Stephen R Farmer

List of Publications by Year
in descending order

104 papers	12,316 citations	38742 50 h-index	40979 93 g-index
111 all docs	111 docs citations	111 times ranked	12808 citing authors

#	Article	IF	Citations
1	Transcriptional control of adipocyte formation. Cell Metabolism, 2006, 4, 263-273.	16.2	1,549
2	Brown Remodeling of White Adipose Tissue by SirT1-Dependent Deacetylation of PparÎ³. Cell, 2012, 150, 620-632.	28.9	664
3	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, 2161-2165.	7.1	512
4	Conditional ectopic expression of C/EBP beta in NIH-3T3 cells induces PPAR gamma and stimulates adipogenesis.. Genes and Development, 1995, 9, 2350-2363.	5.9	483
5	Activation of MEK/ERK Signaling Promotes Adipogenesis by Enhancing Peroxisome Proliferator-activated Receptor Î³ (PPARÎ³) and C/EBPÎ± Gene Expression during the Differentiation of 3T3-L1 Preadipocytes. Journal of Biological Chemistry, 2002, 277, 46226-46232.	3.4	460
6	Switching from differentiation to growth in hepatocytes: Control by extracellular matrix. Journal of Cellular Physiology, 1992, 151, 497-505.	4.1	449
7	Protein synthesis requires cell-surface contact while nuclear events respond to cell shape in anchorage-dependent fibroblasts. Cell, 1980, 21, 365-372.	28.9	367
8	Mechanisms of regulating tubulin synthesis in cultured mammalian cells. Cell, 1979, 17, 319-325.	28.9	358
9	PPARÎ³2 regulates lipogenesis and lipid accumulation in steatotic hepatocytes. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E1195-E1205.	3.5	342
10	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.	8.2	300
11	Nucleotide sequence and evolution of a mammalian Î±-Tubulin messenger RNA. Journal of Molecular Biology, 1981, 151, 101-120.	4.2	294
12	Decreases in tubulin and actin gene expression prior to morphological differentiation of 3T3 Adipocytes. Cell, 1982, 29, 53-60.	28.9	293
13	Role of PPARÎ³ in Regulating a Cascade Expression of Cyclin-dependent Kinase Inhibitors, p18(INK4c) and p21(Waf1/Cip1), during Adipogenesis. Journal of Biological Chemistry, 1999, 274, 17088-17097.	3.4	275
14	Peroxisome-proliferator-activated receptor Î³ suppresses Wnt/Î²-catenin signalling during adipogenesis. Biochemical Journal, 2003, 376, 607-613.	3.7	269
15	Adiponectin Secretion Is Regulated by SIRT1 and the Endoplasmic Reticulum Oxidoreductase Ero1-LÎ±. Molecular and Cellular Biology, 2007, 27, 4698-4707.	2.3	257
16	Hormonal Signaling and Transcriptional Control of Adipocyte Differentiation. Journal of Nutrition, 2000, 130, 3116S-3121S.	2.9	254
17	Thiazolidinediones can rapidly activate AMP-activated protein kinase in mammalian tissues. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E175-E181.	3.5	247
18	A Role for C/EBPÎ² in Regulating Peroxisome Proliferator-activated Receptor Î³ Activity during Adipogenesis in 3T3-L1 Preadipocytes. Journal of Biological Chemistry, 2001, 276, 18464-18471.	3.4	238

