

Transgenic strategies for combinatorial expression of fl nervous system

Nature

450, 56-62

DOI: [10.1038/nature06293](https://doi.org/10.1038/nature06293)

Citation Report

#	ARTICLE	IF	CITATIONS
9	New Tools for Genome Modification in Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2007, 1, 600-602.	5.2	5
11	Brainbow Brite. <i>Neuroscience Gateway</i> , 2007, , .	0.0	0
14	Circuit reconstruction tools today. <i>Current Opinion in Neurobiology</i> , 2007, 17, 601-608.	2.0	60
15	A future for systems and computational neuroscience in France?. <i>Journal of Physiology (Paris)</i> , 2007, 101, 1-8.	2.1	2
16	Genetically encoded fluorescent sensors of membrane potential. <i>Brain Cell Biology</i> , 2008, 36, 53-67.	3.5	83
17	Molecular imaging with nanoparticles: giant roles for dwarf actors. <i>Histochemistry and Cell Biology</i> , 2008, 130, 845-875.	0.8	227
18	3D and 4D imaging of immune cells in vitro and in vivo. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1053-1062.	0.8	19
19	Imaging stem-cell-driven regeneration in mammals. <i>Nature</i> , 2008, 453, 345-351.	13.7	182
20	Functional Assessments of the Rodent Facial Nerve: A Synkinesis Model. <i>Laryngoscope</i> , 2008, 118, 1744-1749.	1.1	39
21	Imaging in vivo: watching the brain in action. <i>Nature Reviews Neuroscience</i> , 2008, 9, 195-205.	4.9	386
22	A technicolour approach to the connectome. <i>Nature Reviews Neuroscience</i> , 2008, 9, 417-422.	4.9	293
24	Ex vivo imaging of motor axon dynamics in murine triangularis sterni explants. <i>Nature Protocols</i> , 2008, 3, 1645-1653.	5.5	30
25	Development of neural stem cell in the adult brain. <i>Current Opinion in Neurobiology</i> , 2008, 18, 108-115.	2.0	278
26	Synaptic clustering by dendritic signalling mechanisms. <i>Current Opinion in Neurobiology</i> , 2008, 18, 321-331.	2.0	220
27	3D structural imaging of the brain with photons and electrons. <i>Current Opinion in Neurobiology</i> , 2008, 18, 633-641.	2.0	154
28	Advances in the speed and resolution of light microscopy. <i>Current Opinion in Neurobiology</i> , 2008, 18, 605-616.	2.0	117
29	Chapter 10 In Vivo Measurements of Blood Flow and Glial Cell Function with Two-Photon Laser-Scanning Microscopy. <i>Methods in Enzymology</i> , 2008, 444, 231-254.	0.4	38
30	Temporal control of neuronal diversity: common regulatory principles in insects and vertebrates?. <i>Development (Cambridge)</i> , 2008, 135, 3481-3489.	1.2	87

#	ARTICLE	IF	CITATIONS
31	Fluorescent protein tools for studying protein dynamics in living cells: a review. <i>Journal of Biomedical Optics</i> , 2008, 13, 031202.	1.4	60
32	Genetically encoded fluorescent sensors for studying healthy and diseased nervous systems. <i>Drug Discovery Today: Disease Models</i> , 2008, 5, 27-35.	1.2	10
33	Chapter 11 Imaging Fluorescent Mice In Vivo Using Confocal Microscopy. <i>Methods in Cell Biology</i> , 2008, 89, 309-327.	0.5	10
34	Genetically Encoded Calcium Indicators. <i>Chemical Reviews</i> , 2008, 108, 1550-1564.	23.0	264
35	Genetic Dissection of Neural Circuits. <i>Neuron</i> , 2008, 57, 634-660.	3.8	714
36	Seeing Circuits Assemble. <i>Neuron</i> , 2008, 60, 441-448.	3.8	24
37	The astrocyte odyssey. <i>Progress in Neurobiology</i> , 2008, 86, 342-67.	2.8	428
38	Bright Ideas for Chemical Biology. <i>ACS Chemical Biology</i> , 2008, 3, 142-155.	1.6	1,085
39	Bioimage informatics: a new area of engineering biology. <i>Bioinformatics</i> , 2008, 24, 1827-1836.	1.8	298
40	Visual Technologies. <i>American Biology Teacher</i> , 2008, 70, 241-245.	0.1	0
41	Optical systems for single cell analyses. <i>Expert Opinion on Drug Discovery</i> , 2008, 3, 1323-1344.	2.5	12
42	Glial imaging during synapse remodeling at the neuromuscular junction. <i>Neuron Glia Biology</i> , 2008, 4, 319-326.	2.0	3
43	Facial Reanimation. <i>Archives of Facial Plastic Surgery</i> , 2008, 10, 413-417.	0.8	17
44	Lysosomal Activity Associated with Developmental Axon Pruning. <i>Journal of Neuroscience</i> , 2008, 28, 8993-9001.	1.7	93
45	Transgenic models of nerve repair and nerve regeneration. <i>Neurological Research</i> , 2008, 30, 1023-1029.	0.6	7
46	Visual Technologies. <i>American Biology Teacher</i> , 2008, 70, 241-245.	0.1	1
47	How To Record a Million Synaptic Weights in a Hippocampal Slice. <i>PLoS Computational Biology</i> , 2008, 4, e1000098.	1.5	7
48	MRI Reporter Genes. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1905-1908.	2.8	109

