Steven J Pittler

List of Publications by Year
in descending order

51 papers	3,238 citations	236925 25 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	2365 citing authors

#	Article	IF	Citations
1	Retinal Degeneration Caused by Rod-Specific Dhdds Ablation Occurs without Concomitant Inhibition of Protein N-Glycosylation. IScience, 2020, 23, 101198.	4.1	14
2	Lack of Overt Retinal Degeneration in a K42E Dhdds Knock-In Mouse Model of RP59. Cells, 2020, 9, 896.	4.1	9
3	Selective Ablation of Dehydrodolichyl Diphosphate Synthase in Murine Retinal Pigment Epithelium (RPE) Causes RPE Atrophy and Retinal Degeneration. Cells, 2020, 9, 771.	4.1	10
4	GARP2 accelerates retinal degeneration in rod cGMP-gated cation channel Î²-subunit knockout mice. Scientific Reports, 2017, 7, 42545.	3.3	23
5	Role of RDS and Rhodopsin inCngb1-Related Retinal Degeneration. , 2016, 57, 787.		10
6	The B3 Subunit of the Cone Cyclic Nucleotide-gated Channel Regulates the Light Responses of Cones and Contributes to the Channel Structural Flexibility. Journal of Biological Chemistry, 2016, 291, 8721-8734.	3.4	2
7	Varying the GARP2-to-RDS Ratio Leads to Defects in Rim Formation and Rod and Cone Function. , 2015, 56, 8187.		9
8	Overexpression of rod photoreceptor glutamic acid rich protein 2 (GARP2) increases gain and slows recovery in mouse retina. Cell Communication and Signaling, 2014, 12, 67.	6.5	13
9	Dynamic near-infrared imaging reveals transient phototropic change in retinal rod photoreceptors. Journal of Biomedical Optics, 2013, 18, 1.	2.6	25
10	Comparative intrinsic optical signal imaging of wild-type and mutant mouse retinas. Optics Express, 2012, 20, 7646.	3.4	18
11	Investigation of the hyper-reflective inner/outer segment band in optical coherence tomography of living frog retina. Journal of Biomedical Optics, 2012, 17, 060504.	2.6	39
12	Three-Dimensional Architecture of the Rod Sensory Cilium and Its Disruption in Retinal Neurodegeneration. Cell, 2012, 151, 1029-1041.	28.9	142
13	Age-related changes in Cngb1-X1 knockout mice: prolonged cone survival. Documenta Ophthalmologica, 2012, 124, 163-175.	2.2	6
14	Activation of Retinal Guanylyl Cyclase RetGC1 by GCAP1: Stoichiometry of Binding and Effect of New LCA-Related Mutations. Biochemistry, 2010, 49, 709-717.	2.5	28
15	Knockout of GARPs and the Î²-subunit of the rod cGMP-gated channel disrupts disk morphogenesis and rod outer segment structural integrity. Journal of Cell Science, 2009, 122, 1927-1927.	2.0	1
16	Characterization of a Canine Model of Autosomal Recessive Retinitis Pigmentosa due to aPDE6AMutation. , 2009, 50, 801.		48
17	Knockout of GARPs and the Î²-subunit of the rod cGMP-gated channel disrupts disk morphogenesis and rod outer segment structural integrity. Journal of Cell Science, 2009, 122, 1192-1200.	2.0	84
18	Focus on Molecules: Rod cGMP Phosphodiesterase Type 6. Experimental Eye Research, 2007, 84, 1-2.	2.6	23

