Dorota Rogacka

List of Publications by Year in descending order

43 papers	915 citations	516710 16 h-index	477307 29 g-index
44 all docs	44 docs citations	44 times ranked	997 citing authors

#	Article	IF	Citations
1	Metformin induces suppression of NAD(P)H oxidase activity in podocytes. Biochemical and Biophysical Research Communications, 2010, 393, 268-273.	2.1	122
2	High glucose concentration affects the oxidant-antioxidant balance in cultured mouse podocytes. Journal of Cellular Biochemistry, 2011, 112, 1661-1672.	2.6	85
3	Metformin overcomes high glucose-induced insulin resistance of podocytes by pleiotropic effects on SIRT1 and AMPK. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 115-125.	3.8	68
4	Hydrogen peroxide induces dimerization of protein kinase G type IÎ± subunits and increases albumin permeability in cultured rat podocytes. Journal of Cellular Physiology, 2012, 227, 1004-1016.	4.1	45
5	Involvement of the AMPKâ€“PTEN pathway in insulin resistance induced by high glucose in cultured rat podocytes. International Journal of Biochemistry and Cell Biology, 2014, 51, 120-130.	2.8	44
6	Insulin increases glomerular filtration barrier permeability through dimerization of protein kinase G type IÎ± subunits. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 791-804.	3.8	40
7	SIRT1-AMPK crosstalk is involved in high glucose-dependent impairment of insulin responsiveness in primary rat podocytes. Experimental Cell Research, 2016, 349, 328-338.	2.6	33
8	The TRPC6-AMPK Pathway is Involved in Insulin-Dependent Cytoskeleton Reorganization and Glucose Uptake in Cultured Rat Podocytes. Cellular Physiology and Biochemistry, 2018, 51, 393-410.	1.6	33
9	Metformin reduces TRPC6 expression through AMPK activation and modulates cytoskeleton dynamics in podocytes under diabetic conditions. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165610.	3.8	33
10	Insulin increases glomerular filtration barrier permeability through PKGIÎ±-dependent mobilization of BKCa channels in cultured rat podocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1599-1609.	3.8	32
11	Hyperglycemia alters mitochondrial respiration efficiency and mitophagy in human podocytes. Experimental Cell Research, 2021, 407, 112758.	2.6	30
12	2,7-Dihydro-3H-pyridazino[5,4,3-kl]acridin-3-one derivatives, novel type of cytotoxic agents active on multidrug-resistant cell lines. Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2005, 13, 1969-1975.	3.0	26
13	Insulin increases filtration barrier permeability via TRPC6-dependent activation of PKGIÎ± signaling pathways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1312-1325.	3.8	22
14	High glucose increases glomerular filtration barrier permeability by activating protein kinase G type IÎ± subunits in a Nox4-dependent manner. Experimental Cell Research, 2014, 320, 144-152.	2.6	20
15	Extracellular purines' action on glomerular albumin permeability in isolated rat glomeruli: insights into the pathogenesis of albuminuria. American Journal of Physiology - Renal Physiology, 2016, 311, F103-F111.	2.7	18
16	Expression of membrane-bound NPP-type ecto-phosphodiesterases in rat podocytes cultured at normal and high glucose concentrations. Biochemical and Biophysical Research Communications, 2011, 416, 64-69.	2.1	17
17	Hydrogen peroxide induces activation of insulin signaling pathway via AMP-dependent kinase in podocytes. Biochemical and Biophysical Research Communications, 2012, 428, 167-172.	2.1	17
18	Insulin resistance in glomerular podocytes: Potential mechanisms of induction. Archives of Biochemistry and Biophysics, 2021, 710, 109005.	3.0	17

