

CITATION REPORT

List of articles citing

Overexpression of mitochondrial superoxide dismutase in mice protects the retina from diabetes-induced oxidative stress

DOI: 10.1016/j.freeradbiomed.2006.01.012
Free Radical Biology and Medicine, 2006, 41, 1191-6.

Source: <https://exaly.com/paper-pdf/40750421/citation-report.pdf>

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
188	Superoxide dismutase overexpression and cellular oxidative damage in diabetes. A commentary on "Overexpression of mitochondrial superoxide dismutase in mice protects the retina from diabetes-induced oxidative stress". <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1187-90	7.8	23
187	Metabolic memory phenomenon and accumulation of peroxynitrite in retinal capillaries. 2007 , 2007, 21976		80
186	Role of retinal mitochondria in the development of diabetic retinopathy. 2007 , 2, 237-247		1
185	Oxidative damage in the retinal mitochondria of diabetic mice: possible protection by superoxide dismutase. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 3805-11		252
184	Oxidative stress and diabetic retinopathy. 2007 , 2007, 43603		396
183	The mitochondrial manganese superoxide dismutase gene in Chinese shrimp <i>Fenneropenaeus chinensis</i> : cloning, distribution and expression. 2007 , 31, 429-40		78
182	Effects of curcumin on retinal oxidative stress and inflammation in diabetes. 2007 , 4, 8		232
181	Oxidative stress, glucose metabolism, and the prevention of type 2 diabetes: pathophysiological insights. 2007 , 9, 911-29		77
180	Oxidative stress and diabetic retinopathy: pathophysiological mechanisms and treatment perspectives. 2008 , 9, 315-27		208
179	Evaluation of N (epsilon)-(3-formyl-3,4-dehydropiperidino)lysine as a novel biomarker for the severity of diabetic retinopathy. 2008 , 51, 1723-30		24
178	Complications of type 1 diabetes: new molecular findings. 2008 , 75, 328-51		13
177	Protective effect of melatonin against hippocampal injury of rats with intermittent hypoxia. 2008 , 44, 214-21		50
176	Dietary resveratrol administration increases MnSOD expression and activity in mouse brain. 2008 , 372, 254-9		98
175	Mitochondrial DNA oxidation and manganese superoxide dismutase activity in peripheral blood mononuclear cells from type 2 diabetic patients. 2008 , 34, 117-24		30
174	Photoreceptor mitochondrial oxidative stress in uveitis. 2008 , 3, 299-310		2
173	Beneficial effect of zeaxanthin on retinal metabolic abnormalities in diabetic rats. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1645-51		108
172	An hypothesis to account for the renewal of outer segments in rod and cone photoreceptor cells: renewal as a surrogate antioxidant. 2008 , 49, 3259-61		37

171	Chromium (VI) induces insulin resistance in 3T3-L1 adipocytes through elevated reactive oxygen species generation. <i>Free Radical Research</i> , 2008 , 42, 554-63	4	10
170	Attenuation of cataract progression by A-3922, a dihydrobenzofuran derivative, in streptozotocin-induced diabetic rats. 2008 , 31, 1959-63		14
169	Role of nitric oxide, superoxide, peroxynitrite and PARP in diabetic retinopathy. 2009 , 14, 3974-87		88
168	Delivery of antioxidant enzyme genes to protect against ischemia/reperfusion-induced injury to retinal microvasculature. 2009 , 50, 5587-95		32
167	Genetic polymorphisms in genes encoding antioxidant enzymes are associated with diabetic retinopathy in type 1 diabetes. 2009 , 32, 2258-62		41
166	Retinal ion regulation in a mouse model of diabetic retinopathy: natural history and the effect of Cu/Zn superoxide dismutase overexpression. 2009 , 50, 2351-8		68
165	Protective signalling effect of manganese superoxide dismutase in hypoxia-reoxygenation of hepatocytes. <i>Free Radical Research</i> , 2009 , 43, 1225-39	4	19
164	Role of glyceraldehyde 3-phosphate dehydrogenase in the development and progression of diabetic retinopathy. <i>Diabetes</i> , 2009 , 58, 227-34	0.9	65
163	Effect of N-acetylcysteine on the early expression of inflammatory markers in the retina and plasma of diabetic rats. 2009 , 37, 223-31		42
162	Oxidative stress and the development of diabetic retinopathy: contributory role of matrix metalloproteinase-2. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1677-85	7.8	79
161	Cloning, expression, and characterization of thermostable manganese superoxide dismutase from <i>Thermoascus aurantiacus</i> var. <i>levisporus</i> . 2009 , 47, 123-30		16
160	Combined vitamins (C and E) and insulin improve oxidative stress and pancreatic and hepatic injury in alloxan diabetic rats. 2009 , 63, 95-9		40
159	Oxidative damage of mitochondrial proteins contributes to fruit senescence: a redox proteomics analysis. 2009 , 8, 2449-62		136
158	Pathophysiology and management of diabetic retinopathy. 2009 , 4, 627-647		12
157	Mitochondrial superoxide plays a crucial role in the development of mitochondrial dysfunction during high glucose exposure in rat renal proximal tubular cells. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1149-57	7.8	78
156	Prevention of diabetic nephropathy in <i>Ins2(+/-)(Akita)</i> mice by the mitochondria-targeted therapy MitoQ. 2010 , 432, 9-19		176
155	Prediction of diabetic retinopathy: role of oxidative stress and relevance of apoptotic biomarkers. 2010 , 1, 56-72		32
154	Mutant mouse models of oxidative stress. 2010 , 19, 155-64		19