#	ARTICLE	IF	CITATIONS
49	The network and the synapse: 100 years after Cajal. <i>HFSP Journal</i> , 2008, 2, 12-16.	2.5	5
50	Fast fluorescence microscopy for imaging the dynamics of embryonic development. <i>HFSP Journal</i> , 2008, 2, 143-155.	2.5	76
51	Facial Paralysis: Research and Future Directions. <i>Facial Plastic Surgery</i> , 2008, 24, 260-267.	0.5	26
52	Geometric constraints on neuronal connectivity facilitate a concise synaptic adhesive code. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9278-9283.	3.3	11
53	Chapter 5 Imaging in Depth. <i>Methods in Cell Biology</i> , 2008, 89, 95-128.	0.5	10
54	The 2008 Nobel Chemistry Prize honors the development of a fluorescent tag for bioscience. <i>Physics Today</i> , 2008, 61, 20-22.	0.3	3
55	Conditional Gene Expression and Targeting in Neuroscience Research. <i>Current Protocols in Neuroscience</i> , 2008, 44, Unit 4.31.	2.6	14
56	NEURAL CONNECTIVITY MAPS. <i>Neurosurgery</i> , 2008, 62, 1359-1360.	0.6	1
57	Imaging In Mice With Fluorescent Proteins: From Macro To Subcellular. <i>Sensors</i> , 2008, 8, 1157-1173.	2.1	18
58	Over the rainbow: 25 years of confocal imaging. <i>BioTechniques</i> , 2008, 44, 643-648.	0.8	20
59	Genetically-Directed, Cell Type-Specific Sparse Labeling for the Analysis of Neuronal Morphology. <i>PLoS ONE</i> , 2008, 3, e4099.	1.1	68
60	Strategies for identifying exact structure of neural circuits with broad light microscopy connectivity probes. <i>Nature Precedings</i> , 2008, , .	0.1	2
61	Semi-Automated Reconstruction of Neural Processes from Large Numbers of Fluorescence Images. <i>PLoS ONE</i> , 2009, 4, e5655.	1.1	55
62	Inducible gene manipulations in serotonergic neurons. <i>Frontiers in Molecular Neuroscience</i> , 2009, 2, 24.	1.4	34
63	Strategies for recovering exact structure of neural circuits with broadly targeted fluorescent connectivity probes. <i>Nature Precedings</i> , 2009, , .	0.1	0
64	The Development of Developmental Neuroscience. <i>Journal of Neuroscience</i> , 2009, 29, 12735-12747.	1.7	9
65	PiggyBac transgenic strategies in the developing chicken spinal cord. <i>Nucleic Acids Research</i> , 2009, 37, e141-e141.	6.5	54
66	Current and Future Applications of Transcriptomics for Discovery in CNS Disease and Injury. <i>NeuroSignals</i> , 2009, 17, 311-327.	0.5	14

#	ARTICLE	IF	CITATIONS
67	Chapter 1 Genetic Dissection of Neural Circuits and Behavior in <i>Mus musculus</i> . <i>Advances in Genetics</i> , 2009, 65, 1-38.	0.8	34
68	The Human Brain Network. <i>World Scientific Lecture Notes in Complex Systems</i> , 2009, , 199-216.	0.1	2
69	Novel Internal Regions of Fluorescent Proteins Undergo Divergent Evolutionary Patterns. <i>Molecular Biology and Evolution</i> , 2009, 26, 2841-2848.	3.5	7
70	The Interscutularis Muscle Connectome. <i>PLoS Biology</i> , 2009, 7, e1000032.	2.6	96
71	Grand challenges in organismal biology. <i>Integrative and Comparative Biology</i> , 2009, 49, 7-14.	0.9	115
72	Live-imaging fluorescent proteins in mouse embryos: multi-dimensional, multi-spectral perspectives. <i>Trends in Biotechnology</i> , 2009, 27, 266-276.	4.9	59
73	Programmed cell death in the nervous system— a programmed cell fate?. <i>Current Opinion in Neurobiology</i> , 2009, 19, 127-133.	2.0	22
74	Genetic and optical targeting of neural circuits and behavior— zebrafish in the spotlight. <i>Current Opinion in Neurobiology</i> , 2009, 19, 553-560.	2.0	96
75	Shifting the paradigm: new approaches for characterizing and classifying neurons. <i>Current Opinion in Neurobiology</i> , 2009, 19, 530-536.	2.0	28
76	Getting a grip on Thy-1 signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 921-923.	1.9	57
77	Fluorescent proteins for live cell imaging: Opportunities, limitations, and challenges. <i>IUBMB Life</i> , 2009, 61, 1029-1042.	1.5	216
78	Viral strategies for studying the brain, including a replication—restricted self—amplifying delta—G vesicular stomatitis virus that rapidly expresses transgenes in brain and can generate a multicolor golgi—like expression. <i>Journal of Comparative Neurology</i> , 2009, 516, 456-481.	0.9	49
79	Dual transgene strategy for live visualization of chromatin and plasma membrane dynamics in murine embryonic stem cells and embryonic tissues. <i>Genesis</i> , 2009, 47, 330-336.	0.8	36
80	Autometallographic enhancement of the Golgi-Cox staining enables high resolution visualization of dendrites and spines. <i>Histochemistry and Cell Biology</i> , 2009, 132, 369-374.	0.8	14
81	The challenge of predicting optical properties of biomolecules: What can we learn from time-dependent density-functional theory?. <i>Comptes Rendus Physique</i> , 2009, 10, 469-490.	0.3	22
82	Imaging cancer dynamics in—vivo at the tumor and cellular level with fluorescent proteins. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 345-355.	1.7	61
83	The Central Role of Neuroinformatics in the National Academy of Engineering—™s Grandest Challenge: Reverse Engineer the Brain. <i>Neuroinformatics</i> , 2009, 7, 1-5.	1.5	18
84	Astrocytes going live: advances and challenges. <i>Journal of Physiology</i> , 2009, 587, 1639-1647.	1.3	84

