Stephen R Farmer

List of Publications by Year
in descending order

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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	Obesity-induced senescent macrophages activate a fibrotic transcriptional program in adipocyte progenitors. Life Science Alliance, 2022, 5, e202101286.	2.8	20
2	Three-Dimensional Adipocyte Culture as a Model to Study Cachexia-Induced White Adipose Tissue Remodeling. Journal of Visualized Experiments, 2021, , .	0.3	1
3	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
4	The cyclin dependent kinase inhibitor Roscovitine prevents diet-induced metabolic disruption in obese mice. Scientific Reports, 2021, 11, 20365.	3.3	1
5	Unraveling the complexity of thermogenic remodeling of white fat reveals potential antiobesity therapies. Genes and Development, 2021, 35, 1395-1397.	5.9	0
6	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response. Cells, 2021, 10, 3073.	4.1	11
7	Adipocyte-derived exosomes may promote breast cancer progression in type 2 diabetes. Science Signaling, 2021, 14, eabj2807.	3.6	37
8	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
9	Shifts of Immune Cell Populations Differ in Response to Different Effectors of Beige Remodeling of Adipose Tissue. IScience, 2020, 23, 101765.	4.1	15
10	The Adipocyte Acquires a Fibroblast-Like Transcriptional Signature in Response to a High Fat Diet. Scientific Reports, 2020, 10, 2380.	3.3	49
11	CIDEA Transcriptionally Regulates UCP1 for Britening and Thermogenesis in Human Fat Cells. IScience, 2019, 20, 73-89.	4.1	53
12	Adipose Progenitor Cells Contribute to Lipid Spillover during Obesity. Trends in Endocrinology and Metabolism, 2019, 30, 416-418.	7.1	1
13	Boning Up on Irisin. New England Journal of Medicine, 2019, 380, 1480-1482.	27.0	18
14	CDK6 inhibits white to beige fat transition by suppressing RUNX1. Nature Communications, 2018, 9, 1023.	12.8	58
15	Toll-Like Receptor-4 Disruption Suppresses Adipose Tissue Remodeling and Increases Survival in Cancer Cachexia Syndrome. Scientific Reports, 2018, 8, 18024.	3.3	36
16	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
17	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
18	Browning of White Adipose Tissue with Roscovitine Induces a Distinct Population of UCP1 + Adipocytes. Cell Metabolism, 2016, 24, 835-847.	16.2	113

#	ARTICLE	IF	CITATIONS
19	LSD1â€”a pivotal epigenetic regulator of brown and beige fat differentiation and homeostasis. Genes and Development, 2016, 30, 1793-1795.	5.9	6
20	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
21	Morphogenetics in brown, beige and white fat development. Adipocyte, 2016, 5, 130-135.	2.8	12
22	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
23	Myocardin-Related Transcription Factor A Regulates Conversion of Progenitors to Beige Adipocytes. Cell, 2015, 160, 105-118.	28.9	129
24	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
25	Recruitment of Brown Adipose Tissue as a Therapy for Obesity-Associated Diseases. Frontiers in Endocrinology, 2012, 3, 14.	3.5	62
26	Heterogeneous time-dependent response of adipose tissue during the development of cancer cachexia. Journal of Endocrinology, 2012, 215, 363-373.	2.6	61
27	Brown Remodeling of White Adipose Tissue by SirT1-Dependent Deacetylation of PparÎ³. Cell, 2012, 150, 620-632.	28.9	664
28	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
29	Adipose tissue inflammation and cancer cachexia: Possible role of nuclear transcription factors. Cytokine, 2012, 57, 9-16.	3.2	79
30	The Multi-Level Action of Fatty Acids on Adiponectin Production by Fat Cells. PLoS ONE, 2011, 6, e28146.	2.5	35
31	SIRT1 controls lipolysis in adipocytes via FOXO1-mediated expression of ATGL. Journal of Lipid Research, 2011, 52, 1693-1701.	4.2	144
32	Mechanisms Regulating Repression of Haptoglobin Production by Peroxisome Proliferator-Activated Receptor-Î³ Ligands in Adipocytes. Endocrinology, 2010, 151, 586-594.	2.8	17
33	Brown adipose tissue: A promising target to combat obesity. Drug News and Perspectives, 2010, 23, 409.	1.5	21
34	Transcriptional Control of Gene Expression in Different Adipose Tissue Depots. Research and Perspectives in Endocrine Interactions, 2010, , 93-100.	0.2	0
35	Be cool, lose weight. Nature, 2009, 458, 839-840.	27.8	51
36	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

