Peter L Oliver

List of Publications by Year
in descending order

79	11,976	94269 37	71532 76
papers	citations	h-index	g-index

80	80	80	20212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution and Functions of Long Noncoding RNAs. Cell, 2009, 136, 629-641.	13.5	4,480
2	Mouse genomic variation and its effect on phenotypes and gene regulation. Nature, 2011, 477, 289-294.	13.7	1,461
3	A Functional Genetic Link between Distinct Developmental Language Disorders. New England Journal of Medicine, 2008, 359, 2337-2345.	13.9	626
4	ROS Generation in Microglia: Understanding Oxidative Stress and Inflammation in Neurodegenerative Disease. Antioxidants, 2020, 9, 743.	2.2	427
5	Mutations in Î±-Tubulin Cause Abnormal Neuronal Migration in Mice and Lissencephaly in Humans. Cell, 2007, 128, 45-57.	13.5	397
6	Genomic and Transcriptional Co-Localization of Protein-Coding and Long Non-Coding RNA Pairs in the Developing Brain. PLoS Genetics, 2009, 5, e1000617.	1.5	354
7	The mixed-lineage leukemia fusion partner AF4 stimulates RNA polymerase II transcriptional elongation and mediates coordinated chromatin remodeling. Human Molecular Genetics, 2007, 16, 92-106.	1.4	278
8	A Transcriptomic Atlas of Mouse Neocortical Layers. Neuron, 2011, 71, 605-616.	3.8	266
9	Accelerated Evolution of the Prdm9 Speciation Gene across Diverse Metazoan Taxa. PLoS Genetics, 2009, 5, e1000753.	1.5	256
10	Foxp2 Regulates Gene Networks Implicated in Neurite Outgrowth in the Developing Brain. PLoS Genetics, 2011, 7, e1002145.	1.5	256
11	Long noncoding RNA genes: conservation of sequence and brain expression among diverse amniotes. Genome Biology, 2010, 11, R72.	13.9	215
12	The long non-coding RNA Paupar regulates the expression of both local and distal genes. EMBO Journal, 2014, 33, 296-311.	3.5	195
13	A point mutation in TRPC3 causes abnormal Purkinje cell development and cerebellar ataxia in moonwalker mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6706-6711.	3.3	187
14	Identification and Characterization of Murine SCARA5, a Novel Class A Scavenger Receptor That Is Expressed by Populations of Epithelial Cells. Journal of Biological Chemistry, 2006, 281, 11834-11845.	1.6	136
15	Oxr1 Is Essential for Protection against Oxidative Stress-Induced Neurodegeneration. PLoS Genetics, 2011, 7, e1002338.	1.5	130
16	A dominant mutation in Snap25 causes impaired vesicle trafficking, sensorimotor gating, and ataxia in the blind-drunk mouse. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2431-2436.	3.3	109
17	Sexual Selection and the Adaptive Evolution of Mammalian Ejaculate Proteins. Molecular Biology and Evolution, 2007, 25, 207-219.	3.5	109
18	TBC1D24 genotypeâ€“phenotype correlation. Neurology, 2016, 87, 77-85.	1.5	97

