JesÃºs Pintor

List of Publications by Year
in descending order

		159585	197818
128	3,614	30	49
papers	citations	h-index	g-index

129	129	129	2448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Therapeutic potential of topical administration of siRNAs against HIF-1Î± for corneal neovascularization. Experimental Eye Research, 2022, 219, 109036.	2.6	6
2	Preclinical Development of Artificial Tears Based on an Extract of Artemia Salina Containing Dinucleotides in Rabbits. Current Eye Research, 2021, 46, 174-178.	1.5	2
3	Efficacy of Artificial Tears Based on an Extract of Artemia salina Containing Dinucleotides in a Rabbit Dry Eye Model. International Journal of Molecular Sciences, 2021, 22, 11999.	4.1	3
4	Melatonin and the control of intraocular pressure. Progress in Retinal and Eye Research, 2020, 75, 100798.	15.5	31
5	Adrenoâ€“melatonin receptor complexes control ion homeostasis and intraocular pressure â€•their disruption contributes to hypertensive glaucoma. British Journal of Pharmacology, 2020, 177, 2090-2105.	5.4	8
6	Effect of nutritional supplement based on melatonin on the intraocular pressure in normotensive subjects. International Ophthalmology, 2020, 40, 419-422.	1.4	8
7	Optimization of a Rabbit Dry Eye Model Induced by Topical Instillation of Benzalkonium Chloride. Journal of Ophthalmology, 2020, 2020, 1-10.	1.3	11
8	Expression of Melatonin and Dopamine D3 Receptor Heteromers in Eye Ciliary Body Epithelial Cells and Negative Correlation with Ocular Hypertension. Cells, 2020, 9, 152.	4.1	12
9	Changes in melatonin receptor expression in a murine model of glaucoma. Molecular Vision, 2020, 26, 530-539.	1.1	0
10	Effect of Melatonin and Its Analogs on Tear Secretion. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 186-190.	2.5	8
11	Potential role of P2X7 receptor in neurodegenerative processes in a murine model of glaucoma. Brain Research Bulletin, 2019, 150, 61-74.	3.0	25
12	Yellow Filter Effect on Melatonin Secretion in the Eye: Role in IOP Regulation. Current Eye Research, 2019, 44, 614-618.	1.5	9
13	Docking studies for melatonin receptors. Expert Opinion on Drug Discovery, 2018, 13, 241-248.	5.0	21
14	Beta2 adrenergic receptor silencing change intraocular pressure in New Zealand rabbits. Journal of Optometry, 2018, 11, 69-74.	1.3	16
15	Diquafosol Delivery from Silicone Hydrogel Contact Lenses: Improved Effect on Tear Secretion. Journal of Ocular Pharmacology and Therapeutics, 2018, 34, 170-176.	1.4	21
16	Light-induced ATP release from the lens. Purinergic Signalling, 2018, 14, 499-504.	2.2	4
17	Increased Ap4A levels and ecto-nucleotidase activity in glaucomatous mice retina. Purinergic Signalling, 2018, 14, 259-270.	2.2	3
18	Ocular Manifestations of Alzheimerâ€™s and Other Neurodegenerative Diseases: The Prospect of the Eye as a Tool for the Early Diagnosis of Alzheimerâ€™s Disease. Journal of Ophthalmology, 2018, 2018, 1-12.	1.3	69

