Vernon W Dolinsky

List of Publications by Year
in descending order

66 papers	2,457 citations	236925 25 h-index	214800 47 g-index
72 all docs	72 docs citations	72 times ranked	3975 citing authors

#	Article	IF	Citations
1	Sirtuin 3 overexpression preserves maximal sarco(endo)plasmic reticulum calcium ATPase activity in the skeletal muscle of mice subjected to high fat â€“ high sucrose feeding. Canadian Journal of Physiology and Pharmacology, 2022, 100, 361-370.	1.4	2
2	Maternal diabetes promotes offspring lung dysfunction and inflammation in a sex-dependent manner. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L373-L384.	2.9	6
3	Pcyt2 deficiency causes age-dependant development of nonalcoholic steatohepatitis and insulin resistance that could be attenuated with phosphonoethylamine. Scientific Reports, 2022, 12, 1048.	3.3	9
4	Adiponectin deficiency induces hepatic steatosis during pregnancy and gestational diabetes in mice. Diabetologia, 2022, 65, 733-747.	6.3	11
5	Altered cardiolipin metabolism is associated with cardiac mitochondrial dysfunction in pulmonary vascular remodeled perinatal rat pups. PLoS ONE, 2022, 17, e0263520.	2.5	2
6	CEBPÎ² regulation of endogenous IGF-1 in adult sensory neurons can be mobilized to overcome diabetes-induced deficits in bioenergetics and axonal outgrowth. Cellular and Molecular Life Sciences, 2022, 79, 193.	5.4	10
7	Differential expression of <scp>HNF1A</scp> and <scp>HNF1Aâ€AS1</scp> in colon cancer cells. IUBMB Life, 2022, 74, 496-507.	3.4	1
8	More than meets the islet: aligning nutrient and paracrine inputs with hormone secretion in health and disease. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E446-E463.	3.5	6
9	Recent Experimental Studies of Maternal Obesity, Diabetes during Pregnancy and the Developmental Origins of Cardiovascular Disease. International Journal of Molecular Sciences, 2022, 23, 4467.	4.1	17
10	Mitochondrial Sirtuin-3 (SIRT3) Prevents Doxorubicin-Induced Dilated Cardiomyopathy by Modulating Protein Acetylation and Oxidative Stress. Circulation: Heart Failure, 2022, 15, 101161CIRCHEARTFAILURE121008547.	3.9	25
11	Extracellular Vesicles as an Index for Endothelial Injury and Cardiac Dysfunction in a Rodent Model of GDM. International Journal of Molecular Sciences, 2022, 23, 4970.	4.1	3
12	BNIP3L/Nix-induced mitochondrial fission, mitophagy, and impaired myocyte glucose uptake are abrogated by PRKA/PKA phosphorylation. Autophagy, 2021, 17, 2257-2272.	9.1	59
13	Supplemental Berberine in a High-Fat Diet Reduces Adiposity and Cardiac Dysfunction in Offspring of Mouse Dams with Gestational Diabetes Mellitus. Journal of Nutrition, 2021, 151, 892-901.	2.9	7
14	Maternal glucose in pregnancy is associated with child's adiposity and leptin at 5â€‰years of age. Pediatric Obesity, 2021, 16, e12788.	2.8	5
15	Tafazzin Deficiency Reduces Basal Insulin Secretion and Mitochondrial Function in Pancreatic Islets From Male Mice. Endocrinology, 2021, 162, .	2.8	10
16	Berberine elevates cardiolipin in heart of offspring from mouse dams with high fat diet-induced gestational diabetes mellitus. Scientific Reports, 2021, 11, 15770.	3.3	7
17	Muscleâ€specific sirtuin 3 overexpression does not attenuate the pathological effects of highâ€fat/highâ€sucrose feeding but does enhance cardiac SERCA2a activity. Physiological Reports, 2021, 9, e14961.	1.7	5
18	Saskatoon berry powder reduces hepatic steatosis and insulin resistance in high fat-high sucrose diet-induced obese mice. Journal of Nutritional Biochemistry, 2021, 95, 108778.	4.2	10