153	Matrix metalloproteinase-2 in the development of diabetic retinopathy and mitochondrial dysfunction. 2010 , 90, 1365-72		70
152	Hyperglycemia induces oxidative stress and impairs axonal transport rates in mice. 2010 , 5, e13463		61
151	Acute hyperglycemia-induced endothelial dysfunction in retinal arterioles in cats. 2010 , 51, 2648-55		20
150	Organic nitrates and nitrate resistance in diabetes: the role of vascular dysfunction and oxidative stress with emphasis on antioxidant properties of pentaerythrityl tetranitrate. 2010 , 2010, 213176		21
149	AGEs and diabetic retinopathy. 2010 , 51, 4867-74		145
148	The importance of mitochondria in age-related and inherited eye disorders. 2010 , 44, 179-90		78
147	Pathogenesis of Microvascular Complications. 2010 , 553-574		2
146	Oxidative stress and diabetic complications. 2010 , 107, 1058-70		3065
145	Role of Nrf2 in retinal vascular development and the vaso-obliterative phase of oxygen-induced retinopathy. 2010 , 90, 493-500		49
144	Mitochondrial dysfunction in diabetes: from molecular mechanisms to functional significance and therapeutic opportunities. 2010 , 12, 537-77		443
143	Oxidative damage of mitochondrial DNA in diabetes and its protection by manganese superoxide dismutase. <i>Free Radical Research</i> , 2010 , 44, 313-21	4	108
142	Therapeutic targeting of mitochondrial superoxide in hypertension. 2010 , 107, 106-16		541
141	Mitochondrial protein tyrosine nitration. <i>Free Radical Research</i> , 2011 , 45, 37-52	4	74
140	Epigenetic changes in mitochondrial superoxide dismutase in the retina and the development of diabetic retinopathy. <i>Diabetes</i> , 2011 , 60, 1304-13	0.9	151
139	Mitochondrial dysfunction in retinal diseases. <i>Current Eye Research</i> , 2011 , 36, 1069-77	2.9	125
138	Involvement of oxidative stress and mitochondrial dysfunction in the osmotic swelling of retinal glial cells from diabetic rats. 2011 , 92, 87-93		32
137	Increase in retinal hypoxia-inducible factor-2 α but not hypoxia, early in the progression of diabetes in the rat. 2011 , 93, 437-41		23
136	Antioxidant compounds from propolis collected in Anhui, China. 2011 , 16, 3444-55		91

