Laura J Frishman

List of Publications by Year
in descending order

72	4,216	109137 35	133063 59
papers	citations	h-index	g-index

73	73	73	3445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Scotopic Threshold Response of the Darkâ€Adapted Electroretinogram of the Mouse. Journal of Physiology, 2002, 543, 899-916.	1.3	268
2	Retinal origins of the primate multifocal ERG: implications for the human response. Investigative Ophthalmology and Visual Science, 2002, 43, 1673-85.	3.3	216
3	Dissecting the dark-adapted electroretinogram. Documenta Ophthalmologica, 1998, 95, 187-215.	1.0	189
4	ISCEV Standard for full-field clinical electroretinography (2022 update). Documenta Ophthalmologica, 2022, 144, 165-177.	1.0	179
5	Expression of vesicular glutamate transporter 1 in the mouse retina reveals temporal ordering in development of rod vs. cone and ON vs. OFF circuits. Journal of Comparative Neurology, 2003, 465, 480-498.	0.9	174
6	Rod and cone contributions to the a â€wave of the electroretinogram of the macaque. Journal of Physiology, 2003, 547, 509-530.	1.3	164
7	Visual field defects and neural losses from experimental glaucoma. Progress in Retinal and Eye Research, 2002, 21, 91-125.	7.3	155
8	Intrinsically photosensitive retinal ganglion cells detect light with a vitamin A-based photopigment, melanopsin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10339-10344.	3.3	129
9	Photopic ERGs in Patients with Optic Neuropathies: Comparison with Primate ERGs after Pharmacologic Blockade of Inner Retina. , 2004, 45, 3827.		122
10	ISCEV extended protocol for the photopic negative response (PhNR) of the full-field electroretinogram. Documenta Ophthalmologica, 2018, 136, 207-211.	1.0	114
11	ISCEV Standard for clinical electro-oculography (2017 update). Documenta Ophthalmologica, 2017, 134, 1-9.	1.0	104
12	Identifying inner retinal contributions to the human multifocal ERG. Vision Research, 1999, 39, 2285-2291.	0.7	101
13	Regulation of Retinal Cone Bipolar Cell Differentiation and Photopic Vision by the CVC Homeobox Gene Vsx1. Current Biology, 2004, 14, 530-536.	1.8	94
14	Rod Vision Is Controlled by Dopamine-Dependent Sensitization of Rod Bipolar Cells by GABA. Neuron, 2011, 72, 101-110.	3.8	93
15	Effects of Spectral Characteristics of Ganzfeld Stimuli on the Photopic Negative Response (PhNR) of the ERG. , 2007, 48, 4818.		91
16	The Relationship between Visual Field and Retinal Nerve Fiber Layer Measurements in Patients with Multiple Sclerosis. , 2007, 48, 5798.		91
17	Regional Variations in Local Contributions to the Primate Photopic Flash ERG: Revealed Using the Slow-Sequence mfERG. , 2003, 44, 3233.		86
18	Genetic Dissection of Rod and Cone Pathways in the Dark-Adapted Mouse Retina. Journal of Neurophysiology, 2009, 102, 1945-1955.	0.9	85