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19	A promising drug candidate for the treatment of glaucoma based on a P2Y6-receptor agonist. Purinergic Signalling, 2018, 14, 271-284.	2.2	14
20	Pharmacology without drugs. Journal of Optometry, 2018, 11, 201-202.	1.3	3
21	Presence of melatonin in human tears. Journal of Optometry, 2017, 10, 3-4.	1.3	21
22	Diadenosine tetraphosphate as a potential therapeutic nucleotide to treat glaucoma. Purinergic Signalling, 2017, 13, 171-177.	2.2	10
23	Postâ€lens tear turbidity and visual quality after scleral lens wear. Australasian journal of optometry, The, 2017, 100, 577-582.	1.3	39
24	Hyperosmotic stress induces ATP release and changes in P2X7 receptor levels in human corneal and conjunctival epithelial cells. Purinergic Signalling, 2017, 13, 249-258.	2.2	29
25	Understanding the Presence and Roles of Ap₄A (Diadenosine Tetraphosphate) in the Eye. Journal of Ocular Pharmacology and Therapeutics, 2017, 33, 426-434.	1.4	4
26	Presence of melanopsin in human crystalline lens epithelial cells and its role in melatonin synthesis. Experimental Eye Research, 2017, 154, 168-176.	2.6	33
27	Therapeutic inhibitors for the treatment of dry eye syndrome. Expert Opinion on Pharmacotherapy, 2017, 18, 1855-1865.	1.8	6
28	Melatonin synthesis in the human ciliary body triggered by TRPV4 activation: Involvement of AANAT phosphorylation. Experimental Eye Research, 2017, 162, 1-8.	2.6	9
29	The role and therapeutic potential of melatonin in ageâ€related ocular diseases. Journal of Pineal Research, 2017, 63, e12430.	7.4	54
30	Low expression of CD39 and CD73 genes in centenarians compared with octogenarians. Immunity and Ageing, 2017, 14, 11.	4.2	5
31	Signs and Symptoms of Dry Eye in Keratoconus Patients Before and After Intrastromal Corneal Rings Surgery. Current Eye Research, 2017, 42, 513-519.	1.5	8
32	Elevated intraocular pressure increases melatonin levels in the aqueous humour. Acta Ophthalmologica, 2017, 95, e185-e189.	1.1	18
33	Changes in P2Y Purinergic Receptor Expression in the Ciliary Body in a Murine Model of Glaucoma. Frontiers in Pharmacology, 2017, 8, 719.	3.5	4
34	TRPV4 Stimulation Induced Melatonin Secretion by Increasing Arylalkymine N-acetyltransferase (AANAT) Protein Level. International Journal of Molecular Sciences, 2017, 18, 746.	4.1	8
35	Differences in Dry Eye Questionnaire Symptoms in Two Different Modalities of Contact Lens Wear: Silicone-Hydrogel in Daily Wear Basis and Overnight Orthokeratology. BioMed Research International, 2016, 2016, 1-9.	1.9	14
36	Dry Eye Treatment Based on Contact Lens Drug Delivery: A Review. Eye and Contact Lens, 2016, 42, 280-288.	1.6	31

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37	The influence of rigid gas permeable lens wear on the concentrations of dinucleotides in tears and the effect on dry eye signs and symptoms in keratoconus. Contact Lens and Anterior Eye, 2016, 39, 375-379.	1.7	14
38	Effect of overnight orthokeratology on conjunctival goblet cells. Contact Lens and Anterior Eye, 2016, 39, 266-269.	1.7	14
39	The role of dinucleoside polyphosphates on the ocular surface and other eye structures. Progress in Retinal and Eye Research, 2016, 55, 182-205.	15.5	12
40	Lactoferrin Levels in Tears are Increased by the Topical Application of Diadenosine Tetraphosphate. Current Eye Research, 2016, 41, 1150-1152.	1.5	2
41	Effect of Melatonin and 5-Methoxycarbonylamino-N-Acetyltryptamine on the Intraocular Pressure of Normal and Glaucomatous Mice. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 293-299.	2.5	42
42	The impact of polyphenols on chondrocyte growth and survival: a preliminary report. Food and Nutrition Research, 2015, 59, 29311.	2.6	1
43	Diadenosine polyphosphates in the tears of aniridia patients. Acta Ophthalmologica, 2015, 93, e337-42.	1.1	10
44	Purinergic Signalling in Immune System Regulation in Health and Disease. Mediators of Inflammation, 2015, 2015, 1-3.	3.0	12
45	Melatonin Receptors Trigger cAMP Production and Inhibit Chloride Movements in Nonpigmented Ciliary Epithelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 119-128.	2.5	36
46	Signs and Symptoms of Dry Eye in Keratoconus Patients: A Pilot Study. Current Eye Research, 2015, 40, 1088-1094.	1.5	43
47	TRPV4 activation triggers the release of melatonin from human non-pigmented ciliary epithelial cells. Experimental Eye Research, 2015, 136, 34-37.	2.6	23
48	Diadenosine tetraphosphate improves adrenergic anti-glaucomatous drug delivery and efficiency. Experimental Eye Research, 2015, 134, 141-147.	2.6	11
49	Diadenosine tetraphosphate contributes to carbachol-induced tear secretion. Purinergic Signalling, 2015, 11, 87-93.	2.2	3
50	Effect of Melatonin and Analogues on Corneal Wound Healing: Involvement of Mt₂Melatonin Receptor. Current Eye Research, 2015, 40, 56-65.	1.5	25
51	Increased levels of extracellular ATP in glaucomatous retinas: Possible role of the vesicular nucleotide transporter during the development of the pathology. Molecular Vision, 2015, 21, 1060-70.	1.1	27
52	Presence and Release of ATP from the Retina in an Alzheimer's Disease Model. Journal of Alzheimer's Disease, 2014, 43, 177-181.	2.6	14
53	Purinergic Receptors in Ocular Inflammation. Mediators of Inflammation, 2014, 2014, 1-11.	3.0	22
54	Diadenosine polyphosphates after laser <i>in situ</i> keratomileusis and photorefractive keratectomy refractive techniques. Acta Ophthalmologica, 2014, 92, e5-e11.	1.1	3