#	ARTICLE	IF	CITATIONS
85	Expression of transgenes in midbrain dopamine neurons using the tyrosine hydroxylase promoter. <i>Gene Therapy</i> , 2009, 16, 437-440.	2.3	49
86	Parvalbumin neurons and gamma rhythms enhance cortical circuit performance. <i>Nature</i> , 2009, 459, 698-702.	13.7	2,258
87	Molecular genetics and imaging technologies for circuit-based neuroanatomy. <i>Nature</i> , 2009, 461, 900-907.	13.7	82
88	Neuroscience: Making connections. <i>Nature</i> , 2009, 457, 524-527.	13.7	30
89	Photons pushed together. <i>Nature</i> , 2009, 460, 42-44.	13.7	19
90	The not-so-odd couple. <i>Nature</i> , 2009, 460, 44-45.	13.7	6
91	Putting neurons on the map. <i>Nature</i> , 2009, 461, 1150-1152.	13.7	15
92	A genetically encoded reporter of synaptic activity in vivo. <i>Nature Methods</i> , 2009, 6, 883-889.	9.0	202
93	Using movies to analyse gene circuit dynamics in single cells. <i>Nature Reviews Microbiology</i> , 2009, 7, 383-392.	13.6	220
94	Complex brain networks: graph theoretical analysis of structural and functional systems. <i>Nature Reviews Neuroscience</i> , 2009, 10, 186-198.	4.9	9,369
95	Experience-dependent structural synaptic plasticity in the mammalian brain. <i>Nature Reviews Neuroscience</i> , 2009, 10, 647-658.	4.9	1,569
96	Neuroculture. <i>Nature Reviews Neuroscience</i> , 2009, 10, 815-821.	4.9	65
97	Comparative molecular neuroanatomy of mammalian neocortex: What can gene expression tell us about areas and layers?. <i>Development Growth and Differentiation</i> , 2009, 51, 343-354.	0.6	20
98	Feeding signals and brain circuitry. <i>European Journal of Neuroscience</i> , 2009, 30, 1688-1696.	1.2	121
99	The Gal4/UAS toolbox in zebrafish: new approaches for defining behavioral circuits. <i>Journal of Neurochemistry</i> , 2009, 110, 441-456.	2.1	60
100	Determinants of regional and local diversity within the astroglial lineage of the normal central nervous system. <i>Journal of Neurochemistry</i> , 2009, 110, 1717-1736.	2.1	85
101	Detection of the optimal neuron traces in confocal microscopy images. <i>Journal of Neuroscience Methods</i> , 2009, 178, 197-204.	1.3	50
102	Transcriptional targeting to brain cells: Engineering cell type-specific promoter containing cassettes for enhanced transgene expression. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 589-602.	6.6	19

#	ARTICLE	IF	CITATIONS
103	Transgenic and Genetic Animal Models. , 2009, , 2673-2709.		1
104	Fluorescent Protein Tracking and Detection: Applications Using Fluorescent Proteins in Living Cells. Cold Spring Harbor Protocols, 2009, 2009, pdb.top64.	0.2	41
105	Mammalian neuromuscular junctions: modern tools to monitor synaptic form and function. Current Opinion in Pharmacology, 2009, 9, 297-305.	1.7	14
106	Fighting Fat with Fat: The Expanding Field of Adipose Stem Cells. Cell Stem Cell, 2009, 5, 472-481.	5.2	89
107	A role for Melanin-Concentrating Hormone in learning and memory. Peptides, 2009, 30, 2066-2070.	1.2	51
108	Advances in Light Microscopy for Neuroscience. Annual Review of Neuroscience, 2009, 32, 435-506.	5.0	269
109	Blind Source Separation Techniques for the Decomposition of Multiply Labeled Fluorescence Images. Biophysical Journal, 2009, 96, 3791-3800.	0.2	113
110	Activity Correlation Imaging: Visualizing Function and Structure of Neuronal Populations. Biophysical Journal, 2009, 96, 3801-3809.	0.2	44
111	The fluorescent protein palette: tools for cellular imaging. Chemical Society Reviews, 2009, 38, 2887.	18.7	711
113	Spectral Unmixing: Analysis of Performance in the Olfactory Bulb In Vivo. PLoS ONE, 2009, 4, e4418.	1.1	28
114	GFP: from jellyfish to the Nobel prize and beyond. Chemical Society Reviews, 2009, 38, 2823.	18.7	150
115	The Human Connectome. , 2009, , 309-332.		12
116	Chapter 3 Mapping and Manipulating Neural Circuits in the Fly Brain. Advances in Genetics, 2009, 65, 79-143.	0.8	96
117	mwr Xer site-specific recombination is hypersensitive to DNA supercoiling. Nucleic Acids Research, 2009, 37, 3580-3587.	6.5	15
118	Two-Photon Functional Imaging of Neuronal Activity. Frontiers in Neuroscience, 2009, , 37-58.	0.0	9
119	Alzheimer's Disease Selective Vulnerability and Modeling in Transgenic Mice. Journal of Alzheimer's Disease, 2009, 18, 243-251.	1.2	29
120	ULTRASHORT PULSE MULTISPECTRAL NON-LINEAR OPTICAL MICROSCOPY. Journal of Innovative Optical Health Sciences, 2009, 02, 27-35.	0.5	3
121	Rodent Facial Nerve Recovery after Selected Lesions and Repair Techniques. Plastic and Reconstructive Surgery, 2010, 125, 99-109.	0.7	129