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19	Differential distribution and developmental expression of synaptic vesicle protein 2 isoforms in the mouse retina. Journal of Comparative Neurology, 2003, 460, 106-122.	0.9	84
20	The rod-driven a-wave of the dark-adapted mammalian electroretinogram. Progress in Retinal and Eye Research, 2014, 39, 1-22.	7.3	83
21	Tracking changes over time in retinal nerve fiber layer and ganglion cell-inner plexiform layer thickness in multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 1331-1341.	1.4	80
22	Effects of experimental glaucoma in macaques on the multifocal ERG. Multifocal ERG in laser-induced glaucoma. Documenta Ophthalmologica, 2000, 100, 231-251.	1.0	75
23	Retinal pathway origins of the pattern ERG of the mouse. Experimental Eye Research, 2009, 89, 49-62.	1.2	74
24	Near complete loss of retinal ganglion cells in the math5/brn3b double knockout elicits severe reductions of other cell types during retinal development. Developmental Biology, 2008, 316, 214-227.	0.9	70
25	Ganglion Cells Are Required for Normal Progenitor- Cell Proliferation but Not Cell-Fate Determination or Patterning in the Developing Mouse Retina. Current Biology, 2005, 15, 525-530.	1.8	66
26	Effect of Experimental Glaucoma in Primates on Oscillatory Potentials of the Slow-Sequence mfERG. , 2006, 47, 753.		65
27	Repression of Six3 by a corepressor regulates rhodopsin expression. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13128-13133.	3.3	64
28	Contribution of voltageâ€gated sodium channels to the bâ€wave of the mammalian flash electroretinogram. Journal of Physiology, 2008, 586, 2551-2580.	1.3	64
29	Dopaminergic modulation of tracer coupling in a ganglion-amacrine cell network. Visual Neuroscience, 2007, 24, 593-608.	0.5	60
30	The Photopic Negative Response of the Flash Electroretinogram in Multiple Sclerosis. , 2012, 53, 1315.		55
31	Inner-retinal contributions to the photopic sinusoidal flicker electroretinogram of macaques. Macaque photopic sinusoidal flicker ERG. Documenta Ophthalmologica, 2002, 105, 223-242.	1.0	54
32	Comparison of multifocal visual evoked potential, standard automated perimetry and optical coherence tomography in assessing visual pathway in multiple sclerosis patients. Multiple Sclerosis Journal, 2010, 16, 412-426.	1.4	54
33	The optic nerve head component of the monkey's (Macaca mulatta) multifocal electroretinogram (mERG). Vision Research, 2001, 41, 2029-2041.	0.7	52
34	Evidence for two sites of adaptation affecting the dark-adapted ERG of cats and primates. Vision Research, 1995, 35, 435-442.	0.7	43
35	Phosducin Regulates Transmission at thePhotoreceptor-to-ON-Bipolar Cell Synapse. Journal of Neuroscience, 2010, 30, 3239-3253.	1.7	42
36	Reprogramming amacrine and photoreceptor progenitors into retinal ganglion cells by replacing Neurod1 with Atoh7. Development (Cambridge), 2013, 140, 541-551.	1.2	40

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37	Voltage-gated sodium channel alpha-subunits Na(v)1.1, Na(v)1.2, and Na(v)1.6 in the distal mammalian retina. Molecular Vision, 2007, 13, 2163-82.	1.1	40
38	Contributions to the electroretinogram of currents originating in proximal retina. Visual Neuroscience, 1988, 1, 307-315.	0.5	37
39	Postreceptoral contributions to the light-adapted ERG of mice lacking b-waves. Experimental Eye Research, 2008, 86, 914-928.	1.2	37
40	Subcellular compartmentalization of two calcium binding proteins, calretinin and calbindin-28 kDa, in ganglion and amacrine cells of the rat retina. Molecular Vision, 2008, 14, 1600-13.	1.1	37
41	Differential distribution of vesicle associated membrane protein isoforms in the mouse retina. Molecular Vision, 2003, 9, 673-88.	1.1	36
42	Chapter 6 Negative components of the electroretinogram from proximal retina and photoreceptor. Progress in Retinal and Eye Research, 1991, 10, 121-160.	0.8	35
43	Assessing visual pathway function in multiple sclerosis patients with multifocal visual evoked potentials. Multiple Sclerosis Journal, 2009, 15, 1431-1441.	1.4	34
44	Oscillatory potentials of the slow-sequence multifocal ERG in primates extracted using the Matching Pursuit method. Vision Research, 2007, 47, 2021-2036.	0.7	33
45	Critical Role of the CXCL10/C-X-C Chemokine Receptor 3 Axis in Promoting Leukocyte Recruitment and Neuronal Injury during Traumatic Optic Neuropathy Induced by Optic Nerve Crush. American Journal of Pathology, 2017, 187, 352-365.	1.9	33
46	Relation Between Macular Retinal Ganglion Cell/Inner Plexiform Layer Thickness and Multifocal Electroretinogram Measures in Experimental Glaucoma. , 2014, 55, 4512.		26
47	Loss of the Low-Frequency Component of the Global-Flash Multifocal Electroretinogram in Primate Eyes with Experimental Glaucoma. , 2011, 52, 3792.		25
48	Electroretinogram of Human, Monkey and Mouse. , 2011, , 480-501.		24
49	Effects of Pirenzepine on Pupil Size and Accommodation in Rhesus Monkeys. , 2004, 45, 3620.		21
50	Histamine Reduces Flash Sensitivity of ON Ganglion Cells in the Primate Retina. , 2010, 51, 3825.		17
51	Reproducibility of multifocal visual evoked potential and traditional visual evoked potential in normal and multiple sclerosis eyes. Documenta Ophthalmologica, 2015, 130, 31-41.	1.0	17
52	The precision of velocity discrimination across spatial frequency. Perception & Psychophysics, 1998, 60, 1329-1336.	2.3	16
53	Multiple effects of adenosine in the arterially perfused mammalian eye. Possible mechanisms for the neuroprotective function of adenosine in the retina. Documenta Ophthalmologica, 2003, 106, 51-59.	1.0	14
54	InÂvivo electroretinographic studies of the role of GABAC receptors in retinal signal processing. Experimental Eye Research, 2015, 139, 48-63.	1.2	14

