

Peter John Coffey

List of Publications by Year in descending order

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68
papers

5,573
citations

94433

37
h-index

110387

64
g-index

74
all docs

74
docs citations

74
times ranked

5797
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	17.5	507
2	Face processing impairments after encephalitis: amygdala damage and recognition of fear. <i>Neuropsychologia</i> , 1998, 36, 59-70.	1.6	343
3	Multipotent Retinal Progenitors Express Developmental Markers, Differentiate into Retinal Neurons, and Preserve Light-Mediated Behavior. , 2004, 45, 4167.		310
4	Identification and Correction of Mechanisms Underlying Inherited Blindness in Human iPSC-Derived Optic Cups. <i>Cell Stem Cell</i> , 2016, 18, 769-781.	11.1	279
5	Elucidating the phenomenon of HESC-derived RPE: Anatomy of cell genesis, expansion and retinal transplantation. <i>Experimental Neurology</i> , 2008, 214, 347-361.	4.1	251
6	Melanopsin Contributions to Irradiance Coding in the Thalamo-Cortical Visual System. <i>PLoS Biology</i> , 2010, 8, e1000558.	5.6	226
7	Rapid and Efficient Directed Differentiation of Human Pluripotent Stem Cells Into Retinal Pigmented Epithelium. <i>Stem Cells Translational Medicine</i> , 2013, 2, 384-393.	3.3	225
8	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, 16651-16656.	7.1	201
9	Long-term preservation of cortically dependent visual function in RCS rats by transplantation. <i>Nature Neuroscience</i> , 2002, 5, 53-56.	14.8	194
10	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, 9942-9947.	7.1	189
11	Ibotenic acid induced demyelination in the central nervous system: A consequence of a local inflammatory response. <i>Neuroscience Letters</i> , 1988, 84, 178-184.	2.1	185
12	Development of human embryonic stem cell therapies for age-related macular degeneration. <i>Trends in Neurosciences</i> , 2013, 36, 385-395.	8.6	150
13	Spectroscopic Analysis of Neural Activity in Brain: Increased Oxygen Consumption Following Activation of Barrel Cortex. <i>NeuroImage</i> , 2000, 12, 664-675.	4.2	142
14	Spectroscopic Analysis of Changes in Remitted Illumination: The Response to Increased Neural Activity in Brain. <i>NeuroImage</i> , 1999, 10, 304-326.	4.2	141
15	An investigation into the early stages of the inflammatory response following ibotenic acid-induced neuronal degeneration. <i>Neuroscience</i> , 1990, 35, 121-132.	2.3	116
16	Transplantation of Schwann Cell Line Clones Secreting GDNF or BDNF into the Retinas of Dystrophic Royal College of Surgeons Rats. , 2004, 45, 267.		115
17	Translational read-through of the RP2 Arg120stop mutation in patient iPSC-derived retinal pigment epithelium cells. <i>Human Molecular Genetics</i> , 2015, 24, 972-986.	2.9	97
18	Regional expression of fos-like immunoreactivity following seizures induced by pentylenetetrazole and maximal electroshock. <i>Experimental Neurology</i> , 1992, 118, 261-274.	4.1	74

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19	Presence of visual head tracking differentiates normal sighted from retinal degenerate mice. <i>Neuroscience Letters</i> , 2002, 325, 21-24.	2.1	72
20	Embryonic stem cells and retinal repair. <i>Mechanisms of Development</i> , 2007, 124, 807-829.	1.7	71
21	Hsp90 inhibition protects against inherited retinal degeneration. <i>Human Molecular Genetics</i> , 2014, 23, 2164-2175.	2.9	70
22	Dissecting a Role for Melanopsin in Behavioural Light Aversion Reveals a Response Independent of Conventional Photoreception. <i>PLoS ONE</i> , 2010, 5, e15009.	2.5	69
23	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.	2.9	69
24	An Evaluation of Linear Model Analysis Techniques for Processing Images of Microcirculation Activity. <i>NeuroImage</i> , 1998, 7, 49-71.	4.2	67
25	The role of subicular outputs in the development of the partial reinforcement extinction effect. <i>Experimental Brain Research</i> , 1989, 77, 153-60.	1.5	60
26	ROCK Inhibition Extends Passage of Pluripotent Stem Cell-Derived Retinal Pigmented Epithelium. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1066-1078.	3.3	60
27	Arl3 and RP2 regulate the trafficking of ciliary tip kinesins. <i>Human Molecular Genetics</i> , 2017, 26, 2480-2492.	2.9	60
28	Optokinetic test to evaluate visual acuity of each eye independently. <i>Journal of Neuroscience Methods</i> , 2004, 138, 7-13.	2.5	59
29	Expression and Function of Junctional Adhesion Molecule-C in Myelinated Peripheral Nerves. <i>Science</i> , 2007, 318, 1472-1475.	12.6	55
30	Cone photoreceptor definition on adaptive optics retinal imaging. <i>British Journal of Ophthalmology</i> , 2014, 98, 1073-1079.	3.9	55
31	The heat-shock response co-inducer arimoclomol protects against retinal degeneration in rhodopsin retinitis pigmentosa. <i>Cell Death and Disease</i> , 2014, 5, e1236-e1236.	6.3	54
32	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, 7248-7249.	7.1	51
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, 275-285.	2.6	46
34	Complement Factor H Is Critical in the Maintenance of Retinal Perfusion. <i>American Journal of Pathology</i> , 2009, 175, 412-421.	3.8	45
35	Light induced EEG desynchronization and behavioral arousal in rats with restored retinocollicular projection by peripheral nerve graft. <i>Neuroscience Letters</i> , 1996, 218, 45-48.	2.1	44
36	Differentiation of an auditory neuronal cell line suitable for cell transplantation. <i>European Journal of Neuroscience</i> , 2005, 22, 343-353.	2.6	41