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19	Evaluating the links between schizophrenia and sleep and circadian rhythm disruption. Journal of Neural Transmission, 2012, 119, 1061-1075.	1.4	92
20	Chronic Activation of Î³2 AMPK Induces Obesity and Reduces Î² Cell Function. Cell Metabolism, 2016, 23, 821-836.	7.2	87
21	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. Current Biology, 2012, 22, 314-319.	1.8	86
22	Cross-talking noncoding RNAs contribute to cell-specific neurodegeneration in SCA7. Nature Structural and Molecular Biology, 2014, 21, 955-961.	3.6	79
23	Behavioural characterization of neuregulin 1 type I overexpressing transgenic mice. NeuroReport, 2009, 20, 1523-1528.	0.6	77
24	The Regulatory Factor ZFHX3 Modifies Circadian Function in SCN via an AT Motif-Driven Axis. Cell, 2015, 162, 607-621.	13.5	74
25	Neuron-specific antioxidant OXR1 extends survival of a mouse model of amyotrophic lateral sclerosis. Brain, 2015, 138, 1167-1181.	3.7	72
26	Interaction between environmental and genetic factors modulates schizophrenic endophenotypes in the Snap-25 mouse mutant blind-drunk. Human Molecular Genetics, 2009, 18, 4576-4589.	1.4	68
27	A Mutation inAf4Is Predicted to Cause Cerebellar Ataxia and Cataracts in the Robotic Mouse. Journal of Neuroscience, 2003, 23, 1631-1637.	1.7	66
28	Temporal transcriptomics suggest that twin-peaking genes reset the clock. ELife, 2015, 4, .	2.8	64
29	Chondrolectin affects cell survival and neuronal outgrowth in in vitro and in vivo models of spinal muscular atrophy. Human Molecular Genetics, 2014, 23, 855-869.	1.4	62
30	Single-copy expression of an amyotrophic lateral sclerosis-linked TDP-43 mutation (M337V) in BAC transgenic mice leads to altered stress granule dynamics and progressive motor dysfunction. Neurobiology of Disease, 2019, 121, 148-162.	2.1	62
31	Stereotypic wheel running decreases cortical activity in mice. Nature Communications, 2016, 7, 13138.	5.8	60
32	Oxr1 improves pathogenic cellular features of ALS-associated FUS and TDP-43 mutations. Human Molecular Genetics, 2015, 24, 3529-3544.	1.4	50
33	HspB8 mutation causing hereditary distal motor neuropathy impairs lysosomal delivery of autophagosomes. Journal of Neurochemistry, 2011, 119, 1155-1161.	2.1	49
34	The Evolutionarily Conserved Tre2/Bub2/Cdc16 (TBC), Lysin Motif (LysM), Domain Catalytic (TLDc) Domain Is Neuroprotective against Oxidative Stress. Journal of Biological Chemistry, 2016, 291, 2751-2763.	1.6	48
35	TLDc proteins: new players in the oxidative stress response and neurological disease. Mammalian Genome, 2017, 28, 395-406.	1.0	48
36	Mediation of Af4 protein function in the cerebellum by Siah proteins. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14901-14906.	3.3	46

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37	Region-specific deficits in dopamine, but not norepinephrine, signaling in a novel A30P Î±-synuclein BAC transgenic mouse. Neurobiology of Disease, 2014, 62, 193-207.	2.1	46
38	SNARE proteins and schizophrenia: linking synaptic and neurodevelopmental hypotheses.. Acta Biochimica Polonica, 2008, 55, 619-628.	0.3	38
39	The Interconnected Mechanisms of Oxidative Stress and Neuroinflammation in Epilepsy. Antioxidants, 2022, 11, 157.	2.2	36
40	The epilepsy-associated protein TBC1D24 is required for normal development, survival and vesicle trafficking in mammalian neurons. Human Molecular Genetics, 2019, 28, 584-597.	1.4	35
41	Identification of a New Pmp22 Mouse Mutant and Trafficking Analysis of a Pmp22 Allelic Series Suggesting That Protein Aggregates May Be Protective in Pmp22-Associated Peripheral Neuropathy. Molecular and Cellular Neurosciences, 2002, 21, 114-125.	1.0	34
42	Disruption ofVisc-2, a Brain-Expressed Conserved Long Noncoding RNA, Does Not Elicit an Overt Anatomical or Behavioral Phenotype. Cerebral Cortex, 2015, 25, 3572-3585.	1.6	30
43	The antioxidant protein Oxr1 influences aspects of mitochondrial morphology. Free Radical Biology and Medicine, 2016, 95, 255-267.	1.3	30
44	Absent sleep EEG spindle activity in GluA1 (Gria1) knockout mice: relevance to neuropsychiatric disorders. Translational Psychiatry, 2018, 8, 154.	2.4	29
45	Impairment of Macroautophagy in Dopamine Neurons Has Opposing Effects on Parkinsonian Pathology and Behavior. Cell Reports, 2019, 29, 920-931.e7.	2.9	29
46	New insights into behaviour using mouse ENU mutagenesis. Human Molecular Genetics, 2012, 21, R72-R81.	1.4	27
47	Laf4/Aff3, a Gene Involved in Intellectual Disability, Is Required for Cellular Migration in the Mouse Cerebral Cortex. PLoS ONE, 2014, 9, e105933.	1.1	25
48	The mutant Moonwalker TRPC3 channel links calcium signaling to lipid metabolism in the developing cerebellum. Human Molecular Genetics, 2015, 24, 4114-4125.	1.4	24
49	Behavioural characterisation of the robotic mouse mutant. Behavioural Brain Research, 2007, 181, 239-247.	1.2	23
50	Oxidation resistance 1 regulates post-translational modifications of peroxiredoxin 2 in the cerebellum. Free Radical Biology and Medicine, 2019, 130, 151-162.	1.3	23
51	The Ncoa7 locus regulates V-ATPase formation and function, neurodevelopment and behaviour. Cellular and Molecular Life Sciences, 2021, 78, 3503-3524.	2.4	23
52	Comparative genetic analysis: the utility of mouse genetic systems for studying human monogenic disease. Mammalian Genome, 2007, 18, 412-424.	1.0	22
53	AF4 Is a Critical Regulator of the IGF-1 Signaling Pathway during Purkinje Cell Development. Journal of Neuroscience, 2009, 29, 15366-15374.	1.7	22
54	Early microgliosis precedes neuronal loss and behavioural impairment in mice with a frontotemporal dementia-causing CHMP2B mutation. Human Molecular Genetics, 2017, 26, ddx003.	1.4	22

