

Stephen R Farmer

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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	Transcriptional control of adipocyte formation. <i>Cell Metabolism</i> , 2006 , 4, 263-73	24.6	1340
101	Brown remodeling of white adipose tissue by SirT1-dependent deacetylation of Ppar α <i>Cell</i> , 2012 , 150, 620-32	56.2	541
100	Cell-cell and cell-matrix interactions differentially regulate the expression of hepatic and cytoskeletal genes in primary cultures of rat hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 2161-5	11.5	463
99	Conditional ectopic expression of C/EBP beta in NIH-3T3 cells induces PPAR gamma and stimulates adipogenesis. <i>Genes and Development</i> , 1995 , 9, 2350-63	12.6	429
98	Switching from differentiation to growth in hepatocytes: control by extracellular matrix. <i>Journal of Cellular Physiology</i> , 1992 , 151, 497-505	7	394
97	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. <i>Journal of Biological Chemistry</i> , 2002 , 277, 46226-32	5.4	391
96	Protein synthesis requires cell-surface contact while nuclear events respond to cell shape in anchorage-dependent fibroblasts. <i>Cell</i> , 1980 , 21, 365-72	56.2	337
95	Mechanisms of regulating tubulin synthesis in cultured mammalian cells. <i>Cell</i> , 1979 , 17, 319-25	56.2	322
94	PPARgamma2 regulates lipogenesis and lipid accumulation in steatotic hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E1195-205	6	286
93	Nucleotide sequence and evolution of a mammalian alpha-tubulin messenger RNA. <i>Journal of Molecular Biology</i> , 1981 , 151, 101-20	6.5	275
92	Decreases in tubulin and actin gene expression prior to morphological differentiation of 3T3 adipocytes. <i>Cell</i> , 1982 , 29, 53-60	56.2	268
91	PPARgamma induces the insulin-dependent glucose transporter GLUT4 in the absence of C/EBPalpha during the conversion of 3T3 fibroblasts into adipocytes. <i>Journal of Clinical Investigation</i> , 1998 , 101, 22-32	15.9	263
90	Role of PPARgamma in regulating a cascade expression of cyclin-dependent kinase inhibitors, p18(INK4c) and p21(Waf1/Cip1), during adipogenesis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 17088-97	5.4	242
89	Adiponectin secretion is regulated by SIRT1 and the endoplasmic reticulum oxidoreductase Ero1-L alpha. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4698-707	4.8	236
88	Peroxisome-proliferator-activated receptor gamma suppresses Wnt/beta-catenin signalling during adipogenesis. <i>Biochemical Journal</i> , 2003 , 376, 607-13	3.8	235
87	Thiazolidinediones can rapidly activate AMP-activated protein kinase in mammalian tissues. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E175-81	6	227
86	Hormonal signaling and transcriptional control of adipocyte differentiation. <i>Journal of Nutrition</i> , 2000 , 130, 3116S-3121S	4.1	226

