Pierre Lachapelle

List of Publications by Year
in descending order

89	2,694	218592	223716
papers	citations	26 h-index	46 g-index

92	92	92	2688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic visual loss measured by kinetic perimetry and retinal electrophysiology in children with functional amblyopia. Documenta Ophthalmologica, 2021, 143, 1-16.	1.0	2
2	Acknowledgement to scientific referees 2020. Documenta Ophthalmologica, 2021, 142, 1-3.	1.0	1
3	Functional alterations of retinal neurons and vascular involvement progress simultaneously in the <scp> Psammomys obesus </scp> model of diabetic retinopathy. Journal of Comparative Neurology, 2021, 529, 2620-2635.	0.9	3
4	AAV-mediated PEX1 gene augmentation improves visual function in the PEX1-Gly844Asp mouse model for mild Zellweger spectrum disorder. Molecular Therapy - Methods and Clinical Development, 2021, 23, 225-240.	1.8	9
5	Distinguishing Familial from Acquired Traits in the Retinal Blood Vessel Arborization. Translational Vision Science and Technology, 2020, 9, 27.	1.1	1
6	Ring analysis of multifocal oscillatory potentials (mfOPs) in cCSNB suggests near-normal ONâ€“OFF pathways at the fovea only. Documenta Ophthalmologica, 2020, 141, 99-109.	1.0	4
7	A longitudinal study of retinopathy in the PEX1-Gly844Asp mouse model for mild Zellweger Spectrum Disorder. Experimental Eye Research, 2019, 186, 107713.	1.2	19
8	Snap29 mutant mice recapitulate neurological and ophthalmological abnormalities associated with 22q11 and CEDNIK syndrome. Communications Biology, 2019, 2, 375.	2.0	10
9	Evidences Suggesting that Distinct Immunological and Cellular Responses to Light Damage Distinguishes Juvenile and Adult Rat Retinas. International Journal of Molecular Sciences, 2019, 20, 2744.	1.8	2
10	ISCEV extended protocol for the stimulusâ€“response series for light-adapted full-field ERG. Documenta Ophthalmologica, 2019, 138, 205-215.	1.0	34
11	The effects of bandpass filtering on the oscillatory potentials of the electroretinogram. Documenta Ophthalmologica, 2019, 138, 247-254.	1.0	10
12	Revealing a retinal facilitatory effect with the multifocal ERG. Documenta Ophthalmologica, 2019, 138, 117-124.	1.0	3
13	Recording and Analysis of the Human Clinical Electroretinogram. Methods in Molecular Biology, 2018, 1715, 313-325.	0.4	2
14	Evaluating the neuroprotective effect of 17Î²-estradiol in rodent models of oxidative retinopathies. Documenta Ophthalmologica, 2018, 137, 151-168.	1.0	2
15	Electroretinographic evidence suggesting that the type 2 diabetic retinopathy of the sand rat Psammomys obesus is comparable to that of humans. PLoS ONE, 2018, 13, e0192400.	1.1	5
16	Light-Induced Retinopathy: Young Age Protects more than Ocular Pigmentation. Current Eye Research, 2017, 42, 924-935.	0.7	9
17	The DTL ERG electrode comes in different shapes and sizes: Are they all good?. Documenta Ophthalmologica, 2017, 135, 155-164.	1.0	4
18	Quantifying the ON and OFF Contributions to the Flash ERG with the Discrete Wavelet Transform. Translational Vision Science and Technology, 2017, 6, 3.	1.1	21