#	ARTICLE	IF	CITATIONS
122	Camillo Golgi, Nobel Laureate: The Olfactory Bulb. Archives of General Psychiatry, 2010, 67, 983.	13.8	0
123	Morphology of Hippocampal Neurons. , 2010, , 27-67.		18
125	Advanced optical imaging in living embryos. Cellular and Molecular Life Sciences, 2010, 67, 3489-3497.	2.4	12
126	Intravital microscopy: a novel tool to study cell biology in living animals. Histochemistry and Cell Biology, 2010, 133, 481-491.	0.8	109
127	Rapid and Noninvasive Imaging of Retinal Ganglion Cells in Live Mouse Models of Glaucoma. Molecular Imaging and Biology, 2010, 12, 386-393.	1.3	6
128	High content screening: seeing is believing. Trends in Biotechnology, 2010, 28, 237-245.	4.9	356
129	Establishment of a Cre/loxP recombination system for N-terminal epitope tagging of genes in Tetrahymena. BMC Microbiology, 2010, 10, 191.	1.3	17
130	"Color Timer" mice: visualization of neuronal differentiation with fluorescent proteins. Molecular Brain, 2010, 3, 5.	1.3	11
131	Microbial rhodopsins in the spotlight. Current Opinion in Neurobiology, 2010, 20, 610-616.	2.0	41
132	Semi-automated reconstruction of neural circuits using electron microscopy. Current Opinion in Neurobiology, 2010, 20, 667-675.	2.0	152
133	Circuit Neuroscience in Zebrafish. Current Biology, 2010, 20, R371-R381.	1.8	181
134	Genetic labeling of both the axons of transduced, glutamatergic neurons in rat postrhinal cortex and their postsynaptic neurons in other neocortical areas by Herpes Simplex Virus vectors that coexpress an axon-targeted Î²-galactosidase and wheat germ agglutinin from a vesicular glutamate transporter-1 promoter. Brain Research. 2010. 1361. 1-11.	1.1	9
135	Morphology and dynamics of perisynaptic glia. Brain Research Reviews, 2010, 63, 11-25.	9.1	213
136	Fiberâ€œoptic probes for <i>in vivo</i> depthâ€œresolved neuronâ€œactivity mapping. Journal of Biophotonics, 2010, 3, 660-669.	1.1	16
137	Advances in cellular, subcellular, and nanoscale imaging in vitro and in vivo. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 667-676.	1.1	54
138	The role of BDNF and its receptors in depression and antidepressant drug action: Reactivation of developmental plasticity. Developmental Neurobiology, 2010, 70, 289-297.	1.5	725
139	GAP43 phosphorylation, is critical for growth and branching, of retinotectal arbors in zebrafish. Developmental Neurobiology, 2010, 70, n/a-n/a.	1.5	35
140	Signalling mechanisms regulating axonal branching <i>in vivo</i>. BioEssays, 2010, 32, 977-985.	1.2	67