135	Acute hypoglycemia induces retinal cell death in mouse. 2011 , 6, e21586		24
134	Diabetic retinopathy, superoxide damage and antioxidants. 2011 , 12, 352-61		71
133	Inflammation in diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , 2011 , 30, 343-58	20.5	711
132	Overexpression of SOD in retina: need for increase in H ₂ O ₂ -detoxifying enzyme in same cellular compartment. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1347-54	7.8	63
131	Mitochondrial biogenesis and the development of diabetic retinopathy. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1849-60	7.8	108
130	Interleukin-1 β and mitochondria damage, and the development of diabetic retinopathy. 2011 , 4, 3-9		17
129	Cerium oxide and platinum nanoparticles protect cells from oxidant-mediated apoptosis. 2011 , 13, 5547-5555		81
128	Stability of mitochondrial DNA against reactive oxygen species (ROS) generated in diabetes. 2011 , 27, 470-9		17
127	Protective effect of N-acetylcysteine supplementation on mitochondrial oxidative stress and mitochondrial enzymes in cerebral cortex of streptozotocin-treated diabetic rats. 2011 , 11, 214-22		82
126	Alterations to the blood-retinal barrier in diabetes: cytokines and reactive oxygen species. 2011 , 15, 1271-84		92
125	Hypoxia-regulated retinal glial cell-specific promoter for potential gene therapy in disease. 2011 , 52, 8562-70		26
124	Influence of glutathione on the electroretinogram in diabetic and non-diabetic rats. <i>Current Eye Research</i> , 2011 , 36, 831-7	2.9	4
123	Effect of tempol on diabetes-induced decreases in retinal blood flow in the mouse. <i>Current Eye Research</i> , 2011 , 36, 456-61	2.9	22
122	Deficiency of B crystallin augments ER stress-induced apoptosis by enhancing mitochondrial dysfunction. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1111-22	7.8	56
121	Hesperidin prevents retinal and plasma abnormalities in streptozotocin-induced diabetic rats. 2012 , 17, 12868-81		79
120	Matrix metalloproteinases in diabetic retinopathy: potential role of MMP-9. 2012 , 21, 797-805		104
119	Damaged mitochondrial DNA replication system and the development of diabetic retinopathy. 2012 , 17, 492-504		78
118	Hypoxia-induced oxidative stress in ischemic retinopathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2012 , 2012, 426769	6.7	73

117	Effects of N-acetylcysteine on nicotinamide dinucleotide phosphate oxidase activation and antioxidant status in heart, lung, liver and kidney in streptozotocin-induced diabetic rats. 2012 , 53, 294-303		33
116	Chromatin modifications associated with diabetes. 2012 , 5, 399-412		29
115	Effects of antioxidant gene therapy on retinal neurons and oxidative stress in a model of retinal ischemia/reperfusion. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 909-15	7.8	31
114	Titanium-doped cerium oxide nanoparticles protect cells from hydrogen peroxide-induced apoptosis. 2013 , 15, 2126		8
113	Phosphodiesterase inhibition induces retinal degeneration, oxidative stress and inflammation in cone-enriched cultures of porcine retina. 2013 , 111, 122-33		20
112	Epigenetic modification of Sod2 in the development of diabetic retinopathy and in the metabolic memory: role of histone methylation. 2013 , 54, 244-50		97
111	Cell Biology of the Retinal Pigment Epithelium. 2013 , 401-414		4
110	Epigenetic changes in diabetes. 2013 , 84, 1-10		66
109	The potential role of combined antioxidant treatment on pancreas of STZ-diabetic mice. 2013 , 65, 255-62		4
108	Oxidative Stress and Apoptotic Biomarkers in Diabetic Retinopathy. 2013 , 175-209		
107	Mechanisms of Oxidative Stress in Retinal Injury. 2013 , 517-528		
106	Vitreous mediators in retinal hypoxic diseases. 2013 , 2013, 935301		29
105	Leukocytes regulate retinal capillary degeneration in the diabetic mouse via generation of leukotrienes. 2013 , 93, 135-43		34
104	Epigenetic modifications and diabetic retinopathy. 2013 , 2013, 635284		71
103	Transcription factor Nrf2-mediated antioxidant defense system in the development of diabetic retinopathy. 2013 , 54, 3941-8		138
102	Diabetes-induced superoxide anion and breakdown of the blood-retinal barrier: role of the VEGF/uPAR pathway. 2013 , 8, e71868		19
101	Low-intensity far-red light inhibits early lesions that contribute to diabetic retinopathy: in vivo and in vitro. 2013 , 54, 3681-90		67
100	Infliximab reduces Zaprinst-induced retinal degeneration in cultures of porcine retina. 2014 , 11, 172		14