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19	Assessing the Contribution of the Oscillatory Potentials to the Genesis of the Photopic ERG with the Discrete Wavelet Transform. BioMed Research International, 2016, 2016, 1-12.	0.9	19
20	Sildenafil Improves Functional and Structural Outcome of Retinal Injury Following Term Neonatal Hypoxia-Ischemia. , 2016, 57, 4306.		9
21	Retinotopic Distribution of Structural and Functional Damages following Bright Light Exposure of Juvenile Rats. PLoS ONE, 2016, 11, e0146979.	1.1	6
22	Strain Differences in Light-Induced Retinopathy. PLoS ONE, 2016, 11, e0158082.	1.1	21
23	Witnessing the first sign of retinitis pigmentosa onset in the allegedly normal eye of a case of unilateral RP: a 30-year follow-up. Documenta Ophthalmologica, 2016, 132, 213-229.	1.0	15
24	Choroidal Involution Is Associated with a Progressive Degeneration of the Outer Retinal Function in a Model of Retinopathy of Prematurity. American Journal of Pathology, 2016, 186, 3100-3116.	1.9	47
25	Functional decomposition of the human ERG based on the discrete wavelet transform. Journal of Vision, 2015, 15, 14.	0.1	36
26	Visual Impairments Following Term Neonatal Encephalopathy: Do Retinal Impairments Also Play a Role?. , 2015, 56, 5182.		20
27	Differences in Retinal Structure and Function between Aging Male and Female Sprague-Dawley Rats are Strongly Influenced by the Estrus Cycle. PLoS ONE, 2015, 10, e0136056.	1.1	51
28	Advance in ERG Analysis: From Peak Time and Amplitude to Frequency, Power, and Energy. BioMed Research International, 2014, 2014, 1-11.	0.9	49
29	Aortic coarctation and the retinal microvasculature. International Journal of Cardiology, 2014, 174, 25-30.	0.8	5
30	Choroidal Involution Is a Key Component of Oxygen-Induced Retinopathy. , 2011, 52, 6238.		64
31	Longitudinal assessment of retinal structure and function reveals a rod-cone degeneration in a guinea pig model initially presented as night blind. Documenta Ophthalmologica, 2011, 123, 1-19.	1.0	1
32	Complete deficiency of methylenetetrahydrofolate reductase in mice is associated with impaired retinal function and variable mortality, hematological profiles, and reproductive outcomes. Journal of Inherited Metabolic Disease, 2011, 34, 147-157.	1.7	31
33	Immunohistochemical Evidence of Synaptic Retraction, Cytoarchitectural Remodeling, and Cell Death in the Inner Retina of the Rat Model of Oygen-Induced Retinopathy (OIR). , 2011, 52, 1693.		30
34	Understanding ischemic retinopathies: emerging concepts from oxygen-induced retinopathy. Documenta Ophthalmologica, 2010, 120, 51-60.	1.0	66
35	Asymmetrical growth of the photopic hill during the light adaptation effect. Documenta Ophthalmologica, 2010, 121, 177-187.	1.0	10
36	Retinopathy of prematurity: understanding ischemic retinal vasculopathies at an extreme of life. Journal of Clinical Investigation, 2010, 120, 3022-3032.	3.9	213