#	ARTICLE	IF	CITATIONS
141	Multispectral fingerprinting for improved in vivo cell dynamics analysis. BMC Developmental Biology, 2010, 10, 101.	2.1	9
142	Novel molecular imaging platform for monitoring oncological kinases. Cancer Cell International, 2010, 10, 23.	1.8	7
143	Phylogenetic analysis of developmental and postnatal mouse cell lineages. Evolution & Development, 2010, 12, 84-94.	1.1	34
144	Review: Neuromuscular synaptic vulnerability in motor neurone disease: amyotrophic lateral sclerosis and spinal muscular atrophy. Neuropathology and Applied Neurobiology, 2010, 36, 133-156.	1.8	123
145	Photo- and bio-physical characterization of novel violet and near-infrared lipophilic fluorophores for neuronal tracing. Journal of Microscopy, 2010, 239, 117-134.	0.8	16
146	Coronary arteries form by developmental reprogramming of venous cells. Nature, 2010, 464, 549-553.	13.7	476
147	A decade of chemical biology. Nature Chemical Biology, 2010, 6, 847-854.	3.9	36
148	Illuminating emergent activity in the immune system by real-time imaging. Nature Immunology, 2010, 11, 554-557.	7.0	9
149	A robust and high-throughput Cre reporting and characterization system for the whole mouse brain. Nature Neuroscience, 2010, 13, 133-140.	7.1	5,650
150	Thinned-skull cranial window technique for long-term imaging of the cortex in live mice. Nature Protocols, 2010, 5, 201-208.	5.5	386
151	Targeted optogenetic stimulation and recording of neurons in vivo using cell-type-specific expression of Channelrhodopsin-2. Nature Protocols, 2010, 5, 247-254.	5.5	477
152	Mapping the life histories of T cells. Nature Reviews Immunology, 2010, 10, 621-631.	10.6	50
154	Long-range connectivity of mouse primary somatosensory barrel cortex. European Journal of Neuroscience, 2010, 31, 2221-2233.	1.2	285
155	On optical detection of densely labeled synapses in neuropil and mapping connectivity with combinatorially multiplexed fluorescent synaptic markers. Nature Precedings, 2010, , .	0.1	0
156	The neonatal synaptic big bang. , 0, , 71-84.		11
158	Optogenetic deconstruction of sleep-wake circuitry in the brain. Frontiers in Molecular Neuroscience, 2010, 2, 31.	1.4	47
159	High resolution measurement of the glycolytic rate. Frontiers in Neuroenergetics, 2010, 2, .	5.3	120
160	Integrative understanding of emergent brain properties, quantum brain hypotheses and connectome alterations in dementia are key challenges to conquer Alzheimer's disease. Frontiers in Neurology, 2010, 1, 15.	1.1	10

#	ARTICLE	IF	CITATIONS
161	NeuronBank: a tool for cataloging neuronal circuitry. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 9.	1.2	14
162	Evaluation of recombinant adenovirus-mediated gene delivery for expression of tracer genes in catecholaminergic neurons. <i>Anatomy and Cell Biology</i> , 2010, 43, 157.	0.5	2
163	Fluorescent Reporter Proteins. , 2010, , 3-40.		4
164	The origin and fate of yolk sac hematopoiesis: application of chimera analyses to developmental studies. <i>International Journal of Developmental Biology</i> , 2010, 54, 1019-1031.	0.3	40
165	Matrix-Binding Vascular Endothelial Growth Factor (VEGF) Isoforms Guide Granule Cell Migration in the Cerebellum via VEGF Receptor Flk1. <i>Journal of Neuroscience</i> , 2010, 30, 15052-15066.	1.7	75
166	Neuronal network analyses: premises, promises and uncertainties. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2315-2328.	1.8	28
167	Shining light into the black box of spinal locomotor networks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2383-2395.	1.8	31
168	Algorithms for automated DNA assembly. <i>Nucleic Acids Research</i> , 2010, 38, 2607-2616.	6.5	51
170	Gene transfer in the nervous system and implications for transsynaptic neuronal tracing. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 763-772.	1.4	19
171	Intrinsic Functional Connectivity As a Tool For Human Connectomics: Theory, Properties, and Optimization. <i>Journal of Neurophysiology</i> , 2010, 103, 297-321.	0.9	1,667
172	<i>In Vivo</i> Development of Outer Retinal Synapses in the Absence of Glial Contact. <i>Journal of Neuroscience</i> , 2010, 30, 11951-11961.	1.7	52
173	Wiring the Brain: The Biology of Neuronal Guidance. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a001917-a001917.	2.3	125
174	Applications of Avian Transgenesis. <i>ILAR Journal</i> , 2010, 51, 353-361.	1.8	28
175	Microtomographic Analysis of Neuronal Circuits of Human Brain. <i>Cerebral Cortex</i> , 2010, 20, 1739-1748.	1.6	35
176	Neurocartography. <i>Neuropsychopharmacology</i> , 2010, 35, 342-343.	2.8	25
177	Mechanisms driving neural crest induction and migration in the zebrafish and <i>Xenopus laevis</i> . <i>Cell Adhesion and Migration</i> , 2010, 4, 595-608.	1.1	34
178	Self-avoidance and Tiling: Mechanisms of Dendrite and Axon Spacing. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a001750-a001750.	2.3	142
179	Sensory Experience and Cortical Rewiring. <i>Neuroscientist</i> , 2010, 16, 186-198.	2.6	79