85	A role for C/EBPbeta in regulating peroxisome proliferator-activated receptor gamma activity during adipogenesis in 3T3-L1 preadipocytes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18464-71	5.4	205
84	Functional interaction between peroxisome proliferator-activated receptor gamma and beta-catenin. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5827-37	4.8	189
83	Reconstitution of insulin-sensitive glucose transport in fibroblasts requires expression of both PPARgamma and C/EBPalph. <i>Journal of Biological Chemistry</i> , 1999 , 274, 7946-51	5.4	169
82	Cell adhesion induces expression of growth-associated genes in suspension-arrested fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 6792-6	11.5	162
81	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. <i>Journal of Biological Chemistry</i> , 2004 , 279, 45020-7	5.4	161
80	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. <i>Molecular and Cellular Biology</i> , 2008 , 28, 188-200	4.8	158
79	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. <i>Molecular and Cellular Biology</i> , 2004 , 24, 8671-80	4.8	155
78	Altered translatability of messenger RNA from suspended anchorage-dependent fibroblasts: reversal upon cell attachment to a surface. <i>Cell</i> , 1978 , 15, 627-37	56.2	154
77	C/EBPalph 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. <i>Molecular and Cellular Biology</i> , 2009 , 29, 4714-28	4.8	151
76	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. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7960-7	5.4	149
75	The DNA binding activity of C/EBP transcription factor is regulated in the G1 phase of the hepatocyte cell cycle. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18123-32	5.4	137
74	Molecular determinants of brown adipocyte formation and function. <i>Genes and Development</i> , 2008 , 22, 1269-75	12.6	130
73	SIRT1 controls lipolysis in adipocytes via FOXO1-mediated expression of ATGL. <i>Journal of Lipid Research</i> , 2011 , 52, 1693-701	6.3	117
72	Myocardin-related transcription factor A regulates conversion of progenitors to beige adipocytes. <i>Cell</i> , 2015 , 160, 105-18	56.2	103
71	Insights into the transcriptional control of adipocyte differentiation. <i>Journal of Cellular Biochemistry</i> , 1999 , 75, 59-67	4.7	102
70	Role of PPAR gamma in regulating adipocyte differentiation and insulin-responsive glucose uptake. <i>Annals of the New York Academy of Sciences</i> , 1999 , 892, 134-45	6.5	98
69	Browning of White Adipose Tissue with Roscovitine Induces a Distinct Population of UCP1 Adipocytes. <i>Cell Metabolism</i> , 2016 , 24, 835-847	24.6	80
68	Characterization of polysomes from <i>Xenopus</i> liver synthesizing vitellogenin and translation of vitellogenin and albumin messenger RNAs in vitro. <i>FEBS Journal</i> , 1976 , 62, 161-71		75

67	Adipocyte differentiation is inhibited by melatonin through the regulation of C/EBPbeta transcriptional activity. <i>Journal of Pineal Research</i> , 2009 , 47, 221-7	10.4	71
66	TRB3 blocks adipocyte differentiation through the inhibition of C/EBPbeta transcriptional activity. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6818-31	4.8	71
65	Effects of extracellular matrix on hepatocyte growth and gene expression: implications for hepatic regeneration and the repair of liver injury. <i>Seminars in Liver Disease</i> , 1990 , 10, 11-9	7.3	69
64	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. <i>Journal of Biological Chemistry</i> , 1995 , 270, 6555-63	5.4	68
63	Tumor necrosis factor-alpha and basic fibroblast growth factor differentially inhibit the insulin-like growth factor-I induced expression of myogenin in C2C12 myoblasts. <i>Experimental Cell Research</i> , 1999 , 249, 177-87	4.2	64
62	Adipose tissue inflammation and cancer cachexia: possible role of nuclear transcription factors. <i>Cytokine</i> , 2012 , 57, 9-16	4	62
61	PPARgamma ligand-dependent induction of STAT1, STAT5A, and STAT5B during adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 262, 216-22	3.4	62
60	The forkhead transcription factor FoxC2 inhibits white adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42453-61	5.4	57
59	Ablation of TRIP-Br2, a regulator of fat lipolysis, thermogenesis and oxidative metabolism, prevents diet-induced obesity and insulin resistance. <i>Nature Medicine</i> , 2013 , 19, 217-26	50.5	54
58	The pattern of cytokeratin synthesis is a marker of type 2 cell differentiation in adult and maturing fetal lung alveolar cells. <i>Developmental Biology</i> , 1988 , 129, 505-15	3.1	52
57	Recruitment of brown adipose tissue as a therapy for obesity-associated diseases. <i>Frontiers in Endocrinology</i> , 2012 , 3, 14	5.7	51
56	Increased CUG triplet repeat-binding protein-1 predisposes to impaired adipogenesis with aging. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23025-33	5.4	51
55	Anchorage-dependent control of muscle-specific gene expression in C2C12 mouse myoblasts. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1996 , 32, 90-9	2.6	49
54	Translation of Xenopus vitellogenin mRNA during primary and secondary induction. <i>Nature</i> , 1978 , 273, 401-3	50.4	48
53	Brown fat and skeletal muscle: unlikely cousins?. <i>Cell</i> , 2008 , 134, 726-7	56.2	46
52	Insights into the transcriptional control of adipocyte differentiation. <i>Journal of Cellular Biochemistry</i> , 1999 , Suppl 32-33, 59-67	4.7	43
51	Heterogeneous time-dependent response of adipose tissue during the development of cancer cachexia. <i>Journal of Endocrinology</i> , 2012 , 215, 363-73	4.7	42
50	Octanoate attenuates adipogenesis in 3T3-L1 preadipocytes. <i>Journal of Nutrition</i> , 2002 , 132, 904-10	4.1	41