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37	Mechanisms of obesity and related pathologies: Transcriptional control of adipose tissue development. FEBS Journal, 2009, 276, 5729-5737.	4.7	20
38	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
39	Brown Fat and Skeletal Muscle: Unlikely Cousins?. Cell, 2008, 134, 726-727.	28.9	54
40	Molecular determinants of brown adipocyte formation and function: Figure 1.. Genes and Development, 2008, 22, 1269-1275.	5.9	147
41	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
42	TRB3 Blocks Adipocyte Differentiation through the Inhibition of C/EBPÎ² Transcriptional Activity. Molecular and Cellular Biology, 2007, 27, 6818-6831.	2.3	80
43	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
44	Adiponectin Secretion Is Regulated by SIRT1 and the Endoplasmic Reticulum Oxidoreductase Ero1-LÎ±. Molecular and Cellular Biology, 2007, 27, 4698-4707.	2.3	257
45	Cell differentiation. Current Opinion in Cell Biology, 2007, 19, 603-604.	5.4	1
46	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
47	Transcriptional control of adipocyte formation. Cell Metabolism, 2006, 4, 263-273.	16.2	1,549
48	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
49	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
50	Increased CUG Triplet Repeat-binding Protein-1 Predisposes to Impaired Adipogenesis with Aging. Journal of Biological Chemistry, 2006, 281, 23025-23033.	3.4	56
51	Functional Interaction between Peroxisome Proliferator-Activated Receptor Î³ and Î²-Catenin. Molecular and Cellular Biology, 2006, 26, 5827-5837.	2.3	214
52	PPARÎ³2 regulates lipogenesis and lipid accumulation in steatotic hepatocytes. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E1195-E1205.	3.5	342
53	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
54	Glut4 Storage Vesicles without Glut4: Transcriptional Regulation of Insulin-Dependent Vesicular Traffic. Molecular and Cellular Biology, 2004, 24, 7151-7162.	2.3	37

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55	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
56	The Forkhead Transcription Factor FoxC2 Inhibits White Adipocyte Differentiation. Journal of Biological Chemistry, 2004, 279, 42453-42461.	3.4	74
57	Adipose tissue: new therapeutic targets from molecular and genetic studies - IASO Stock Conference 2003 report. Obesity Reviews, 2004, 5, 189-196.	6.5	27
58	The Forkhead Transcription Factor Foxo1. Molecular Cell, 2003, 11, 6-8.	9.7	45
59	Peroxisome-proliferator-activated receptor Î³ suppresses Wnt/Î²-catenin signalling during adipogenesis. Biochemical Journal, 2003, 376, 607-613.	3.7	269
60	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
61	PPARÎ³ in Adipogenesis and Insulin Resistance. Medical Science Symposia Series, 2002, , 123-130.	0.0	0
62	PPARÎ³: A Regulator of Growth and Differentiation. Medical Science Symposia Series, 2002, , 135-141.	0.0	0
63	Octanoate Attenuates Adipogenesis in 3T3-L1 Preadipocytes. Journal of Nutrition, 2002, 132, 904-910.	2.9	45
64	Regulation of the Cell Cycle by Peroxisome Proliferator â€" Activated Receptor Gamma (PPARÎ³). , 2002, , 191-205.		1
65	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
66	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
67	Hormonal Signaling and Transcriptional Control of Adipocyte Differentiation. Journal of Nutrition, 2000, 130, 3116S-3121S.	2.9	254
68	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
69	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
70	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
71	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
72	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	119

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73	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
74	PPARÎ³ Ligand-Dependent Induction of STAT1, STAT5A, and STAT5B during Adipogenesis. Biochemical and Biophysical Research Communications, 1999, 262, 216-222.	2.1	72
75	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	16
76	Insights into the transcriptional control of adipocyte differentiation. Journal of Cellular Biochemistry, 1999, 75, 59-67.	2.6	46
77	Effect of insoluble extracellular matrix molecules on fas expression in epithelial cells. , 1998, 174, 285-292.		8
78	Liver regeneration following partial hepatectomy: genes and metabolism. , 1998, , 3-27.		14
79	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
80	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
81	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
82	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
83	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
84	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
85	Switching from differentiation to growth in hepatocytes: Control by extracellular matrix. Journal of Cellular Physiology, 1992, 151, 497-505.	4.1	449
86	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
87	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
88	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
89	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
90	Cell Shape and Growth Control: Role of Cytoskeletonâ€"Extracellular Matrix Interactions. , 1989, , 173-202.		5

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91	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
92	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
93	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
94	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
95	Actin. , 1986, , 131-149.		7
96	Decreases in tubulin and actin gene expression prior to morphological differentiation of 3T3 Adipocytes. Cell, 1982, 29, 53-60.	28.9	293
97	Nucleotide sequence and evolution of a mammalian Î±-Tubulin messenger RNA. Journal of Molecular Biology, 1981, 151, 101-120.	4.2	294
98	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
99	Mechanisms of regulating tubulin synthesis in cultured mammalian cells. Cell, 1979, 17, 319-325.	28.9	358
100	Translation of Xenopus vitellogenin mRNA during primary and secondary induction. Nature, 1978, 273, 401-403.	27.8	49
101	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
102	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
103	PPARs, Cell Differentiation, and Glucose Homeostasis. , 0, , 309-326.		0
104	Myocardin-Related Transcription Factor A Promotes Recruitment of ITGA5&#43; Profibrotic Progenitors During Obesity-Induced Adipose Tissue Fibrosis. SSRN Electronic Journal, 0, , .	0.4	0