#	ARTICLE	IF	CITATIONS
180	Survival and Immunogenicity of Mesenchymal Stem Cells From the Green Fluorescent Protein Transgenic Rat in the Adult Rat Brain. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 645-656.	1.4	42
181	Genetic Fate Mapping Using Site-Specific Recombinases. <i>Methods in Enzymology</i> , 2010, 477, 153-181.	0.4	29
182	Chondroitin sulfate demarcates astrocytic territories in the mammalian cerebral cortex. <i>Neuroscience Letters</i> , 2010, 483, 67-72.	1.0	16
183	Advanced microscopy techniques for quantitative analysis in neuromorphology and neuropathology research: current status and requirements for the future. <i>Journal of Chemical Neuroanatomy</i> , 2010, 40, 199-209.	1.0	13
184	Intestinal Crypt Homeostasis Results from Neutral Competition between Symmetrically Dividing Lgr5 Stem Cells. <i>Cell</i> , 2010, 143, 134-144.	13.5	1,679
185	The discovery of central monoamine neurons gave volume transmission to the wired brain. <i>Progress in Neurobiology</i> , 2010, 90, 82-100.	2.8	242
186	Melanopsin-Expressing Retinal Ganglion-Cell Photoreceptors: Cellular Diversity and Role in Pattern Vision. <i>Neuron</i> , 2010, 67, 49-60.	3.8	544
187	Targeting Single Neuronal Networks for Gene Expression and Cell Labeling In Vivo. <i>Neuron</i> , 2010, 67, 562-574.	3.8	196
188	Ultrastructural Analysis of Hippocampal Neuropil from the Connectomics Perspective. <i>Neuron</i> , 2010, 67, 1009-1020.	3.8	261
189	Minimum neuron density for synchronized bursts in a rat cortical culture on multi-electrode arrays. <i>Neuroscience</i> , 2010, 171, 50-61.	1.1	74
190	Tissue-Resident Adult Stem Cell Populations of Rapidly Self-Renewing Organs. <i>Cell Stem Cell</i> , 2010, 7, 656-670.	5.2	307
191	The role of mucin-type O-glycans in eukaryotic development. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 616-621.	2.3	65
192	Fluorescent Proteins and Their Applications in Imaging Living Cells and Tissues. <i>Physiological Reviews</i> , 2010, 90, 1103-1163.	13.1	1,175
193	Fluorescence Microscopy: A Concise Guide to Current Imaging Methods. <i>Current Protocols in Neuroscience</i> , 2010, 50, Unit2.1.	2.6	95
194	Developmental genetics of vertebrate glial cell specification. <i>Nature</i> , 2010, 468, 214-222.	13.7	561
195	Herpesviruses carrying a Brainbow cassette reveal replication and expression of limited numbers of incoming genomes. <i>Nature Communications</i> , 2010, 1, 146.	5.8	94
196	Making and Using Transgenic Organisms. , 2010, , 243-262.		1
197	Imaging the Brain with Optical Methods. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
198	A synthetic three-color scaffold for monitoring genetic regulation and noise. <i>Journal of Biological Engineering</i> , 2010, 4, 10.	2.0	67
199	Fluorescent labeling of membrane proteins on the surface of living cells by a self-catalytic glutathione S-transferase omega 1 tag. <i>Molecular BioSystems</i> , 2011, 7, 1270.	2.9	6
200	Modelling of High-Level Structures and Communications Associated with Thought Processes and Related Tasks. , 2011, , .		1
201	The Big and the Small: Challenges of Imaging the Brain's Circuits. <i>Science</i> , 2011, 334, 618-623.	6.0	352
202	Automated reconstruction of neuronal morphology: An overview. <i>Brain Research Reviews</i> , 2011, 67, 94-102.	9.1	135
203	Genomic Analysis at the Single-Cell Level. <i>Annual Review of Genetics</i> , 2011, 45, 431-445.	3.2	187
204	Single cell detection of latent cytomegalovirus reactivation in host tissue. <i>Journal of General Virology</i> , 2011, 92, 1279-1291.	1.3	50
205	Optogenetic Probing of Hypocretins' Regulation of Wakefulness. , 2011, , 129-137.		0
207	High-accuracy neurite reconstruction for high-throughput neuroanatomy. <i>Nature Neuroscience</i> , 2011, 14, 1081-1088.	7.1	256
208	Advanced Zebrafish Transgenesis with Tol2 and Application for Cre/lox Recombination Experiments. <i>Methods in Cell Biology</i> , 2011, 104, 173-194.	0.5	44
209	Multicolor Brainbow Imaging in Zebrafish. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot5546-pdb.prot5546.	0.2	65
212	In Vivo Clonal Analysis Reveals Self-Renewing and Multipotent Adult Neural Stem Cell Characteristics. <i>Cell</i> , 2011, 145, 1142-1155.	13.5	749
213	Intravital Imaging. <i>Cell</i> , 2011, 147, 983-991.	13.5	439
214	Tracing Cells for Tracking Cell Lineage and Clonal Behavior. <i>Developmental Cell</i> , 2011, 21, 394-409.	3.1	125
215	Simultaneous visualization of multiple neuronal properties with single-cell resolution in the living rodent brain. <i>Molecular and Cellular Neurosciences</i> , 2011, 48, 246-257.	1.0	39
216	Fate Restriction and Multipotency in Retinal Stem Cells. <i>Cell Stem Cell</i> , 2011, 9, 553-562.	5.2	83
217	Dissecting functional connectivity of neuronal microcircuits: experimental and theoretical insights. <i>Trends in Neurosciences</i> , 2011, 34, 225-236.	4.2	159
218	Adult Neurogenesis in the Mammalian Brain: Significant Answers and Significant Questions. <i>Neuron</i> , 2011, 70, 687-702.	3.8	2,193

