

Amy Bernard

List of Publications by Year in Descending Order

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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.

71
papers

15,599
citations

40
h-index

78
g-index

78
ext. papers

21,206
ext. citations

20.7
avg, IF

5.18
L-index

#	Paper	IF	Citations
71	Local connectivity and synaptic dynamics in mouse and human neocortex.. <i>Science</i> , 2022 , 375, eabj5861	33.3	7
70	International data governance for neuroscience.. <i>Neuron</i> , 2021 ,	13.9	4
69	Anatomical structures, cell types and biomarkers of the Human Reference Atlas. <i>Nature Cell Biology</i> , 2021 , 23, 1117-1128	23.4	6
68	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021 , 598, 151-158	50.4	21
67	Cellular resolution anatomical and molecular atlases for prenatal human brains. <i>Journal of Comparative Neurology</i> , 2021 ,	3.4	1
66	Single-cell and single-nucleus RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates, and humans. <i>ELife</i> , 2021 , 10,	8.9	6
65	Survey of spiking in the mouse visual system reveals functional hierarchy. <i>Nature</i> , 2021 , 592, 86-92	50.4	58
64	The Allen Mouse Brain Common Coordinate Framework: A 3D Reference Atlas. <i>Cell</i> , 2020 , 181, 936-953	57.2	191
63	Transcriptomic evidence that von Economo neurons are regionally specialized extratelencephalic-projecting excitatory neurons. <i>Nature Communications</i> , 2020 , 11, 1172	17.4	31
62	International Brain Initiative: An Innovative Framework for Coordinated Global Brain Research Efforts. <i>Neuron</i> , 2020 , 105, 212-216	13.9	23
61	Common cell type nomenclature for the mammalian brain. <i>ELife</i> , 2020 , 9,	8.9	15
60	A large-scale standardized physiological survey reveals functional organization of the mouse visual cortex. <i>Nature Neuroscience</i> , 2020 , 23, 138-151	25.5	94
59	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019 , 573, 61-68	50.4	569
58	Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019 , 22, 1182-1195	25.5	160
57	Hierarchical organization of cortical and thalamic connectivity. <i>Nature</i> , 2019 , 575, 195-202	50.4	155
56	An anatomic transcriptional atlas of human glioblastoma. <i>Science</i> , 2018 , 360, 660-663	33.3	189
55	Single-nucleus and single-cell transcriptomes compared in matched cortical cell types. <i>PLoS ONE</i> , 2018 , 13, e0209648	3.7	199

54	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. <i>Science</i> , 2018 , 362,	33.3	277
53	Shared and distinct transcriptomic cell types across neocortical areas. <i>Nature</i> , 2018 , 563, 72-78	50.4	674
52	Organization of the connections between claustrum and cortex in the mouse. <i>Journal of Comparative Neurology</i> , 2017 , 525, spc1-spc1	3.4	0
51	Diverse Central Projection Patterns of Retinal Ganglion Cells. <i>Cell Reports</i> , 2017 , 18, 2058-2072	10.6	111
50	Neuropathological and transcriptomic characteristics of the aged brain. <i>ELife</i> , 2017 , 6,	8.9	50
49	Organization of the connections between claustrum and cortex in the mouse. <i>Journal of Comparative Neurology</i> , 2017 , 525, 1317-1346	3.4	91
48	Author response: Neuropathological and transcriptomic characteristics of the aged brain 2017 ,		3
47	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , 2016 , 524, Spc1-Spc1	3.4	4
46	A comprehensive transcriptional map of primate brain development. <i>Nature</i> , 2016 , 535, 367-75	50.4	217
45	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , 2016 , 524, 3127-481	3.4	174
44	Adult mouse cortical cell taxonomy revealed by single cell transcriptomics. <i>Nature Neuroscience</i> , 2016 , 19, 335-46	25.5	1007
43	Inferring cortical function in the mouse visual system through large-scale systems neuroscience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7337-44	11.5	55
42	Effects of Chronic Sleep Restriction during Early Adolescence on the Adult Pattern of Connectivity of Mouse Secondary Motor Cortex. <i>ENeuro</i> , 2016 , 3,	3.9	14
41	Correlated gene expression and target specificity demonstrate excitatory projection neuron diversity. <i>Cerebral Cortex</i> , 2015 , 25, 433-49	5.1	90
40	Spatiotemporal dynamics of the postnatal developing primate brain transcriptome. <i>Human Molecular Genetics</i> , 2015 , 24, 4327-39	5.6	28
39	Canonical genetic signatures of the adult human brain. <i>Nature Neuroscience</i> , 2015 , 18, 1832-44	25.5	301
38	Neuroinformatics of the Allen Mouse Brain Connectivity Atlas. <i>Methods</i> , 2015 , 73, 4-17	4.6	119
37	A mesoscale connectome of the mouse brain. <i>Nature</i> , 2014 , 508, 207-14	50.4	1380

