Stephen R Farmer

List of Publications by Year in Descending Order

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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.

102 papers	10,644 citations	48 h-index	103 g-index
111 ext. papers	11,431 ext. citations	12.1 avg, IF	6.42 L-index

#	Paper	IF	Citations
102	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response. *Cells*, **2021**, 10,	7.9	3
101	Adipocyte-derived exosomes may promote breast cancer progression in type 2 diabetes. *Science Signaling*, **2021**, 14, eabj2807	8.8	3
100	The cyclin dependent kinase inhibitor Roscovitine prevents diet-induced metabolic disruption in obese mice. *Scientific Reports*, **2021**, 11, 20365	4.9	1
99	Unraveling the complexity of thermogenic remodeling of white fat reveals potential antiobesity therapies. *Genes and Development*, **2021**, 35, 1395-1397	12.6	
98	Aortic carboxypeptidase-like protein regulates vascular adventitial progenitor and fibroblast differentiation through myocardin related transcription factor A. *Scientific Reports*, **2021**, 11, 3948	4.9	1
97	Shifts of Immune Cell Populations Differ in Response to Different Effectors of Beige Remodeling of Adipose Tissue. *IScience*, **2020**, 23, 101765	6.1	6
96	The Adipocyte Acquires a Fibroblast-Like Transcriptional Signature in Response to a High Fat Diet. *Scientific Reports*, **2020**, 10, 2380	4.9	21
95	Triphenyl phosphate is a selective PPAR modulator that does not induce brite adipogenesis in vitro and in vivo. *Archives of Toxicology*, **2020**, 94, 3087-3103	5.8	7
94	CIDEA Transcriptionally Regulates UCP1 for Britening and Thermogenesis in Human Fat Cells. *IScience*, **2019**, 20, 73-89	6.1	24
93	Adipose Progenitor Cells Contribute to Lipid Spillover during Obesity. *Trends in Endocrinology and Metabolism*, **2019**, 30, 416-418	8.8	1
92	Boning Up on Irisin. *New England Journal of Medicine*, **2019**, 380, 1480-1482	59.2	13
91	CDK6 inhibits white to beige fat transition by suppressing RUNX1. *Nature Communications*, **2018**, 9, 1023	17.4	26
90	Toll-Like Receptor-4 Disruption Suppresses Adipose Tissue Remodeling and Increases Survival in Cancer Cachexia Syndrome. *Scientific Reports*, **2018**, 8, 18024	4.9	26
89	Aortic carboxypeptidase-like protein enhances adipose tissue stromal progenitor differentiation into myofibroblasts and is upregulated in fibrotic white adipose tissue. *PLoS ONE*, **2018**, 13, e0197777	3.7	10
88	Myocardin-Related Transcription Factor A Promotes Recruitment of ITGA5+ Profibrotic Progenitors during Obesity-Induced Adipose Tissue Fibrosis. *Cell Reports*, **2018**, 23, 1977-1987	10.6	18
87	Morphogenetics in brown, beige and white fat development. *Adipocyte*, **2016**, 5, 130-5	3.2	9
86	Browning of White Adipose Tissue with Roscovitine Induces a Distinct Population of UCP1 Adipocytes. *Cell Metabolism*, **2016**, 24, 835-847	24.6	80

