Almudena Crooke

List of Publications by Year
in descending order

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Version: 2024-02-01

39	868	516215 16	500791 28
papers	citations	h-index	g-index

39	39	39	1056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Failure to increase glucose consumption through the pentose-phosphate pathway results in the death of glucose-6-phosphate dehydrogenase gene-deleted mouse embryonic stem cells subjected to oxidative stress. Biochemical Journal, 2003, 370, 935-943.	1.7	159
2	The role and therapeutic potential of melatonin in ageâ€related ocular diseases. Journal of Pineal Research, 2017, 63, e12430.	3.4	54
3	Signs and Symptoms of Dry Eye in Keratoconus Patients: A Pilot Study. Current Eye Research, 2015, 40, 1088-1094.	0.7	43
4	Nucleotides in ocular secretions: Their role in ocular physiology. , 2008, 119, 55-73.		39
5	Dinucleoside polyphosphates in the eye: from physiology to therapeutics. Progress in Retinal and Eye Research, 2007, 26, 674-687.	7.3	37
6	Melatonin Receptors Trigger cAMP Production and Inhibit Chloride Movements in Nonpigmented Ciliary Epithelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 119-128.	1.3	36
7	Sympathetic nervous system modulates the ocular hypotensive action of MT₂â€melatonin receptors in normotensive rabbits. Journal of Pineal Research, 2008, 45, 468-475.	3.4	33
8	Corneal Re-epithelialization Stimulated by Diadenosine Polyphosphates Recruits RhoA/ROCK and ERK1/2 Pathways. , 2008, 49, 4982.		30
9	Silencing of P2Y₂ receptors reduces intraocular pressure in New Zealand rabbits. British Journal of Pharmacology, 2012, 165, 1163-1172.	2.7	30
10	Transient silencing of Plasmodium falciparum bifunctional glucose-6-phosphate dehydrogenase-6-phosphogluconolactonase. FEBS Journal, 2006, 273, 1537-1546.	2.2	28
11	Hypotensive effect of UDP on intraocular pressure in rabbits. European Journal of Pharmacology, 2008, 579, 93-97.	1.7	28
12	5â€MCAâ€NAT does not act through NQO2 to reduce intraocular pressure in Newâ€Zealand white rabbit. Journal of Pineal Research, 2009, 47, 201-209.	3.4	28
13	Melatonin and Its Analog 5-Methoxycarbonylamino-N-Acetyltryptamine Potentiate Adrenergic Receptor-Mediated Ocular Hypotensive Effects in Rabbits: Significance for Combination Therapy in Glaucoma. Journal of Pharmacology and Experimental Therapeutics, 2013, 346, 138-145.	1.3	27
14	Effect of Melatonin and Analogues on Corneal Wound Healing: Involvement of Mt₂Melatonin Receptor. Current Eye Research, 2015, 40, 56-65.	0.7	25
15	Update in Glaucoma Medicinal Chemistry: Emerging Evidence for the Importance of Melatonin Analogues. Current Medicinal Chemistry, 2012, 19, 3508-3522.	1.2	25
16	Requirement of intact sympathetic transmission for the ocular hypotensive effects of melatonin and 5-MCA-NAT. Autonomic Neuroscience: Basic and Clinical, 2007, 137, 63-66.	1.4	20
17	An update on dry eye disease molecular treatment: advances in drug pipelines. Expert Opinion on Pharmacotherapy, 2014, 15, 1371-1390.	0.9	20
18	Long-term follow-up of donor chimerism and tolerance after human liver transplantation. Liver Transplantation, 2009, 15, 581-591.	1.3	19

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19	Neutrophils and neutrophil extracellular trap components: Emerging biomarkers and therapeutic targets for age-related eye diseases. Ageing Research Reviews, 2022, 74, 101553.	5.0	17
20	Involvement of carbonic anhydrases in the ocular hypotensive effect of melatonin analogue 5â€MCAâ€NAT. Journal of Pineal Research, 2012, 52, 265-270.	3.4	16
21	Silencing of P2Y2 receptor delays Ap4A-corneal re-epithelialization process. Molecular Vision, 2009, 15, 1169-78.	1.1	16
22	Ocular disorders and the utility of animal models in the discovery of melatoninergic drugs with therapeutic potential. Expert Opinion on Drug Discovery, 2012, 7, 989-1001.	2.5	14
23	Dual-function stem molecular beacons to assess mRNA expression in AT-rich transcripts of Plasmodium falciparum. BioTechniques, 2004, 36, 488-494.	0.8	13
24	The role of dinucleoside polyphosphates on the ocular surface and other eye structures. Progress in Retinal and Eye Research, 2016, 55, 182-205.	7.3	12
25	Phospholipase C/Protein Kinase C Pathway is Essential for Corneal Re-epithelialization Induced by Ap₄A. Current Eye Research, 2011, 36, 1108-1115.	0.7	11
26	Optimization of a Rabbit Dry Eye Model Induced by Topical Instillation of Benzalkonium Chloride. Journal of Ophthalmology, 2020, 2020, 1-10.	0.6	11
27	Potential Role of Rho-Associated Protein Kinase Inhibitors for Glaucoma Treatment. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2012, 6, 89-98.	0.7	10
28	Regulation of ocular adrenoceptor genes expression by 5-MCA-NAT. Pharmacogenetics and Genomics, 2011, 21, 587-589.	0.7	9
29	Effect of Melatonin and Its Analogs on Tear Secretion. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 186-190.	1.3	8
30	Comparison of the MagNA pure LC automated system and the RiboPure-Blood RNA manual method for RNA extraction from multiple myeloma bone marrow samples conserved in an RNA stabilizer. International Journal of Laboratory Hematology, 2007, 29, 139-144.	0.7	7
31	Realâ€time PCR quantification of haematopoietic chimerism after transplantation: a comparison between TaqMan and hybridization probes technologies. International Journal of Laboratory Hematology, 2010, 32, e17-25.	0.7	6
32	Recent Patents and Developments in Glaucoma Biomarkers. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2012, 6, 224-234.	0.7	6
33	Therapeutic potential of topical administration of siRNAs against HIF-1Î± for corneal neovascularization. Experimental Eye Research, 2022, 219, 109036.	1.2	6
34	Contact Lenses Loaded with Melatonin Analogs: A Promising Therapeutic Tool against Dry Eye Disease. Journal of Clinical Medicine, 2022, 11, 3483.	1.0	6
35	Effect of PPADS on achondroplasic chondrocytes: Inhibition of FGF receptor type 3 over-activity. European Journal of Pharmacology, 2008, 584, 72-77.	1.7	5
36	Low expression of CD39 and CD73 genes in centenarians compared with octogenarians. Immunity and Ageing, 2017, 14, 11.	1.8	5

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37	Visual function, ocular surface integrity and symptomatology of a new extended depth-of-focus and a conventional multifocal contact lens. Contact Lens and Anterior Eye, 2021, 44, 101384.	0.8	5
38	Understanding the Presence and Roles of Ap₄A (Diadenosine Tetraphosphate) in the Eye. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 426-434.	0.6	4
39	Impact of contact lens wear on NLRP3 gene expression: Implications for ocular frailty in middle-aged adults. Experimental Eye Research, 2021, 202, 108356.	1.2	0