

Peter John Coffey

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

4,591

citations

37

h-index

67

g-index

74

ext. papers

5,130

ext. citations

6.6

avg, IF

4.75

L-index

#	Paper	IF	Citations
68	Phase 1 clinical study of an embryonic stem cell-derived retinal pigment epithelium patch in age-related macular degeneration. <i>Nature Biotechnology</i> , 2018 , 36, 328-337	44.5	311
67	Face processing impairments after encephalitis: amygdala damage and recognition of fear. <i>Neuropsychologia</i> , 1998 , 36, 59-70	3.2	308
66	Multipotent retinal progenitors express developmental markers, differentiate into retinal neurons, and preserve light-mediated behavior. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 4167-73		269
65	Elucidating the phenomenon of HESC-derived RPE: anatomy of cell genesis, expansion and retinal transplantation. <i>Experimental Neurology</i> , 2008 , 214, 347-61	5.7	217
64	Identification and Correction of Mechanisms Underlying Inherited Blindness in Human iPSC-Derived Optic Cups. <i>Cell Stem Cell</i> , 2016 , 18, 769-781	18	193
63	Rapid and efficient directed differentiation of human pluripotent stem cells into retinal pigmented epithelium. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 384-93	6.9	183
62	Long-term preservation of cortically dependent visual function in RCS rats by transplantation. <i>Nature Neuroscience</i> , 2002 , 5, 53-6	25.5	180
61	Subretinal transplantation of genetically modified human cell lines attenuates loss of visual function in dystrophic rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 9942-7	11.5	178
60	Ibotenic acid induced demyelination in the central nervous system: a consequence of a local inflammatory response. <i>Neuroscience Letters</i> , 1988 , 84, 178-84	3.3	177
59	Melanopsin contributions to irradiance coding in the thalamo-cortical visual system. <i>PLoS Biology</i> , 2010 , 8, e1000558	9.7	176
58	Complement factor H deficiency in aged mice causes retinal abnormalities and visual dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16651-6	11.5	169
57	Development of human embryonic stem cell therapies for age-related macular degeneration. <i>Trends in Neurosciences</i> , 2013 , 36, 385-95	13.3	128
56	Spectroscopic analysis of neural activity in brain: increased oxygen consumption following activation of barrel cortex. <i>NeuroImage</i> , 2000 , 12, 664-75	7.9	125
55	Spectroscopic analysis of changes in remitted illumination: the response to increased neural activity in brain. <i>NeuroImage</i> , 1999 , 10, 304-26	7.9	116
54	An investigation into the early stages of the inflammatory response following ibotenic acid-induced neuronal degeneration. <i>Neuroscience</i> , 1990 , 35, 121-32	3.9	108
53	Transplantation of Schwann cell line clones secreting GDNF or BDNF into the retinas of dystrophic Royal College of Surgeons rats. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 267-74		107
52	Translational read-through of the RP2 Arg120stop mutation in patient iPSC-derived retinal pigment epithelium cells. <i>Human Molecular Genetics</i> , 2015 , 24, 972-86	5.6	75