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55	Loss of Frrs1l disrupts synaptic AMPA receptor function, and results in neurodevelopmental, motor, cognitive and electrographical abnormalities. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	22
56	Genetic Analysis of Gv1 , a Gene Controlling Transcription of Endogenous Murine Polytropic Proviruses. Journal of Virology, 1999, 73, 8227-8234.	1.5	22
57	Expression profiling in spinal muscular atrophy reveals an RNA binding protein deficit. Neuromuscular Disorders, 2004, 14, 711-722.	0.3	19
58	Identification and characterisation of a Maf1/Macoco protein complex that interacts with GABAA receptors in neurons. Molecular and Cellular Neurosciences, 2010, 44, 330-341.	1.0	19
59	Neuronal over-expression of Oxr1 is protective against ALS-associated mutant TDP-43 mislocalisation in motor neurons and neuromuscular defects in vivo. Human Molecular Genetics, 2019, 28, 3584-3599.	1.4	19
60	SNARE proteins and schizophrenia: linking synaptic and neurodevelopmental hypotheses. Acta Biochimica Polonica, 2008, 55, 619-28.	0.3	19
61	Human-Mouse Quantitative Trait Locus Concordance and the Dissection of a Human Neuroticism Locus. Biological Psychiatry, 2008, 63, 874-883.	0.7	17
62	Limitations to adaptive homeostasis in an hyperoxia-induced model of accelerated ageing. Redox Biology, 2019, 24, 101194.	3.9	17
63	Challenges of Analysing Gene-Environment Interactions in Mouse Models of Schizophrenia. Scientific World Journal, The, 2011, 11, 1411-1420.	0.8	16
64	A Novel Mouse Model of a Patient Mucolipidosis II Mutation Recapitulates Disease Pathology. Journal of Biological Chemistry, 2014, 289, 26709-26721.	1.6	16
65	Targeted deletion of the Ncoa7 gene results in incomplete distal renal tubular acidosis in mice. American Journal of Physiology - Renal Physiology, 2018, 315, F173-F185.	1.3	15
66	Analysis of human neurological disorders using mutagenesis in the mouse. Clinical Science, 2005, 108, 385-397.	1.8	14
67	Oxidation Resistance 1 Modulates Glycolytic Pathways in the Cerebellum via an Interaction with Glucose-6-Phosphate Isomerase. Molecular Neurobiology, 2019, 56, 1558-1577.	1.9	14
68	Increased 4R tau expression and behavioural changes in a novel MAPT-N296H genomic mouse model of tauopathy. Scientific Reports, 2017, 7, 43198.	1.6	13
69	Deletion of AMPA receptor GluA1 subunit gene (Gria1) causes circadian rhythm disruption and aberrant responses to environmental cues. Translational Psychiatry, 2021, 11, 588.	2.4	13
70	Behavioural Characterisation of Macrod1 and Macrod2 Knockout Mice. Cells, 2021, 10, 368.	1.8	9
71	Zfhx3-mediated genetic ablation of the SCN abolishes light entrainable circadian activity while sparing food anticipatory activity. IScience, 2021, 24, 103142.	1.9	7
72	Circadian profiling in two mouse models of lysosomal storage disorders; Niemann Pick type-C and Sandhoff disease. Behavioural Brain Research, 2016, 297, 213-223.	1.2	6

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73	Brain, Know Thy Transcriptome, Know Thyself. Neuron, 2012, 75, 543-545.	3.8	3
74	Gv1, a Zinc Finger Gene Controlling Endogenous MLV Expression. Molecular Biology and Evolution, 2021, 38, 2468-2474.	3.5	3
75	SNAP25 mutation disrupts metabolic homeostasis, steroid hormone production and central neurobehavior. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166304.	1.8	3
76	Genomic and Post- Genomic Tools for Studying Synapse Biology. Frontiers in Neuroscience, 2006, , 279-306.	0.0	0
77	Robotic Mouse. , 2013, , 1481-1497.		0
78	Robotic Mouse. , 2020, , 1-18.		0
79	Robotic Mouse. , 2022, , 1667-1684.		0