#	Article	IF	Citations
19	Focus on Molecules: Rod photoreceptor cGMP-gated cation channel. Experimental Eye Research, 2007, 85, 173-174.	2.6	3
20	Identifying photoreceptors in blind eyes caused by RPE65 mutations: Prerequisite for human gene therapy success. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6177-6182.	7.1	249
21	Functional Analysis of the Rod Photoreceptor cGMP Phosphodiesterase Î±-Subunit Gene Promoter. Journal of Biological Chemistry, 2004, 279, 19800-19807.	3.4	54
22	Characterization of 3',5' cyclic nucleotide phosphodiesterase activity in Y79 retinoblastoma cells: absence of functional PDE6. Molecular Vision, 2004, 10, 738-49.	1.1	16
23	Electroretinographic Abnormalities in Parents of Patients With Leber Congenital Amaurosis Who Have Heterozygous GUCY2D Mutations. JAMA Ophthalmology, 2002, 120, 1325.	2.4	35
24	A PDE6A Promoter Fragment Directs Transcription Predominantly in the Photoreceptor. Biochemical and Biophysical Research Communications, 2001, 282, 543-547.	2.1	17
25	Reproducible high efficiency gene transfer into Y79 retinoblastoma cells using adenofection. Journal of Neuroscience Methods, 2001, 106, 1-7.	2.5	12
26	Four novel mutations in the RPE65 gene in patients with Leber congenital amaurosis. Human Mutation, 2001, 18, 164-164.	2.5	52
27	Rapid restoration of visual pigment and function with oral retinoid in a mouse model of childhood blindness. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8623-8628.	7.1	292
28	Genomic organization of the human rod photoreceptor cGMP-gated cation channel Î²-subunit gene. Gene, 2000, 245, 311-318.	2.2	47
29	Structure and upstream region characterization of the human gene encoding rod photoreceptor cGMP phosphodiesterase Î±-subunit. Journal of Molecular Neuroscience, 1998, 10, 235-250.	2.3	10
30	Cloning and Expression of the Glucocorticoid Receptor from the Squirrel Monkey (Saimiri boliviensis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1997, 82, 465-472.	3.6	27
31	The Î² subunit of human rod photoreceptor cGMP-gated cation channel is generated from a complex transcription unit. FEBS Letters, 1996, 389, 213-218.	2.8	30
32	Gene Structure and Chromosome Localization to 7q21.3 of the Human Rod Photoreceptor Transducin Î³-Subunit Gene (GNGT1). Genomics, 1996, 35, 241-243.	2.9	25
33	Retinalâ€“specific guanylate cyclase gene mutations in Leber's congenital amaurosis. Nature Genetics, 1996, 14, 461-464.	21.4	433
34	Autosomal recessive retinitis pigmentosa caused by mutations in the Î± subunit of rod cGMP phosphodiesterase. Nature Genetics, 1995, 11, 468-471.	21.4	233
35	cDNA, Gene Structure, and Chromosomal Localization of Human GAR1 (CNCG3L), a Homolog of the Third Subunit of Bovine Photoreceptor cGMP-Gated Channel. Genomics, 1995, 28, 32-38.	2.9	22
36	Molecular Analysis of the Human GAR1 Gene. , 1995, , 331-338.		0

#	Article	IF	Citations
37	A YAC Contig of Approximately 3 Mb from Human Chromosome 5q31 â†' q33. Genomics, 1994, 19, 470-477.	2.9	28
38	Human Retinal Guanylate Cyclase (GUC2D) Maps to Chromosome 17p13.1. Genomics, 1994, 22, 478-481.	2.9	26
39	In vivo biosynthesis of cholesterol in the rat retina. FEBS Letters, 1993, 335, 234-238.	2.8	57
40	PCR analysis of DNA from 70-year-old sections of rodless retina demonstrates identity with the mouse rd defect.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 9616-9619.	7.1	196
41	Syntenic assignments of visual transduction genes in cattle. Genomics, 1992, 14, 699-706.	2.9	17
42	Chromosome mapping of the rod photoreceptor cGMP phosphodiesterase Î²-subunit gene in mouse and human: Tight linkage to the Huntington disease region (4p16.3). Genomics, 1992, 12, 750-754.	2.9	26
43	Novel morphological changes in rat retina induced by intravitreal injection of lovastatin. Experimental Eye Research, 1992, 54, 149-152.	2.6	10
44	Primary structure of frog rhodopsin. FEBS Letters, 1992, 313, 103-108.	2.8	31
45	Complete cDNA sequences of mouse rod photoreceptor cGMP phosphodiesterase Î±- and Î²-subunits, and identification of Î²â€²-, a putative Î²-subunit isozyme produced by alternative splicing of the Î²-subunit gene. FEBS Letters, 1991, 278, 107-114.	2.8	50
46	Identification of a nonsense mutation in the rod photoreceptor cGMP phosphodiesterase beta-subunit gene of the rd mouse.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8322-8326.	7.1	581
47	HSV antigens and HSV DNA in avascular and vascularized lesions of human herpes simplex keratitis. Current Eye Research, 1991, 10, 63-68.	1.5	30
48	Molecular characterization of human and bovine rod photoreceptor cGMP phosphodiesterase Î±-subunit and chromosomal localization of the human gene. Genomics, 1990, 6, 272-283.	2.9	105
49	An interchromosomal gene conversion of the Drosophila dunce locus identified with restriction site polymorphisms: A potential involvement of transposable elements in gene conversion. Molecular Genetics and Genomics, 1987, 208, 315-324.	2.4	5
50	A new family of the poly-deoxyadenylated class of Drosophila transposable elements identified by a representative member at the dunce locus. Molecular Genetics and Genomics, 1987, 208, 325-328.	2.4	9
51	In vitro synthesis of rat brain hexokinase. Biochimica Et Biophysica Acta - General Subjects, 1985, 843, 186-192.	2.4	6