51	Presence of visual head tracking differentiates normal sighted from retinal degenerate mice. <i>Neuroscience Letters</i> , 2002 , 325, 21-4	3.3	67
50	Embryonic stem cells and retinal repair. <i>Mechanisms of Development</i> , 2007 , 124, 807-29	1.7	65
49	Regional expression of fos-like immunoreactivity following seizures induced by pentylenetetrazole and maximal electroshock. <i>Experimental Neurology</i> , 1992 , 118, 261-74	5.7	64
48	Hsp90 inhibition protects against inherited retinal degeneration. <i>Human Molecular Genetics</i> , 2014 , 23, 2164-75	5.6	60
47	The role of subicular outputs in the development of the partial reinforcement extinction effect. <i>Experimental Brain Research</i> , 1989 , 77, 153-60	2.3	57
46	Functional rescue of REP1 following treatment with PTC124 and novel derivative PTC-414 in human choroideremia fibroblasts and the nonsense-mediated zebrafish model. <i>Human Molecular Genetics</i> , 2016 , 25, 3416-3431	5.6	54
45	An evaluation of linear model analysis techniques for processing images of microcirculation activity. <i>NeuroImage</i> , 1998 , 7, 49-71	7.9	54
44	Dissecting a role for melanopsin in behavioural light aversion reveals a response independent of conventional photoreception. <i>PLoS ONE</i> , 2010 , 5, e15009	3.7	52
43	Expression and function of junctional adhesion molecule-C in myelinated peripheral nerves. <i>Science</i> , 2007 , 318, 1472-5	33.3	50
42	ROCK Inhibition Extends Passage of Pluripotent Stem Cell-Derived Retinal Pigmented Epithelium. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1066-78	6.9	49
41	Optokinetic test to evaluate visual acuity of each eye independently. <i>Journal of Neuroscience Methods</i> , 2004 , 138, 7-13	3	49
40	The heat-shock response co-inducer arimoclomol protects against retinal degeneration in rhodopsin retinitis pigmentosa. <i>Cell Death and Disease</i> , 2014 , 5, e1236	9.8	47
39	Cone photoreceptor definition on adaptive optics retinal imaging. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1073-9	5.5	43
38	Retinal transplant-mediated learning in a conditioned suppression task in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 7248-9	11.5	43
37	Light induced EEG desynchronization and behavioral arousal in rats with restored retinocollicular projection by peripheral nerve graft. <i>Neuroscience Letters</i> , 1996 , 218, 45-8	3.3	40
36	Complement factor h is critical in the maintenance of retinal perfusion. <i>American Journal of Pathology</i> , 2009 , 175, 412-21	5.8	38
35	Differentiation of an auditory neuronal cell line suitable for cell transplantation. <i>European Journal of Neuroscience</i> , 2005 , 22, 343-53	3.5	38
34	Arl3 and RP2 regulate the trafficking of ciliary tip kinesins. <i>Human Molecular Genetics</i> , 2017 , 26, 2480-2492	3.6	37

33	Long-term visual and microperimetry outcomes following autologous retinal pigment epithelium choroid graft for neovascular age-related macular degeneration. <i>Clinical and Experimental Ophthalmology</i> , 2009 , 37, 275-85	2.4	37
32	Array-based discovery of aptamer pairs. <i>Analytical Chemistry</i> , 2015 , 87, 821-8	7.8	34
31	Transplantation of syngeneic Schwann cells to the retina of the rhodopsin knockout (rho(-/-)) mouse. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3526-32		34
30	Progressing a human embryonic stem-cell-based regenerative medicine therapy towards the clinic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140375	5.8	33
29	Retinotopy within rat primary visual cortex using optical imaging. <i>NeuroImage</i> , 2005 , 24, 200-6	7.9	32
28	Nidek MP1 is able to detect subtle decline in function in inherited and age-related atrophic macular disease with stable visual acuity. <i>Retina</i> , 2011 , 31, 371-9	3.6	31
27	Detecting the world through a retinal implant. <i>Progress in Brain Research</i> , 1990 , 82, 269-75	2.9	29
26	Intraretinal transplantation to prevent photoreceptor degeneration. <i>Ophthalmic Research</i> , 1997 , 29, 305-19	2.9	26
25	Photoreceptor rescue after low-dose intravitreal IL-1beta injection in the RCS rat. <i>Experimental Eye Research</i> , 2001 , 73, 557-68	3.7	26
24	Preservation of visual cortical function following retinal pigment epithelium transplantation in the RCS rat using optical imaging techniques. <i>European Journal of Neuroscience</i> , 2007 , 25, 1940-8	3.5	24
23	Long-term outcomes following full macular translocation surgery in neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2010 , 94, 1337-43	5.5	23
22	Efficacy and Safety of Human Retinal Progenitor Cells. <i>Translational Vision Science and Technology</i> , 2016 , 5, 6	3.3	23
21	Constant illumination causes spatially discrete dopamine depletion in the normal and degenerate retina. <i>Journal of Chemical Neuroanatomy</i> , 2007 , 33, 9-22	3.2	18
20	iPS Cells for Modelling and Treatment of Retinal Diseases. <i>Journal of Clinical Medicine</i> , 2014 , 3, 1511-41	5.1	17
19	Changes in the pupillary light reflex of pigmented royal college of surgeons rats with Age. <i>Experimental Eye Research</i> , 1998 , 66, 719-30	3.7	17
18	The impact of intracerebral retinal transplants on types of behavior exhibited by host rats. <i>Trends in Neurosciences</i> , 1991 , 14, 358-62	13.3	17
17	Using Stem Cells to Model Diseases of the Outer Retina. <i>Computational and Structural Biotechnology Journal</i> , 2015 , 13, 382-9	6.8	16
16	A role for the outer retina in development of the intrinsic pupillary light reflex in mice. <i>Neuroscience</i> , 2015 , 286, 60-78	3.9	16