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37	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.	4.0	40
38	Retinotopy within rat primary visual cortex using optical imaging. <i>NeuroImage</i> , 2005, 24, 200-206.	4.2	39
39	Array-based Discovery of Aptamer Pairs. <i>Analytical Chemistry</i> , 2015, 87, 821-828.	6.5	39
40	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, 371-379.	1.7	37
41	Transplantation of Syngeneic Schwann Cells to the Retina of the Rhodopsin Knockout (Rho ^{-/-}) Mouse. , 2003, 44, 3526.		35
42	Chapter 30 Detecting the world through a retinal implant. <i>Progress in Brain Research</i> , 1990, 82, 269-275.	1.4	30
43	Efficacy and Safety of Human Retinal Progenitor Cells. <i>Translational Vision Science and Technology</i> , 2016, 5, 6.	2.2	29
44	Intraretinal Transplantation to Prevent Photoreceptor Degeneration. <i>Ophthalmic Research</i> , 1997, 29, 305-319.	1.9	27
45	Photoreceptor rescue after low-dose intravitreal IL-1 β Injection in the RCS Rat. <i>Experimental Eye Research</i> , 2001, 73, 557-568.	2.6	26
46	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, 1940-1948.	2.6	26
47	Long-term outcomes following full macular translocation surgery in neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , 2010, 94, 1337-1343.	3.9	26
48	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.	2.9	25
49	A role for the outer retina in development of the intrinsic pupillary light reflex in mice. <i>Neuroscience</i> , 2015, 286, 60-78.	2.3	24
50	Using Stem Cells to Model Diseases of the Outer Retina. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 382-389.	4.1	23
51	Constant illumination causes spatially discrete dopamine depletion in the normal and degenerate retina. <i>Journal of Chemical Neuroanatomy</i> , 2007, 33, 9-22.	2.1	20
52	The impact of intracerebral retinal transplants on types of behavior exhibited by host rats. <i>Trends in Neurosciences</i> , 1991, 14, 358-362.	8.6	19
53	Changes in the Pupillary Light Reflex of Pigmented Royal College of Surgeons Rats with Age. <i>Experimental Eye Research</i> , 1998, 66, 719-730.	2.6	19
54	iPS Cells for Modelling and Treatment of Retinal Diseases. <i>Journal of Clinical Medicine</i> , 2014, 3, 1511-1541.	2.4	19

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55	Vascular changes in diabetic retinopathy—a longitudinal study in the Nile rat. <i>Laboratory Investigation</i> , 2019, 99, 1547-1560.	3.7	19
56	Degeneration of cortical function in the Royal College of Surgeons rat. <i>Vision Research</i> , 2011, 51, 2176-2185.	1.4	18
57	Using induced pluripotent stem cells to understand retinal ciliopathy disease mechanisms and develop therapies. <i>Biochemical Society Transactions</i> , 2016, 44, 1245-1251.	3.4	18
58	Stem cell-derived retinal pigment epithelium transplantation for treatment of retinal disease. <i>Progress in Brain Research</i> , 2017, 231, 225-244.	1.4	18
59	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.	1.5	12
60	Chapter 23 Preservation and restoration of vision following transplantation. <i>Progress in Brain Research</i> , 2000, 127, 489-499.	1.4	12
61	Science-based assessment of source materials for cell-based medicines: report of a stakeholders workshop. <i>Regenerative Medicine</i> , 2018, 13, 935-944.	1.7	12
62	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, 109-115.	2.3	11
63	Retrograde Melanopsin Signaling Increases With Age in Retinal Degenerate Mice Lacking Rods and the Majority of Cones. , 2016, 57, 115.		11
64	Increased c-fos-like immunoreactivity in the superior colliculus and lateral geniculate nucleus of the rd mouse. <i>Brain Research</i> , 2004, 1025, 220-225.	2.2	6
65	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, 100-112.	1.6	4
66	The junctional adhesion molecule (JAM)-C is required for maintaining the integrity and function of myelinated peripheral nerves. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 431-432.	1.7	0
67	Seeing again through ancient eyes: microbial opsins and the promise of restoring vision. <i>Expert Review of Ophthalmology</i> , 2011, 6, 585-588.	0.6	0
68	Stem Cell-Derived RPE Transplantation: The Feasibility and Advantages of Delivery as Monolayers. , 2017, , 19-31.		0