Maria Monsalve

List of Publications by Year
in descending order

53 papers	4,324 citations	136740 32 h-index	168136 53 g-index
57 all docs	57 docs citations	57 times ranked	7106 citing authors

#	Article	IF	Citations
1	Redox regulation of FoxO transcription factors. Redox Biology, 2015, 6, 51-72.	3.9	566
2	PGC-1Î± regulates the mitochondrial antioxidant defense system in vascular endothelial cells. Cardiovascular Research, 2005, 66, 562-573.	1.8	470
3	Direct Coupling of Transcription and mRNA Processing through the Thermogenic Coactivator PGC-1. Molecular Cell, 2000, 6, 307-316.	4.5	354
4	Peroxisome Proliferator-activated Receptor Î± (PPARÎ±) Induces PPARÎ³ Coactivator 1Î± (PGC-1Î±) Gene Expression and Contributes to Thermogenic Activation of Brown Fat. Journal of Biological Chemistry, 2011, 286, 43112-43122.	1.6	256
5	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162.	3.9	242
6	SirT1 Regulation of Antioxidant Genes Is Dependent on the Formation of a FoxO3a/PGC-1Î± Complex. Antioxidants and Redox Signaling, 2013, 19, 1507-1521.	2.5	233
7	Mutual Dependence of Foxo3a and PGC-1Î± in the Induction of Oxidative Stress Genes. Journal of Biological Chemistry, 2009, 284, 14476-14484.	1.6	194
8	Nitric oxide regulates mitochondrial oxidative stress protection via the transcriptional coactivator PGCâ€1Î±. FASEB Journal, 2006, 20, 1889-1891.	0.2	132
9	The Role of PGC-1Î± and Mitochondrial Biogenesis in Kidney Diseases. Biomolecules, 2020, 10, 347.	1.8	118
10	The Complex Biology of FOXO. Current Drug Targets, 2011, 12, 1322-1350.	1.0	110
11	Age associated low mitochondrial biogenesis may be explained by lack of response of PGC-1Î± to exercise training. Age, 2012, 34, 669-679.	3.0	109
12	The inflammatory cytokine TWEAK decreases PGC-1Î± expression and mitochondrial function in acute kidney injury. Kidney International, 2016, 89, 399-410.	2.6	103
13	SIRT1 Controls Acetaminophen Hepatotoxicity by Modulating Inflammation and Oxidative Stress. Antioxidants and Redox Signaling, 2018, 28, 1187-1208.	2.5	97
14	Mitophagy in Human Diseases. International Journal of Molecular Sciences, 2021, 22, 3903.	1.8	91
15	Inactivation of Foxo3a and Subsequent Downregulation of PGC-1Î± Mediate Nitric Oxide-Induced Endothelial Cell Migration. Molecular and Cellular Biology, 2010, 30, 4035-4044.	1.1	71
16	PGCâ€1Î± deficiency causes spontaneous kidney inflammation and increases the severity of nephrotoxic AKI. Journal of Pathology, 2019, 249, 65-78.	2.1	70
17	The non-canonical NOTCH ligand DLK1 exhibits a novel vascular role as a strong inhibitor of angiogenesis. Cardiovascular Research, 2012, 93, 232-241.	1.8	65
18	Mitochondrial dysfunction in human pathologies. Frontiers in Bioscience - Landmark, 2007, 12, 1131.	3.0	64

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19	Melatonin Effects on Non-Alcoholic Fatty Liver Disease Are Related to MicroRNA-34a-5p/Sirt1 Axis and Autophagy. Cells, 2019, 8, 1053.	1.8	59
20	Transcription Activation or Repression by Phage Î¦29 Protein p4 Depends on the Strength of the RNA Polymeraseâ€"Promoter Interactions. Molecular Cell, 1997, 1, 99-107.	4.5	58
21	Heme-Oxygenase I and PCG-1Î± Regulate Mitochondrial Biogenesis <i>via</i> Microglial Activation of Alpha7 Nicotinic Acetylcholine Receptors Using PNU282987. Antioxidants and Redox Signaling, 2017, 27, 93-105.	2.5	56
22	ROS homeostasis, a key determinant in liver ischemic-preconditioning. Redox Biology, 2017, 12, 1020-1025.	3.9	54
23	Transcription activation by phage phi29 protein p4 is mediated by interaction with the alpha subunit of Bacillus subtilis RNA polymerase.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6616-6620.	3.3	51
24	Targeting Lipid Peroxidation for Cancer Treatment. Molecules, 2020, 25, 5144.	1.7	51
25	MiRâ€9â€5p protects from kidney fibrosis by metabolic reprogramming. FASEB Journal, 2020, 34, 410-431.	0.2	50
26	Transcription Regulation in Bacillus subtilis Phage Î¦29: Expression of the Viral Promoters throughout the Infection Cycle. Virology, 1995, 207, 23-31.	1.1	48
27	Peroxisome Proliferator-Activated Receptors-Î± and -Î³, and cAMP-Mediated Pathways, Control Retinol-Binding Protein-4 Gene Expression in Brown Adipose Tissue. Endocrinology, 2012, 153, 1162-1173.	1.4	47
28	Nuclear Factor Kappa B Signaling Complexes in Acute Inflammation. Antioxidants and Redox Signaling, 2020, 33, 145-165.	2.5	47
29	Mitochondrial biogenesis fails in secondary biliary cirrhosis in rats leading to mitochondrial DNA depletion and deletions. American Journal of Physiology - Renal Physiology, 2011, 301, G119-G127.	1.6	43
30	Transcription Activation and Repression by Interaction of a Regulator with the Î± Subunit of RNA Polymerase: The Model of Phage Ï•29 Protein p4. Progress in Molecular Biology and Translational Science, 1998, 60, 29-46.	1.9	40
31	Obesity causes PGCâ€1Î± deficiency in the pancreas leading to marked ILâ€6 upregulation via NFâ€ºB in acute pancreatitis. Journal of Pathology, 2019, 247, 48-59.	2.1	37
32	Oxidative stress induces loss of pericyte coverage and vascular instability in PGC-1Î±-deficient mice. Angiogenesis, 2016, 19, 217-228.	3.7	32
33	Transcriptional activator of phage ?29 late promoter: mapping of residues involved in interaction with RNA polymerase and in DNA bending. Molecular Microbiology, 1996, 20, 273-282.	1.2	27
34	Perspective: Mitochondria-ER Contacts in Metabolic Cellular Stress Assessed by Microscopy. Cells, 2019, 8, 5.	1.8	26
35	Regulation of endothelial dynamics by PGC-1Î± relies on ROS control of VEGF-A signaling. Free Radical Biology and Medicine, 2016, 93, 41-51.	1.3	25
36	Binding of phage Î¦29 protein p4 to the early A2c promoter: recruitment of a repressor by the RNA polymerase. Journal of Molecular Biology, 1998, 283, 559-569.	2.0	24

