

George Eo Muscat

List of Publications by Citations

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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.

84
papers

6,897
citations

45
h-index

83
g-index

85
ext. papers

7,393
ext. citations

8.7
avg, IF

5.4
L-index

#	Paper	IF	Citations
84	A human beta-actin expression vector system directs high-level accumulation of antisense transcripts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 4831-5	11.5	667
83	SOX9 binds DNA, activates transcription, and coexpresses with type II collagen during chondrogenesis in the mouse. <i>Developmental Biology</i> , 1997 , 183, 108-21	3.1	560
82	Sox18 induces development of the lymphatic vasculature in mice. <i>Nature</i> , 2008 , 456, 643-7	50.4	405
81	The peroxisome proliferator-activated receptor beta/delta agonist, GW501516, regulates the expression of genes involved in lipid catabolism and energy uncoupling in skeletal muscle cells. <i>Molecular Endocrinology</i> , 2003 , 17, 2477-93		319
80	The NR4A subgroup: immediate early response genes with pleiotropic physiological roles. <i>Nuclear Receptor Signaling</i> , 2006 , 4, e002	1	301
79	Minireview: Nuclear hormone receptor 4A signaling: implications for metabolic disease. <i>Molecular Endocrinology</i> , 2010 , 24, 1891-903		227
78	Class I histone deacetylases sequentially interact with MyoD and pRb during skeletal myogenesis. <i>Molecular Cell</i> , 2001 , 8, 885-97	17.6	185
77	Mutations in Sox18 underlie cardiovascular and hair follicle defects in ragged mice. <i>Nature Genetics</i> , 2000 , 24, 434-7	36.3	179
76	International Union of Pharmacology. LXVI. Orphan nuclear receptors. <i>Pharmacological Reviews</i> , 2006 , 58, 798-836	22.5	175
75	A dynamic role for HDAC7 in MEF2-mediated muscle differentiation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 17007-13	5.4	154
74	Role of HuR in skeletal myogenesis through coordinate regulation of muscle differentiation genes. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4991-5004	4.8	151
73	RORalpha regulates the expression of genes involved in lipid homeostasis in skeletal muscle cells: caveolin-3 and CPT-1 are direct targets of ROR. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36828-40	5.4	138
72	The orphan nuclear receptor, RORalpha, regulates gene expression that controls lipid metabolism: staggerer (SG/SG) mice are resistant to diet-induced obesity. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18411-21	5.4	136
71	Nur77 regulates lipolysis in skeletal muscle cells. Evidence for cross-talk between the beta-adrenergic and an orphan nuclear hormone receptor pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12573-84	5.4	128
70	Skeletal muscle and nuclear hormone receptors: implications for cardiovascular and metabolic disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 2047-63	5.6	123
69	The coactivator-associated arginine methyltransferase is necessary for muscle differentiation: CARM1 coactivates myocyte enhancer factor-2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 4324-33	5.4	121
68	The corepressor N-CoR and its variants RIP13a and RIP13Delta1 directly interact with the basal transcription factors TFIIB, TAFII32 and TAFII70. <i>Nucleic Acids Research</i> , 1998 , 26, 2899-907	20.1	119