#	ARTICLE	IF	CITATIONS
219	New Rabies Virus Variants for Monitoring and Manipulating Activity and Gene Expression in Defined Neural Circuits. <i>Neuron</i> , 2011, 71, 617-631.	3.8	296
220	Role of Astrocytes in Neurovascular Coupling. <i>Neuron</i> , 2011, 71, 782-797.	3.8	347
221	Genetic Manipulation of Genes and Cells in the Nervous System of the Fruit Fly. <i>Neuron</i> , 2011, 72, 202-230.	3.8	395
222	Slide preparation for single-cell resolution imaging of fluorescent proteins in their three-dimensional near-native environment. <i>Nature Protocols</i> , 2011, 6, 1221-1228.	5.5	34
223	Generation of melanocytes from neural crest cells. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 411-421.	1.5	136
224	Modelling melanoma in mice. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 1158-1176.	1.5	42
225	Are We There Yet? A Story About Cardiac Stem Cells. , 0, , .		0
226	Tracing Activity Across the Whole Brain Neural Network with Optogenetic Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 21.	1.3	18
227	Multiscale Exploration of Mouse Brain Microstructures Using the Knife-Edge Scanning Microscope Brain Atlas. <i>Frontiers in Neuroinformatics</i> , 2011, 5, 29.	1.3	26
228	Projection Neuron Circuits Resolved Using Correlative Array Tomography. <i>Frontiers in Neuroscience</i> , 2011, 5, 50.	1.4	42
229	A Non-Specific Effect Associated with Conditional Transgene Expression Based on Cre-loxP Strategy in Mice. <i>PLoS ONE</i> , 2011, 6, e18778.	1.1	23
230	A Dual Infection Pseudorabies Virus Conditional Reporter Approach to Identify Projections to Collateralized Neurons in Complex Neural Circuits. <i>PLoS ONE</i> , 2011, 6, e21141.	1.1	50
231	Characterization of Fluorescent Eye Markers for Mammalian Transgenic Studies. <i>PLoS ONE</i> , 2011, 6, e29486.	1.1	9
232	The connectome project. <i>Xrds</i> , 2011, 18, 8-13.	0.2	2
233	A Bayesian approach for inferring neuronal connectivity from calcium fluorescent imaging data. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	79
234	Dil-Labeling of DRG Neurons to Study Axonal Branching in a Whole Mount Preparation of Mouse Embryonic Spinal Cord. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	25
235	Cortex sparing fiber dissection: an improved method for the study of white matter anatomy in the human brain. <i>Journal of Anatomy</i> , 2011, 219, 531-541.	0.9	134
236	Ferretting out stem cells from their niches. <i>Nature Cell Biology</i> , 2011, 13, 513-518.	4.6	80

#	ARTICLE	IF	CITATIONS
237	RGB marking facilitates multicolor clonal cell tracking. <i>Nature Medicine</i> , 2011, 17, 504-509.	15.2	134
238	Profiling metabolites and peptides in single cells. <i>Nature Methods</i> , 2011, 8, S20-S29.	9.0	311
239	Drosophila Brainbow: a recombinase-based fluorescence labeling technique to subdivide neural expression patterns. <i>Nature Methods</i> , 2011, 8, 253-259.	9.0	205
240	Flybow: genetic multicolor cell labeling for neural circuit analysis in <i>Drosophila melanogaster</i> . <i>Nature Methods</i> , 2011, 8, 260-266.	9.0	206
241	A microprobe for parallel optical and electrical recordings from single neurons in vivo. <i>Nature Methods</i> , 2011, 8, 319-325.	9.0	141
242	Clonal interrogation of stem cells. <i>Nature Methods</i> , 2011, 8, S36-S40.	9.0	34
243	Double Brainbow. <i>Nature Methods</i> , 2011, 8, 217-218.	9.0	6
244	The future of model organisms in human disease research. <i>Nature Reviews Genetics</i> , 2011, 12, 575-582.	7.7	66
245	Tracking adult stem cells. <i>EMBO Reports</i> , 2011, 12, 113-122.	2.0	163
246	The human connectome: a complex network. <i>Annals of the New York Academy of Sciences</i> , 2011, 1224, 109-125.	1.8	1,134
247	Localization of presynaptic inputs on dendrites of individually labeled neurons in three dimensional space using a center distance algorithm. <i>Journal of Neuroscience Methods</i> , 2011, 200, 129-143.	1.3	6
248	In situ agarose-carbomer hydrogel polycondensation: A chemical approach to regenerative medicine. <i>Materials Letters</i> , 2011, 65, 1688-1692.	1.3	21
249	Brain tumor-initiating cells and cells of origin in glioblastoma. <i>Translational Neuroscience</i> , 2011, 2, .	0.7	3
250	Understanding the role of TDP-43 and FUS/TLS in ALS and beyond. <i>Current Opinion in Neurobiology</i> , 2011, 21, 904-919.	2.0	308
251	Multi-Input RNAi-Based Logic Circuit for Identification of Specific Cancer Cells. <i>Science</i> , 2011, 333, 1307-1311.	6.0	744
252	Scale: a chemical approach for fluorescence imaging and reconstruction of transparent mouse brain. <i>Nature Neuroscience</i> , 2011, 14, 1481-1488.	7.1	1,096
253	Intravital microscopy as a tool to study drug delivery in preclinical studies. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 119-128.	6.6	66
254	Investigating the genetics of visual processing, function and behaviour in zebrafish. <i>Neurogenetics</i> , 2011, 12, 97-116.	0.7	20