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55	Assessment of inner retina dysfunction and progressive ganglion cell loss in a mouse model of glaucoma. Experimental Eye Research, 2014, 122, 40-49.	2.6	64
56	Purines in the eye: Recent evidence for the physiological and pathological role of purines in the RPE, retinal neurons, astrocytes, MÃ¼ller cells, lens, trabecular meshwork, cornea and lacrimal gland. Experimental Eye Research, 2014, 127, 270-279.	2.6	111
57	Contact lenses: new devices for nucleotide delivery in ocular pathologies. Purinergic Signalling, 2014, 10, 419-420.	2.2	3
58	An update on dry eye disease molecular treatment: advances in drug pipelines. Expert Opinion on Pharmacotherapy, 2014, 15, 1371-1390.	1.8	20
59	Sources of Extracellular Tau and its Signaling. Journal of Alzheimer's Disease, 2014, 40, S7-S15.	2.6	27
60	Melatonin and Its Analog 5-Methoxycarbonylamino-<i>N</i>-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.	2.5	27
61	Nucleotides in the Eye: Focus on Functional Aspects and Therapeutic Perspectives. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 331-341.	2.5	35
62	Melatonin analogue agomelatine reduces rabbit's intraocular pressure in normotensive and hypertensive conditions. European Journal of Pharmacology, 2013, 701, 213-217.	3.5	40
63	In vitro and in vivo delivery of the secretagogue diadenosine tetraphosphate from conventional and silicone hydrogel soft contact lenses. Journal of Optometry, 2013, 6, 205-211.	1.3	20
64	Diadenosine polyphosphates release by human corneal epithelium. Experimental Eye Research, 2013, 113, 156-161.	2.6	10
65	Focus on Molecules: Purinergic P2Y2 receptor. Experimental Eye Research, 2012, 105, 83-84.	2.6	7
66	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.	5.0	14
67	Effect of diinosine polyphosphates on intraocular pressure in normotensive rabbits. Experimental Eye Research, 2012, 101, 49-55.	2.6	7
68	Changes in Diadenosine Polyphosphates during Alignment-Fit and Orthokeratology Rigid Gas Permeable Lens Wear. , 2012, 53, 4426.		20
69	Silencing of P2Y₂ receptors reduces intraocular pressure in New Zealand rabbits. British Journal of Pharmacology, 2012, 165, 1163-1172.	5.4	30
70	Involvement of carbonic anhydrases in the ocular hypotensive effect of melatonin analogue 5â€MCAâ€NAT. Journal of Pineal Research, 2012, 52, 265-270.	7.4	16
71	Phospholipase C/Protein Kinase C Pathway is Essential for Corneal Re-epithelialization Induced by Ap₄A. Current Eye Research, 2011, 36, 1108-1115.	1.5	11
72	Design of Novel Melatonin Analogs for the Reduction of Intraocular Pressure in Normotensive Rabbits. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 703-709.	2.5	29