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19	Misoprostol treatment prevents hypoxia-induced cardiac dysfunction through a 14-3-3 and PKA regulatory motif on Bnip3. Cell Death and Disease, 2021, 12, 1105.	6.3	7
20	Choline transporter-like 1 deficiency causes a new type of childhood-onset neurodegeneration. Brain, 2020, 143, 94-111.	7.6	18
21	Cardiac structure and function in youth with type 2 diabetes in the iCARE cohort study: Crossâ€sectional associations with prenatal exposure to diabetes and metabolomic profiles. Pediatric Diabetes, 2020, 21, 233-242.	2.9	3
22	Intrauterine exposure to diabetes and risk of cardiovascular disease in adolescence and early adulthood: a population-based birth cohort study. Cmaj, 2020, 192, E1104-E1113.	2.0	19
23	Resveratrol Inhibits Neointimal Growth after Arterial Injury in High-Fat-Fed Rodents: The Roles of SIRT1 and AMPK. Journal of Vascular Research, 2020, 57, 325-340.	1.4	5
24	Nonnutritive sweetener consumption during pregnancy, adiposity, and adipocyte differentiation in offspring: evidence from humans, mice, and cells. International Journal of Obesity, 2020, 44, 2137-2148.	3.4	27
25	Cardiolipin deficiency elevates susceptibility to a lipotoxic hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2020, 144, 24-34.	1.9	25
26	The Cardiac Lipidome in Models of Cardiovascular Disease. Metabolites, 2020, 10, 254.	2.9	21
27	Resveratrol for adults with type 2 diabetes mellitus. The Cochrane Library, 2020, 2020, CD011919.	2.8	37
28	Gestational Diabetes Adversely Affects Pancreatic Islet Architecture and Function in the Male Rat Offspring. Endocrinology, 2019, 160, 1907-1925.	2.8	21
29	Maternal resveratrol administration protects against gestational diabetesâ€induced glucose intolerance and islet dysfunction in the rat offspring. Journal of Physiology, 2019, 597, 4175-4192.	2.9	31
30	Myocardin regulates mitochondrial calcium homeostasis and prevents permeability transition. Cell Death and Differentiation, 2018, 25, 1732-1748.	11.2	38
31	Therapies for gestational diabetes and their implications for maternal and offspring health: Evidence from human and animal studies. Pharmacological Research, 2018, 130, 52-73.	7.1	21
32	Maternal obesity, diabetes during pregnancy and epigenetic mechanisms that influence the developmental origins of cardiometabolic disease in the offspring. Critical Reviews in Clinical Laboratory Sciences, 2018, 55, 71-101.	6.1	136
33	Maternal Î²-Cell Adaptations in Pregnancy and Placental Signalling: Implications for Gestational Diabetes. International Journal of Molecular Sciences, 2018, 19, 3467.	4.1	79
34	CardiacFgf-16Expression Supports Cardiomyocyte Survival and Increases Resistance to Doxorubicin Cytotoxicity. DNA and Cell Biology, 2018, 37, 866-877.	1.9	5
35	Phosphokinome Analysis of Barth Syndrome Lymphoblasts Identify Novel Targets in the Pathophysiology of the Disease. International Journal of Molecular Sciences, 2018, 19, 2026.	4.1	3
36	Early-Life Exposure to Non-Nutritive Sweeteners and the Developmental Origins of Childhood Obesity: Global Evidence from Human and Rodent Studies. Nutrients, 2018, 10, 194.	4.1	46