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55	Immunotoxin-Induced Ablation of the Intrinsically Photosensitive Retinal Ganglion Cells in Rhesus Monkeys. Frontiers in Neurology, 2018, 9, 1000.	1.1	14
56	Test of the paired-flash electroretinographic method in mice lacking b-waves. Visual Neuroscience, 2007, 24, 141-149.	0.5	13
57	Intracellular delivery of proteins into mouse MÃ¼ller glia cells in vitro and in vivo using Pep-1 transfection reagent. Journal of Neuroscience Methods, 2009, 177, 403-419.	1.3	13
58	Interactions between the rod and the cone pathways in the cat retina. Vision Research, 1987, 27, 1093-1104.	0.7	12
59	Stimulus uncertainty affects velocity discrimination. Vision Research, 1998, 38, 1265-IN2.	0.7	10
60	Dynamic random noise shrinks the twinkling aftereffect induced by artificial scotomas. Vision Research, 2000, 40, 805-816.	0.7	10
61	Temporal-Contrast Discrimination and its Neural Correlates. Perception, 1996, 25, 505-522.	0.5	9
62	The effect of eccentricity on the contrast response function of multifocal visual evoked potentials (mfVEPs). Vision Research, 2009, 49, 1711-1716.	0.7	9
63	Multifocal visual evoked potentials and contrast sensitivity correlate with ganglion cell-inner plexiform layer thickness in multiple sclerosis. Clinical Neurophysiology, 2019, 130, 180-188.	0.7	9
64	Sampling and interpolation of the a-wave of the electroretinogram. Documenta Ophthalmologica, 2004, 108, 171-179.	1.0	8
65	Substituting mouse transcription factor Pou4f2 with a sea urchin orthologue restores retinal ganglion cell development. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152978.	1.2	8
66	Electrogenesis of the Electroretinogram. , 2013, , 177-201.		5
67	Retinal ganglion cell ablation in guinea pigs. Experimental Eye Research, 2021, 202, 108339.	1.2	5
68	Electrogenesis of the Electroretinogram. , 2006, , 103-135.		4
69	Cone contribution to the cat early receptor potential. Vision Research, 1975, 15, 873-874.	0.7	2
70	Comparison of macaque and human L- and M-cone driven electroretinograms. Experimental Eye Research, 2021, 206, 108556.	1.2	2
71	Corrigendum to â€œThe rod-driven a-wave of the dark-adapted mammalian electroretinogramâ€•[Progress in Retinal and Eye Research, volume 39, March 2014, pages 1â€“22]. Progress in Retinal and Eye Research, 2017, 59, 202.	7.3	1
72	Visual function in guinea pigs: behavior and electrophysiology. Australasian journal of optometry, The, 2021, 104, 523-531.	0.6	1