George Eo Muscat

List of Publications by Year
in descending order

85 papers	7,925 citations	53794 45 h-index	54911 84 g-index
85 all docs	85 docs citations	85 times ranked	9044 citing authors

#	Article	IF	Citations
1	A human beta-actin expression vector system directs high-level accumulation of antisense transcripts.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 4831-4835.	7.1	720
2	SOX9 Binds DNA, Activates Transcription, and Coexpresses with Type II Collagen during Chondrogenesis in the Mouse. Developmental Biology, 1997, 183, 108-121.	2.0	640
3	Sox18 induces development of the lymphatic vasculature in mice. Nature, 2008, 456, 643-647.	27.8	483
4	The NR4A Subgroup: Immediate Early Response Genes with Pleiotropic Physiological Roles. Nuclear Receptor Signaling, 2006, 4, nrs.04002.	1.0	363
5	The Peroxisome Proliferator-Activated Receptor Î²/Î´ Agonist, GW501516, Regulates the Expression of Genes Involved in Lipid Catabolism and Energy Uncoupling in Skeletal Muscle Cells. Molecular Endocrinology, 2003, 17, 2477-2493.	3.7	342
6	Minireview: Nuclear Hormone Receptor 4A Signaling: Implications for Metabolic Disease. Molecular Endocrinology, 2010, 24, 1891-1903.	3.7	266
7	Mutations in Sox18 underlie cardiovascular and hair follicle defects in ragged mice. Nature Genetics, 2000, 24, 434-437.	21.4	201
8	Class I Histone Deacetylases Sequentially Interact with MyoD and pRb during Skeletal Myogenesis. Molecular Cell, 2001, 8, 885-897.	9.7	197
9	International Union of Pharmacology. LXVI. Orphan Nuclear Receptors. Pharmacological Reviews, 2006, 58, 798-836.	16.0	195
10	A Dynamic Role for HDAC7 in MEF2-mediated Muscle Differentiation. Journal of Biological Chemistry, 2001, 276, 17007-17013.	3.4	177
11	Role of HuR in Skeletal Myogenesis through Coordinate Regulation of Muscle Differentiation Genes. Molecular and Cellular Biology, 2003, 23, 4991-5004.	2.3	177
12	The Orphan Nuclear Receptor, RORÎ±, Regulates Gene Expression That Controls Lipid Metabolism. Journal of Biological Chemistry, 2008, 283, 18411-18421.	3.4	167
13	RORÎ± Regulates the Expression of Genes Involved in Lipid Homeostasis in Skeletal Muscle Cells. Journal of Biological Chemistry, 2004, 279, 36828-36840.	3.4	157
14	Skeletal muscle and nuclear hormone receptors: Implications for cardiovascular and metabolic disease. International Journal of Biochemistry and Cell Biology, 2005, 37, 2047-2063.	2.8	145
15	Nur77 Regulates Lipolysis in Skeletal Muscle Cells. Journal of Biological Chemistry, 2005, 280, 12573-12584.	3.4	144
16	The Coactivator-associated Arginine Methyltransferase Is Necessary for Muscle Differentiation. Journal of Biological Chemistry, 2002, 277, 4324-4333.	3.4	142
17	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. Journal of Biological Chemistry, 2003, 278, 24776-24790.	3.4	134
18	The Activation Function-1 Domain of Nur77/NR4A1 Mediates Trans-activation, Cell Specificity, and Coactivator Recruitment. Journal of Biological Chemistry, 2002, 277, 33001-33011.	3.4	132

