

Renu Agarwal

List of Publications by Year in Descending Order

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

71
papers

1,169
citations

19
h-index

32
g-index

73
ext. papers

1,341
ext. citations

3.4
avg, IF

4.57
L-index

#	Paper	IF	Citations
71	Intravitreal Resveratrol Injection Ameliorates NMDA-Induced Optic Nerve and Retinal Injury.. <i>Current Eye Research</i> , 2022 , 1-11	2.9	0
70	Effect of trans-resveratrol on glutamate clearance and visual behaviour in rats with glutamate induced retinal injury.. <i>Experimental Eye Research</i> , 2022 , 109104	3.7	0
69	Neuroprotection Against NMDA-Induced Retinal Damage by Philanthotoxin-343 Involves Reduced Nitrosative Stress.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 798794	5.6	2
68	Tackling retinal ganglion cell apoptosis in glaucoma: role of adenosine receptors. <i>Expert Opinion on Therapeutic Targets</i> , 2021 , 25, 585-596	6.4	1
67	Magnesium acetyltaurate prevents retinal damage and visual impairment in rats through suppression of NMDA-induced upregulation of NF- κ B, p53 and AP-1 (c-Jun/c-Fos). <i>Neural Regeneration Research</i> , 2021 , 16, 2330-2344	4.5	4
66	New solutions for old challenges in glaucoma treatment: is taurine an option to consider?. <i>Neural Regeneration Research</i> , 2021 , 16, 967-971	4.5	1
65	Glutathione (GSH) improves sperm quality and testicular morphology in streptozotocin-induced diabetic mice. <i>Asian Journal of Andrology</i> , 2021 , 23, 281-287	2.8	3
64	Modulation of NFB signalling pathway by tocotrienol: A systematic review. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2021 , 30, 537-555	1	
63	Targeting the BDNF/TrkB pathway for the treatment of amyloid beta 1-40-induced neurodegeneration: Focus on ocular manifestations of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037073	1.2	
62	Magnesium acetyltaurate protects against endothelin-1 induced RGC loss by reducing neuroinflammation in Sprague dawley rats. <i>Experimental Eye Research</i> , 2020 , 194, 107996	3.7	8
61	Neuroprotection by -resveratrol against collagenase-induced neurological and neurobehavioural deficits in rats involves adenosine A1 receptors. <i>Neurological Research</i> , 2020 , 42, 189-208	2.7	9
60	Effect of dexamethasone on the expression of MMPs, adenosine A1 receptors and NF κ B by human trabecular meshwork cells. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020 , 31,	1.6	3
59	Neuroprotective effects of brain-derived neurotrophic factor against amyloid beta 1-40-induced retinal and optic nerve damage. <i>European Journal of Neuroscience</i> , 2020 , 51, 2394-2411	3.5	9
58	Effect of trans-resveratrol on dexamethasone-induced changes in the expression of MMPs by human trabecular meshwork cells: Involvement of adenosine A receptors and NF κ B. <i>European Journal of Pharmacology</i> , 2020 , 887, 173431	5.3	2
57	Philanthotoxin-343 attenuates retinal and optic nerve injury, and protects visual function in rats with N-methyl-D-aspartate-induced excitotoxicity. <i>PLoS ONE</i> , 2020 , 15, e0236450	3.7	2
56	Protective Effect of Palm Oil-Derived Tocotrienol-Rich Fraction Against Retinal Neurodegenerative Changes in Rats with Streptozotocin-Induced Diabetic Retinopathy. <i>Biomolecules</i> , 2020 , 10,	5.9	5
55	Dose-dependent effects of NMDA on retinal and optic nerve morphology in rats. <i>International Journal of Ophthalmology</i> , 2019 , 12, 746-753	1.4	11