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73	Glaucoma patients present increased levels of diadenosine tetraphosphate, Ap4A, in the aqueous humour. Experimental Eye Research, 2011, 92, 221-226.	2.6	25
74	Focus on Molecules: Diadenosine tetraphosphate. Experimental Eye Research, 2011, 92, 96-97.	2.6	8
75	The Use of Mucoadhesive Polymers to Enhance the Hypotensive Effect of a Melatonin Analogue, 5-MCA-NAT, in Rabbit Eyes. , 2011, 52, 1507.		21
76	Regulation of ocular adrenoceptor genes expression by 5-MCA-NAT. Pharmacogenetics and Genomics, 2011, 21, 587-589.	1.5	9
77	Commentary. Purinergic Signalling, 2011, 7, 169-170.	2.2	5
78	Effects of diadenosine tetraphosphate on FGF9-induced chloride flux changes in achondroplastic chondrocytes. Purinergic Signalling, 2011, 7, 243-249.	2.2	9
79	Diadenosine Polyphosphates in Tears of SjÃ¶gren Syndrome Patients. , 2010, 51, 5452.		25
80	2-MeS-Î²,Î³-CCl₂-ATP is a Potent Agent for Reducing Intraocular Pressure. Journal of Medicinal Chemistry, 2010, 53, 3305-3319.	6.4	16
81	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.	7.4	28
82	Ophthalmic formulations of the intraocular hypotensive melatonin agent 5-MCA-NAT. Experimental Eye Research, 2009, 88, 504-511.	2.6	26
83	Adenine nucleotide effect on intraocular pressure: Involvement of the parasympathetic nervous system. Experimental Eye Research, 2009, 89, 63-70.	2.6	16
84	New treatments for ocular hypertension. Autonomic Neuroscience: Basic and Clinical, 2009, 147, 14-19.	2.8	24
85	Silencing of P2Y2 receptor delays Ap4A-corneal re-epithelialization process. Molecular Vision, 2009, 15, 1169-78.	1.1	16
86	Sympathetic nervous system modulates the ocular hypotensive action of MT₂â€melatonin receptors in normotensive rabbits. Journal of Pineal Research, 2008, 45, 468-475.	7.4	33
87	Hypotensive effect of UDP on intraocular pressure in rabbits. European Journal of Pharmacology, 2008, 579, 93-97.	3.5	28
88	Effect of PPADS on achondroplasic chondrocytes: Inhibition of FGF receptor type 3 over-activity. European Journal of Pharmacology, 2008, 584, 72-77.	3.5	5
89	Nucleotides in ocular secretions: Their role in ocular physiology. , 2008, 119, 55-73.		39
90	P2Y receptors activated by diadenosine polyphosphates reestablish Ca2+ transients in achondroplasic chondrocytes. Bone, 2008, 42, 516-523.	2.9	9

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91	Corneal Re-epithelialization Stimulated by Diadenosine Polyphosphates Recruits RhoA/ROCK and ERK1/2 Pathways. , 2008, 49, 4982.		30
92	Topical application of nucleotides increase lysozyme levels in tears. Clinical Ophthalmology, 2008, 2, 261-7.	1.8	10
93	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.	2.8	20
94	Effect of diadenosine polyphosphates in achondroplasic chondrocytes: Inhibitory effect of Ap4A on FGF9 induced MAPK cascade. Biochemical Pharmacology, 2007, 74, 448-456.	4.4	4
95	Hypotensive effect of profilin on rabbit intraocular pressure. European Journal of Pharmacology, 2007, 567, 145-148.	3.5	13
96	Melatonin receptors in the eye: Location, second messengers and role in ocular physiology. , 2007, 113, 507-522.		97
97	Dinucleoside polyphosphates in the eye: from physiology to therapeutics. Progress in Retinal and Eye Research, 2007, 26, 674-687.	15.5	37
98	Dual Roles of Diadenosine Polyphosphates in Corneal Epithelial Cell Migration. , 2006, 47, 4500.		26
99	Increased Levels of Diadenosine Polyphosphates in Dry Eye. , 2006, 47, 4053.		40
100	Melatonin potentiates tear secretion induced by diadenosine tetraphosphate in the rabbit. European Journal of Pharmacology, 2006, 552, 159-161.	3.5	15
101	Effects of Dinucleoside Polyphosphates on Trabecular Meshwork Cells and Aqueous Humor Outflow Facility. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 1042-1051.	2.5	41
102	Adenine nucleotides and dinucleotides as new substances for the treatment of ocular hypertension and glaucoma. Current Opinion in Investigational Drugs, 2005, 6, 76-80.	2.3	3
103	Tear Secretion Induced by Selective Stimulation of Corneal and Conjunctival Sensory Nerve Fibers. , 2004, 45, 2333.		91
104	Adenosine Tetraphosphate, Ap4, a Physiological Regulator of Intraocular Pressure in Normotensive Rabbit Eyes. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 468-473.	2.5	25
105	UTP and diadenosine tetraphosphate accelerate wound healing in the rabbit cornea. Ophthalmic and Physiological Optics, 2004, 24, 186-193.	2.0	49
106	Immunolocalisation of P2Y receptors in the rat eye. Purinergic Signalling, 2004, 1, 83-90.	2.2	45
107	Nucleotides and dinucleotides in ocular physiology: New possibilities of nucleotides as therapeutic agents in the eye. Drug Development Research, 2003, 59, 136-145.	2.9	19
108	Ocular hypotensive effects of melatonin receptor agonists in the rabbit: further evidence for an MT3 receptor. British Journal of Pharmacology, 2003, 138, 831-836.	5.4	95