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19	The corepressor N-CoR and its variants RIP13a and RIP13Â1 directly interact with the basal transcription factors TFIIB, TAFII32 and TAFII70. Nucleic Acids Research, 1998, 26, 2899-2907.	14.5	125
20	Mice Null for <i>Sox18</i> Are Viable and Display a Mild Coat Defect. Molecular and Cellular Biology, 2000, 20, 9331-9336.	2.3	106
21	Research Resource: Nuclear Receptors as Transcriptome: Discriminant and Prognostic Value in Breast Cancer. Molecular Endocrinology, 2013, 27, 350-365.	3.7	98
22	Activation ofmyoDgene transcription by 3,5,3'-triiodo-L-thyronine: a direct role for the thyroid hormone and retinoid X receptors. Nucleic Acids Research, 1994, 22, 583-591.	14.5	93
23	Regulation of Cholesterol Homeostasis and Lipid Metabolism in Skeletal Muscle by Liver X Receptors. Journal of Biological Chemistry, 2002, 277, 40722-40728.	3.4	92
24	Halofenate Is a Selective Peroxisome Proliferatorâ€"Activated Receptor Î³ Modulator With Antidiabetic Activity. Diabetes, 2006, 55, 2523-2533.	0.6	90
25	Exogenous expression of a dominant negative RORÂ1 vector in muscle cells impairs differentiation: RORÂ1 directly interacts with p300 and MyoD. Nucleic Acids Research, 1999, 27, 411-420.	14.5	89
26	Melanocortin-1 Receptor Signaling Markedly Induces the Expression of the NR4A Nuclear Receptor Subgroup in Melanocytic Cells. Journal of Biological Chemistry, 2008, 283, 12564-12570.	3.4	87
27	NFIB Mediates BRN2 Driven Melanoma Cell Migration and Invasion Through Regulation of EZH2 and MITF. EBioMedicine, 2017, 16, 63-75.	6.1	85
28	Regulation of vertebrate muscle differentiation by thyroid hormone: The role of themyoD gene family. BioEssays, 1995, 17, 211-218.	2.5	83
29	Rev-erbÎ² Regulates the Expression of Genes Involved in Lipid Absorption in Skeletal Muscle Cells. Journal of Biological Chemistry, 2005, 280, 8651-8659.	3.4	83
30	Caveolin-1 orchestrates the balance between glucose and lipid-dependent energy metabolism: Implications for liver regeneration. Hepatology, 2012, 55, 1574-1584.	7.3	82
31	Nucleotide sequence and expression of the human skeletal ?-actin gene: Evolution of functional regulatory domains*1. Genomics, 1988, 3, 323-336.	2.9	81
32	Effect of Disrupted SOX18 Transcription Factor Function on Tumor Growth, Vascularization, and Endothelial Development. Journal of the National Cancer Institute, 2006, 98, 1060-1067.	6.3	78
33	Trans-activation and DNA-binding properties of the transcription factor, Sox-18. Nucleic Acids Research, 1995, 23, 2626-2628.	14.5	77
34	Two Receptor Interaction Domains in the Corepressor, N-CoR/RIP13, Are Required for an Efficient Interaction with Rev-erbAÂ and RVR: Physical Association is Dependent on the E Region of the Orphan Receptors. Nucleic Acids Research, 1996, 24, 4379-4386.	14.5	77
35	The Nuclear Receptor, Nor-1, Markedly Increases Type II Oxidative Muscle Fibers and Resistance to Fatigue. Molecular Endocrinology, 2012, 26, 372-384.	3.7	75
36	Î²-Adrenergic signaling regulates NR4A nuclear receptor and metabolic gene expression in multiple tissuesâ˜†. Molecular and Cellular Endocrinology, 2009, 309, 101-108.	3.2	72