67	The activation function-1 domain of Nur77/NR4A1 mediates trans-activation, cell specificity, and coactivator recruitment. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33001-11	5.4	114
66	The AF-1 domain of the orphan nuclear receptor NOR-1 mediates trans-activation, coactivator recruitment, and activation by the purine anti-metabolite 6-mercaptopurine. <i>Journal of Biological Chemistry</i> , 2003 , 278, 24776-90	5.4	110
65	Mice null for sox18 are viable and display a mild coat defect. <i>Molecular and Cellular Biology</i> , 2000 , 20, 9331-6	4.8	100
64	Activation of myoD gene transcription by 3,5,3'-triiodo-L-thyronine: a direct role for the thyroid hormone and retinoid X receptors. <i>Nucleic Acids Research</i> , 1994 , 22, 583-91	20.1	84
63	Halofenate is a selective peroxisome proliferator-activated receptor gamma modulator with antidiabetic activity. <i>Diabetes</i> , 2006 , 55, 2523-33	0.9	82
62	Exogenous expression of a dominant negative RORalpha1 vector in muscle cells impairs differentiation: RORalpha1 directly interacts with p300 and myoD. <i>Nucleic Acids Research</i> , 1999 , 27, 411-20	20.1	81
61	Regulation of cholesterol homeostasis and lipid metabolism in skeletal muscle by liver X receptors. <i>Journal of Biological Chemistry</i> , 2002 , 277, 40722-8	5.4	79
60	Melanocortin-1 receptor signaling markedly induces the expression of the NR4A nuclear receptor subgroup in melanocytic cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 12564-70	5.4	77
59	Regulation of vertebrate muscle differentiation by thyroid hormone: the role of the myoD gene family. <i>BioEssays</i> , 1995 , 17, 211-8	4.1	77
58	Nucleotide sequence and expression of the human skeletal alpha-actin gene: evolution of functional regulatory domains. <i>Genomics</i> , 1988 , 3, 323-36	4.3	76
57	Research resource: nuclear receptors as transcriptome: discriminant and prognostic value in breast cancer. <i>Molecular Endocrinology</i> , 2013 , 27, 350-65		73
56	Two receptor interaction domains in the corepressor, N-CoR/RIP13, are required for an efficient interaction with Rev-erbA alpha and RVR: physical association is dependent on the E region of the orphan receptors. <i>Nucleic Acids Research</i> , 1996 , 24, 4379-86	20.1	72
55	Trans-activation and DNA-binding properties of the transcription factor, Sox-18. <i>Nucleic Acids Research</i> , 1995 , 23, 2626-8	20.1	70
54	Rev-erbbeta regulates the expression of genes involved in lipid absorption in skeletal muscle cells: evidence for cross-talk between orphan nuclear receptors and myokines. <i>Journal of Biological Chemistry</i> , 2005 , 280, 8651-9	5.4	69
53	Effect of disrupted SOX18 transcription factor function on tumor growth, vascularization, and endothelial development. <i>Journal of the National Cancer Institute</i> , 2006 , 98, 1060-7	9.7	65
52	Beta-adrenergic signaling regulates NR4A nuclear receptor and metabolic gene expression in multiple tissues. <i>Molecular and Cellular Endocrinology</i> , 2009 , 309, 101-8	4.4	64
51	Caveolin-1 orchestrates the balance between glucose and lipid-dependent energy metabolism: implications for liver regeneration. <i>Hepatology</i> , 2012 , 55, 1574-84	11.2	60
50	The nuclear receptor, Nor-1, markedly increases type II oxidative muscle fibers and resistance to fatigue. <i>Molecular Endocrinology</i> , 2012 , 26, 372-84		60

