Azza B El-Remessy

List of Publications by Year
in descending order

95 papers	5,921 citations	66234 42 h-index	85405 71 g-index
101 all docs	101 docs citations	101 times ranked	6610 citing authors

#	Article	IF	Citations
1	Lost in Translation: Neurotrophins Biology and Function in the Neurovascular Unit. Neuroscientist, 2023, 29, 694-714.	2.6	4
2	Modulation of Mesenchymal Stem Cells for Enhanced Therapeutic Utility in Ischemic Vascular Diseases. International Journal of Molecular Sciences, 2022, 23, 249.	1.8	13
3	Modulation of p75NTR on Mesenchymal Stem Cells Increases Their Vascular Protection in Retinal Ischemia-Reperfusion Mouse Model. International Journal of Molecular Sciences, 2021, 22, 829.	1.8	7
4	Thioredoxin interacting protein regulates age-associated neuroinflammation. Neurobiology of Disease, 2021, 156, 105399.	2.1	15
5	Thioredoxin interacting protein, a key molecular switch between oxidative stress and sterile inflammation in cellular response. World Journal of Diabetes, 2021, 12, 1979-1999.	1.3	9
6	Deletion of Thioredoxin-Interacting Protein (TXNIP) Abrogates High Fat Diet-Induced Retinal Leukostasis, Barrier Dysfunction and Microvascular Degeneration in a Mouse Obesity Model. International Journal of Molecular Sciences, 2020, 21, 3983.	1.8	9
7	Modulating Expression of Thioredoxin Interacting Protein (TXNIP) Prevents Secondary Damage and Preserves Visual Function in a Mouse Model of Ischemia/Reperfusion. International Journal of Molecular Sciences, 2019, 20, 3969.	1.8	12
8	Modulation of the p75 neurotrophin receptor using LM11A-31 prevents diabetes-induced retinal vascular permeability in mice via inhibition of inflammation and the RhoA kinase pathway. Diabetologia, 2019, 62, 1488-1500.	2.9	24
9	Deletion of Thioredoxin-interacting protein ameliorates high fat diet-induced non-alcoholic steatohepatitis through modulation of Toll-like receptor 2-NLRP3-inflammasome axis: Histological and immunohistochemical study. Acta Histochemica, 2018, 120, 242-254.	0.9	21
10	Inducible overexpression of endothelial proNGF as a mouse model to study microvascular dysfunction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 746-757.	1.8	10
11	High Glucose-Mediated Tyrosine Nitration of PI3-Kinase: A Molecular Switch of Survival and Apoptosis in Endothelial Cells. Antioxidants, 2018, 7, 47.	2.2	9
12	Deletion of p75NTR prevents vaso-obliteration and retinal neovascularization via activation of Trk- A receptor in ischemic retinopathy model. Scientific Reports, 2018, 8, 12490.	1.6	11
13	Implication of the neurotrophin receptor p75^{NTR}in vascular diseases: beyond the eye. Expert Review of Ophthalmology, 2017, 12, 149-158.	0.3	16
14	Deletion of TXNIP Mitigates High-Fat Diet-Impaired Angiogenesis and Prevents Inflammation in a Mouse Model of Critical Limb Ischemia. Antioxidants, 2017, 6, 47.	2.2	26
15	Obesity, metabolic syndrome and diabetic retinopathy: Beyond hyperglycemia. World Journal of Diabetes, 2017, 8, 317.	1.3	42
16	High fat diet dysregulates microRNA-17-5p and triggers retinal inflammation: Role of endoplasmic-reticulum-stress. World Journal of Diabetes, 2017, 8, 56.	1.3	31
17	Oxidative stress inactivates VEGF survival signaling in retinal endothelial cells via PI 3-kinase tyrosine nitration. Journal of Cell Science, 2016, 129, 3203-3203.	1.2	5
18	Nox4 contributes to the hypoxia-mediated regulation of actin cytoskeleton in cerebrovascular smooth muscle. Life Sciences, 2016, 163, 46-54.	2.0	10

