Mariana G Rosca

List of Publications by Year in Descending Order

32 papers	2,068 citations	20 h-index	34 g-index
34 ext. papers	2,374 ext. citations	5.9 avg, IF	4.87 L-index

#	Paper	IF	Citations
32	Mitochondria in Diabetic Kidney Disease. *Cells*, **2021**, 10,	7.9	4
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	2.2	1
30	Diabetic Retinopathy: The Role of Mitochondria in the Neural Retina and Microvascular Disease. *Antioxidants*, **2020**, 9,	7.1	15
29	Liraglutide improves insulin sensitivity in high fat diet induced diabetic mice through multiple pathways. *European Journal of Pharmacology*, **2019**, 861, 172594	5.3	22
28	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	2.4	6
27	Isolation of mitochondrial subpopulations from skeletal muscle: Optimizing recovery and preserving integrity. *Acta Physiologica*, **2019**, 225, e13182	5.6	12
26	Apoptosis inducing factor deficiency causes retinal photoreceptor degeneration. The protective role of the redox compound methylene blue. *Redox Biology*, **2019**, 20, 107-117	11.3	13
25	Mitochondrial NAD/NADH Redox State and Diabetic Cardiomyopathy. *Antioxidants and Redox Signaling*, **2019**, 30, 375-398	8.4	50
24	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats. *Canadian Journal of Physiology and Pharmacology*, **2018**, 96, 1012-1016	2.4	4
23	Gclc deficiency in mouse CNS causes mitochondrial damage and neurodegeneration. *Human Molecular Genetics*, **2017**, 26, 1376-1390	5.6	19
22	Methylene blue decreases mitochondrial lysine acetylation in the diabetic heart. *Molecular and Cellular Biochemistry*, **2017**, 432, 7-24	4.2	10
21	Mitochondrial complex I defect and increased fatty acid oxidation enhance protein lysine acetylation in the diabetic heart. *Cardiovascular Research*, **2015**, 107, 453-65	9.9	57
20	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 3461-76	15.9	67
19	Kruppel-like factor 15 is a critical regulator of cardiac lipid metabolism. *Journal of Biological Chemistry*, **2014**, 289, 5914-24	5.4	82
18	Multiple muscle cell alterations in a case of encephalomyopathy. *Ultrastructural Pathology*, **2014**, 38, 13-25	1.3	6
17	Aging-dependent changes in rat heart mitochondrial glutaredoxins--Implications for redox regulation. *Redox Biology*, **2013**, 1, 586-98	11.3	25
16	Mitochondria in cardiac hypertrophy and heart failure. *Journal of Molecular and Cellular Cardiology*, **2013**, 55, 31-41	5.8	160

15	Mitochondrial dysfunction in heart failure. *Heart Failure Reviews*, **2013**, 18, 607-22	5	157
14	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, 6739-44	11.5	88
13	Oxidation of fatty acids is the source of increased mitochondrial reactive oxygen species production in kidney cortical tubules in early diabetes. *Diabetes*, **2012**, 61, 2074-83	0.9	119
12	Cardiac mitochondria in heart failure: normal cardiolipin profile and increased threonine phosphorylation of complex IV. *Biochimica Et Biophysica Acta - Bioenergetics*, **2011**, 1807, 1373-82	4.6	63
11	Mitochondria in heart failure. *Cardiovascular Research*, **2010**, 88, 40-50	9.9	176
10	New aspects of impaired mitochondrial function in heart failure. *Journal of Bioenergetics and Biomembranes*, **2009**, 41, 107-12	3.7	41
9	Mitochondria in the elderly: Is acetylcarnitine a rejuvenator?. *Advanced Drug Delivery Reviews*, **2009**, 61, 1332-1342	18.5	68
8	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, 927-35	5.8	25
7	Cardiac mitochondria in heart failure: decrease in respirasomes and oxidative phosphorylation. *Cardiovascular Research*, **2008**, 80, 30-9	9.9	284
6	Fatty acid oxidation in cardiac and skeletal muscle mitochondria is unaffected by deletion of CD36. *Archives of Biochemistry and Biophysics*, **2007**, 467, 234-8	4.1	43
5	Diabetes causes kidney cell-specific mitochondrial phenotypes and increased generation of superoxide. *FASEB Journal*, **2007**, 21, A841	0.9	
4	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	6.5	
3	Glycation of mitochondrial proteins from diabetic rat kidney is associated with excess superoxide formation. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F420-30	4.3	266
2	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, 517-26	0.9	104
1	Alterations in renal mitochondrial respiration in response to the reactive oxoaldehyde methylglyoxal. *American Journal of Physiology - Renal Physiology*, **2002**, 283, F52-9	4.3	80