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109	Presence of Diadenosine Polyphosphates in the Aqueous Humor: Their Effect on Intraocular Pressure. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 342-348.	2.5	62
110	Presence of diadenosine polyphosphates in human tears. Pflugers Archiv European Journal of Physiology, 2002, 443, 432-436.	2.8	56
111	Therapeutic potential of nucleotides in the eye. Drug Development Research, 2001, 52, 190-195.	2.9	19
112	Involvement of melatonin MT3 receptors in the regulation of intraocular pressure in rabbits. European Journal of Pharmacology, 2001, 416, 251-254.	3.5	109
113	Diadenosine polyphosphate receptors. , 2000, 87, 103-115.		83
114	Receptors for diadenosine polyphosphates P2D, P2YApnA, P4 and dinucleotide receptors: are there too many?. Trends in Pharmacological Sciences, 2000, 21, 135.	8.7	18
115	Adenosine 5â€²-tetraphosphate (Ap4), a new agonist on rat midbrain synaptic terminal P2 receptors. Neuropharmacology, 2000, 39, 2381-2390.	4.1	22
116	Chapter 32 Diadenosine polyphosphates, extracellular function and catabolism. Progress in Brain Research, 1999, 120, 397-409.	1.4	41
117	Diadenosine polyphosphates in the central nervous system. Neuroscience Research Communications, 1997, 20, 69-78.	0.2	18
118	Full sensitivity of P_{2times2} purinoceptor to ATP revealed by changing extracellular pH. British Journal of Pharmacology, 1996, 117, 1371-1373.	5.4	127
119	The activation of P₁â€•and P₂â€purinoceptors in the guineaâ€pig left atrium by diadenosine polyphosphates. British Journal of Pharmacology, 1996, 118, 1294-1300.	5.4	50
120	Selectivity and activity of adenine dinucleotides at recombinant P2x₂ and P2Y₁ purinoceptors. British Journal of Pharmacology, 1996, 119, 1006-1012.	5.4	64
121	Presence of Îµ-adenosine tetraphosphate in chromaffin granules after transport of Îµ-ATP. FEBS Letters, 1996, 391, 195-198.	2.8	15
122	P2 purinergic receptors for diadenosine polyphosphates in the nervous system. General Pharmacology, 1995, 26, 229-235.	0.7	66
123	A novel receptor for diadenosine polyphosphates coupled to calcium increase in rat midbrain synaptosomes. British Journal of Pharmacology, 1995, 115, 895-902.	5.4	87
124	Dopamine Receptor Blockade Inhibits the Amphetamineâ€Induced Release of Diadenosine Polyphosphates, Diadenosine Tetraphosphate and Diadenosine Pentaphosphate, from Neostriatum of the Conscious Rat. Journal of Neurochemistry, 1995, 64, 670-676.	3.9	46
125	Amphetamine-induced release of diadenosine polyphosphates - Ap4A and Ap5A - from caudate putamen of conscious rat. Neuroscience Letters, 1993, 150, 13-16.	2.1	33
126	Presence of diadenosine polyphosphatesâ€" Ap4A and Ap5Aâ€" In rat brain synaptic terminals. Ca2+ dependent release evoked by 4-aminopyridine and veratridine. Neuroscience Letters, 1992, 136, 141-144.	2.1	143

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127	Characterization and quantification of diadenosine hexaphosphate in chromaffin cells: Granular storage and secretagogue-induced release. Analytical Biochemistry, 1992, 200, 296-300.	2.4	101
128	Carbachol induced release of diadenosine polyphosphates -Ap4A and Ap5A- from perfused bovine adrenal medulla and isolated chromaffin cells. Life Sciences, 1991, 48, 2317-2324.	4.3	79