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19	Insulin stimulates glucose transport via protein kinase G type I alpha-dependent pathway in podocytes. Biochemical and Biophysical Research Communications, 2014, 446, 328-334.	2.1	16
20	Expression of GFAT1 and OGT in podocytes: Transport of glucosamine and the implications for glucose uptake into these cells. Journal of Cellular Physiology, 2010, 225, 577-584.	4.1	15
21	Extracellular ATP through P2 receptors activates AMP-activated protein kinase and suppresses superoxide generation in cultured mouse podocytes. Experimental Cell Research, 2011, 317, 1904-1913.	2.6	15
22	Role of Klotho in Hyperglycemia: Its Levels and Effects on Fibroblast Growth Factor Receptors, Glycolysis, and Glomerular Filtration. International Journal of Molecular Sciences, 2021, 22, 7867.	4.1	15
23	Purinergic modulation of glucose uptake into cultured rat podocytes: Effect of diabetic milieu. Biochemical and Biophysical Research Communications, 2011, 404, 723-727.	2.1	14
24	Viability of primary cultured podocytes is associated with extracellular high glucose-dependent autophagy downregulation. Molecular and Cellular Biochemistry, 2017, 430, 11-19.	3.1	14
25	Intracellular calcium signaling regulates glomerular filtration barrier permeability: the role of the PKCÎ±â€dependent pathway. FEBS Letters, 2016, 590, 1739-1748.	2.8	12
26	Reactive oxygen species are involved in insulin-dependent regulation of autophagy in primary rat podocytes. International Journal of Biochemistry and Cell Biology, 2016, 75, 23-33.	2.8	12
27	Cathepsin C is a novel mediator of podocyte and renal injury induced by hyperglycemia. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118723.	4.1	12
28	Combined effect of insulin and high glucose concentration on albumin permeability in cultured rat podocytes. Biochemical and Biophysical Research Communications, 2015, 461, 383-389.	2.1	10
29	Extracellular ATP modulates podocyte function through P2Y purinergic receptors and pleiotropic effects on AMPK and cAMP/PKA signaling pathways. Archives of Biochemistry and Biophysics, 2020, 695, 108649.	3.0	10
30	The PKCÎ±â€“Rac1 pathway is a novel regulator of insulinâ€dependent glucose uptake in cultured rat podocytes. Journal of Cellular Physiology, 2021, 236, 4655-4668.	4.1	10
31	Involvement of nitric oxide synthase/nitric oxide pathway in the regulation of SIRT1â€“AMPK crosstalk in podocytes: Impact on glucose uptake. Archives of Biochemistry and Biophysics, 2021, 709, 108985.	3.0	10
32	Metformin reduces NAD(P)H oxidase activity in mouse cultured podocytes through purinergic dependent mechanism by increasing extracellular ATP concentration. Acta Biochimica Polonica, 2013, 60, 607-12.	0.5	10
33	The PKCÎ±/VASP pathway is involved in insulin- and high glucose-dependent regulation of albumin permeability in cultured rat podocytes. Journal of Biochemistry, 2020, 168, 575-588.	1.7	9
34	Regulation of podocytes function by AMP-activated protein kinase. Archives of Biochemistry and Biophysics, 2020, 692, 108541.	3.0	8
35	Beneficial effects of metformin on glomerular podocytes in diabetes. Biochemical Pharmacology, 2021, 192, 114687.	4.4	6
36	The role of structural factors in the kinetics of cellular uptake of pyrazoloacridines and pyrazolopyrimidoacridines. Biochemical Pharmacology, 2004, 68, 1815-1823.	4.4	5

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37	Hyperglycemic environment disrupts phosphate transporter function and promotes calcification processes in podocytes and isolated glomeruli. Journal of Cellular Physiology, 2022, 237, 2478-2491.	4.1	3
38	PTEN-induced kinase 1 deficiency alters albumin permeability and insulin signaling in podocytes. Journal of Molecular Medicine, 2022, 100, 903-915.	3.9	3
39	Insulin controls cytoskeleton reorganization and filtration barrier permeability via the PKGIÎ±-Rac1-RhoA crosstalk in cultured rat podocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119301.	4.1	3
40	Purinergic P2 receptors: Involvement and therapeutic implications in diabetes-related glomerular injury. Archives of Biochemistry and Biophysics, 2021, 714, 109078.	3.0	1
41	P0982PTEN-INDUCED KINASE 1 (PINK1) DEPLETION ALTERS MITOCHONDRIAL EFFICIENCY AND GLYCOLYSIS IN HUMAN PODOCYTES. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
42	P0986NO/CGMP PATHWAY MODULATES GLUCOSE UPTAKE VIA REGULATION OF SIRT1 DEACETYLASE EXPRESSION AND ACTIVITY IN PODOCYTES EXPOSED TO HIGH GLUCOSE CONCENTRATIONS. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
43	The Role of AMPKâ€SIRT1 Pathway in High Glucoseâ€Induced Insulin Resistance in Rat Cultured Podocytes. FASEB Journal, 2015, 29, 958.4.	0.5	0