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37	Functional and Structural Changes Resulting from Strain Differences in the Rat Model of Oxygen-Induced Retinopathy. , 2009, 50, 2436.		27
38	Modulation of ERG retinal sensitivity parameters with light environment and photoperiod. Documenta Ophthalmologica, 2009, 118, 89-99.	1.0	9
39	Structural and functional maturation of the retina of the albino Hartley guinea pig. Documenta Ophthalmologica, 2008, 117, 13-26.	1.0	12
40	The succinate receptor GPR91 in neurons has a major role in retinal angiogenesis. Nature Medicine, 2008, 14, 1067-1076.	15.2	317
41	Early Manifestations of Postnatal Hyperoxia on the Retinal Structure and Function of the Neonatal Rat. , 2008, 49, 458.		46
42	Circadian Light Sensitivity and Rate of Retinal Dark Adaptation in Indoor and Outdoor Workers. Journal of Biological Rhythms, 2007, 22, 454-457.	1.4	24
43	Neuroprotection in the Juvenile Rat Model of Light-Induced Retinopathy: Evidence Suggesting a Role for FGF-2 and CNTF. , 2007, 48, 2311.		53
44	Evidence of a possible impact of the menstrual cycle on the reproducibility of scotopic ERGs in women. Documenta Ophthalmologica, 2007, 114, 125-134.	1.0	27
45	Light-Induced Retinopathy: Comparing Adult and Juvenile Rats. , 2006, 47, 3202.		47
46	Structural and Functional Consequences of Trolox C Treatment in the Rat Model of Postnatal Hyperoxia. , 2006, 47, 1101.		21
47	Structural and functional consequences of bright light exposure on the retina of neonatal rats. Documenta Ophthalmologica, 2006, 113, 93-103.	1.0	8
48	Visual Evoked Potentials and Reaction Time Measurements to Motion-reversal Luminance- and Texture-defined Stimuli. Documenta Ophthalmologica, 2005, 110, 163-172.	1.0	10
49	The Photopic ERG of the Albino Guinea Pig (Cavia porcellus): A Model of the Human Photopic ERG. Documenta Ophthalmologica, 2005, 110, 67-77.	1.0	18
50	Modulation of the human photopic ERG luminance-response function with the use of chromatic stimuli. Vision Research, 2005, 45, 2321-2330.	0.7	18
51	Comparing the photopic ERG i-wave in different species. Veterinary Ophthalmology, 2004, 7, 189-192.	0.6	43
52	Redox-dependent effects of nitric oxide on microvascular integrity in oxygen-induced retinopathy. Free Radical Biology and Medicine, 2004, 37, 1885-1894.	1.3	64
53	Spontaneous occurrence of a potentially night blinding disorder in guinea pigs. Documenta Ophthalmologica, 2003, 107, 59-69.	1.0	8
54	Dark adaptation is faster in pigmented than albino rats. Documenta Ophthalmologica, 2003, 106, 153-159.	1.0	39

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55	The photopic ERG luminance-response function (photopic hill): method of analysis and clinical application. Vision Research, 2003, 43, 1405-1412.	0.7	48
56	Electrophysiological evidence suggesting a seasonal modulation of retinal sensitivity in subsyndromal winter depression. Journal of Affective Disorders, 2002, 68, 191-202.	2.0	56
57	Cone-dominated ERG luminance-response function: the Photopic Hill revisited. Documenta Ophthalmologica, 2002, 104, 231-248.	1.0	49
58	Evidence for a brief period of enhanced oxygen susceptibility in the rat model of oxygen-induced retinopathy. Investigative Ophthalmology and Visual Science, 2002, 43, 2481-90.	3.3	30
59	Correlating retinal function with melatonin secretion in subjects with an early or late circadian phase. Investigative Ophthalmology and Visual Science, 2002, 43, 2491-9.	3.3	52
60	Response characteristics of the normal retino-cortical pathways as determined with simultaneous recordings of pattern visual evoked potentials and simple motor reaction times. Vision Research, 2001, 41, 1085-1090.	0.7	6
61	A physiological basis for definition of the ISCEV ERG standard flash (SF) based on the photopic hill. Documenta Ophthalmologica, 2001, 102, 157-162.	1.0	14
62	Augmented Vasoconstriction and Thromboxane Formation by 15-F2t-Isoprostane (8-Iso-Prostaglandin) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	72
63	Transient enhancing of cone electroretinograms following exposure to brighter photopic backgrounds. Vision Research, 2000, 40, 1013-1018.	0.7	6
64	Can interocular pattern reversal visual evoked potential and motor reaction time differences distinguish anisometropic from strabismic amblyopia?. Acta Ophthalmologica, 1999, 77, 40-44.	0.4	10
65	The electroretinogram recorded at the onset of dark-adaptation: understanding the origin of the scotopic oscillatory potentials. , 1999, 99, 135-150.		18
66	Persistent functional and structural retinal anomalies in newborn rats exposed to hyperoxia. Canadian Journal of Physiology and Pharmacology, 1999, 77, 48-55.	0.7	30
67	Reproducibility of ERG responses obtained with the DTL electrode. Vision Research, 1999, 39, 1069-1070.	0.7	39
68	Evidence supportive of a functional discrimination between photopic oscillatory potentials as revealed with cone and rod mediated retinopathies. Documenta Ophthalmologica, 1998, 95, 35-54.	1.0	35
69	A novel mechanism for vasoconstrictor action of 8-isoprostaglandin F2Î± on retinal vessels. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R1406-R1416.	0.9	53
70	Intraocular Gene Transfer of Ciliary Neurotrophic Factor Prevents Death and Increases Responsiveness of Rod Photoreceptors in theretinal degeneration slowmouse. Journal of Neuroscience, 1998, 18, 9282-9293.	1.7	208
71	Diurnal and Nocturnal Visual Function in Two Tactile Foraging Waterbirds: The American White Ibis and the Black Skimmer. Condor, 1997, 99, 191-200.	0.7	25
72	The effect of in vivo retinal cooling on the electroretinogram of the rabbit. Vision Research, 1996, 36, 339-344.	0.7	8