49	The forkhead transcription factor Foxo1: a possible link between obesity and insulin resistance. <i>Molecular Cell</i> , 2003 , 11, 6-8	17.6	39
48	Constitutive expression of growth-related mRNAs in proliferating and nonproliferating lung epithelial cells in primary culture: evidence for growth-dependent translational control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 318-22	11.5	36
47	Glut4 storage vesicles without Glut4: transcriptional regulation of insulin-dependent vesicular traffic. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7151-62	4.8	34
46	CCAAT/enhancer-binding protein alpha is required for transcription of the beta 3-adrenergic receptor gene during adipogenesis. <i>Journal of Biological Chemistry</i> , 2001 , 276, 722-8	5.4	30
45	The multi-level action of fatty acids on adiponectin production by fat cells. <i>PLoS ONE</i> , 2011 , 6, e28146	3.7	29
44	Identification and characterization of leptin-containing intracellular compartment in rat adipose cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 279, E893-9	6	27
43	CDK6 inhibits white to beige fat transition by suppressing RUNX1. <i>Nature Communications</i> , 2018 , 9, 10231	7.4	26
42	Adipose tissue: new therapeutic targets from molecular and genetic studies--IASO Stock Conference 2003 report. <i>Obesity Reviews</i> , 2004 , 5, 189-96	10.6	26
41	Toll-Like Receptor-4 Disruption Suppresses Adipose Tissue Remodeling and Increases Survival in Cancer Cachexia Syndrome. <i>Scientific Reports</i> , 2018 , 8, 18024	4.9	26
40	Roles for peroxisome proliferator-activated receptor α (PPAR α) and PPAR α coactivators 1 α and 1 β in regulating response of white and brown adipocytes to hypoxia. <i>Journal of Biological Chemistry</i> , 2012 , 287, 18351-8	5.4	25
39	CIDEA Transcriptionally Regulates UCP1 for Britening and Thermogenesis in Human Fat Cells. <i>iScience</i> , 2019 , 20, 73-89	6.1	24
38	Differential regulation of glucose transporter 1 and 2 mRNA expression by epidermal growth factor and transforming growth factor-beta in rat hepatocytes. <i>Journal of Cellular Physiology</i> , 1992 , 153, 288-96	7	24
37	Pioglitazone treatment increases survival and prevents body weight loss in tumor-bearing animals: possible anti-cachectic effect. <i>PLoS ONE</i> , 2015 , 10, e0122660	3.7	22
36	The Adipocyte Acquires a Fibroblast-Like Transcriptional Signature in Response to a High Fat Diet. <i>Scientific Reports</i> , 2020 , 10, 2380	4.9	21
35	Brown adipose tissue: a promising target to combat obesity. <i>Drug News and Perspectives</i> , 2010 , 23, 409-17		18
34	Myocardin-Related Transcription Factor A Promotes Recruitment of ITGA5+ Profibrotic Progenitors during Obesity-Induced Adipose Tissue Fibrosis. <i>Cell Reports</i> , 2018 , 23, 1977-1987	10.6	18
33	Mechanisms regulating repression of haptoglobin production by peroxisome proliferator-activated receptor-gamma ligands in adipocytes. <i>Endocrinology</i> , 2010 , 151, 586-94	4.8	17
32	Mechanisms of obesity and related pathologies: transcriptional control of adipose tissue development. <i>FEBS Journal</i> , 2009 , 276, 5729-37	5.7	17

