

Douglas R Moellering

List of Publications by Year in descending order

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44
papers

2,901
citations

172207

29
h-index

276539

41
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44
all docs

44
docs citations

44
times ranked

4692
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyruvate Dehydrogenase Kinase 1 Participates in Macrophage Polarization via Regulating Glucose Metabolism. <i>Journal of Immunology</i> , 2015, 194, 6082-6089.	0.4	251
2	Cell signaling by reactive nitrogen and oxygen species in atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1780-1794.	1.3	196
3	Human glutamate cysteine ligase gene regulation through the electrophile response element. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1152-1159.	1.3	188
4	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> , 2001, 21, 1846-1851.	1.1	144
5	Atypical Antipsychotic Drugs Directly Impair Insulin Action in Adipocytes: Effects on Glucose Transport, Lipogenesis, and Antilipolysis. <i>Neuropsychopharmacology</i> , 2007, 32, 765-772.	2.8	143
6	The progression of cardiometabolic disease: Validation of a new cardiometabolic disease staging system applicable to obesity. <i>Obesity</i> , 2014, 22, 110-118.	1.5	139
7	Acquisition of Chemoresistance in Gliomas Is Associated with Increased Mitochondrial Coupling and Decreased ROS Production. <i>PLoS ONE</i> , 2011, 6, e24665.	1.1	123
8	Oxidized LDL induces mitochondrially associated reactive oxygen/nitrogen species formation in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H852-H861.	1.5	122
9	Nitric Oxide-Dependent Induction of Glutathione Synthesis through Increased Expression of Γ^3 -Glutamylcysteine Synthetase. <i>Archives of Biochemistry and Biophysics</i> , 1998, 358, 74-82.	1.4	118
10	The induction of GSH synthesis by nanomolar concentrations of NO in endothelial cells: a role for Γ^3 -glutamylcysteine synthetase and Γ^3 -glutamyl transpeptidase. <i>FEBS Letters</i> , 1999, 448, 292-296.	1.3	115
11	Cytoprotection against Oxidative Stress and the Regulation of Glutathione Synthesis. <i>Biological Chemistry</i> , 2003, 384, 527-37.	1.2	114
12	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> , 2014, 12, 258-268.	0.5	104
13	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> , 2014, 116, 582-592.	1.2	96
14	Mitochondrial genetic background modulates bioenergetics and susceptibility to acute cardiac volume overload. <i>Biochemical Journal</i> , 2013, 455, 157-167.	1.7	79
15	Hydrogen sulfide stimulates <i>Mycobacterium tuberculosis</i> respiration, growth and pathogenesis. <i>Nature Communications</i> , 2020, 11, 557.	5.8	70
16	Mammalian <i>Tribbles</i> homolog 3 impairs insulin action in skeletal muscle: role in glucose-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E565-E576.	1.8	65
17	Effects of pyrrolidine dithiocarbamate on endothelial cells: protection against oxidative stress. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1138-1145.	1.3	62
18	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> , 2002, 362, 51-59.	1.7	62

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19	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> , 2002, 99, 6643-6648.	3.3	60
20	Central IGF-1 protects against features of cognitive and sensorimotor decline with aging in male mice. <i>GeroScience</i> , 2019, 41, 185-208.	2.1	59
21	Effect of exercise and calorie restriction on biomarkers of aging in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1618-R1627.	0.9	55
22	Skeletal Muscle Lipid Peroxidation and Insulin Resistance in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1182-E1186.	1.8	53
23	The mitochondrial paradigm for cardiovascular disease susceptibility and cellular function: a complementary concept to Mendelian genetics. <i>Laboratory Investigation</i> , 2011, 91, 1122-1135.	1.7	52
24	The interplay of nitric oxide and peroxynitrite with signal transduction pathways: Implications for disease. <i>Seminars in Perinatology</i> , 1997, 21, 351-366.	1.1	48
25	Ambient Temperature and Obesity. <i>Current Obesity Reports</i> , 2012, 1, 26-34.	3.5	43
26	Endothelial NOS-dependent activation of c-Jun NH2-terminal kinase by oxidized low-density lipoprotein. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H2705-H2713.	1.5	39
27	Identification of Small Molecule Inhibitors of Human Cytochrome c Oxidase That Target Chemoresistant Glioma Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 24188-24199.	1.6	37
28	Activation of c-Jun N-Terminal Kinase and Apoptosis in Endothelial Cells Mediated by Endogenous Generation of Hydrogen Peroxide. <i>Biological Chemistry</i> , 2002, 383, 693-701.	1.2	32
29	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> , 2002, 362, 51.	1.7	29
30	Endothelial Cell Bioenergetics and Mitochondrial DNA Damage Differ in Humans Having African or West Eurasian Maternal Ancestry. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 26-36.	5.1	29
31	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> , 2012, 303, E908-E916.	1.8	26
32	Potential Causes of Elevated REE after High-Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2414-2421.	0.2	26
33	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> , 2016, 50, 201-212.	0.8	22
34	Chronic Inflammation in Rheumatoid Arthritis and Mediators of Skeletal Muscle Pathology and Physical Impairment: A Review. <i>Arthritis Care and Research</i> , 2019, 71, 173-177.	1.5	21
35	Nuclear genomic control of naturally occurring variation in mitochondrial function in <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2012, 13, 659.	1.2	19
36	Fingernail and toenail clippings as a non-invasive measure of chronic cortisol levels in adult cancer survivors. <i>Cancer Causes and Control</i> , 2018, 29, 185-191.	0.8	18

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37	Age- and Genotype-Specific Effects of the Angiotensin-Converting Enzyme Inhibitor Lisinopril on Mitochondrial and Metabolic Parameters in <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 3351.	1.8	15
38	Exercise Effects on Mitochondrial Function and Lipid Metabolism during Energy Balance. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 827-834.	0.2	10
39	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> , 2020, 27, 213-224.	0.8	10
40	Relationship between $\dot{V}O_2$ peak, cycle economy, and mitochondrial respiration in untrained/trained. <i>Journal of Applied Physiology</i> , 2019, 127, 1562-1568.	1.2	6
41	Reply: "Second Generation Antipsychotic Drugs: Is There a Common Mechanism in the Development of Obesity?" TM . <i>Neuropsychopharmacology</i> , 2007, 32, 2433-2434.	2.8	1
42	Associations of Mitochondrial Fatty Acid Oxidation with Body Fat in Premenopausal Women. <i>Journal of Nutrition and Metabolism</i> , 2017, 2017, 1-7.	0.7	0
43	ASSESSMENT OF A MICROPLATE SYSTEM FOR MEASURING INDIVIDUAL REAL-TIME RESPIRATION IN SMALL MODEL ORGANISMS OF AGING. <i>Innovation in Aging</i> , 2019, 3, S918-S919.	0.0	0
44	Dietary inflammation score is associated with perceived stress, depression, and cardiometabolic health risk factors among a young adult cohort of women. <i>Clinical Nutrition ESPEN</i> , 2022, , .	0.5	0