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19	Functional Interaction between Peroxisome Proliferator-Activated Receptor Î³ and Î²-Catenin. Molecular and Cellular Biology, 2006, 26, 5827-5837.	2.3	214
20	Reconstitution of Insulin-sensitive Glucose Transport in Fibroblasts Requires Expression of Both PPARÎ³ and C/EBPÎ±. Journal of Biological Chemistry, 1999, 274, 7946-7951.	3.4	188
21	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, 6792-6796.	7.1	176
22	Regulating the Balance between Peroxisome Proliferator-activated Receptor Î³ and Î²-Catenin Signaling during Adipogenesis. Journal of Biological Chemistry, 2004, 279, 45020-45027.	3.4	171
23	Activation of CCAAT/Enhancer-binding Protein (C/EBP) Î± Expression by C/EBPÎ² during Adipogenesis Requires a Peroxisome Proliferator-activated Receptor-Î³-associated Repression of HDAC1 at the C/ebpÎ± Gene Promoter. Journal of Biological Chemistry, 2006, 281, 7960-7967.	3.4	171
24	Identification of a Domain within Peroxisome Proliferator-Activated Receptor Î³ 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.	2.3	171
25	C/EBPÎ± 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 Î³ Agonists. Molecular and Cellular Biology, 2009, 29, 4714-4728.	2.3	170
26	Phosphorylation of C/EBPÎ² 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, 8671-8680.	2.3	168
27	Altered translatability of messenger RNA from suspended anchorage-dependent fibroblasts: Reversal upon cell attachment to a surface. Cell, 1978, 15, 627-637.	28.9	164
28	Molecular determinants of brown adipocyte formation and function: Figure 1.. Genes and Development, 2008, 22, 1269-1275.	5.9	147
29	The DNA Binding Activity of C/EBP Transcription Factors Is Regulated in the G1 Phase of the Hepatocyte Cell Cycle. Journal of Biological Chemistry, 1995, 270, 18123-18132.	3.4	145
30	SIRT1 controls lipolysis in adipocytes via FOXO1-mediated expression of ATGL. Journal of Lipid Research, 2011, 52, 1693-1701.	4.2	144
31	Myocardin-Related Transcription Factor A Regulates Conversion of Progenitors to Beige Adipocytes. Cell, 2015, 160, 105-118.	28.9	129
32	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	119
33	Browning of White Adipose Tissue with Roscovitine Induces a Distinct Population of UCP1 + Adipocytes. Cell Metabolism, 2016, 24, 835-847.	16.2	113
34	Role of PPARÎ³ in Regulating Adipocyte Differentiation and Insulinâ€Responsive Glucose Uptake. Annals of the New York Academy of Sciences, 1999, 892, 134-145.	3.8	107
35	Adipocyte differentiation is inhibited by melatonin through the regulation of C/EBPÎ² transcriptional activity. Journal of Pineal Research, 2009, 47, 221-227.	7.4	88
36	TRB3 Blocks Adipocyte Differentiation through the Inhibition of C/EBPÎ² Transcriptional Activity. Molecular and Cellular Biology, 2007, 27, 6818-6831.	2.3	80

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37	Adipose tissue inflammation and cancer cachexia: Possible role of nuclear transcription factors. Cytokine, 2012, 57, 9-16.	3.2	79
38	Transcriptional Regulation of the Elastin Gene by Insulin-like Growth Factor-I Involves Disruption of Sp1 Binding. Journal of Biological Chemistry, 1995, 270, 6555-6563.	3.4	78
39	Characterization of Polysomes from Xenopus Liver Synthesizing Vitellogenin and Translation of Vitellogenin and Albumin Messenger RNA's in vitro. FEBS Journal, 1976, 62, 161-171.	0.2	77
40	The Forkhead Transcription Factor FoxC2 Inhibits White Adipocyte Differentiation. Journal of Biological Chemistry, 2004, 279, 42453-42461.	3.4	74
41	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, 11-19.	3.6	73
42	PPARÎ³ Ligand-Dependent Induction of STAT1, STAT5A, and STAT5B during Adipogenesis. Biochemical and Biophysical Research Communications, 1999, 262, 216-222.	2.1	72
43	Tumor Necrosis Factor-Î± 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, 177-187.	2.6	66
44	Ablation of TRIP-Br2, a regulator of fat lipolysis, thermogenesis and oxidative metabolism, prevents diet-induced obesity and insulin resistance. Nature Medicine, 2013, 19, 217-226.	30.7	65
45	Recruitment of Brown Adipose Tissue as a Therapy for Obesity-Associated Diseases. Frontiers in Endocrinology, 2012, 3, 14.	3.5	62
46	Heterogeneous time-dependent response of adipose tissue during the development of cancer cachexia. Journal of Endocrinology, 2012, 215, 363-373.	2.6	61
47	CDK6 inhibits white to beige fat transition by suppressing RUNX1. Nature Communications, 2018, 9, 1023.	12.8	58
48	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, 505-515.	2.0	56
49	Increased CUG Triplet Repeat-binding Protein-1 Predisposes to Impaired Adipogenesis with Aging. Journal of Biological Chemistry, 2006, 281, 23025-23033.	3.4	56
50	Anchorage-dependent control of muscle-specific gene expression in C2C12 mouse myoblasts. In Vitro Cellular and Developmental Biology - Animal, 1996, 32, 90-99.	1.5	54
51	Brown Fat and Skeletal Muscle: Unlikely Cousins?. Cell, 2008, 134, 726-727.	28.9	54
52	CIDEA Transcriptionally Regulates UCP1 for Britening and Thermogenesis in Human Fat Cells. IScience, 2019, 20, 73-89.	4.1	53
53	Be cool, lose weight. Nature, 2009, 458, 839-840.	27.8	51
54	Translation of Xenopus vitellogenin mRNA during primary and secondary induction. Nature, 1978, 273, 401-403.	27.8	49