85	LSD1-a pivotal epigenetic regulator of brown and beige fat differentiation and homeostasis. *Genes and Development*, **2016**, 30, 1793-5	12.6	3
84	Myocardin-related transcription factor A (MRTFA) regulates the fate of bone marrow mesenchymal stem cells and its absence in mice leads to osteopenia. *Molecular Metabolism*, **2016**, 5, 970-979	8.8	16
83	Pioglitazone treatment increases survival and prevents body weight loss in tumor-bearing animals: possible anti-cachectic effect. *PLoS ONE*, **2015**, 10, e0122660	3.7	22
82	Myocardin-related transcription factor A regulates conversion of progenitors to beige adipocytes. *Cell*, **2015**, 160, 105-18	56.2	103
81	Ablation of TRIP-Br2, a regulator of fat lipolysis, thermogenesis and oxidative metabolism, prevents diet-induced obesity and insulin resistance. *Nature Medicine*, **2013**, 19, 217-26	50.5	54
80	Heterogeneous time-dependent response of adipose tissue during the development of cancer cachexia. *Journal of Endocrinology*, **2012**, 215, 363-73	4.7	42
79	Brown remodeling of white adipose tissue by SirT1-dependent deacetylation of Ppar□*Cell*, **2012**, 150, 620-32	56.2	541
78	Roles for peroxisome proliferator-activated receptor □(PPAR)□and PPAR□coactivators 1□and 1□ in regulating response of white and brown adipocytes to hypoxia. *Journal of Biological Chemistry*, **2012**, 287, 18351-8	5.4	25
77	Adipose tissue inflammation and cancer cachexia: possible role of nuclear transcription factors. *Cytokine*, **2012**, 57, 9-16	4	62
76	Recruitment of brown adipose tissue as a therapy for obesity-associated diseases. *Frontiers in Endocrinology*, **2012**, 3, 14	5.7	51
75	The multi-level action of fatty acids on adiponectin production by fat cells. *PLoS ONE*, **2011**, 6, e28146	3.7	29
74	SIRT1 controls lipolysis in adipocytes via FOXO1-mediated expression of ATGL. *Journal of Lipid Research*, **2011**, 52, 1693-701	6.3	117
73	Mechanisms regulating repression of haptoglobin production by peroxisome proliferator-activated receptor-gamma ligands in adipocytes. *Endocrinology*, **2010**, 151, 586-94	4.8	17
72	Brown adipose tissue: a promising target to combat obesity. *Drug News and Perspectives*, **2010**, 23, 409-17		18
71	Transcriptional Control of Gene Expression in Different Adipose Tissue Depots. *Research and Perspectives in Endocrine Interactions*, **2010**, 93-100		
70	Adipocyte differentiation is inhibited by melatonin through the regulation of C/EBPbeta transcriptional activity. *Journal of Pineal Research*, **2009**, 47, 221-7	10.4	71
69	Mechanisms of obesity and related pathologies: transcriptional control of adipose tissue development. *FEBS Journal*, **2009**, 276, 5729-37	5.7	17
68	C/EBPalpha and the corepressors CtBP1 and CtBP2 regulate repression of select visceral white adipose genes during induction of the brown phenotype in white adipocytes by peroxisome proliferator-activated receptor gamma agonists. *Molecular and Cellular Biology*, **2009**, 29, 4714-28	4.8	151

67	Brown fat and skeletal muscle: unlikely cousins?. *Cell*, **2008**, 134, 726-7	56.2	46
66	Molecular determinants of brown adipocyte formation and function. *Genes and Development*, **2008**, 22, 1269-75	12.6	130
65	Identification of a domain within peroxisome proliferator-activated receptor gamma regulating expression of a group of genes containing fibroblast growth factor 21 that are selectively repressed by SIRT1 in adipocytes. *Molecular and Cellular Biology*, **2008**, 28, 188-200	4.8	158
64	Cell Differentiation. *Current Opinion in Cell Biology*, **2007**, 19, 603-604	9	1
63	TRB3 blocks adipocyte differentiation through the inhibition of C/EBPbeta transcriptional activity. *Molecular and Cellular Biology*, **2007**, 27, 6818-31	4.8	71
62	Peroxisome proliferator-activated receptor gamma interacts with CIITA x RFX5 complex to repress type I collagen gene expression. *Journal of Biological Chemistry*, **2007**, 282, 26046-56	5.4	17
61	Adiponectin secretion is regulated by SIRT1 and the endoplasmic reticulum oxidoreductase Ero1-L alpha. *Molecular and Cellular Biology*, **2007**, 27, 4698-707	4.8	236
60	Thiazolidinediones can rapidly activate AMP-activated protein kinase in mammalian tissues. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E175-81	6	227
59	Increased CUG triplet repeat-binding protein-1 predisposes to impaired adipogenesis with aging. *Journal of Biological Chemistry*, **2006**, 281, 23025-33	5.4	51
58	Functional interaction between peroxisome proliferator-activated receptor gamma and beta-catenin. *Molecular and Cellular Biology*, **2006**, 26, 5827-37	4.8	189
57	Activation of CCAAT/enhancer-binding protein (C/EBP) alpha expression by C/EBP beta during adipogenesis requires a peroxisome proliferator-activated receptor-gamma-associated repression of HDAC1 at the C/ebp alpha gene promoter. *Journal of Biological Chemistry*, **2006**, 281, 7960-7	5.4	149
56	Transcriptional control of adipocyte formation. *Cell Metabolism*, **2006**, 4, 263-73	24.6	1340
55	C/EBPalpha-dependent induction of glutathione S-transferase zeta/maleylacetoacetate isomerase (GSTzeta/MAAI) expression during the differentiation of mouse fibroblasts into adipocytes. *Biochemical and Biophysical Research Communications*, **2006**, 340, 845-51	3.4	11
54	PPARgamma2 regulates lipogenesis and lipid accumulation in steatotic hepatocytes. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E1195-205	6	286
53	Regulating the balance between peroxisome proliferator-activated receptor gamma and beta-catenin signaling during adipogenesis. A glycogen synthase kinase 3beta phosphorylation-defective mutant of beta-catenin inhibits expression of a subset of adipogenic genes. *Journal of Biological Chemistry*, **2004**, 279, 45020-7	5.4	161
52	Glut4 storage vesicles without Glut4: transcriptional regulation of insulin-dependent vesicular traffic. *Molecular and Cellular Biology*, **2004**, 24, 7151-62	4.8	34
51	Phosphorylation of C/EBPbeta at a consensus extracellular signal-regulated kinase/glycogen synthase kinase 3 site is required for the induction of adiponectin gene expression during the differentiation of mouse fibroblasts into adipocytes. *Molecular and Cellular Biology*, **2004**, 24, 8671-80	4.8	155
50	The forkhead transcription factor FoxC2 inhibits white adipocyte differentiation. *Journal of Biological Chemistry*, **2004**, 279, 42453-61	5.4	57