54	Intraocular pressure-lowering effects of imidazo[1,2-a]- and pyrimido[1,2-a]benzimidazole compounds in rats with dexamethasone-induced ocular hypertension. <i>European Journal of Pharmacology</i> , 2019 , 850, 75-87	5.3	4
53	Dose-Dependent Effects of Endothelin-1 on Retinal and Optic Nerve Morphology in Sprague Dawley Rats. <i>Neurochemical Journal</i> , 2019 , 13, 73-80	0.5	1
52	Blood pressure lowering effect of Ficus deltoidea var kunstleri in spontaneously hypertensive rats: possible involvement of renin-angiotensin-aldosterone system, endothelial function and anti-oxidant system. <i>Molecular Biology Reports</i> , 2019 , 46, 2841-2849	2.8	5
51	Taurine protects against NMDA-induced retinal damage by reducing retinal oxidative stress. <i>Amino Acids</i> , 2019 , 51, 641-646	3.5	8
50	Antiapoptotic effect of taurine against NMDA-induced retinal excitotoxicity in rats. <i>NeuroToxicology</i> , 2019 , 70, 62-71	4.4	17
49	Relationship between intraocular pressure lowering effect and chemical structure of imidazo[1,2-a]benzimidazole and pyrimido[1,2-a]benzimidazole derivatives. <i>Data in Brief</i> , 2018 , 18, 340-347	1.2	2
48	Ocular Permeation of Topical Tazocin and Its Effectiveness in the Treatment of Pseudomonas aeruginosa Induced Keratitis in Rabbits. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018 , 34, 214-223	2.6	1
47	Intraocular pressure lowering effect and structure-activity relationship of imidazo[1,2-a]benzimidazole and pyrimido[1,2-a]benzimidazole compounds in ocular normotensive rats: Insight on possible link with hypotensive activity. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 114, 245-254	5.1	7
46	Effect of Magnesium Acetyltaurate and Taurine on Endothelin1-Induced Retinal Nitrosative Stress in Rats. <i>Current Eye Research</i> , 2018 , 43, 1032-1040	2.9	8
45	Time- and dose-related effects of amyloid beta1-40 on retina and optic nerve morphology in rats. <i>International Journal of Neuroscience</i> , 2018 , 128, 952-965	2	8
44	Trabecular meshwork ECM remodeling in glaucoma: could RAS be a target?. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 629-638	6.4	13
43	Protective effect of magnesium acetyltaurate and taurine against NMDA-induced retinal damage involves reduced nitrosative stress. <i>Molecular Vision</i> , 2018 , 24, 495-508	2.3	11
42	Magnesium acetyltaurate as a potential agent for retinal and optic nerve protection in glaucoma. <i>Neural Regeneration Research</i> , 2018 , 13, 807-808	4.5	4
41	Taurine protects against retinal and optic nerve damage induced by endothelin-1 in rats antioxidant effects. <i>Neural Regeneration Research</i> , 2018 , 13, 2014-2021	4.5	11
40	INTRAOCCULAR PRESSURE LOWERING EFFECT OF IMIDAZO[1, 2-a] BENZIMIDAZOLE AND PYRIMIDO[1, 2-a]BENZIMIDAZOLE COMPOUNDS IN OCULAR NORMOTENSIVE AND HYPERTENSIVE RATS. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO1-13-24	0	
39	Role of renin-angiotensin system inhibitors in attenuation of dexamethasone-induced ECM remodeling in human trabecular meshwork cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO2-9-15	0	
38	IOP lowering effect of topical trans-resveratrol involves adenosine receptors and TGF- β signaling pathways. <i>European Journal of Pharmacology</i> , 2018 , 838, 1-10	5.3	14
37	Data on the effects of imidazo[1,2-a]benzimidazole and pyrimido[1,2-a]benzimidazole compounds on intraocular pressure of ocular normotensive rats. <i>Data in Brief</i> , 2018 , 18, 523-554	1.2	2

36	Rodent models of glaucoma and their applicability for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017 , 12, 261-270	6.2	24
35	Reduction of oxidative-nitrosative stress underlies anticataract effect of topically applied tocotrienol in streptozotocin-induced diabetic rats. <i>PLoS ONE</i> , 2017 , 12, e0174542	3.7	15
34	Targeting extracellular matrix remodeling in disease: Could resveratrol be a potential candidate?. <i>Experimental Biology and Medicine</i> , 2017 , 242, 374-383	3.7	12
33	Neuroprotective Effect of Magnesium Acetyltaurate Against NMDA-Induced Excitotoxicity in Rat Retina. <i>Neurotoxicity Research</i> , 2017 , 31, 31-45	4.3	40
32	Protective effect of magnesium acetyltaurate against NMDA-induced retinal damage involves restoration of minerals and trace elements homeostasis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 39, 147-154	4.1	17
31	Intraocular distribution of topically applied hydrophilic and lipophilic substances in rat eyes. <i>Drug Delivery</i> , 2016 , 23, 2765-2771	7	10
30	Liposomes in topical ophthalmic drug delivery: an update. <i>Drug Delivery</i> , 2016 , 23, 1075-91	7	87
29	Topical trans-resveratrol ameliorates steroid-induced anterior and posterior segment changes in rats. <i>Experimental Eye Research</i> , 2016 , 143, 9-16	3.7	26
28	Zingiber officinale attenuates retinal microvascular changes in diabetic rats via anti-inflammatory and antiangiogenic mechanisms. <i>Molecular Vision</i> , 2016 , 22, 599-609	2.3	24
27	Mechanism of the anticataract effect of liposomal MgT in galactose-fed rats. <i>Molecular Vision</i> , 2016 , 22, 734-47	2.3	7
26	Protective effect of magnesium acetyltaurate against endothelin-induced retinal and optic nerve injury. <i>Neuroscience</i> , 2016 , 325, 153-64	3.9	25
25	Steroidal and Nonsteroidal Anti-inflammatory Agents for Ocular Use 2016 , 229-244		
24	Early effect of hydroxychloroquine therapy: relationship between cumulative dose and retinal thickness. <i>Cutaneous and Ocular Toxicology</i> , 2015 , 34, 179-84	1.8	3
23	Role of adenosine receptors in resveratrol-induced intraocular pressure lowering in rats with steroid-induced ocular hypertension. <i>Clinical and Experimental Ophthalmology</i> , 2015 , 43, 54-66	2.4	31
22	Anterior and posterior segment changes in rat eyes with chronic steroid administration and their responsiveness to antiglaucoma drugs. <i>European Journal of Pharmacology</i> , 2015 , 749, 73-80	5.3	21
21	Aqueous humor TGF- β levels in patients with open-angle glaucoma: A meta-analysis. <i>Molecular Vision</i> , 2015 , 21, 612-20	2.3	46
20	Mechanisms of angiotensin converting enzyme inhibitor-induced IOP reduction in normotensive rats. <i>European Journal of Pharmacology</i> , 2014 , 730, 8-13	5.3	14
19	Newer targets for modulation of intraocular pressure: focus on adenosine receptor signaling pathways. <i>Expert Opinion on Therapeutic Targets</i> , 2014 , 18, 527-39	6.4	16

