

Mariana G Rosca

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.

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	Cardiac mitochondria in heart failure: decrease in respirasomes and oxidative phosphorylation. <i>Cardiovascular Research</i> , 2008 , 80, 30-9	9.9	284
31	Glycation of mitochondrial proteins from diabetic rat kidney is associated with excess superoxide formation. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 289, F420-30	4.3	266
30	Mitochondria in heart failure. <i>Cardiovascular Research</i> , 2010 , 88, 40-50	9.9	176
29	Mitochondria in cardiac hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 55, 31-41	5.8	160
28	Mitochondrial dysfunction in heart failure. <i>Heart Failure Reviews</i> , 2013 , 18, 607-22	5	157
27	Oxidation of fatty acids is the source of increased mitochondrial reactive oxygen species production in kidney cortical tubules in early diabetes. <i>Diabetes</i> , 2012 , 61, 2074-83	0.9	119
26	Paradoxical effects of green tea (<i>Camellia sinensis</i>) and antioxidant vitamins in diabetic rats: improved retinopathy and renal mitochondrial defects but deterioration of collagen matrix glycooxidation and cross-linking. <i>Diabetes</i> , 2005 , 54, 517-26	0.9	104
25	Kruppel-like factor 15 regulates skeletal muscle lipid flux and exercise adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6739-44	11.5	88
24	Kruppel-like factor 15 is a critical regulator of cardiac lipid metabolism. <i>Journal of Biological Chemistry</i> , 2014 , 289, 5914-24	5.4	82
23	Alterations in renal mitochondrial respiration in response to the reactive oxoaldehyde methylglyoxal. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, F52-9	4.3	80
22	Mitochondria in the elderly: Is acetylcarnitine a rejuvenator?. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1332-1342	18.5	68
21	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3461-76	15.9	67
20	Cardiac mitochondria in heart failure: normal cardiolipin profile and increased threonine phosphorylation of complex IV. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 1373-82	4.6	63
19	Mitochondrial complex I defect and increased fatty acid oxidation enhance protein lysine acetylation in the diabetic heart. <i>Cardiovascular Research</i> , 2015 , 107, 453-65	9.9	57
18	Mitochondrial NAD/NADH Redox State and Diabetic Cardiomyopathy. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 375-398	8.4	50
17	Fatty acid oxidation in cardiac and skeletal muscle mitochondria is unaffected by deletion of CD36. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 467, 234-8	4.1	43
16	New aspects of impaired mitochondrial function in heart failure. <i>Journal of Bioenergetics and Biomembranes</i> , 2009 , 41, 107-12	3.7	41

15	Aging-dependent changes in rat heart mitochondrial glutaredoxins--Implications for redox regulation. <i>Redox Biology</i> , 2013 , 1, 586-98	11.3	25
14	Altered expression of the adenine nucleotide translocase isoforms and decreased ATP synthase activity in skeletal muscle mitochondria in heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 927-35	5.8	25
13	Liraglutide improves insulin sensitivity in high fat diet induced diabetic mice through multiple pathways. <i>European Journal of Pharmacology</i> , 2019 , 861, 172594	5.3	22
12	Gclc deficiency in mouse CNS causes mitochondrial damage and neurodegeneration. <i>Human Molecular Genetics</i> , 2017 , 26, 1376-1390	5.6	19
11	Diabetic Retinopathy: The Role of Mitochondria in the Neural Retina and Microvascular Disease. <i>Antioxidants</i> , 2020 , 9,	7.1	15
10	Apoptosis inducing factor deficiency causes retinal photoreceptor degeneration. The protective role of the redox compound methylene blue. <i>Redox Biology</i> , 2019 , 20, 107-117	11.3	13
9	Isolation of mitochondrial subpopulations from skeletal muscle: Optimizing recovery and preserving integrity. <i>Acta Physiologica</i> , 2019 , 225, e13182	5.6	12
8	Methylene blue decreases mitochondrial lysine acetylation in the diabetic heart. <i>Molecular and Cellular Biochemistry</i> , 2017 , 432, 7-24	4.2	10
7	Berberine hydrochloride protects against cytokine-induced inflammation through multiple pathways in undifferentiated C2C12 myoblast cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019 , 97, 699-707	2.4	6
6	Multiple muscle cell alterations in a case of encephalomyopathy. <i>Ultrastructural Pathology</i> , 2014 , 38, 13-25	1.3	6
5	Methylene blue alleviates endothelial dysfunction and reduces oxidative stress in aortas from diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018 , 96, 1012-1016	2.4	4
4	Mitochondria in Diabetic Kidney Disease. <i>Cells</i> , 2021 , 10,	7.9	4
3	Type 2 Diabetes and Chronic Conditions Disparities in Medicare Beneficiaries in the State of Michigan. <i>American Journal of the Medical Sciences</i> , 2020 , 359, 218-225	2.2	1
2	Green Tea (<i>Camellia sinensis</i>) Ameliorates Retinopathy and Renal Mitochondrial Defects but Deteriorates Collagen Glycoxidation and Cross-Linking in Experimental Diabetes. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1043, 940-940	6.5	
1	Diabetes causes kidney cell-specific mitochondrial phenotypes and increased generation of superoxide. <i>FASEB Journal</i> , 2007 , 21, A841	0.9	