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19	Reninâ€“angiotensin system as a potential therapeutic target in stroke and retinopathy: experimental and clinical evidence. Clinical Science, 2016, 130, 221-238.	1.8	38
20	Silencing p75NTR prevents proNGF-induced endothelial cell death and development of acellular capillaries in rat retina. Molecular Therapy - Methods and Clinical Development, 2015, 2, 15013.	1.8	34
21	Imbalance of the Nerve Growth Factor and Its Precursor: Implication in Diabetic Retinopathy. Journal of Clinical & Experimental Ophthalmology, 2015, 06, .	0.1	23
22	Imbalance of the Nerve Growth Factor and Its Precursor as a Potential Biomarker for Diabetic Retinopathy. BioMed Research International, 2015, 2015, 1-12.	0.9	46
23	MicroRNA-146b-3p Regulates Retinal Inflammation by Suppressing Adenosine Deaminase-2 in Diabetes. BioMed Research International, 2015, 2015, 1-8.	0.9	65
24	Candesartan stimulates reparative angiogenesis in ischemic retinopathy model: role of hemeoxygenase-1 (HO-1). Angiogenesis, 2015, 18, 137-150.	3.7	18
25	Molecular mechanisms of diabetic retinopathy: Potential therapeutic targets. Middle East African Journal of Ophthalmology, 2015, 22, 135.	0.5	62
26	Role of Inflammasome Activation in the Pathophysiology of Vascular Diseases of the Neurovascular Unit. Antioxidants and Redox Signaling, 2015, 22, 1188-1206.	2.5	66
27	Thioredoxin-Interacting Protein: a Novel Target for Neuroprotection in Experimental Thromboembolic Stroke in Mice. Molecular Neurobiology, 2015, 51, 766-778.	1.9	92
28	Vascular protective effects of Angiotensin Receptor Blockers: Beyond Blood pressure. Receptors & Clinical Investigation, 2015, 2, .	0.9	5
29	Systemic Effects of Ophthalmic Cyclopentolate on Body Weight in Neonatal Mice. Neonatology, 2014, 106, 37-41.	0.9	4
30	Nerve growth factor in diabetic retinopathy: beyond neurons. Expert Review of Ophthalmology, 2014, 9, 99-107.	0.3	48
31	Role of Matrix Metalloproteinase Activity in the Neurovascular Protective Effects of Angiotensin Antagonism. Stroke Research and Treatment, 2014, 2014, 1-9.	0.5	4
32	Thioredoxin-interacting protein is required for endothelial NLRP3 inflammasome activation and cell death in a rat model of high-fat diet. Diabetologia, 2014, 57, 413-423.	2.9	125
33	Candesartan Induces a Prolonged Proangiogenic Effect and Augments Endothelium-Mediated Neuroprotection after Oxygen and Glucose Deprivation: Role of Vascular Endothelial Growth Factors A and B. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 444-457.	1.3	27
34	Deletion of thioredoxinâ€interacting protein preserves retinal neuronal function by preventing inflammation and vascular injury. British Journal of Pharmacology, 2014, 171, 1299-1313.	2.7	46
35	Deletion of Thioredoxin Interacting Protein (TXNIP) Augments Hyperoxia-Induced Vaso-Obliteration in a Mouse Model of Oxygen Induced-Retinopathy. PLoS ONE, 2014, 9, e110388.	1.1	14
36	Potential roles of adenosine deaminase-2 in diabetic retinopathy. Biochemical and Biophysical Research Communications, 2013, 436, 355-361.	1.0	28

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37	Modulation of p75NTR prevents diabetes- and proNGF-induced retinal inflammation and bloodâ€“retina barrier breakdown in mice and rats. Diabetologia, 2013, 56, 2329-2339.	2.9	51
38	Pronerve Growth Factor Induces Angiogenesis via Activation of TrkA: Possible Role in Proliferative Diabetic Retinopathy. Journal of Diabetes Research, 2013, 2013, 1-10.	1.0	17
39	Angiogenesis inhibitors in cancer therapy: mechanistic perspective on classification and treatment rationales. British Journal of Pharmacology, 2013, 170, 712-729.	2.7	202
40	Thioredoxin-Interacting Protein Expression Is Required for VEGF-Mediated Angiogenic Signal in Endothelial Cells. Antioxidants and Redox Signaling, 2013, 19, 2199-2212.	2.5	43
41	Alterations of Retinal Vasculature in Cystathionine-Beta-Synthase Mutant Mice, a Model of Hyperhomocysteinemia. , 2013, 54, 939.		35
42	Peroxynitrite Mediates Testosterone-Induced Vasodilation of Microvascular Resistance Vessels. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 7-14.	1.3	20
43	Diabetes-Induced Superoxide Anion and Breakdown of the Blood-Retinal Barrier: Role of the VEGF/uPAR Pathway. PLoS ONE, 2013, 8, e71868.	1.1	25
44	Diabetes and Overexpression of proNGF Cause Retinal Neurodegeneration via Activation of RhoA Pathway. PLoS ONE, 2013, 8, e54692.	1.1	37
45	Oxidative stress contributes to sex differences in angiotensin II-mediated hypertension in spontaneously hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R274-R282.	0.9	64
46	Enhanced Cerebral but Not Peripheral Angiogenesis in the Goto-Kakizaki Model of Type 2 Diabetes Involves VEGF and Peroxynitrite Signaling. Diabetes, 2012, 61, 1533-1542.	0.3	91
47	Na+/H+-exchanger-1 inhibition counteracts diabetic cataract formation and retinal oxidative-nitrative stress and apoptosis. International Journal of Molecular Medicine, 2012, 29, 989-98.	1.8	13
48	S-Glutathionylation of LMW-PTP regulates VEGF-mediated FAK activation and endothelial cell migration. Journal of Cell Science, 2012, 125, 4751-60.	1.2	57
49	Na + /H + â€exchangerâ€1 inhibition delays diabetic cataract formation and prevents retinal apoptosis and oxidative stress. FASEB Journal, 2012, 26, 686.19.	0.2	0
50	Diabetes exacerbates retinal oxidative stress, inflammation, and microvascular degeneration in spontaneously hypertensive rats. Molecular Vision, 2012, 18, 1457-66.	1.1	21
51	Electroporation-mediated gene delivery of cleavage-resistant pro-nerve growth factor causes retinal neuro- and vascular degeneration. Molecular Vision, 2012, 18, 2993-3003.	1.1	18
52	Statins for prevention of diabetic-related blindness: a new treatment option?. Expert Review of Ophthalmology, 2011, 6, 269-272.	0.3	9
53	Thioredoxin interacting protein is a novel mediator of retinal inflammation and neurotoxicity. British Journal of Pharmacology, 2011, 164, 170-180.	2.7	91
54	Diabetes-induced peroxynitrite impairs the balance of pro-nerve growth factor and nerve growth factor, and causes neurovascular injury. Diabetologia, 2011, 54, 657-668.	2.9	111