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55	The Adipocyte Acquires a Fibroblast-Like Transcriptional Signature in Response to a High Fat Diet. Scientific Reports, 2020, 10, 2380.	3.3	49
56	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	46
57	Octanoate Attenuates Adipogenesis in 3T3-L1 Preadipocytes. Journal of Nutrition, 2002, 132, 904-910.	2.9	45
58	The Forkhead Transcription Factor Foxo1. Molecular Cell, 2003, 11, 6-8.	9.7	45
59	CCAAT/Enhancer-binding Protein Î± Is Required for Transcription of the Î²3-Adrenergic Receptor Gene during Adipogenesis. Journal of Biological Chemistry, 2001, 276, 722-728.	3.4	44
60	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, 318-322.	7.1	37
61	Glut4 Storage Vesicles without Glut4: Transcriptional Regulation of Insulin-Dependent Vesicular Traffic. Molecular and Cellular Biology, 2004, 24, 7151-7162.	2.3	37
62	Adipocyte-derived exosomes may promote breast cancer progression in type 2 diabetes. Science Signaling, 2021, 14, eabj2807.	3.6	37
63	Toll-Like Receptor-4 Disruption Suppresses Adipose Tissue Remodeling and Increases Survival in Cancer Cachexia Syndrome. Scientific Reports, 2018, 8, 18024.	3.3	36
64	The Multi-Level Action of Fatty Acids on Adiponectin Production by Fat Cells. PLoS ONE, 2011, 6, e28146.	2.5	35
65	Identification and characterization of leptin-containing intracellular compartment in rat adipose cells. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E893-E899.	3.5	32
66	Myocardin-Related Transcription Factor A Promotes Recruitment of ITGA5+ Profibrotic Progenitors during Obesity-Induced Adipose Tissue Fibrosis. Cell Reports, 2018, 23, 1977-1987.	6.4	30
67	Pioglitazone Treatment Increases Survival and Prevents Body Weight Loss in Tumorâ€"Bearing Animals: Possible Anti-Cachectic Effect. PLoS ONE, 2015, 10, e0122660.	2.5	29
68	Adipose tissue: new therapeutic targets from molecular and genetic studies - IASO Stock Conference 2003 report. Obesity Reviews, 2004, 5, 189-196.	6.5	27
69	Roles for Peroxisome Proliferator-activated Receptor Î³ (PPARÎ³) and PPARÎ³ Coactivators 1Î± and 1Î² in Regulating Response of White and Brown Adipocytes to Hypoxia. Journal of Biological Chemistry, 2012, 287, 18351-18358.	3.4	26
70	Differential regulation of glucose transporter 1 and 2 mRNA expression by epidermal growth factor and transforming growth factorâ€beta in rat hepatocytes. Journal of Cellular Physiology, 1992, 153, 288-296.	4.1	25
71	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.	6.5	25
72	Peroxisome Proliferator-activated Receptor Î³ Interacts with CIITAÂ·RFX5 Complex to Repress Type I Collagen Gene Expression. Journal of Biological Chemistry, 2007, 282, 26046-26056.	3.4	21