49	The orphan Rev-erb nuclear receptors: a link between metabolism, circadian rhythm and inflammation?. <i>Nuclear Receptor Signaling</i> , 2006 , 4, e009	1	59
48	NFIB Mediates BRN2 Driven Melanoma Cell Migration and Invasion Through Regulation of EZH2 and MITF. <i>EBioMedicine</i> , 2017 , 16, 63-75	8.8	54
47	Sox18 mutations in the ragged mouse alleles ragged-like and opossum. <i>Genesis</i> , 2003 , 36, 1-6	1.9	52
46	Expression profiling of skeletal muscle following acute and chronic beta2-adrenergic stimulation: implications for hypertrophy, metabolism and circadian rhythm. <i>BMC Genomics</i> , 2009 , 10, 448	4.5	50
45	Sequence and expression of Sox-18 encoding a new HMG-box transcription factor. <i>Gene</i> , 1995 , 161, 223-5	3.8	50
44	Repression of basal transcription by vitamin D receptor: evidence for interaction of unliganded vitamin D receptor with two receptor interaction domains in RIP13delta1. <i>Journal of Molecular Endocrinology</i> , 1998 , 20, 327-35	4.5	49
43	SOX18 directly interacts with MEF2C in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 287, 493-500	3.4	46
42	Identification and validation of the pathways and functions regulated by the orphan nuclear receptor, ROR alpha1, in skeletal muscle. <i>Nucleic Acids Research</i> , 2010 , 38, 4296-312	20.1	45
41	TRAP220 is modulated by the antineoplastic agent 6-Mercaptopurine, and mediates the activation of the NR4A subgroup of nuclear receptors. <i>Journal of Molecular Endocrinology</i> , 2005 , 34, 835-48	4.5	45
40	Identification of a regulatory function for an orphan receptor in muscle: COUP-TF II affects the expression of the myoD gene family during myogenesis. <i>Nucleic Acids Research</i> , 1995 , 23, 1311-8	20.1	45
39	Domains of Brn-2 that mediate homodimerization and interaction with general and melanocytic transcription factors. <i>FEBS Journal</i> , 2000 , 267, 6413-22		43
38	Homozygous staggerer (sg/sg) mice display improved insulin sensitivity and enhanced glucose uptake in skeletal muscle. <i>Diabetologia</i> , 2011 , 54, 1169-80	10.3	42
37	Transcriptional repression by COUP-TF II is dependent on the C-terminal domain and involves the N-CoR variant, RIP13delta1. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1997 , 63, 165-74	5.1	40
36	The VCAM-1 gene that encodes the vascular cell adhesion molecule is a target of the Sry-related high mobility group box gene, Sox18. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5314-22	5.4	40
35	Transgenic muscle-specific Nor-1 expression regulates multiple pathways that effect adiposity, metabolism, and endurance. <i>Molecular Endocrinology</i> , 2013 , 27, 1897-917		38
34	Nuclear receptor profiling of ovarian granulosa cell tumors. <i>Hormones and Cancer</i> , 2011 , 2, 157-69	5	38
33	Structure/function analysis of a dUTPase: catalytic mechanism of a potential chemotherapeutic target. <i>Journal of Molecular Biology</i> , 1999 , 288, 275-87	6.5	37
32	Distinct nuclear receptor expression in stroma adjacent to breast tumors. <i>Breast Cancer Research and Treatment</i> , 2013 , 142, 211-23	4.4	36

31	PRMT2 and ROR α expression are associated with breast cancer survival outcomes. <i>Molecular Endocrinology</i> , 2014 , 28, 1166-85		36
30	Cloning and functional analysis of the Sry-related HMG box gene, Sox18. <i>Gene</i> , 2001 , 262, 239-47	3.8	35
29	The chicken ovalbumin upstream promoter-transcription factors modulate genes and pathways involved in skeletal muscle cell metabolism. <i>Journal of Biological Chemistry</i> , 2006 , 281, 24149-60	5.4	34
28	Retinoid-related orphan receptor gamma regulates several genes that control metabolism in skeletal muscle cells: links to modulation of reactive oxygen species production. <i>Journal of Molecular Endocrinology</i> , 2007 , 39, 29-44	4.5	33
27	The NR4A2 nuclear receptor is recruited to novel nuclear foci in response to UV irradiation and participates in nucleotide excision repair. <i>PLoS ONE</i> , 2013 , 8, e78075	3.7	32
26	The Nuclear Receptor, ROR α Regulates Pathways Necessary for Breast Cancer Metastasis. <i>EBioMedicine</i> , 2016 , 6, 59-72	8.8	29
25	PPARgamma agonists attenuate proliferation and modulate Wnt/beta-catenin signalling in melanoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 844-52	5.6	28
24	An ERRbeta/gamma agonist modulates GRalpha expression, and glucocorticoid responsive gene expression in skeletal muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2010 , 315, 146-52	4.4	26
23	Protein arginine methyltransferase 6-dependent gene expression and splicing: association with breast cancer outcomes. <i>Endocrine-Related Cancer</i> , 2012 , 19, 509-26	5.7	25
22	Retinoid-related orphan receptor alpha and the regulation of lipid homeostasis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012 , 130, 159-68	5.1	24
21	Orphan nuclear receptors and the regulation of nutrient metabolism: understanding obesity. <i>Physiology</i> , 2012 , 27, 156-66	9.8	23
20	Characterization of the AB (AF-1) region in the muscle-specific retinoid X receptor-gamma: evidence that the AF-1 region functions in a cell-specific manner. <i>Nucleic Acids Research</i> , 1996 , 24, 264-71 ^{20.1}		23
19	Proliferin, a prolactin/growth hormone-like peptide represses myogenic-specific transcription by the suppression of an essential serum response factor-like DNA-binding activity. <i>Molecular Endocrinology</i> , 1991 , 5, 802-14		23
18	Signal transduction by the growth hormone receptor. <i>Experimental Biology and Medicine</i> , 1994 , 206, 216-20	3.7	19
17	Expression vectors encoding human growth hormone (hGH) controlled by human muscle-specific promoters: prospects for regulated production of hGH delivered by myoblast transfer or intravenous injection. <i>Gene</i> , 1994 , 145, 305-10	3.8	19
16	Nr4a1 siRNA expression attenuates EMSH regulated gene expression in 3T3-L1 adipocytes. <i>Molecular Endocrinology</i> , 2011 , 25, 291-306		18
15	Characterization of the Retinoid Orphan-Related Receptor- α Coactivator Binding Interface: A Structural Basis for Ligand-Independent Transcription. <i>Molecular Endocrinology</i> , 2002 , 16, 998-1012		16
14	Breast cancer prognosis predicted by nuclear receptor-coregulator networks. <i>Molecular Oncology</i> , 2014 , 8, 998-1013	7.9	14