15	Using induced pluripotent stem cells to understand retinal ciliopathy disease mechanisms and develop therapies. <i>Biochemical Society Transactions</i> , 2016 , 44, 1245-1251	5.1	15
14	Nonsense-mediated mRNA decay efficiency varies in choroideremia providing a target to boost small molecule therapeutics. <i>Human Molecular Genetics</i> , 2019 , 28, 1865-1871	5.6	14
13	Degeneration of cortical function in the Royal College of Surgeons rat. <i>Vision Research</i> , 2011 , 51, 2176-85.1	5.1	14
12	Stem cell-derived retinal pigment epithelium transplantation for treatment of retinal disease. <i>Progress in Brain Research</i> , 2017 , 231, 225-244	2.9	14
11	Preservation and restoration of vision following transplantation. <i>Progress in Brain Research</i> , 2000 , 127, 489-99	2.9	12
10	Ibotenate-induced total septal lesions reduce resistance to extinction but spare the partial reinforcement extinction effect in the rat. <i>Experimental Brain Research</i> , 1989 , 77, 140-52	2.3	10
9	Science-based assessment of source materials for cell-based medicines: report of a stakeholders workshop. <i>Regenerative Medicine</i> , 2018 , 13, 935-944	2.5	10
8	Basal increase in c-Fos-like expression in superior colliculus of Royal College of Surgeons dystrophic rats can be abolished by intraocular injection of tetrodotoxin. <i>Neuroscience</i> , 2001 , 107, 109-15	3.9	9
7	Retrograde Melanopsin Signaling Increases With Age in Retinal Degenerate Mice Lacking Rods and the Majority of Cones 2016 , 57, 115-25		8
6	Vascular changes in diabetic retinopathy-a longitudinal study in the Nile rat. <i>Laboratory Investigation</i> , 2019 , 99, 1547-1560	5.9	6
5	Increased c-fos-like immunoreactivity in the superior colliculus and lateral geniculate nucleus of the rd mouse. <i>Brain Research</i> , 2004 , 1025, 220-5	3.7	5
4	Abnormal c-fos-like immunoreactivity in the superior colliculus and other subcortical visual centers of pigmented Royal College of Surgeons rats. <i>Journal of Comparative Neurology</i> , 2004 , 472, 100-12	3.4	4
3	Analysis of Optical Imaging Data Using Weak Models and ICA. <i>Perspectives in Neural Computing</i> , 2000 , 217-233		4
2	Stem Cell-Derived RPE Transplantation: The Feasibility and Advantages of Delivery as Monolayers 2017 , 19-31		
1	Assessments of Visual Function. <i>Neuromethods</i> , 2011 , 287-320	0.4	