Mariana G Rosca

List of Publications by Year
in descending order

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34 papers	2,631 citations	304701 22 h-index	414395 32 g-index
34 all docs	34 docs citations	34 times ranked	4617 citing authors

#	Article	IF	Citations
1	Cardiac mitochondria in heart failure: decrease in respirasomes and oxidative phosphorylation. Cardiovascular Research, 2008, 80, 30-39.	3.8	324
2	Glycation of mitochondrial proteins from diabetic rat kidney is associated with excess superoxide formation. American Journal of Physiology - Renal Physiology, 2005, 289, F420-F430.	2.7	300
3	Mitochondria in cardiac hypertrophy and heart failure. Journal of Molecular and Cellular Cardiology, 2013, 55, 31-41.	1.9	204
4	Mitochondria in heart failure. Cardiovascular Research, 2010, 88, 40-50.	3.8	200
5	Mitochondrial dysfunction in heart failure. Heart Failure Reviews, 2013, 18, 607-622.	3.9	196
6	Oxidation of Fatty Acids Is the Source of Increased Mitochondrial Reactive Oxygen Species Production in Kidney Cortical Tubules in Early Diabetes. Diabetes, 2012, 61, 2074-2083.	0.6	158
7	Paradoxical Effects of Green Tea (Camellia Sinensis) and Antioxidant Vitamins in Diabetic Rats: Improved Retinopathy and Renal Mitochondrial Defects but Deterioration of Collagen Matrix Glycoxidation and Cross-Linking. Diabetes, 2005, 54, 517-526.	0.6	124
8	Mitochondrial NAD⁺/NADH Redox State and Diabetic Cardiomyopathy. Antioxidants and Redox Signaling, 2019, 30, 375-398.	5.4	108
9	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. Journal of Clinical Investigation, 2015, 125, 3461-3476.	8.2	104
10	Kruppel-like factor 15 regulates skeletal muscle lipid flux and exercise adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6739-6744.	7.1	103
11	Kruppel-like Factor 15 Is a Critical Regulator of Cardiac Lipid Metabolism. Journal of Biological Chemistry, 2014, 289, 5914-5924.	3.4	101
12	Alterations in renal mitochondrial respiration in response to the reactive oxoaldehyde methylglyoxal. American Journal of Physiology - Renal Physiology, 2002, 283, F52-F59.	2.7	89
13	Cardiac mitochondria in heart failure: Normal cardiolipin profile and increased threonine phosphorylation of complex IV. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1373-1382.	1.0	79
14	Mitochondria in the elderly: Is acetylcarnitine a rejuvenator?â˜†. Advanced Drug Delivery Reviews, 2009, 61, 1332-1342.	13.7	75
15	Mitochondrial complex I defect and increased fatty acid oxidation enhance protein lysine acetylation in the diabetic heart. Cardiovascular Research, 2015, 107, 453-465.	3.8	73
16	New aspects of impaired mitochondrial function in heart failure. Journal of Bioenergetics and Biomembranes, 2009, 41, 107-112.	2.3	49
17	Fatty acid oxidation in cardiac and skeletal muscle mitochondria is unaffected by deletion of CD36. Archives of Biochemistry and Biophysics, 2007, 467, 234-238.	3.0	46
18	Liraglutide improves insulin sensitivity in high fat diet induced diabetic mice through multiple pathways. European Journal of Pharmacology, 2019, 861, 172594.	3.5	42

#	Article	IF	Citations
19	Mitochondria in Diabetic Kidney Disease. Cells, 2021, 10, 2945.	4.1	40
20	Diabetic Retinopathy: The Role of Mitochondria in the Neural Retina and Microvascular Disease. Antioxidants, 2020, 9, 905.	5.1	35
21	Aging-dependent changes in rat heart mitochondrial glutaredoxinsâ€"Implications for redox regulation. Redox Biology, 2013, 1, 586-598.	9.0	30
22	Altered expression of the adenine nucleotide translocase isoforms and decreased ATP synthase activity in skeletal muscle mitochondria in heart failure. Journal of Molecular and Cellular Cardiology, 2009, 46, 927-935.	1.9	29
23	Gclc deficiency in mouse CNS causes mitochondrial damage and neurodegeneration. Human Molecular Genetics, 2017, 26, 1376-1390.	2.9	26
24	Apoptosis inducing factor deficiency causes retinal photoreceptor degeneration. The protective role of the redox compound methylene blue. Redox Biology, 2019, 20, 107-117.	9.0	25
25	Isolation of mitochondrial subpopulations from skeletal muscle: Optimizing recovery and preserving integrity. Acta Physiologica, 2019, 225, e13182.	3.8	20
26	Methylene blue decreases mitochondrial lysine acetylation in the diabetic heart. Molecular and Cellular Biochemistry, 2017, 432, 7-24.	3.1	16
27	Berberine hydrochloride protects against cytokine-induced inflammation through multiple pathways in undifferentiated C2C12 myoblast cells. Canadian Journal of Physiology and Pharmacology, 2019, 97, 699-707.	1.4	8
28	Multiple Muscle Cell Alterations in a Case of Encephalomyopathy. Ultrastructural Pathology, 2014, 38, 13-25.	0.9	7
29	Assessment of Mitochondrial Respiration in Human Platelets. Revista De Chimie (discontinued), 2017, 68, 768-771.	0.4	7
30	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats. Canadian Journal of Physiology and Pharmacology, 2018, 96, 1012-1016.	1.4	6
31	Type 2 Diabetes and Chronic Conditions Disparities in Medicare Beneficiaries in the State of Michigan. American Journal of the Medical Sciences, 2020, 359, 218-225.	1.1	4
32	MiR 208a Regulates Mitochondrial Biogenesis in Metabolically Challenged Cardiomyocytes. Cells, 2021, 10, 3152.	4.1	3
33	Green Tea (Camellia sinensis) Ameliorates Retinopathy and Renal Mitochondrial Defects but Deteriorates Collagen Glycoxidation and Cross-Linking in Experimental Diabetes. Annals of the New York Academy of Sciences, 2005, 1043, 940-940.	3.8	0
34	Diabetes causes kidney cellâ€specific mitochondrial phenotypes and increased generation of superoxide. FASEB Journal, 2007, 21, A841.	0.5	0