13	Nuclear receptor expression in human differentiated thyroid tumors. <i>Thyroid</i> , 2014 , 24, 1000-11	6.2	12
12	Disruption of Ror α and cholesterol 25-hydroxylase expression attenuates phagocytosis in male Ror α g/sg mice. <i>Endocrinology</i> , 2013 , 154, 140-9	4.8	12
11	Rev-erb beta regulates the Srebp-1c promoter and mRNA expression in skeletal muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 388, 654-9	3.4	12
10	Sox18 expression in blood vessels and feather buds during chicken embryogenesis. <i>Gene</i> , 2001 , 271, 151-8	3.8	12
9	The Sry-related gene Sox18 maps to distal mouse chromosome 2. <i>Genomics</i> , 1996 , 36, 558-9	4.3	12
8	Ski overexpression in skeletal muscle modulates genetic programs that control susceptibility to diet-induced obesity and insulin signaling. <i>Obesity</i> , 2012 , 20, 2157-67	8	11
7	Structure, mapping, and expression of human SOX18. <i>Mammalian Genome</i> , 2000 , 11, 1147-9	3.2	11
6	Growth-related changes in specific mRNAs upon lectin activation of human lymphocytes. <i>DNA and Cell Biology</i> , 1985 , 4, 377-84		10
5	The Nuclear Receptor Nor-1 Is a Pleiotropic Regulator of Exercise-Induced Adaptations. <i>Exercise and Sport Sciences Reviews</i> , 2018 , 46, 97-104	6.7	8
4	Nuclear receptors and epigenetic signaling: novel regulators of glycogen metabolism in skeletal muscle. <i>IUBMB Life</i> , 2013 , 65, 657-64	4.7	8
3	Therapeutic Implications of Epigenetic Signaling in Breast Cancer. <i>Endocrinology</i> , 2017 , 158, 431-447	4.8	7
2	Transgenic Adipose-specific Expression of the Nuclear Receptor ROR α Drives a Striking Shift in Fat Distribution and Impairs Glycemic Control. <i>EBioMedicine</i> , 2016 , 11, 101-117	8.8	4
1	Chapter 3 PPAR α Emerging therapeutic potential of novel agonists in lipid and glucose homeostasis. <i>Advances in Molecular and Cellular Endocrinology</i> , 2006 , 5, 43-62		