

# Renu Agarwal

## List of Publications by Citations

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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	Curcumin prevents experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant, and anti-inflammatory mechanisms. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2011</b> , 27, 123-30	2.6	133
70	Current concepts in the pathophysiology of glaucoma. <i>Indian Journal of Ophthalmology</i> , <b>2009</b> , 57, 257-66	6.6	126
69	Liposomes in topical ophthalmic drug delivery: an update. <i>Drug Delivery</i> , <b>2016</b> , 23, 1075-91	7	87
68	The anti-inflammatory effects of Curcuma longa and Berberis aristata in endotoxin-induced uveitis in rabbits <b>2008</b> , 49, 4036-40		53
67	Aqueous humor TGF- $\beta$ levels in patients with open-angle glaucoma: A meta-analysis. <i>Molecular Vision</i> , <b>2015</b> , 21, 612-20	2.3	46
66	Neuroprotective Effect of Magnesium Acetyltaurate Against NMDA-Induced Excitotoxicity in Rat Retina. <i>Neurotoxicity Research</i> , <b>2017</b> , 31, 31-45	4.3	40
65	Comparative efficacy of pilocarpine, timolol and latanoprost in experimental models of glaucoma. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , <b>2007</b> , 29, 665-71		35
64	Pathogenetic role of magnesium deficiency in ophthalmic diseases. <i>BioMetals</i> , <b>2013</b> , 27, 5	3.4	32
63	Role of adenosine receptors in resveratrol-induced intraocular pressure lowering in rats with steroid-induced ocular hypertension. <i>Clinical and Experimental Ophthalmology</i> , <b>2015</b> , 43, 54-66	2.4	31
62	Glaucomatous neurodegeneration: an eye on tumor necrosis factor- $\alpha$ . <i>Indian Journal of Ophthalmology</i> , <b>2012</b> , 60, 255-61	1.6	30
61	Topical trans-resveratrol ameliorates steroid-induced anterior and posterior segment changes in rats. <i>Experimental Eye Research</i> , <b>2016</b> , 143, 9-16	3.7	26
60	Oculohypotensive effects of foeniculum vulgare in experimental models of glaucoma. <i>Indian Journal of Physiology and Pharmacology</i> , <b>2008</b> , 52, 77-83		26
59	Protective effect of magnesium acetyltaurate against endothelin-induced retinal and optic nerve injury. <i>Neuroscience</i> , <b>2016</b> , 325, 153-64	3.9	25
58	Rodent models of glaucoma and their applicability for drug discovery. <i>Expert Opinion on Drug Discovery</i> , <b>2017</b> , 12, 261-270	6.2	24
57	Zingiber officinale attenuates retinal microvascular changes in diabetic rats via anti-inflammatory and antiangiogenic mechanisms. <i>Molecular Vision</i> , <b>2016</b> , 22, 599-609	2.3	24
56	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> , <b>2013</b> , 110, 35-43	3.7	23
55	Future target molecules in antiglaucoma therapy: tgf-Beta may have a role to play. <i>Ophthalmic Research</i> , <b>2010</b> , 43, 1-10	2.9	23