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37	The Orphan Rev-Erb Nuclear Receptors: A Link between Metabolism, Circadian Rhythm and Inflammation?. Nuclear Receptor Signaling, 2006, 4, nrs.04009.	1.0	68
38	Sox18 mutations in theragged mouse allelesragged-like andopossum. Genesis, 2003, 36, 1-6.	1.6	59
39	SOX18 Directly Interacts with MEF2C in Endothelial Cells. Biochemical and Biophysical Research Communications, 2001, 287, 493-500.	2.1	56
40	Expression profiling of skeletal muscle following acute and chronic Î²2-adrenergic stimulation: implications for hypertrophy, metabolism and circadian rhythm. BMC Genomics, 2009, 10, 448.	2.8	55
41	Sequence and expression of Sox-18 encoding a new HMG-box transcription factor. Gene, 1995, 161, 223-225.	2.2	54
42	Repression of basal transcription by vitamin D receptor: evidence for interaction of unliganded vitamin D receptor with two receptor interaction domains in RIP13delta1. Journal of Molecular Endocrinology, 1998, 20, 327-335.	2.5	51
43	Identification and validation of the pathways and functions regulated by the orphan nuclear receptor, ROR alpha1, in skeletal muscle. Nucleic Acids Research, 2010, 38, 4296-4312.	14.5	51
44	Transgenic Muscle-Specific Nor-1 Expression Regulates Multiple Pathways That Effect Adiposity, Metabolism, and Endurance. Molecular Endocrinology, 2013, 27, 1897-1917.	3.7	50
45	The VCAM-1 Gene That Encodes the Vascular Cell Adhesion Molecule Is a Target of the Sry-related High Mobility Group Box Gene, Sox18. Journal of Biological Chemistry, 2004, 279, 5314-5322.	3.4	49
46	TRAP220 is modulated by the antineoplastic agent 6-Mercaptopurine, and mediates the activation of the NR4A subgroup of nuclear receptors. Journal of Molecular Endocrinology, 2005, 34, 835-848.	2.5	49
47	Domains of Brn-2 that mediate homodimerization and interaction with general and melanocytic transcription factors. FEBS Journal, 2000, 267, 6413-6422.	0.2	47
48	Identification of a regulatory function for an orphan receptor in muscle: COUP-TF II affects the expression of themyoDgene family during myogenesis. Nucleic Acids Research, 1995, 23, 1311-1318.	14.5	46
49	Nuclear Receptor Profiling of Ovarian Granulosa Cell Tumors. Hormones and Cancer, 2011, 2, 157-169.	4.9	46
50	Homozygous staggerer (sg/sg) mice display improved insulin sensitivity and enhanced glucose uptake in skeletal muscle. Diabetologia, 2011, 54, 1169-1180.	6.3	45
51	Distinct nuclear receptor expression in stroma adjacent to breast tumors. Breast Cancer Research and Treatment, 2013, 142, 211-223.	2.5	45
52	PRMT2 and RORÎ³ Expression Are Associated With Breast Cancer Survival Outcomes. Molecular Endocrinology, 2014, 28, 1166-1185.	3.7	45
53	Transcriptional repression by COUP-TF II is dependent on the C-terminal domain and involves the N-CoR variant, RIP13Î´1. Journal of Steroid Biochemistry and Molecular Biology, 1997, 63, 165-174.	2.5	40
54	The Chicken Ovalbumin Upstream Promoter-Transcription Factors Modulate Genes and Pathways Involved in Skeletal Muscle Cell Metabolism. Journal of Biological Chemistry, 2006, 281, 24149-24160.	3.4	40