99	Hypoglycemia and Retinal Cell Death. 2014 , 627-636		
98	Complex oscillatory redox dynamics with signaling potential at the edge between normal and pathological mitochondrial function. 2014 , 5, 257		20
97	Molecular mechanisms of diabetic retinopathy, general preventive strategies, and novel therapeutic targets. 2014 , 2014, 801269		111
96	Sirt1, a negative regulator of matrix metalloproteinase-9 in diabetic retinopathy. 2014 , 55, 5653-60		84
95	Mitochondria and Oxidative Stress in Diabetes. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2014 , 63-92		
94	Epigenetic mechanisms in the pathogenesis of diabetic retinopathy. 2014 , 232, 1-9		20
93	NRF2 plays a protective role in diabetic retinopathy in mice. 2014 , 57, 204-13		121
92	(-)-Hydroxycitric acid attenuates endoplasmic reticulum stress-mediated alterations in 3T3-L1 adipocytes by protecting mitochondria and downregulating inflammatory markers. <i>Free Radical Research</i> , 2014 , 48, 1386-96	4	6
91	Oxygen delivery, consumption, and conversion to reactive oxygen species in experimental models of diabetic retinopathy. <i>Redox Biology</i> , 2014 , 2, 661-6	11.3	43
90	The stilbenes resveratrol, pterostilbene and piceid affect growth and stress resistance in mammalian cells via a mechanism requiring estrogen receptor beta and the induction of Mn-superoxide dismutase. 2014 , 98, 164-73		26
89	The rs6060566 of the reactive oxygen species modulator 1 (Romo-1) gene affects Romo-1 expression and the development of diabetic retinopathy in Caucasians with type 2 diabetes. 2015 , 93, e654-7		15
88	Catalase therapy corrects oxidative stress-induced pathophysiology in incipient diabetic retinopathy. 2015 , 56, 3095-102		44
87	DNA damage, poly(ADP-Ribose) polymerase activation, and phosphorylated histone H2AX expression during postnatal retina development in C57BL/6 mouse. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1301-9		8
86	Polymorphic variant of MnSOD A16V and risk of diabetic retinopathy. <i>Molecular Biology</i> , 2015 , 49, 99-102.2		4
85	Cloning and characterization of a differentially expressed mitochondrial manganese superoxide dismutase gene from <i>Pleurotus ostreatus</i> . <i>Annals of Microbiology</i> , 2015 , 65, 1597-1606	3.2	5
84	Retinal Glia. 2015 , 2, 1-644		2
83	Targeting mitochondrial reactive oxygen species to modulate hypoxia-induced pulmonary hypertension. <i>Free Radical Biology and Medicine</i> , 2015 , 87, 36-47	7.8	54
82	Oxidative stress and epigenetic modifications in the pathogenesis of diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , 2015 , 48, 40-61	20.5	181

81	Role of macular xanthophylls in prevention of common neovascular retinopathies: retinopathy of prematurity and diabetic retinopathy. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 572, 40-48	4.1	29
80	Expression of leukemia inhibitory factor in Müller glia cells is regulated by a redox-dependent mRNA stability mechanism. <i>BMC Biology</i> , 2015 , 13, 30	7.3	7
79	GLP-1 Cleavage Product Reverses Persistent ROS Generation After Transient Hyperglycemia by Disrupting an ROS-Generating Feedback Loop. <i>Diabetes</i> , 2015 , 64, 3273-84	0.9	62
78	Effects of antioxidant gene therapy on the development of diabetic retinopathy and the metabolic memory phenomenon. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 249-59	3.8	21
77	Complications of Diabetes Mellitus. 2016 , 1484-1581		11
76	Oxidative Stress Biomarkers for Diabetic Retinopathy and Medical Management Affecting Oxidative Stress. 2016 ,		
75	Clinical biomarkers and molecular basis for optimized treatment of diabetic retinopathy: current status and future prospects. <i>Eye and Brain</i> , 2016 , 8, 1-13	5.7	10
74	The Protective Effect of Antioxidants Consumption on Diabetes and Vascular Complications. <i>Diseases (Basel, Switzerland)</i> , 2016 , 4,	4.4	40
73	Mitochondrial generation of superoxide and hydrogen peroxide as the source of mitochondrial redox signaling. <i>Free Radical Biology and Medicine</i> , 2016 , 100, 14-31	7.8	510
72	Mitochondrial Cyclophilin D in Vascular Oxidative Stress and Hypertension. <i>Hypertension</i> , 2016 , 67, 1218-23	2.7	49
71	Manganese Superoxide Dismutase (MnSOD) and Its Importance in Mitochondrial Function and Cancer. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016 , 11-50		
70	The mitochondria-targeted antioxidant MitoQ modulates oxidative stress, inflammation and leukocyte-endothelium interactions in leukocytes isolated from type 2 diabetic patients. <i>Redox Biology</i> , 2016 , 10, 200-205	11.3	59
69	Manganese superoxide dismutase, glutathione peroxidase and catalase gene polymorphisms and clinical outcomes in acute kidney injury. <i>Renal Failure</i> , 2016 , 38, 372-7	2.9	6
68	The role of pharmacogenetics and advances in gene therapy in the treatment of diabetic retinopathy. <i>Pharmacogenomics</i> , 2016 , 17, 309-20	2.6	9
67	Alu RNA accumulation in hyperglycemia augments oxidative stress and impairs eNOS and SOD2 expression in endothelial cells. <i>Molecular and Cellular Endocrinology</i> , 2016 , 426, 91-100	4.4	17
66	Paradoxical Roles of Antioxidant Enzymes: Basic Mechanisms and Health Implications. <i>Physiological Reviews</i> , 2016 , 96, 307-64	47.9	196
65	Fatty acid induced metabolic memory involves alterations in renal histone H3K36me2 and H3K27me3. <i>Molecular and Cellular Endocrinology</i> , 2016 , 422, 233-242	4.4	23
64	Consumption of polyphenol-rich <i>Morus alba</i> leaves extract attenuates early diabetic retinopathy: the underlying mechanism. <i>European Journal of Nutrition</i> , 2017 , 56, 1671-1684	5.2	31