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73	Light adaptation of the human photopic oscillatory potentials: Influence of the length of the dark adaptation period. Documenta Ophthalmologica, 1995, 89, 267-276.	1.0	14
74	Reproducibility of electroretinograms recorded with DTL electrodes. Documenta Ophthalmologica, 1995, 91, 333-342.	1.0	55
75	The human suprathreshold photopic oscillatory potentials: Method of analysis and clinical application. Documenta Ophthalmologica, 1994, 88, 1-25.	1.0	27
76	Interpretation of the filtered 100- to 1000-Hz electroretinogram. Documenta Ophthalmologica, 1994, 86, 33-46.	1.0	8
77	Human strabismus: Evaluation of the interhemispheric transmission time and hemiretinal differences using a reaction time task. Behavioural Brain Research, 1994, 62, 63-70.	1.2	9
78	Recording the oscillatory potentials of the electroretinogram with the DTL electrode. Documenta Ophthalmologica, 1993, 83, 119-130.	1.0	28
79	Comparative effects of luminance and scatter on the pattern visual evoked potential and eye-hand reaction time. Documenta Ophthalmologica, 1992, 79, 177-185.	1.0	7
80	Evidence for an intensity-coding oscillatory potential in the human electroretinogram. Vision Research, 1991, 31, 767-774.	0.7	27
81	Evaluation of the Contrast Sensitivity Function in Patients with Intermittent Exotropia. American Orthoptic Journal, 1991, 41, 77-80.	0.3	1
82	Oscillatory potentials as predictors to amplitude and peak time of the photopic b-wave of the human electroretinogram. Documenta Ophthalmologica, 1990, 75, 73-82.	1.0	13
83	The effect of 2-amino-4-phosphonobutyric acid on the oscillatory potentials of the electroretinogram. Documenta Ophthalmologica, 1990, 75, 125-133.	1.0	19
84	A new speculum electrode for electroretinography. Journal of Neuroscience Methods, 1990, 32, 245-249.	1.3	14
85	The oscillatory potentials in response to stimuli of photopic intensities delivered in dark-adaptation: An explanation for the conditioning flash effect. Vision Research, 1990, 30, 503-513.	0.7	17
86	The electroretinogram in Stargardt's disease and fundus flavimaculatus. Documenta Ophthalmologica, 1989, 73, 395-404.	1.0	26
87	Maturation of the electroretinogram of the neonatal rabbit. Documenta Ophthalmologica, 1988, 69, 237-245.	1.0	25
88	Modulations of collicular visual responses by acoustic stimuli in rabbits. Neuroscience Research, 1987, 4, 385-395.	1.0	2
89	Components of the electroretinogram: a reappraisal. Documenta Ophthalmologica, 1986, 63, 337-48.	1.0	18