49	Adipose tissue: new therapeutic targets from molecular and genetic studies--IASO Stock Conference 2003 report. *Obesity Reviews*, **2004**, 5, 189-96	10.6	26
48	The forkhead transcription factor Foxo1: a possible link between obesity and insulin resistance. *Molecular Cell*, **2003**, 11, 6-8	17.6	39
47	Peroxisome-proliferator-activated receptor gamma suppresses Wnt/beta-catenin signalling during adipogenesis. *Biochemical Journal*, **2003**, 376, 607-13	3.8	235
46	Octanoate attenuates adipogenesis in 3T3-L1 preadipocytes. *Journal of Nutrition*, **2002**, 132, 904-10	4.1	41
45	Activation of MEK/ERK signaling promotes adipogenesis by enhancing peroxisome proliferator-activated receptor gamma (PPARgamma) and C/EBPalpha gene expression during the differentiation of 3T3-L1 preadipocytes. *Journal of Biological Chemistry*, **2002**, 277, 46226-32	5.4	391
44	PPAR In Adipogenesis and Insulin Resistance. *Medical Science Symposia Series*, **2002**, 123-130		
43	PPAR A Regulator of Growth and Differentiation. *Medical Science Symposia Series*, **2002**, 135-141		
42	Regulation of the Cell Cycle by Peroxisome Proliferator Activated Receptor Gamma (PPAR) **2002**, 191-205		0
41	A role for C/EBPbeta in regulating peroxisome proliferator-activated receptor gamma activity during adipogenesis in 3T3-L1 preadipocytes. *Journal of Biological Chemistry*, **2001**, 276, 18464-71	5.4	205
40	CCAAT/enhancer-binding protein alpha is required for transcription of the beta 3-adrenergic receptor gene during adipogenesis. *Journal of Biological Chemistry*, **2001**, 276, 722-8	5.4	30
39	Nutrition and Adipocyte Gene Expression. *Modern Nutrition*, **2001**, 25-48		
38	Hormonal signaling and transcriptional control of adipocyte differentiation. *Journal of Nutrition*, **2000**, 130, 3116S-3121S	4.1	226
37	Identification and characterization of leptin-containing intracellular compartment in rat adipose cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2000**, 279, E893-9	6	27
36	Reconstitution of insulin-sensitive glucose transport in fibroblasts requires expression of both PPARgamma and C/EBPalpha. *Journal of Biological Chemistry*, **1999**, 274, 7946-51	5.4	169
35	Role of PPARgamma in regulating a cascade expression of cyclin-dependent kinase inhibitors, p18(INK4c) and p21(Waf1/Cip1), during adipogenesis. *Journal of Biological Chemistry*, **1999**, 274, 17088-97	5.4	242
34	Role of PPAR gamma in regulating adipocyte differentiation and insulin-responsive glucose uptake. *Annals of the New York Academy of Sciences*, **1999**, 892, 134-45	6.5	98
33	Insights into the transcriptional control of adipocyte differentiation. *Journal of Cellular Biochemistry*, **1999**, 75, 59-67	4.7	102
32	Tumor necrosis factor-alpha and basic fibroblast growth factor differentially inhibit the insulin-like growth factor-I induced expression of myogenin in C2C12 myoblasts. *Experimental Cell Research*, **1999**, 249, 177-87	4.2	64