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55	Retinoid-related orphan receptor Â regulates several genes that control metabolism in skeletal muscle cells: links to modulation of reactive oxygen species production. Journal of Molecular Endocrinology, 2007, 39, 29-44.	2.5	40
56	The Nuclear Receptor, RORÎ³, Regulates Pathways Necessary for Breast Cancer Metastasis. EBioMedicine, 2016, 6, 59-72.	6.1	40
57	Structure/function analysis of a dUTPase: catalytic mechanism of a potential chemotherapeutic target. Journal of Molecular Biology, 1999, 288, 275-287.	4.2	39
58	Cloning and functional analysis of the Sry -related HMG box gene, Sox18. Gene, 2001, 262, 239-247.	2.2	37
59	Protein arginine methyltransferase 6-dependent gene expression and splicing: association with breast cancer outcomes. Endocrine-Related Cancer, 2012, 19, 509-526.	3.1	37
60	The NR4A2 Nuclear Receptor Is Recruited to Novel Nuclear Foci in Response to UV Irradiation and Participates in Nucleotide Excision Repair. PLoS ONE, 2013, 8, e78075.	2.5	36
61	Retinoid-related orphan receptor alpha and the regulation of lipid homeostasis. Journal of Steroid Biochemistry and Molecular Biology, 2012, 130, 159-168.	2.5	33
62	PPARÎ³ agonists attenuate proliferation and modulate Wnt/Î²-catenin signalling in melanoma cells. International Journal of Biochemistry and Cell Biology, 2009, 41, 844-852.	2.8	31
63	Proliferin, a Prolactin/Growth Hormone-Like Peptide Represses Myogenic-Specific Transcription by the Suppression of an Essential Serum Response Factor-Like DNA-Binding Activity. Molecular Endocrinology, 1991, 5, 802-814.	3.7	29
64	An ERRÎ²/Î³ agonist modulates GRÎ± expression, and glucocorticoid responsive gene expression in skeletal muscle cells. Molecular and Cellular Endocrinology, 2010, 315, 146-152.	3.2	28
65	Breast cancer prognosis predicted by nuclear receptorâ€coregulator networks. Molecular Oncology, 2014, 8, 998-1013.	4.6	27
66	Orphan Nuclear Receptors and the Regulation of Nutrient Metabolism: Understanding Obesity. Physiology, 2012, 27, 156-166.	3.1	26
67	Signal Transduction by the Growth Hormone Receptor. Experimental Biology and Medicine, 1994, 206, 216-220.	2.4	23
68	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. Nucleic Acids Research, 1996, 24, 264-271.	14.5	23
69	Nr4a1 siRNA Expression Attenuates Î±-MSH Regulated Gene Expression in 3T3-L1 Adipocytes. Molecular Endocrinology, 2011, 25, 291-306.	3.7	20
70	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. Gene, 1994, 145, 305-310.	2.2	19
71	Disruption of RorÎ±1 and Cholesterol 25-Hydroxylase Expression Attenuates Phagocytosis in Male RorÎ±sg/sg Mice. Endocrinology, 2013, 154, 140-149.	2.8	19
72	Characterization of the Retinoid Orphan-Related Receptor-Â Coactivator Binding Interface: A Structural Basis for Ligand-Independent Transcription. Molecular Endocrinology, 2002, 16, 998-1012.	3.7	18

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73	Nuclear Receptor Expression in Human Differentiated Thyroid Tumors. Thyroid, 2014, 24, 1000-1011.	4.5	16
74	TheSry-Related GeneSox18Maps to Distal Mouse Chromosome 2. Genomics, 1996, 36, 558-559.	2.9	15
75	Rev-erb beta regulates the Srebp-1c promoter and mRNA expression in skeletal muscle cells. Biochemical and Biophysical Research Communications, 2009, 388, 654-659.	2.1	15
76	Sox18 expression in blood vessels and feather buds during chicken embryogenesis. Gene, 2001, 271, 151-158.	2.2	14
77	<i>Ski</i> Overexpression in Skeletal Muscle Modulates Genetic Programs That Control Susceptibility to Dietâ€Induced Obesity and Insulin Signaling. Obesity, 2012, 20, 2157-2167.	3.0	14
78	Not a minute to waste. Nature Medicine, 2000, 6, 1216-1217.	30.7	13
79	Structure, mapping, and expression of human SOX18. Mammalian Genome, 2000, 11, 1147-1149.	2.2	13
80	The Nuclear Receptor Nor-1 Is a Pleiotropic Regulator of Exercise-Induced Adaptations. Exercise and Sport Sciences Reviews, 2018, 46, 97-104.	3.0	13
81	Nuclear receptors and epigenetic signaling: Novel regulators of glycogen metabolism in skeletal muscle. IUBMB Life, 2013, 65, 657-664.	3.4	12
82	Growth-related Changes in Specific mRNAs upon Lectin Activation of Human Lymphocytes. DNA and Cell Biology, 1985, 4, 377-384.	5.2	11
83	Minireview: Therapeutic Implications of Epigenetic Signaling in Breast Cancer. Endocrinology, 2017, 158, en.2016-1716.	2.8	8
84	Transgenic Adipose-specific Expression of the Nuclear Receptor RORÎ± Drives a Striking Shift in Fat Distribution and Impairs Glycemic Control. EBioMedicine, 2016, 11, 101-117.	6.1	5
85	Chapter 3 PPARÎ´: Emerging therapeutic potential of novel agonists in lipid and glucose homeostasis. Advances in Molecular and Cellular Endocrinology, 2006, 5, 43-62.	0.1	0