interpretation of nuclear bomb test derived 14C incorporation in biological systems. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1295-1298.	1.4	20
40	Maintenance of white adipose tissue in man. International Journal of Biochemistry and Cell Biology, 2014, 56, 123-132.	2.8	19
41	Practical Guidelines for Optimization and Characterization of the Beckman Coulter CytoFLEXâ„¢ Platform. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 800-810.	1.5	9
42	Elevated brain-derived cell-free DNA among patients with first psychotic episode â€“ a proof-of-concept study. ELife, 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. Obstetrical and Gynecological Survey, 2008, 63, 577-578.	0.4	3
45	Profiling hypertrophic adipocytes in humans, from transcriptomics to diagnostics. EBioMedicine, 2022, 81, 104105.	6.1	1
46	Injury-Induced Retinal Ganglion Cell Loss in the Neonatal Rat Retina. , 2006, 572, 447-451.		0