31	PPARgamma ligand-dependent induction of STAT1, STAT5A, and STAT5B during adipogenesis. *Biochemical and Biophysical Research Communications*, **1999**, 262, 216-22	3.4	62
30	Insights into the transcriptional control of adipocyte differentiation. *Journal of Cellular Biochemistry*, **1999**, 75, 59-67	4.7	14
29	Insights into the transcriptional control of adipocyte differentiation. *Journal of Cellular Biochemistry*, **1999**, Suppl 32-33, 59-67	4.7	43
28	Effect of insoluble extracellular matrix molecules on Fas expression in epithelial cells. *Journal of Cellular Physiology*, **1998**, 174, 285-92	7	6
27	Liver regeneration following partial hepatectomy: genes and metabolism **1998**, 3-27		9
26	PPARgamma induces the insulin-dependent glucose transporter GLUT4 in the absence of C/EBPalpha during the conversion of 3T3 fibroblasts into adipocytes. *Journal of Clinical Investigation*, **1998**, 101, 22-32	15.9	263
25	Anchorage-dependent control of muscle-specific gene expression in C2C12 mouse myoblasts. *In Vitro Cellular and Developmental Biology - Animal*, **1996**, 32, 90-9	2.6	49
24	The DNA binding activity of C/EBP transcription factor is regulated in the G1 phase of the hepatocyte cell cycle. *Journal of Biological Chemistry*, **1995**, 270, 18123-32	5.4	137
23	Conditional ectopic expression of C/EBP beta in NIH-3T3 cells induces PPAR gamma and stimulates adipogenesis. *Genes and Development*, **1995**, 9, 2350-63	12.6	429
22	Transcriptional regulation of the elastin gene by insulin-like growth factor-I involves disruption of Sp1 binding. Evidence for the role of Rb in mediating Sp1 binding in aortic smooth muscle cells. *Journal of Biological Chemistry*, **1995**, 270, 6555-63	5.4	68
21	Induction of collagen synthesis in response to adhesion and TGF beta is dependent on the actin-containing cytoskeleton. *Advances in Experimental Medicine and Biology*, **1994**, 358, 159-68	3.6	3
20	Switching from differentiation to growth in hepatocytes: control by extracellular matrix. *Journal of Cellular Physiology*, **1992**, 151, 497-505	7	394
19	Differential regulation of glucose transporter 1 and 2 mRNA expression by epidermal growth factor and transforming growth factor-beta in rat hepatocytes. *Journal of Cellular Physiology*, **1992**, 153, 288-96	7	24
18	Constitutive expression of growth-related mRNAs in proliferating and nonproliferating lung epithelial cells in primary culture: evidence for growth-dependent translational control. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 318-22	11.5	36
17	Cyclic adenosine monophosphate-mediated induction of F9 teratocarcinoma differentiation in the absence of retinoic acid. *Journal of Cellular Physiology*, **1990**, 143, 205-12	7	8
16	Effects of extracellular matrix on hepatocyte growth and gene expression: implications for hepatic regeneration and the repair of liver injury. *Seminars in Liver Disease*, **1990**, 10, 11-9	7.3	69
15	Cell Shape and Growth Control: Role of Cytoskeleton□Extracellular Matrix Interactions **1989**, 173-202		4
14	The pattern of cytokeratin synthesis is a marker of type 2 cell differentiation in adult and maturing fetal lung alveolar cells. *Developmental Biology*, **1988**, 129, 505-15	3.1	52

13	Cell-cell and cell-matrix interactions differentially regulate the expression of hepatic and cytoskeletal genes in primary cultures of rat hepatocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 2161-5	11.5	463
12	Cell adhesion induces expression of growth-associated genes in suspension-arrested fibroblasts. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 6792-6	11.5	162
11	Differential expression of the beta-tubulin multigene family during rat brain development. *Annals of the New York Academy of Sciences*, **1986**, 466, 41-50	6.5	16
10	Actin **1986**, 131-149		6
9	Decreases in tubulin and actin gene expression prior to morphological differentiation of 3T3 adipocytes. *Cell*, **1982**, 29, 53-60	56.2	268
8	Nucleotide sequence and evolution of a mammalian alpha-tubulin messenger RNA. *Journal of Molecular Biology*, **1981**, 151, 101-20	6.5	275
7	Protein synthesis requires cell-surface contact while nuclear events respond to cell shape in anchorage-dependent fibroblasts. *Cell*, **1980**, 21, 365-72	56.2	337
6	Mechanisms of regulating tubulin synthesis in cultured mammalian cells. *Cell*, **1979**, 17, 319-25	56.2	322
5	Translation of Xenopus vitellogenin mRNA during primary and secondary induction. *Nature*, **1978**, 273, 401-3	50.4	48
4	Altered translatability of messenger RNA from suspended anchorage-dependent fibroblasts: reversal upon cell attachment to a surface. *Cell*, **1978**, 15, 627-37	56.2	154
3	Characterization of polysomes from Xenopus liver synthesizing vitellogenin and translation of vitellogenin and albumin messenger RNAs in vitro. *FEBS Journal*, **1976**, 62, 161-71		75
2	PPARs, Cell Differentiation, and Glucose Homeostasis309-326		
1	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response		1