

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.

31 papers	3,443 citations	21 h-index	45 g-index
45 ext. papers	3,952 ext. citations	10.9 avg, IF	4.66 L-index

#	Paper	IF	Citations
31	Transgenic strategies for combinatorial expression of fluorescent proteins in the nervous system. <i>Nature</i> , <b>2007</b> , 450, 56-62	50.4	1346
30	Semaphorin 3E and plexin-D1 control vascular pattern independently of neuropilins. <i>Science</i> , <b>2005</b> , 307, 265-8	33.3	415
29	A technicolour approach to the connectome. <i>Nature Reviews Neuroscience</i> , <b>2008</b> , 9, 417-22	13.5	254
28	ETS gene Pea3 controls the central position and terminal arborization of specific motor neuron pools. <i>Neuron</i> , <b>2002</b> , 35, 877-92	13.9	200
27	Gating of Sema3E/PlexinD1 signaling by neuropilin-1 switches axonal repulsion to attraction during brain development. <i>Neuron</i> , <b>2007</b> , 56, 807-22	13.9	194
26	Multicolor two-photon tissue imaging by wavelength mixing. <i>Nature Methods</i> , <b>2012</b> , 9, 815-8	21.6	122
25	Developmental bias in cleavage-stage mouse blastomeres. <i>Current Biology</i> , <b>2013</b> , 23, 21-31	6.3	113
24	Multiplex cell and lineage tracking with combinatorial labels. <i>Neuron</i> , <b>2014</b> , 81, 505-20	13.9	112
23	Neuronal defects in the hindbrain of Hoxa1, Hoxb1 and Hoxb2 mutants reflect regulatory interactions among these Hox genes. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 5663-79	6.6	96
22	Multicolor Brainbow imaging in zebrafish. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, pdb.prot5546	1.2	60
21	A semaphorin code defines subpopulations of spinal motor neurons during mouse development. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 1767-76	3.5	53
20	Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 12	16.7	52
19	Multicolor multiscale brain imaging with chromatic multiphoton serial microscopy. <i>Nature Communications</i> , <b>2019</b> , 10, 1662	17.4	49
18	Adult Neural Stem Cells and Multiciliated Ependymal Cells Share a Common Lineage Regulated by the Geminin Family Members. <i>Neuron</i> , <b>2019</b> , 102, 159-172.e7	13.9	49
17	Sparse and combinatorial neuron labelling. <i>Current Opinion in Neurobiology</i> , <b>2012</b> , 22, 101-10	7.6	40
16	Cortical astrocytes develop in a plastic manner at both clonal and cellular levels. <i>Nature Communications</i> , <b>2019</b> , 10, 4884	17.4	38
15	Bimodal behaviour of interfollicular epidermal progenitors regulated by hair follicle position and cycling. <i>EMBO Journal</i> , <b>2016</b> , 35, 2658-2670	13	32

14	Role of neurotrophic factors in motoneuron development. <i>Journal of Physiology (Paris)</i> , <b>1998</b> , 92, 279-81		32
13	A dynamic regulation of GDNF-family receptors correlates with a specific trophic dependency of cranial motor neuron subpopulations during development. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 446-56	3.5	31
12	Generating and imaging multicolor Brainbow mice. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 763-9	1.2	29
11	All-fiber femtosecond laser providing 9 nJ, 50 MHz pulses at 1650 nm for three-photon microscopy. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 065506	1.7	26
10	Multicolor analysis of oligodendrocyte morphology, interactions, and development with Brainbow. <i>Glia</i> , <b>2015</b> , 63, 699-717	9	20
9	Concise review: understanding clonal dynamics in homeostasis and injury through multicolor lineage tracing. <i>Stem Cells</i> , <b>2014</b> , 32, 3046-54	5.8	20
8	Responsiveness to neurturin of subpopulations of embryonic rat spinal motoneuron does not correlate with expression of GFR alpha 1 or GFR alpha 2. <i>Developmental Dynamics</i> , <b>2001</b> , 220, 189-97	2.9	16
7	Direct Readout of Neural Stem Cell Transgenesis with an Integration-Coupled Gene Expression Switch. <i>Neuron</i> , <b>2020</b> , 107, 617-630.e6	13.9	10
6	Generation and imaging of Brainbow mice. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 851-6	1.2	10
5	The intellectual disability protein Oligophrenin-1 controls astrocyte morphology and migration. <i>Glia</i> , <b>2020</b> , 68, 1729-1742	9	3
4	Etv1 Controls the Establishment of Non-overlapping Motor Innervation of Neighboring Facial Muscles during Development. <i>Cell Reports</i> , <b>2019</b> , 29, 437-452.e4	10.6	3
3	A stable proportion of Purkinje cell inputs from parallel fibers are silent during cerebellar maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
2	nAdder: A scale-space approach for the 3D analysis of neuronal traces		2
1	In Utero Electroporation of Multiaddressable Genome-Integrating Color (MAGIC) Markers to Individualize Cortical Mouse Astrocytes. <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	1