63	Persimmon Leaves (<i>Diospyros kaki</i>) Extract Protects Optic Nerve Crush-Induced Retinal Degeneration. <i>Scientific Reports</i> , 2017 , 7, 46449	4.9	12
62	Natural Antioxidants From Algae: A Therapeutic Perspective. 2017 , 91-120		6
61	DNA damage-dependent mechanisms of ageing and disease in the macro- and microvasculature. <i>European Journal of Pharmacology</i> , 2017 , 816, 116-128	5.3	16
60	Lead induces apoptosis in mouse TM3 Leydig cells through the Fas/FasL death receptor pathway. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 56, 99-105	5.8	24
59	Ischemic Retinopathies: Oxidative Stress and Inflammation. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 3940241	6.7	71
58	Oxidative Stress-Related Mechanisms and Antioxidant Therapy in Diabetic Retinopathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9702820	6.7	76
57	Diabetic retinopathy: reversibility of epigenetic modifications and new therapeutic targets. <i>Cell and Bioscience</i> , 2017 , 7, 42	9.8	20
56	Association of the GSTM1 and GSTT1 Genes with Diabetic Retinopathy in the Korean Population. <i>Journal of Korean Ophthalmological Society</i> , 2017 , 58, 313	0.2	0
55	Alterations in System x Expression in the Retina of Type 1 Diabetic Rats and the Role of Nrf2. <i>Molecular Neurobiology</i> , 2018 , 55, 7941-7948	6.2	13
54	Serum Romo1 is significantly associated with disease severity in patients with obstructive sleep apnea syndrome. <i>Sleep and Breathing</i> , 2018 , 22, 743-748	3.1	7
53	Depressed mitochondrial function and electron transport Complex II-mediated HO production in the cortex of type 1 diabetic rodents. <i>Molecular and Cellular Neurosciences</i> , 2018 , 90, 49-59	4.8	11
52	Clinical variables and ethnicity may influenced by polymorphism of CAT -262C/T and MnSOD 47C/T antioxidant enzymes in Algerian type1 diabetes without complications. <i>Gene</i> , 2018 , 670, 182-192	3.8	5
51	The Essential Element Manganese, Oxidative Stress, and Metabolic Diseases: Links and Interactions. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 7580707	6.7	133
50	Overexpression of calcitonin gene-related peptide protects mouse cerebral microvascular endothelial cells from high-glucose-induced damage via ERK/HIF-1/VEGF signaling. <i>Journal of Physiological Sciences</i> , 2019 , 69, 939-952	2.3	7
49	REDD1 Activates a ROS-Generating Feedback Loop in the Retina of Diabetic Mice. 2019 , 60, 2369-2379		15
48	Increased Serum Romo1 Was Correlated with Lung Function, Inflammation, and Oxidative Stress in Chronic Obstructive Pulmonary Disease. <i>Inflammation</i> , 2019 , 42, 1555-1560	5.1	4
47	-GlcNAcylation alters the selection of mRNAs for translation and promotes 4E-BP1-dependent mitochondrial dysfunction in the retina. <i>Journal of Biological Chemistry</i> , 2019 , 294, 5508-5520	5.4	12
46	The effect of cassia seed extract on the regulation of the LKB1-AMPK-GLUT4 signaling pathway in the skeletal muscle of diabetic rats to improve the insulin sensitivity of the skeletal muscle. <i>Diabetology and Metabolic Syndrome</i> , 2019 , 11, 108	5.6	4