18	Effects of topically applied tocotrienol on cataractogenesis and lens redox status in galactosemic rats. <i>Molecular Vision</i> , 2014 , 20, 822-35	2.3	16
17	Pathogenetic role of magnesium deficiency in ophthalmic diseases. <i>BioMetals</i> , 2013 , 27, 5	3.4	32
16	Effects of magnesium taurate on the onset and progression of galactose-induced experimental cataract: in vivo and in vitro evaluation. <i>Experimental Eye Research</i> , 2013 , 110, 35-43	3.7	23
15	Ocular Tissue Distribution of Topically Applied PEGylated and Non-PEGylated Liposomes. <i>Advanced Materials Research</i> , 2013 , 832, 1-8	0.5	3
14	Mechanisms of cataractogenesis in the presence of magnesium deficiency. <i>Magnesium Research</i> , 2013 , 26, 2-8	1.7	19
13	Knowledge, practices and attitudes towards adverse drug reaction reporting by private practitioners from klang valley in malaysia. <i>The Malaysian Journal of Medical Sciences</i> , 2013 , 20, 52-61	1.3	18
12	Magnesium deficiency: does it have a role to play in cataractogenesis?. <i>Experimental Eye Research</i> , 2012 , 101, 82-9	3.7	18
11	Glaucomatous neurodegeneration: an eye on tumor necrosis factor-alpha. <i>Indian Journal of Ophthalmology</i> , 2012 , 60, 255-61	1.6	30
10	Curcumin prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2011 , 27, 123-30	2.6	133
9	Future target molecules in antiglaucoma therapy: tgf-Beta may have a role to play. <i>Ophthalmic Research</i> , 2010 , 43, 1-10	2.9	23
8	Intraocular pressure-lowering activity of topical application of Aegle marmelos fruit extract in experimental animal models. <i>Ophthalmic Research</i> , 2009 , 42, 112-6	2.9	12
7	Current concepts in the pathophysiology of glaucoma. <i>Indian Journal of Ophthalmology</i> , 2009 , 57, 257-66	1.6	126
6	Therapeutic potential of Curcuma longa, the golden spice of India, in drug discovery for ophthalmic diseases. <i>Expert Opinion on Drug Discovery</i> , 2009 , 4, 147-58	6.2	4
5	The anti-inflammatory effects of Curcuma longa and Berberis aristata in endotoxin-induced uveitis in rabbits 2008 , 49, 4036-40		53
4	Oculohypotensive effects of foeniculum vulgare in experimental models of glaucoma. <i>Indian Journal of Physiology and Pharmacology</i> , 2008 , 52, 77-83		26
3	Therapeutic potential of green tea: a new horizon in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2007 , 2, 349-59	6.2	1
2	Comparative efficacy of pilocarpine, timolol and latanoprost in experimental models of glaucoma. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , 2007 , 29, 665-71		35
1	Estimation of intraocular pressure in rabbits using noncontact tonometer: a comparative evaluation with Schiötz tonometer. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , 2007 , 29, 405-9		3