31	Peroxisome proliferator-activated receptor gamma interacts with CIITA x RFX5 complex to repress type I collagen gene expression. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26046-56	5.4	17
30	Differential expression of the beta-tubulin multigene family during rat brain development. <i>Annals of the New York Academy of Sciences</i> , 1986 , 466, 41-50	6.5	16
29	Myocardin-related transcription factor A (MRTFA) regulates the fate of bone marrow mesenchymal stem cells and its absence in mice leads to osteopenia. <i>Molecular Metabolism</i> , 2016 , 5, 970-979	8.8	16
28	Insights into the transcriptional control of adipocyte differentiation. <i>Journal of Cellular Biochemistry</i> , 1999 , 75, 59-67	4.7	14
27	Boning Up on Irisin. <i>New England Journal of Medicine</i> , 2019 , 380, 1480-1482	59.2	13
26	C/EBPalpha-dependent induction of glutathione S-transferase zeta/maleylacetoacetate isomerase (GSTzeta/MAAI) expression during the differentiation of mouse fibroblasts into adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 845-51	3.4	11
25	Aortic carboxypeptidase-like protein enhances adipose tissue stromal progenitor differentiation into myofibroblasts and is upregulated in fibrotic white adipose tissue. <i>PLoS ONE</i> , 2018 , 13, e0197777	3.7	10
24	Morphogenetics in brown, beige and white fat development. <i>Adipocyte</i> , 2016 , 5, 130-5	3.2	9
23	Liver regeneration following partial hepatectomy: genes and metabolism 1998 , 3-27		9
22	Cyclic adenosine monophosphate-mediated induction of F9 teratocarcinoma differentiation in the absence of retinoic acid. <i>Journal of Cellular Physiology</i> , 1990 , 143, 205-12	7	8
21	Triphenyl phosphate is a selective PPAR γ modulator that does not induce brite adipogenesis in vitro and in vivo. <i>Archives of Toxicology</i> , 2020 , 94, 3087-3103	5.8	7
20	Shifts of Immune Cell Populations Differ in Response to Different Effectors of Beige Remodeling of Adipose Tissue. <i>iScience</i> , 2020 , 23, 101765	6.1	6
19	Effect of insoluble extracellular matrix molecules on Fas expression in epithelial cells. <i>Journal of Cellular Physiology</i> , 1998 , 174, 285-92	7	6
18	Actin 1986 , 131-149		6
17	Cell Shape and Growth Control: Role of Cytoskeleton-Extracellular Matrix Interactions 1989 , 173-202		4
16	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response. <i>Cells</i> , 2021 , 10,	7.9	3
15	Adipocyte-derived exosomes may promote breast cancer progression in type 2 diabetes. <i>Science Signaling</i> , 2021 , 14, eabj2807	8.8	3
14	LSD1-a pivotal epigenetic regulator of brown and beige fat differentiation and homeostasis. <i>Genes and Development</i> , 2016 , 30, 1793-5	12.6	3

13	Induction of collagen synthesis in response to adhesion and TGF beta is dependent on the actin-containing cytoskeleton. <i>Advances in Experimental Medicine and Biology</i> , 1994 , 358, 159-68	3.6	3
12	Adipose Progenitor Cells Contribute to Lipid Spillover during Obesity. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 416-418	8.8	1
11	Cell Differentiation. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 603-604	9	1
10	The cyclin dependent kinase inhibitor Roscovitine prevents diet-induced metabolic disruption in obese mice. <i>Scientific Reports</i> , 2021 , 11, 20365	4.9	1
9	Aortic carboxypeptidase-like protein regulates vascular adventitial progenitor and fibroblast differentiation through myocardin related transcription factor A. <i>Scientific Reports</i> , 2021 , 11, 3948	4.9	1
8	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response		1
7	Regulation of the Cell Cycle by Peroxisome Proliferator [Activated Receptor Gamma (PPAR)] 2002 , 191-205		0
6	PPARs, Cell Differentiation, and Glucose Homeostasis309-326		
5	PPAR γ in Adipogenesis and Insulin Resistance. <i>Medical Science Symposia Series</i> , 2002 , 123-130		
4	PPAR α Regulator of Growth and Differentiation. <i>Medical Science Symposia Series</i> , 2002 , 135-141		
3	Nutrition and Adipocyte Gene Expression. <i>Modern Nutrition</i> , 2001 , 25-48		
2	Unraveling the complexity of thermogenic remodeling of white fat reveals potential antiobesity therapies. <i>Genes and Development</i> , 2021 , 35, 1395-1397	12.6	
1	Transcriptional Control of Gene Expression in Different Adipose Tissue Depots. <i>Research and Perspectives in Endocrine Interactions</i> , 2010 , 93-100		