

Protective Antioxidant and Antiapoptotic Effects of ZnO Nanoparticles on PC12 Cells Cultured in Low and High Glucose Concentrations

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Islet Estrogen Receptor- α Is Induced by Hyperglycemia and Protects Against Oxidative Stress-Induced Insulin-Deficient Diabetes. PLoS ONE, 2014, 9, e87941.	1.1	40
2	Insulin Production Hampered by Intermittent Hypoxia via Impaired Zinc Homeostasis. PLoS ONE, 2014, 9, e90192.	1.1	18
3	Zinc Supplementation Protects against Cadmium Accumulation and Cytotoxicity in Madin-Darby Bovine Kidney Cells. PLoS ONE, 2014, 9, e103427.	1.1	33
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5	Genetically Encoded Redox Sensors. Methods in Enzymology, 2014, 542, 263-287.	0.4	7
6	Modulation of ¹⁴ C-labeled glucose metabolism by zinc during aluminium induced neurodegeneration. Journal of Neuroscience Research, 2015, 93, 1434-1441.	1.3	2
7	Can Tea Extracts Exert a Protective Effect Against Diabetes by Reducing Oxidative Stress and Decreasing Glucotoxicity in Pancreatic β -Cells?. Diabetes and Metabolism Journal, 2015, 39, 27.	1.8	4
8	Glucokinase activation is beneficial or toxic to cultured rat pancreatic islets depending on the prevailing glucose concentration. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E632-E639.	1.8	16
9	Polaprezinc attenuates cyclophosphamide-induced cystitis and related bladder pain in mice. Journal of Pharmacological Sciences, 2015, 127, 223-228.	1.1	16
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17	Redox-sensitive GFP to monitor oxidative stress in neurodegenerative diseases. Reviews in the Neurosciences, 2017, 28, 133-144.	1.4	7
18	NADPH oxidase-2 does not contribute to β -cell glucotoxicity in cultured pancreatic islets from C57BL/6j mice. Molecular and Cellular Endocrinology, 2017, 439, 354-362.	1.6	24

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19	Inhibition of TLR4 protects rat islets against lipopolysaccharide-induced dysfunction. <i>Molecular Medicine Reports</i> , 2017, 15, 805-812.	1.1	12
20	Effects of co-exposure to lead and zinc on redox status, kidney variables, and histopathology in adult albino rats. <i>Toxicology and Industrial Health</i> , 2018, 34, 469-480.	0.6	27
21	Metallothionein 1 negatively regulates glucose-stimulated insulin secretion and is differentially expressed in conditions of beta cell compensation and failure in mice and humans. <i>Diabetologia</i> , 2019, 62, 2273-2286.	2.9	16
22	Sublethal Doses of Zinc Protect Rat Neural Stem Cells Against Hypoxia Through Activation of the PI3K Pathway. <i>Stem Cells and Development</i> , 2019, 28, 769-780.	1.1	5
23	Nutrient Metabolism, Subcellular Redox State, and Oxidative Stress in Pancreatic Islets and β -Cells. <i>Journal of Molecular Biology</i> , 2020, 432, 1461-1493.	2.0	56
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25	<p>Toll-Like Receptor 4 and Inflammatory Micro-Environment of Pancreatic Islets in Type-2 Diabetes Mellitus: A Therapeutic Perspective</p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 4261-4272.	1.1	10
26	The presence of an embryo affects day 14 uterine transcriptome depending on the nutritional status in sheep. b. Immune system and uterine remodeling. <i>Theriogenology</i> , 2021, 161, 210-218.	0.9	3
27	Emerging Roles of Metallothioneins in Beta Cell Pathophysiology: Beyond and above Metal Homeostasis and Antioxidant Response. <i>Biology</i> , 2021, 10, 176.	1.3	8
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30	Bioabsorbable metal zinc differentially affects mitochondria in vascular endothelial and smooth muscle cells. <i>Biomaterials and Biosystems</i> , 2021, 4, 100027.	1.0	3
31	Progesterone and cilostazol protect mice pancreatic islets from oxidative stress induced by hydrogen peroxide. <i>Iranian Journal of Pharmaceutical Research</i> , 2014, 13, 937-44.	0.3	17
33	Protection of pancreatic beta cells against high glucose-induced toxicity by astaxanthin-s-allyl cysteine diester: alteration of oxidative stress and apoptotic-related protein expression. <i>Archives of Physiology and Biochemistry</i> , 2022, , 1-9.	1.0	0
34	Oxidative stress monitoring in iPSC-derived motor neurons using genetically encoded biosensors of H ₂ O ₂ . <i>Scientific Reports</i> , 2022, 12, .	1.6	2
35	Mitochondrial zinc toxicity. , 2023, , 723-744.		0
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