36	Transcriptional landscape of the prenatal human brain. <i>Nature</i> , 2014 , 508, 199-206	50.4	797
35	Control of stress-induced persistent anxiety by an extra-amygdala septohypothalamic circuit. <i>Cell</i> , 2014 , 156, 522-36	56.2	147
34	Systematic comparison of adeno-associated virus and biotinylated dextran amine reveals equivalent sensitivity between tracers and novel projection targets in the mouse brain. <i>Journal of Comparative Neurology</i> , 2014 , 522, 1989-2012	3.4	32
33	A high-resolution spatiotemporal atlas of gene expression of the developing mouse brain. <i>Neuron</i> , 2014 , 83, 309-323	13.9	159
32	Anatomical characterization of Cre driver mice for neural circuit mapping and manipulation. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 76	3.5	254
31	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014 , 346, 1256846	33.3	283
30	Highly multiplexed subcellular RNA sequencing in situ. <i>Science</i> , 2014 , 343, 1360-3	33.3	631
29	Conserved molecular signatures of neurogenesis in the hippocampal subgranular zone of rodents and primates. <i>Development (Cambridge)</i> , 2013 , 140, 4633-44	6.6	53
28	Darkfield adapter for whole slide imaging: adapting a darkfield internal reflection illumination system to extend WSI applications. <i>PLoS ONE</i> , 2013 , 8, e58344	3.7	10
27	Transcriptional architecture of the primate neocortex. <i>Neuron</i> , 2012 , 73, 1083-99	13.9	170
26	Large-scale cellular-resolution gene profiling in human neocortex reveals species-specific molecular signatures. <i>Cell</i> , 2012 , 149, 483-96	56.2	241
25	An anatomically comprehensive atlas of the adult human brain transcriptome. <i>Nature</i> , 2012 , 489, 391-399	50.4	1525
24	Visual tuning properties of genetically identified layer 2/3 neuronal types in the primary visual cortex of cre-transgenic mice. <i>Frontiers in Systems Neuroscience</i> , 2011 , 4, 162	3.5	48
23	Cell-type-specific consequences of Reelin deficiency in the mouse neocortex, hippocampus, and amygdala. <i>Journal of Comparative Neurology</i> , 2011 , 519, 2061-89	3.4	65
22	Surface-based mapping of gene expression and probabilistic expression maps in the mouse cortex. <i>Methods</i> , 2010 , 50, 55-62	4.6	16
21	Areal and laminar differentiation in the mouse neocortex using large scale gene expression data. <i>Methods</i> , 2010 , 50, 113-21	4.6	34
20	Shifting the paradigm: new approaches for characterizing and classifying neurons. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 530-6	7.6	26
19	An anatomic gene expression atlas of the adult mouse brain. <i>Nature Neuroscience</i> , 2009 , 12, 356-62	25.5	207

18	Notch regulation of progenitor cell behavior in quiescent and regenerating auditory epithelium of mature birds. <i>Developmental Biology</i> , 2009 , 326, 86-100	3.1	78
17	Genomic anatomy of the hippocampus. <i>Neuron</i> , 2008 , 60, 1010-21	13.9	278
16	Genome-wide atlas of gene expression in the adult mouse brain. <i>Nature</i> , 2007 , 445, 168-76	50.4	3675
15	The requirement of tyrosines 579 and 581 for maximal ligand-dependent activation of the betaPDGFR is influenced by noncytoplasmic regions of the receptor. <i>Experimental Cell Research</i> , 2001 , 265, 80-9	4.2	
14	Phosphospecific antibodies reveal temporal regulation of platelet-derived growth factor beta receptor signaling. <i>Experimental Cell Research</i> , 1999 , 253, 704-12	4.2	15
13	Selective isolation of transiently transfected cells from a mammalian cell population with vectors expressing a membrane anchored single-chain antibody. <i>Journal of Immunological Methods</i> , 1996 , 193, 17-27	2.5	77
12	The Wilms tumour gene WT1 is expressed in murine mesoderm-derived tissues and mutated in a human mesothelioma. <i>Nature Genetics</i> , 1993 , 4, 415-20	36.3	185
11	Inactivation of WT1 in nephrogenic rests, genetic precursors to Wilmsctumour. <i>Nature Genetics</i> , 1993 , 5, 363-7	36.3	132
10	Human cortical expansion involves diversification and specialization of supragranular intratelencephalic-projecting neurons		19
9	Single-cell RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates and humans		2
8	Shared and distinct transcriptomic cell types across neocortical areas		13
7	Equivalent high-resolution identification of neuronal cell types with single-nucleus and single-cell RNA-sequencing		
6	The organization of intracortical connections by layer and cell class in the mouse brain		23
5	Classification of electrophysiological and morphological types in mouse visual cortex		7
4	Conserved cell types with divergent features between human and mouse cortex		14
3	A survey of spiking activity reveals a functional hierarchy of mouse corticothalamic visual areas		32
2	Local Connectivity and Synaptic Dynamics in Mouse and Human Neocortex		3
1	Anatomical Structures, Cell Types, and Biomarkers Tables Plus 3D Reference Organs in Support of a Human Reference Atlas		2