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55	Epicatechin blocks pro-nerve growth factor (proNGF)-mediated retinal neurodegeneration via inhibition of p75 neurotrophin receptor proNGF expression in a rat model of diabetes. Diabetologia, 2011, 54, 669-680.	2.9	67
56	Cannabinoid 1 receptor activation contributes to vascular inflammation and cell death in a mouse model of diabetic retinopathy and a human retinal cell line. Diabetologia, 2011, 54, 1567-1578.	2.9	66
57	Acute Treatment with Candesartan Reduces Early Injury After Permanent Middle Cerebral Artery Occlusion. Translational Stroke Research, 2011, 2, 179-185.	2.3	30
58	Angiotensin receptor blockers and angiogenesis: clinical and experimental evidence. Clinical Science, 2011, 120, 307-319.	1.8	58
59	Retinal Microglial Activation and Inflammation Induced by Amadori-Glycated Albumin in a Rat Model of Diabetes. Diabetes, 2011, 60, 1122-1133.	0.3	162
60	Vascular Protection by Angiotensin Receptor Antagonism Involves Differential VEGF Expression in Both Hemispheres after Experimental Stroke. PLoS ONE, 2011, 6, e24551.	1.1	42
61	Alteration of growth factors and neuronal death in diabetic retinopathy: what we have learned so far. Molecular Vision, 2011, 17, 300-8.	1.1	63
62	Evaluation of the aldose reductase inhibitor fidarestat on ischemia-reperfusion injury in rat retina. International Journal of Molecular Medicine, 2010, 26, 135-42.	1.8	9
63	Diverse Effects of Statins on Angiogenesis: New Therapeutic Avenues. Pharmacotherapy, 2010, 30, 169-176.	1.2	53
64	Early Intervention of Tyrosine Nitration Prevents Vaso-Obliteration and Neovascularization in Ischemic Retinopathy. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 125-134.	1.3	65
65	Adaptive Cerebral Neovascularization in a Model of Type 2 Diabetes. Diabetes, 2010, 59, 228-235.	0.3	113
66	Peroxynitrite Mediates Diabetes-Induced Endothelial Dysfunction: Possible Role of Rho Kinase Activation. Experimental Diabetes Research, 2010, 2010, 1-9.	3.8	69
67	Neurovascular Protective Effect of FeTPPs in N-Methyl-D-Aspartate Model. American Journal of Pathology, 2010, 177, 1187-1197.	1.9	41
68	Poly(ADP-Ribose)Polymerase Inhibition Counteracts Cataract Formation and Early Retinal Changes in Streptozotocin-Diabetic Rats. , 2009, 50, 1778.		60
69	HMG-CoA Reductase Inhibitors (Statin) Prevents Retinal Neovascularization in a Model of Oxygen-Induced Retinopathy. , 2009, 50, 4934.		49
70	Early Atorvastatin Reduces Hemorrhage after Acute Cerebral Ischemia in Diabetic Rats. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 532-540.	1.3	44
71	Candesartan Augments Ischemia-Induced Proangiogenic State and Results in Sustained Improvement After Stroke. Stroke, 2009, 40, 1870-1876.	1.0	54
72	Minocycline and Tissue-Type Plasminogen Activator for Stroke. Stroke, 2009, 40, 3028-3033.	1.0	100