54	Anterior and posterior segment changes in rat eyes with chronic steroid administration and their responsiveness to antiglaucoma drugs. <i>European Journal of Pharmacology</i> , <b>2015</b> , 749, 73-80	5.3	21
53	Mechanisms of cataractogenesis in the presence of magnesium deficiency. <i>Magnesium Research</i> , <b>2013</b> , 26, 2-8	1.7	19
52	Magnesium deficiency: does it have a role to play in cataractogenesis?. <i>Experimental Eye Research</i> , <b>2012</b> , 101, 82-9	3.7	18
51	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> , <b>2013</b> , 20, 52-61	1.3	18
50	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> , <b>2017</b> , 39, 147-154	4.1	17
49	Antiapoptotic effect of taurine against NMDA-induced retinal excitotoxicity in rats. <i>NeuroToxicology</i> , <b>2019</b> , 70, 62-71	4.4	17
48	Newer targets for modulation of intraocular pressure: focus on adenosine receptor signaling pathways. <i>Expert Opinion on Therapeutic Targets</i> , <b>2014</b> , 18, 527-39	6.4	16
47	Effects of topically applied tocotrienol on cataractogenesis and lens redox status in galactosemic rats. <i>Molecular Vision</i> , <b>2014</b> , 20, 822-35	2.3	16
46	Reduction of oxidative-nitrosative stress underlies anticataract effect of topically applied tocotrienol in streptozotocin-induced diabetic rats. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174542	3.7	15
45	Mechanisms of angiotensin converting enzyme inhibitor-induced IOP reduction in normotensive rats. <i>European Journal of Pharmacology</i> , <b>2014</b> , 730, 8-13	5.3	14
44	IOP lowering effect of topical trans-resveratrol involves adenosine receptors and TGF- $\beta$ signaling pathways. <i>European Journal of Pharmacology</i> , <b>2018</b> , 838, 1-10	5.3	14
43	Trabecular meshwork ECM remodeling in glaucoma: could RAS be a target?. <i>Expert Opinion on Therapeutic Targets</i> , <b>2018</b> , 22, 629-638	6.4	13
42	Targeting extracellular matrix remodeling in disease: Could resveratrol be a potential candidate?. <i>Experimental Biology and Medicine</i> , <b>2017</b> , 242, 374-383	3.7	12
41	Intraocular pressure-lowering activity of topical application of Aegle marmelos fruit extract in experimental animal models. <i>Ophthalmic Research</i> , <b>2009</b> , 42, 112-6	2.9	12
40	Dose-dependent effects of NMDA on retinal and optic nerve morphology in rats. <i>International Journal of Ophthalmology</i> , <b>2019</b> , 12, 746-753	1.4	11
39	Protective effect of magnesium acetyltaurate and taurine against NMDA-induced retinal damage involves reduced nitrosative stress. <i>Molecular Vision</i> , <b>2018</b> , 24, 495-508	2.3	11
38	Taurine protects against retinal and optic nerve damage induced by endothelin-1 in rats antioxidant effects. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 2014-2021	4.5	11
37	Intraocular distribution of topically applied hydrophilic and lipophilic substances in rat eyes. <i>Drug Delivery</i> , <b>2016</b> , 23, 2765-2771	7	10

36	Neuroprotection by -resveratrol against collagenase-induced neurological and neurobehavioural deficits in rats involves adenosine A1 receptors. <i>Neurological Research</i> , <b>2020</b> , 42, 189-208	2.7	9
35	Neuroprotective effects of brain-derived neurotrophic factor against amyloid beta 1-40-induced retinal and optic nerve damage. <i>European Journal of Neuroscience</i> , <b>2020</b> , 51, 2394-2411	3.5	9
34	Magnesium acetyltaurate protects against endothelin-1 induced RGC loss by reducing neuroinflammation in Sprague dawley rats. <i>Experimental Eye Research</i> , <b>2020</b> , 194, 107996	3.7	8
33	Effect of Magnesium Acetyltaurate and Taurine on Endothelin1-Induced Retinal Nitrosative Stress in Rats. <i>Current Eye Research</i> , <b>2018</b> , 43, 1032-1040	2.9	8
32	Time- and dose-related effects of amyloid beta1-40 on retina and optic nerve morphology in rats. <i>International Journal of Neuroscience</i> , <b>2018</b> , 128, 952-965	2	8
31	Taurine protects against NMDA-induced retinal damage by reducing retinal oxidative stress. <i>Amino Acids</i> , <b>2019</b> , 51, 641-646	3.5	8
30	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> , <b>2018</b> , 114, 245-254	5.1	7
29	Mechanism of the anticataract effect of liposomal MgT in galactose-fed rats. <i>Molecular Vision</i> , <b>2016</b> , 22, 734-47	2.3	7
28	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> , <b>2019</b> , 46, 2841-2849	2.8	5
27	Protective Effect of Palm Oil-Derived Tocotrienol-Rich Fraction Against Retinal Neurodegenerative Changes in Rats with Streptozotocin-Induced Diabetic Retinopathy. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	5
26	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> , <b>2019</b> , 850, 75-87	5.3	4
25	Therapeutic potential of Curcuma longa, the golden spice of India, in drug discovery for ophthalmic diseases. <i>Expert Opinion on Drug Discovery</i> , <b>2009</b> , 4, 147-58	6.2	4
24	Magnesium acethyltaurate as a potential agent for retinal and optic nerve protection in glaucoma. <i>Neural Regeneration Research</i> , <b>2018</b> , 13, 807-808	4.5	4
23	Magnesium acetyltaurate prevents retinal damage and visual impairment in rats through suppression of NMDA-induced upregulation of NF- $\kappa$ B, p53 and AP-1 (c-Jun/c-Fos). <i>Neural Regeneration Research</i> , <b>2021</b> , 16, 2330-2344	4.5	4
22	Early effect of hydroxychloroquine therapy: relationship between cumulative dose and retinal thickness. <i>Cutaneous and Ocular Toxicology</i> , <b>2015</b> , 34, 179-84	1.8	3
21	Ocular Tissue Distribution of Topically Applied PEGylated and Non-PEGylated Liposomes. <i>Advanced Materials Research</i> , <b>2013</b> , 832, 1-8	0.5	3
20	Estimation of intraocular pressure in rabbits using noncontact tonometer: a comparative evaluation with Schiottz tonometer. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , <b>2007</b> , 29, 405-9		3
19	Effect of dexamethasone on the expression of MMPs, adenosine A1 receptors and NF $\kappa$ B by human trabecular meshwork cells. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , <b>2020</b> , 31,	1.6	3