45	Epigenetic and Metabolism: Glucose and Homeotic Transcription Factor PREP1 VRP Suggested Epigenetics and Metabolism. 2019 , 761-776		
44	An in vitro protocol to study the effect of hyperglycemia on intracellular redox signaling in human retinal pigment epithelial (ARPE-19) cells. <i>Molecular Biology Reports</i> , 2019 , 46, 1263-1274	2.8	5
43	Role of histone modification and DNA methylation in signaling pathways involved in diabetic retinopathy. <i>Journal of Cellular Physiology</i> , 2019 , 234, 7839-7846	7	15
42	DNA Methylation-a Potential Source of Mitochondria DNA Base Mismatch in the Development of Diabetic Retinopathy. <i>Molecular Neurobiology</i> , 2019 , 56, 88-101	6.2	33
41	Eustress, distress, and oxidative stress: Promising pathways for mind-body medicine. 2020 , 583-617		3
40	Manganese as the essential element in oxidative stress and metabolic diseases. 2020 , 81-105		1
39	Riding the tiger - physiological and pathological effects of superoxide and hydrogen peroxide generated in the mitochondrial matrix. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2020 , 55, 592-661	8.7	20
38	Angiotensin-(1-7) Attenuates Protein O-GlcNAcylation in the Retina by EPAC/Rap1-Dependent Inhibition of O-GlcNAc Transferase. 2020 , 61, 24		9
37	Sperm Proteomics Analysis of Diabetic Induced Male Rats as Influenced by Ficus carica Leaf Extract. <i>Processes</i> , 2020 , 8, 395	2.9	6
36	O-GlcNAcylation and Diabetes. 2021 , 133-148		
35	Vitamin D3 ameliorates nitrogen mustard-induced cutaneous inflammation by inactivating the NLRP3 inflammasome through the SIRT3-SOD2-mtROS signaling pathway. <i>Clinical and Translational Medicine</i> , 2021 , 11, e312	5.7	4
34	Vitamin A and Daucus carota root extract mitigate STZ-induced diabetic retinal degeneration in Wistar albino rats by modulating neurotransmission and downregulation of apoptotic pathways. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13688	3.3	1
33	Mitochondria and Eye.		
32	Serum superoxide dismutase activity: a sensitive, convenient, and economical indicator associated with the prevalence of chronic type 2 diabetic complications, especially in men. <i>Free Radical Research</i> , 2021 , 55, 275-281	4	1
31	The Role of HIF1 β PFKFB3 Pathway in Diabetic Retinopathy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 2505-2519	5.6	4
30	Clozapine Worsens Glucose Intolerance, Nonalcoholic Fatty Liver Disease, Kidney Damage, and Retinal Injury and Increases Renal Reactive Oxygen Species Production and Chromium Loss in Obese Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
29	Inflammation in Metabolic and Cardiovascular Disorders-Role of Oxidative Stress. <i>Life</i> , 2021 , 11,	3	4
28	Imipramine Accelerates Nonalcoholic Fatty Liver Disease, Renal Impairment, Diabetic Retinopathy, Insulin Resistance, and Urinary Chromium Loss in Obese Mice. <i>Veterinary Sciences</i> , 2021 , 8,	2.4	0