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73	Diabetic Retinopathy: Current Management and Experimental Therapeutic Targets. Pharmacotherapy, 2009, 29, 182-192.	1.2	47
74	Effects of chromium picolinate on glycemic control and kidney of the obese Zucker rat. Nutrition and Metabolism, 2009, 6, 51.	1.3	22
75	Diabetes-induced Coronary Vascular Dysfunction Involves Increased Arginase Activity. Circulation Research, 2008, 102, 95-102.	2.0	327
76	Peroxynitrite Mediates Retinal Neurodegeneration by Inhibiting Nerve Growth Factor Survival Signaling in Experimental and Human Diabetes. Diabetes, 2008, 57, 889-898.	0.3	148
77	Role of NADPH Oxidase in Retinal Vascular Inflammation. , 2008, 49, 3239.		184
78	Aldose reductase inhibitor fidarestat counteracts diabetes-associated cataract formation, retinal oxidative-nitrosative stress, glial activation, and apoptosis. International Journal of Molecular Medicine, 2008, , .	1.8	19
79	Role of NADPH Oxidase and Stat3 in Statin-Mediated Protection against Diabetic Retinopathy. , 2008, 49, 3231.		152
80	Oxidative Stress in Diabetic Retinopathy. , 2008, , 217-242.		2
81	Aldose reductase inhibitor fidarestat counteracts diabetes-associated cataract formation, retinal oxidative-nitrosative stress, glial activation, and apoptosis. International Journal of Molecular Medicine, 2008, 21, 667-76.	1.8	61
82	Peroxynitrite mediates VEGF's angiogenic signal and function via a nitrationâ€independent mechanism in endothelial cells. FASEB Journal, 2007, 21, 2528-2539.	0.2	74
83	Neuroprotective and Blood-Retinal Barrier-Preserving Effects of Cannabidiol in Experimental Diabetes. American Journal of Pathology, 2006, 168, 235-244.	1.9	235
84	Simvastatin Improves Diabetes-Induced Coronary Endothelial Dysfunction. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 386-395.	1.3	59
85	Simvastatin Improves Diabetesâ€Induced Coronary Endothelial Dysfunction Through Superoxide Reduction. FASEB Journal, 2006, 20, A1110.	0.2	0
86	Peroxynitrite increases VEGF expression in vascular endothelial cells via STAT3. Free Radical Biology and Medicine, 2005, 39, 1353-1361.	1.3	61
87	Vascular Endothelial Growth Factor and Diabetic Retinopathy: Role of Oxidative Stress. Current Drug Targets, 2005, 6, 511-524.	1.0	212
88	Oxidative stress inactivates VEGF survival signaling in retinal endothelial cells via PI 3-kinase tyrosine nitration. Journal of Cell Science, 2005, 118, 243-252.	1.2	136
89	Inhibition of NAD(P)H Oxidase Activity Blocks Vascular Endothelial Growth Factor Overexpression and Neovascularization during Ischemic Retinopathy. American Journal of Pathology, 2005, 167, 599-607.	1.9	177
90	Roles of Superoxide, Peroxynitrite, and Protein Kinase C in the Development of Tolerance to Nitroglycerin. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 289-299.	1.3	53

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91	Vascular endothelial growth factor and diabetic retinopathy: pathophysiological mechanisms and treatment perspectives. Diabetes/Metabolism Research and Reviews, 2003, 19, 442-455.	1.7	253
92	Neuroprotective Effect of(â˘’)Î”9-Tetrahydrocannabinol and Cannabidiol in N-Methyl-d-Aspartate-Induced Retinal Neurotoxicity. American Journal of Pathology, 2003, 163, 1997-2008.	1.9	197
93	Experimental Diabetes Causes Breakdown of the Blood-Retina Barrier by a Mechanism Involving Tyrosine Nitration and Increases in Expression of Vascular Endothelial Growth Factor and Urokinase Plasminogen Activator Receptor. American Journal of Pathology, 2003, 162, 1995-2004.	1.9	187
94	High Glucose-Induced Tyrosine Nitration in Endothelial Cells: Role of eNOS Uncoupling and Aldose Reductase Activation. , 2003, 44, 3135.		135
95	Hyperoxia induces retinal vascular endothelial cell apoptosis through formation of peroxynitrite. American Journal of Physiology - Cell Physiology, 2003, 285, C546-C554.	2.1	104