

# Douglas R Moellering

## 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.

43  
papers

2,434  
citations

28  
h-index

44  
g-index

44  
ext. papers

2,726  
ext. citations

5  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
43	Cell signaling by reactive nitrogen and oxygen species in atherosclerosis. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 1780-94	7.8	178
42	Human glutamate cysteine ligase gene regulation through the electrophile response element. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 1152-9	7.8	171
41	Pyruvate dehydrogenase kinase 1 participates in macrophage polarization via regulating glucose metabolism. <i>Journal of Immunology</i> , <b>2015</b> , 194, 6082-9	5.3	167
40	Biphasic effects of 15-deoxy-delta(12,14)-prostaglandin J(2) on glutathione induction and apoptosis in human endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 1846-51	9.4	140
39	Atypical antipsychotic drugs directly impair insulin action in adipocytes: effects on glucose transport, lipogenesis, and antilipolysis. <i>Neuropsychopharmacology</i> , <b>2007</b> , 32, 765-72	8.7	128
38	Nitric oxide-dependent induction of glutathione synthesis through increased expression of gamma-glutamylcysteine synthetase. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 358, 74-82	4.1	110
37	Oxidized LDL induces mitochondrially associated reactive oxygen/nitrogen species formation in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 289, H852-61	5.2	107
36	Acquisition of chemoresistance in gliomas is associated with increased mitochondrial coupling and decreased ROS production. <i>PLoS ONE</i> , <b>2011</b> , 6, e24665	3.7	106
35	The progression of cardiometabolic disease: validation of a new cardiometabolic disease staging system applicable to obesity. <i>Obesity</i> , <b>2014</b> , 22, 110-8	8	97
34	Cytoprotection against oxidative stress and the regulation of glutathione synthesis. <i>Biological Chemistry</i> , <b>2003</b> , 384, 527-37	4.5	97
33	The induction of GSH synthesis by nanomolar concentrations of NO in endothelial cells: a role for gamma-glutamylcysteine synthetase and gamma-glutamyl transpeptidase. <i>FEBS Letters</i> , <b>1999</b> , 448, 292-6	3.8	96
32	ASSESSMENT OF A MICROPLATE SYSTEM FOR MEASURING INDIVIDUAL REAL-TIME RESPIRATION IN SMALL MODEL ORGANISMS OF AGING. <i>Innovation in Aging</i> , <b>2019</b> , 3, S918-S919	0.1	78
31	Use of HbA1c for diagnoses of diabetes and prediabetes: comparison with diagnoses based on fasting and 2-hr glucose values and effects of gender, race, and age. <i>Metabolic Syndrome and Related Disorders</i> , <b>2014</b> , 12, 258-68	2.6	71
30	Novel, high-intensity exercise prescription improves muscle mass, mitochondrial function, and physical capacity in individuals with Parkinson's disease. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 582-92	3.7	70
29	Mitochondrial genetic background modulates bioenergetics and susceptibility to acute cardiac volume overload. <i>Biochemical Journal</i> , <b>2013</b> , 455, 157-67	3.8	63
28	Mammalian Tribbles homolog 3 impairs insulin action in skeletal muscle: role in glucose-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 298, E565-76	6	59
27	Effects of pyrrolidine dithiocarbamate on endothelial cells: protection against oxidative stress. <i>Free Radical Biology and Medicine</i> , <b>1999</b> , 26, 1138-45	7.8	59