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37	PGC-1Î± Regulates Translocated in Liposarcoma Activity: Role in Oxidative Stress Gene Expression. Antioxidants and Redox Signaling, 2011, 15, 325-337.	2.5	24
38	PGC-1Î± Downregulation in Steatotic Liver Enhances Ischemia-Reperfusion Injury and Impairs Ischemic Preconditioning. Antioxidants and Redox Signaling, 2017, 27, 1332-1346.	2.5	22
39	<i>Pgc1a</i>is responsible for the sex differences in hepatic<i>Cidec/Fsp27Î²</i>mRNA expression in hepatic steatosis of mice fed a Western diet. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E249-E261.	1.8	21
40	Taurine Supplementation Alleviates Puromycin Aminonucleoside Damage by Modulating Endoplasmic Reticulum Stress and Mitochondrial-Related Apoptosis in Rat Kidney. Nutrients, 2018, 10, 689.	1.7	19
41	Substitution of the C-terminal domain of the Escherichia coli RNA polymerase Î± subunit by that from Bacillus subtilis makes the enzyme responsive to a Bacillus subtilis transcriptional activator 1 1Edited by M. Gottesman. Journal of Molecular Biology, 1998, 275, 177-185.	2.0	18
42	Induction of PGC-1Î± Expression Can Be Detected in Blood Samples of Patients with ST-Segment Elevation Acute Myocardial Infarction. PLoS ONE, 2011, 6, e26913.	1.1	16
43	Control of endothelial function and angiogenesis by PGC-1Î± relies on ROS control of vascular stability. Free Radical Biology and Medicine, 2014, 75, S5.	1.3	15
44	Metabolic adaptations in spontaneously immortalized PGC-1Î± knock-out mouse embryonic fibroblasts increase their oncogenic potential. Redox Biology, 2020, 29, 101396.	3.9	12
45	A mutation in the C-terminal domain of the RNA polymerase alpha subunit that destabilizes the open complexes formed at the phage Ï†29 late A3 promoter11Edited by I. B. Holland. Journal of Molecular Biology, 2001, 307, 487-497.	2.0	8
46	The switch from early to late transcription in phage GA-1: characterization of the regulatory protein p4G. Journal of Molecular Biology, 1999, 290, 917-928.	2.0	7
47	Blood PGC-1Î± Concentration Predicts Myocardial Salvage and Ventricular Remodeling After ST-segment Elevation Acute Myocardial Infarction. Revista Espanola De Cardiologia (English Ed), 2015, 68, 408-416.	0.4	7
48	Methodological Approach for the Evaluation of FOXO as a Positive Regulator of Antioxidant Genes. Methods in Molecular Biology, 2019, 1890, 61-76.	0.4	7
49	mRNA PGC-1Î± levels in blood samples reliably correlates with its myocardial expression: study in patients undergoing cardiac surgery. Anatolian Journal of Cardiology, 2015, 16, 622-629.	0.5	7
50	Early induction of senescence and immortalization in PGC-1Î±-deficient mouse embryonic fibroblasts. Free Radical Biology and Medicine, 2019, 138, 23-32.	1.3	6
51	Impairment of PGC-1 Alpha Up-Regulation Enhances Nitrosative Stress in the Liver during Acute Pancreatitis in Obese Mice. Antioxidants, 2020, 9, 887.	2.2	6
52	Structural Features of Cytochrome b5â€"Cytochrome b5 Reductase Complex Formation and Implications for the Intramolecular Dynamics of Cytochrome b5 Reductase. International Journal of Molecular Sciences, 2022, 23, 118.	1.8	6
53	Diphenyl diselenide (PhSe)2 cytoprotective effect on endothelial cells exposed to nitroxidative stress. Free Radical Biology and Medicine, 2018, 120, S154.	1.3	0