27	Low hepatic manganese concentrations in patients with hepatic steatosis - A cohort study of copper, iron and manganese in liver biopsies. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 67, 126772	4.1	2
26	Capillary Dropout in Diabetic Retinopathy. 2008 , 265-282		5
25	Reversible retinal vessel closure from VEGF-induced leukocyte plugging. <i>JCI Insight</i> , 2017 , 2,	9.9	35
24	Progression of Diabetic Capillary Occlusion: A Model. <i>PLoS Computational Biology</i> , 2016 , 12, e1004932	5	20
23	Deletion of the Neurotrophin Receptor p75 Prevents Diabetes-Induced Retinal Acellular Capillaries in Streptozotocin-Induced Mouse Diabetic Model. <i>Journal of Diabetes, Metabolic Disorders & Control</i> , 2017 , 4,	0.5	5
22	5-aza-2Qdeoxycytidine in the regulation of antioxidant enzymes in retinal endothelial cells and rat diabetic retina. <i>International Journal of Ophthalmology</i> , 2019 , 12, 1-7	1.4	11
21	miR-223-3p reduces high glucose and high fat-induced endothelial cell injury in diabetic mice by regulating NLRP3 expression. <i>Experimental and Therapeutic Medicine</i> , 2020 , 20, 1514-1520	2.1	7
20	Modulation of SOD3 Levels Is Detrimental to Retinal Homeostasis. <i>Antioxidants</i> , 2021 , 10,	7.1	2
19	Oxidative Stress in Diabetic Retinopathy. 2008 , 217-242		
18	The Role of Mitochondrial Oxidative Stress in Retinal Dysfunction. 2012 , 203-239		1
17	Epigenetic and Metabolism: Glucose and Homeotic Transcription Factor PREP1 VRP Suggested Epigenetics and Metabolism. 2017 , 1-16		
16	Increased oxidative stress in diabetes regulates activation of a small molecular weight G-protein, H-Ras, in the retina. <i>Molecular Vision</i> , 2007 , 13, 602-10	2.3	25
15	Cannabidiol protects retinal neurons by preserving glutamine synthetase activity in diabetes. <i>Molecular Vision</i> , 2010 , 16, 1487-95	2.3	17
14	Expression changes in DNA repair enzymes and mitochondrial DNA damage in aging rat lens. <i>Molecular Vision</i> , 2010 , 16, 1754-63	2.3	21
13	Acute systemic 11-cis-retinal intervention improves abnormal outer retinal ion channel closure in diabetic mice. <i>Molecular Vision</i> , 2012 , 18, 372-6	2.3	23
12	Diabetes exacerbates retinal oxidative stress, inflammation, and microvascular degeneration in spontaneously hypertensive rats. <i>Molecular Vision</i> , 2012 , 18, 1457-66	2.3	18
11	Therapeutic implications of curcumin in the prevention of diabetic retinopathy via modulation of anti-oxidant activity and genetic pathways. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2013 , 5, 194-202	3.4	29
10	The Role of Mitochondrial DNA (mtDNA) in the Development of Diabetic Retinopathy (DR): A Systematic Review. <i>Medical Hypothesis, Discovery, and Innovation in Ophthalmology</i> , 2017 , 6, 30-38	1.4	3

9	Relevance of Peptide Homeostasis in Metabolic Retinal Degenerative Disorders: Curative Potential in Genetically Modified Mice.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 808315	5.6	
8	Analysis of Antioxidant Phytochemicals and Anti-Inflammatory Effect from L.f.. <i>Antioxidants</i> , 2022 , 11,	7.1	2
7	Research Progress of circRNAs in Inflammatory Mechanisms of Diabetic Retinopathy: An Emerging Star with Potential Therapeutic Targets.. <i>Current Eye Research</i> , 2021 , 1-14	2.9	
6	Advanced Glycation End Products in Diabetes. <i>Biomarkers in Disease</i> , 2022 , 1-25		
5	The Effects of Nicotinamide Adenine Dinucleotide Phosphate (NADPH) Oxidase and Erythropoietin, and Their Interactions in Angiogenesis: Implications in Retinopathy of Prematurity. <i>Cells</i> , 2022 , 11, 1951	7.9	1
4	Advanced Glycation End Products in Diabetes. 2023 , 171-194		0
3	The impact of oxidative stress-induced mitochondrial dysfunction on diabetic microvascular complications. 14,		1
2	Oxidative stress and epigenetics in ocular vascular aging: an updated review. 2023 , 29,		0
1	Radiation and Diabetic Retinopathy: A Dark Synergy. 2023 , 3, 120-159		0