26	Induction of glutathione synthesis by oxidized low-density lipoprotein and 1-palmitoyl-2-arachidonyl phosphatidylcholine: protection against quinone-mediated oxidative stress. <i>Biochemical Journal</i> , <b>2002</b> , 362, 51-59	3.8	55
25	Inhibition of mitochondrial protein synthesis results in increased endothelial cell susceptibility to nitric oxide-induced apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 6643-8	11.5	53
24	Effect of exercise and calorie restriction on biomarkers of aging in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1618-27	3.2	47
23	Skeletal muscle lipid peroxidation and insulin resistance in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E1182-6	5.6	45
22	The interplay of nitric oxide and peroxynitrite with signal transduction pathways: implications for disease. <i>Seminars in Perinatology</i> , <b>1997</b> , 21, 351-66	3.3	45
21	The mitochondrial paradigm for cardiovascular disease susceptibility and cellular function: a complementary concept to Mendelian genetics. <i>Laboratory Investigation</i> , <b>2011</b> , 91, 1122-35	5.9	43
20	Hydrogen sulfide stimulates Mycobacterium tuberculosis respiration, growth and pathogenesis. <i>Nature Communications</i> , <b>2020</b> , 11, 557	17.4	39
19	Central IGF-1 protects against features of cognitive and sensorimotor decline with aging in male mice. <i>GeroScience</i> , <b>2019</b> , 41, 185-208	8.9	38
18	Endothelial NOS-dependent activation of c-Jun NH(2)- terminal kinase by oxidized low-density lipoprotein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H2705-13	5.2	31
17	Activation of c-Jun N-terminal kinase and apoptosis in endothelial cells mediated by endogenous generation of hydrogen peroxide. <i>Biological Chemistry</i> , <b>2002</b> , 383, 693-701	4.5	30
16	Identification of Small Molecule Inhibitors of Human Cytochrome c Oxidase That Target Chemoresistant Glioma Cells. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 24188-24199	5.4	30
15	Induction of glutathione synthesis by oxidized low-density lipoprotein and 1-palmitoyl-2-arachidonyl phosphatidylcholine: protection against quinone-mediated oxidative stress. <i>Biochemical Journal</i> , <b>2002</b> , 362, 51-9	3.8	28
14	Ambient Temperature and Obesity. <i>Current Obesity Reports</i> , <b>2012</b> , 1, 26-34	8.4	26
13	Endothelial Cell Bioenergetics and Mitochondrial DNA Damage Differ in Humans Having African or West Eurasian Maternal Ancestry. <i>Circulation: Cardiovascular Genetics</i> , <b>2016</b> , 9, 26-36		20
12	Role of TRIB3 in regulation of insulin sensitivity and nutrient metabolism during short-term fasting and nutrient excess. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 303, E908-16	6	20
11	Potential Causes of Elevated REE after High-Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2414-2421	1.2	17
10	Nuclear genomic control of naturally occurring variation in mitochondrial function in Drosophila melanogaster. <i>BMC Genomics</i> , <b>2012</b> , 13, 659	4.5	16
9	Chronic Inflammation in Rheumatoid Arthritis and Mediators of Skeletal Muscle Pathology and Physical Impairment: A Review. <i>Arthritis Care and Research</i> , <b>2019</b> , 71, 173-177	4.7	14

8	Fingernail and toenail clippings as a non-invasive measure of chronic cortisol levels in adult cancer survivors. <i>Cancer Causes and Control</i> , <b>2018</b> , 29, 185-191	2.8	13
7	Detailed methods of two home-based vegetable gardening intervention trials to improve diet, physical activity, and quality of life in two different populations of cancer survivors. <i>Contemporary Clinical Trials</i> , <b>2016</b> , 50, 201-12	2.3	10
6	Age- and Genotype-Specific Effects of the Angiotensin-Converting Enzyme Inhibitor Lisinopril on Mitochondrial and Metabolic Parameters in. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	8
5	Physiological Significance of Discrimination on Stress Markers, Obesity, and LDL Oxidation among a European American and African American Cohort of Females. <i>International Journal of Behavioral Medicine</i> , <b>2020</b> , 27, 213-224	2.6	4
4	Exercise Effects on Mitochondrial Function and Lipid Metabolism during Energy Balance. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 827-834	1.2	3
3	Relationship between V o, cycle economy, and mitochondrial respiration in untrained/trained. <i>Journal of Applied Physiology</i> , <b>2019</b> , 127, 1562-1568	3.7	2
2	Reply: Second Generation Antipsychotic Drugs: Is There a Common Mechanism in the Development of Obesity? <i>Neuropsychopharmacology</i> , <b>2007</b> , 32, 2433-2434	8.7	0
1	Associations of Mitochondrial Fatty Acid Oxidation with Body Fat in Premenopausal Women. <i>Journal of Nutrition and Metabolism</i> , <b>2017</b> , 2017, 7832057	2.7	