18	Glutathione (GSH) improves sperm quality and testicular morphology in streptozotocin-induced diabetic mice. <i>Asian Journal of Andrology</i> , <b>2021</b> , 23, 281-287	2.8	3
17	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> , <b>2018</b> , 18, 340-347	1.2	2
16	Neuroprotection Against NMDA-Induced Retinal Damage by Philanthotoxin-343 Involves Reduced Nitrosative Stress.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 798794	5.6	2
15	Effect of trans-resveratrol on dexamethasone-induced changes in the expression of MMPs by human trabecular meshwork cells: Involvement of adenosine A receptors and NFkB. <i>European Journal of Pharmacology</i> , <b>2020</b> , 887, 173431	5.3	2
14	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> , <b>2020</b> , 15, e0236450	3.7	2
13	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> , <b>2018</b> , 18, 523-554	1.2	2
12	Dose-Dependent Effects of Endothelin-1 on Retinal and Optic Nerve Morphology in Sprague Dawley Rats. <i>Neurochemical Journal</i> , <b>2019</b> , 13, 73-80	0.5	1
11	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> , <b>2018</b> , 34, 214-223	2.6	1
10	Therapeutic potential of green tea: a new horizon in drug discovery. <i>Expert Opinion on Drug Discovery</i> , <b>2007</b> , 2, 349-59	6.2	1
9	Tackling retinal ganglion cell apoptosis in glaucoma: role of adenosine receptors. <i>Expert Opinion on Therapeutic Targets</i> , <b>2021</b> , 25, 585-596	6.4	1
8	New solutions for old challenges in glaucoma treatment: is taurine an option to consider?. <i>Neural Regeneration Research</i> , <b>2021</b> , 16, 967-971	4.5	1
7	Intravitreal Resveratrol Injection Ameliorates NMDA-Induced Optic Nerve and Retinal Injury.. <i>Current Eye Research</i> , <b>2022</b> , 1-11	2.9	0
6	Effect of trans-resveratrol on glutamate clearance and visual behaviour in rats with glutamate induced retinal injury.. <i>Experimental Eye Research</i> , <b>2022</b> , 109104	3.7	0
5	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> , <b>2020</b> , 16, e037073	1.2	
4	INTRAOCULAR 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> , <b>2018</b> , WCP2018, PO1-13-24	0	
3	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> , <b>2018</b> , WCP2018, PO2-9-15	0	
2	Steroidal and Nonsteroidal Anti-inflammatory Agents for Ocular Use <b>2016</b> , 229-244		
1	Modulation of NFB signalling pathway by tocotrienol: A systematic review. <i>Asia Pacific Journal of Clinical Nutrition</i> , <b>2021</b> , 30, 537-555	1	