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37	Hyaluronidase 2 Deficiency Causes Increased Mesenchymal Cells, Congenital Heart Defects, and Heart Failure. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	26
38	The role of sirtuins in mitochondrial function and doxorubicin-induced cardiac dysfunction. Biological Chemistry, 2017, 398, 955-974.	2.5	36
39	Exposure to gestational diabetes mellitus induces neuroinflammation, derangement of hippocampal neurons, and cognitive changes in rat offspring. Journal of Neuroinflammation, 2017, 14, 80.	7.2	105
40	High-dose metformin (420 mg/kg daily p.o.) increases insulin sensitivity but does not affect neointimal thickness in the rat carotid balloon injury model of restenosis. Metabolism: Clinical and Experimental, 2017, 68, 108-118.	3.4	9
41	Uncoupling protein 2 regulates daily rhythms of insulin secretion capacity in MIN6 cells and isolated islets from male mice. Molecular Metabolism, 2017, 6, 760-769.	6.5	24
42	Hearts lacking plasma membrane K_{ATP} channels display changes in basal aerobic metabolic substrate preference and AMPK activity. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H469-H478.	3.2	8
43	Maternal Macronutrient Consumption and the Developmental Origins of Metabolic Disease in the Offspring. International Journal of Molecular Sciences, 2017, 18, 1451.	4.1	56
44	Mutations in HYAL2, Encoding Hyaluronidase 2, Cause a Syndrome of Orofacial Clefting and Cor Triatriatum Sinister in Humans and Mice. PLoS Genetics, 2017, 13, e1006470.	3.5	20
45	Hyaluronidase 2 deficiency is a molecular cause of cor triatriatum sinister in mice. International Journal of Cardiology, 2016, 209, 281-283.	1.7	8
46	Bcl-2 Regulates Reactive Oxygen Species Signaling and a Redox-Sensitive Mitochondrial Proton Leak in Mouse Pancreatic Î²-Cells. Endocrinology, 2016, 157, 2270-2281.	2.8	41
47	Association Between Artificially Sweetened Beverage Consumption During Pregnancy and Infant Body Mass Index. JAMA Pediatrics, 2016, 170, 662.	6.2	126
48	In utero exposure to gestational diabetes mellitus conditions TLR4 and TLR2 activated IL-1beta responses in spleen cells from rat offspring. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 2137-2146.	3.8	10
49	Cardiac mitochondrial energy metabolism in heart failure: Role of cardiolipin and sirtuins. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1544-1554.	2.4	62
50	Maternal obesity characterized by gestational diabetes increases the susceptibility of rat offspring to hepatic steatosis via a disrupted liver metabolome. Journal of Physiology, 2015, 593, 3181-3197.	2.9	77
51	The effect of insulin to decrease neointimal growth after arterial injury is endothelial nitric oxide synthase-dependent. Atherosclerosis, 2015, 241, 111-120.	0.8	20
52	Targeting skeletal muscle mitochondria to prevent type 2 diabetes in youth. Biochemistry and Cell Biology, 2015, 93, 452-465.	2.0	27
53	Influence of maternal overnutrition and gestational diabetes on the programming of metabolic health outcomes in the offspring: experimental evidence. Biochemistry and Cell Biology, 2015, 93, 438-451.	2.0	44
54	Exploring the role of the HNF-1Î±G319S polymorphism in Î² cell failure and youth-onset type 2 diabetes: Lessons from MODY and Hnf-1Î±-deficient animal models. Biochemistry and Cell Biology, 2015, 93, 487-494.	2.0	4

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55	Sirtuin-3 (SIRT3) Protein Attenuates Doxorubicin-induced Oxidative Stress and Improves Mitochondrial Respiration in H9c2 Cardiomyocytes. Journal of Biological Chemistry, 2015, 290, 10981-10993.	3.4	142
56	Experimental Studies of the Molecular Pathways Regulated by Exercise and Resveratrol in Heart, Skeletal Muscle and the Vasculature. Molecules, 2014, 19, 14919-14947.	3.8	26
57	Both aerobic exercise and resveratrol supplementation attenuate doxorubicin-induced cardiac injury in mice. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E243-E253.	3.5	105
58	Improvements in skeletal muscle strength and cardiac function induced by resveratrol during exercise training contribute to enhanced exercise performance in rats. Journal of Physiology, 2012, 590, 2783-2799.	2.9	138
59	A carbohydrate restricted â€“ high fat diet reduces blood pressure in spontaneously hypertensive rats without causing insulin resistance. FASEB Journal, 2012, 26, 869.12.	0.5	0
60	Calorie restriction and resveratrol in cardiovascular health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1477-1489.	3.8	137
61	Hypoxia-Induced Intrauterine Growth Restriction Increases the Susceptibility of Rats to High-Fat Dietâ€“Induced Metabolic Syndrome. Diabetes, 2011, 60, 507-516.	0.6	115
62	Continued Postnatal Administration of Resveratrol Prevents Diet-Induced Metabolic Syndrome in Rat Offspring Born Growth Restricted. Diabetes, 2011, 60, 2274-2284.	0.6	67
63	Calorie Restriction Prevents Hypertension and Cardiac Hypertrophy in the Spontaneously Hypertensive Rat. Hypertension, 2010, 56, 412-421.	2.7	109
64	Role of AMP-activated protein kinase in healthy and diseased hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2557-H2569.	3.2	115
65	Regulation of triacylglycerol hydrolase expression by dietary fatty acids and peroxisomal proliferator-activated receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2003, 1635, 20-28.	2.4	32
66	Thyroxine regulation of monolysocardiolipin acyltransferase activity in rat heart. Biochemical Journal, 2000, 346, 403-406.	3.7	29