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73	Brown adipose tissue: A promising target to combat obesity. Drug News and Perspectives, 2010, 23, 409.	1.5	21
74	Mechanisms of obesity and related pathologies: Transcriptional control of adipose tissue development. FEBS Journal, 2009, 276, 5729-5737.	4.7	20
75	Obesity-induced senescent macrophages activate a fibrotic transcriptional program in adipocyte progenitors. Life Science Alliance, 2022, 5, e202101286.	2.8	20
76	Differential Expression of the ?-Tubulin Multigene Family during Rat Brain Development. Annals of the New York Academy of Sciences, 1986, 466, 41-50.	3.8	18
77	Boning Up on Irisin. New England Journal of Medicine, 2019, 380, 1480-1482.	27.0	18
78	Mechanisms Regulating Repression of Haptoglobin Production by Peroxisome Proliferator-Activated Receptor-Î³ Ligands in Adipocytes. Endocrinology, 2010, 151, 586-594.	2.8	17
79	Triphenyl phosphate is a selective PPARÎ³ modulator that does not induce brite adipogenesis in vitro and in vivo. Archives of Toxicology, 2020, 94, 3087-3103.	4.2	16
80	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	16
81	Shifts of Immune Cell Populations Differ in Response to Different Effectors of Beige Remodeling of Adipose Tissue. IScience, 2020, 23, 101765.	4.1	15
82	Liver regeneration following partial hepatectomy: genes and metabolism. , 1998, , 3-27.		14
83	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.	2.5	13
84	C/EBPÎ±-dependent induction of glutathione S-transferase Î¶/maleylacetoacetate isomerase (GSTÎ¶/MAAI) expression during the differentiation of mouse fibroblasts into adipocytes. Biochemical and Biophysical Research Communications, 2006, 340, 845-851.	2.1	12
85	Morphogenetics in brown, beige and white fat development. Adipocyte, 2016, 5, 130-135.	2.8	12
86	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response. Cells, 2021, 10, 3073.	4.1	11
87	Cyclic adenosine monophosphate-mediated induction of F9 teratocarcinoma differentiation in the absence of retinoic acid. Journal of Cellular Physiology, 1990, 143, 205-212.	4.1	9
88	Effect of insoluble extracellular matrix molecules on fas expression in epithelial cells. , 1998, 174, 285-292.		8
89	Actin. , 1986, , 131-149.		7
90	LSD1â€"a pivotal epigenetic regulator of brown and beige fat differentiation and homeostasis. Genes and Development, 2016, 30, 1793-1795.	5.9	6

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91	Aortic carboxypeptidase-like protein regulates vascular adventitial progenitor and fibroblast differentiation through myocardin related transcription factor A. Scientific Reports, 2021, 11, 3948.	3.3	6
92	Induction of Collagen Synthesis in Response to Adhesion and TGFÎ² is Dependent on the Actin-Containing Cytoskeleton. Advances in Experimental Medicine and Biology, 1994, 358, 159-168.	1.6	5
93	Cell Shape and Growth Control: Role of Cytoskeletonâ€"Extracellular Matrix Interactions. , 1989, , 173-202.		5
94	Cell differentiation. Current Opinion in Cell Biology, 2007, 19, 603-604.	5.4	1
95	Adipose Progenitor Cells Contribute to Lipid Spillover during Obesity. Trends in Endocrinology and Metabolism, 2019, 30, 416-418.	7.1	1
96	Three-Dimensional Adipocyte Culture as a Model to Study Cachexia-Induced White Adipose Tissue Remodeling. Journal of Visualized Experiments, 2021, , .	0.3	1
97	The cyclin dependent kinase inhibitor Roscovitine prevents diet-induced metabolic disruption in obese mice. Scientific Reports, 2021, 11, 20365.	3.3	1
98	Regulation of the Cell Cycle by Peroxisome Proliferator â€" Activated Receptor Gamma (PPARÎ³). , 2002, , 191-205.		1
99	PPARÎ³ in Adipogenesis and Insulin Resistance. Medical Science Symposia Series, 2002, , 123-130.	0.0	0
100	PPARÎ³: A Regulator of Growth and Differentiation. Medical Science Symposia Series, 2002, , 135-141.	0.0	0
101	PPARs, Cell Differentiation, and Glucose Homeostasis. , 0, , 309-326.		0
102	Transcriptional Control of Gene Expression in Different Adipose Tissue Depots. Research and Perspectives in Endocrine Interactions, 2010, , 93-100.	0.2	0
103	Myocardin-Related Transcription Factor A Promotes Recruitment of ITGA5+ Profibrotic Progenitors During Obesity-Induced Adipose Tissue Fibrosis. SSRN Electronic Journal, 0, , .	0.4	0
104	Unraveling the complexity of thermogenic remodeling of white fat reveals potential antiobesity therapies. Genes and Development, 2021, 35, 1395-1397.	5.9	0