#	ARTICLE	IF	CITATIONS
255	Correlative microscopy: A powerful tool for exploring neurological cells and tissues. <i>Micron</i> , 2011, 42, 773-792.	1.1	29
256	The DIADEM Data Sets: Representative Light Microscopy Images of Neuronal Morphology to Advance Automation of Digital Reconstructions. <i>Neuroinformatics</i> , 2011, 9, 143-157.	1.5	128
257	Neuronal Tracing for Connectomic Studies. <i>Neuroinformatics</i> , 2011, 9, 159-166.	1.5	39
258	Principal Curves as Skeletons of Tubular Objects. <i>Neuroinformatics</i> , 2011, 9, 181-191.	1.5	77
259	Automated Tracing of Neurites from Light Microscopy Stacks of Images. <i>Neuroinformatics</i> , 2011, 9, 263-278.	1.5	87
260	Lost in elimination: mechanisms of axonal loss. <i>E-Neuroforum</i> , 2011, 17, 21-34.	0.2	13
261	The receptors for gibbon ape leukemia virus and amphotropic murine leukemia virus are not downregulated in productively infected cells. <i>Retrovirology</i> , 2011, 8, 53.	0.9	10
262	Dynamic lineage analysis of embryonic morphogenesis using transgenic quail and 4D multispectral imaging. <i>Genesis</i> , 2011, 49, 619-643.	0.8	17
263	Reconstruction of complete connectivity matrix for connectomics by sampling neural connectivity with fluorescent synaptic markers. <i>Journal of Neuroscience Methods</i> , 2011, 196, 289-302.	1.3	9
264	Serial sectioning for examination of photoreceptor cell architecture by focused ion beam technology. <i>Journal of Neuroscience Methods</i> , 2011, 198, 70-76.	1.3	13
265	Efficient large core fiber-based detection for multi-channel two-photon fluorescence microscopy and spectral unmixing. <i>Journal of Neuroscience Methods</i> , 2011, 198, 172-180.	1.3	19
266	Imaging of T cells expressing chimeric antigen receptors. <i>Immunotherapy</i> , 2011, 3, 1411-1414.	1.0	3
267	SynCAM1, a Synaptic Adhesion Molecule, Is Expressed in Astrocytes and Contributes to erbB4 Receptor-Mediated Control of Female Sexual Development. <i>Endocrinology</i> , 2011, 152, 2364-2376.	1.4	38
268	A crosstalk tolerated neural segmentation methodology for Brainbow images. , 2011, , .		3
269	Transgenic mice: beyond the knockout. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F291-F300.	1.3	21
270	Generating and Imaging Multicolor Brainbow Mice. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.top114-pdb.top114.	0.2	30
271	Choosing a Mouse Model: Experimental Biology in Context--The Utility and Limitations of Mouse Models of Breast Cancer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a009670-a009670.	2.3	55
272	The Architecture of Functional Interaction Networks in the Retina. <i>Journal of Neuroscience</i> , 2011, 31, 3044-3054.	1.7	79

#	ARTICLE	IF	CITATIONS
274	Getting the whole picture: combining throughput with content in microscopy. <i>Journal of Cell Science</i> , 2011, 124, 3743-3751.	1.2	40
275	Spatial constraints dictate glial territories at murine neuromuscular junctions. <i>Journal of Cell Biology</i> , 2011, 195, 293-305.	2.3	47
276	Distinct Cell-Autonomous Functions of <i>RETINOBLASTOMA-RELATED</i> in <i>Arabidopsis</i> Stem Cells Revealed by the Brother of Brainbow Clonal Analysis System. <i>Plant Cell</i> , 2011, 23, 2581-2591.	3.1	49
277	Neuronal subtype specification in the spinal cord of a protovertebrate. <i>Development (Cambridge)</i> , 2011, 138, 995-1004.	1.2	67
278	Generation and Imaging of Brainbow Mice. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot5632-pdb.prot5632.	0.2	13
279	Transcranial Two-Photon Imaging of the Living Mouse Brain. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot065474.	0.2	28
280	Premature death and neurologic abnormalities in transgenic mice expressing a mutant huntingtin exon-2 fragment. <i>Human Molecular Genetics</i> , 2011, 20, 1633-1642.	1.4	22
281	Rostral migratory stream neuroblasts turn and change directions in stereotypic patterns. <i>Cell Adhesion and Migration</i> , 2011, 5, 83-95.	1.1	17
282	Microdissection of neural networks by conditional reporter expression from a Brainbow herpesvirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3377-3382.	3.3	64
283	Clonal Structure of Carcinogen-Induced Intestinal Tumors in Mice. <i>Cancer Prevention Research</i> , 2011, 4, 916-923.	0.7	14
285	Reversible Inhibition of Murine Cytomegalovirus Replication by Gamma Interferon (IFN- γ) in Primary Macrophages Involves a Primed Type I IFN-Signaling Subnetwork for Full Establishment of an Immediate-Early Antiviral State. <i>Journal of Virology</i> , 2011, 85, 10286-10299.	1.5	40
286	BAC Modification through Serial or Simultaneous Use of CRE/Lox Technology. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-12.	3.0	7
287	Of Toasters and Molecular Ticker Tapes. <i>PLoS Computational Biology</i> , 2011, 7, e1002291.	1.5	25
288	Sequencing the Connectome. <i>PLoS Biology</i> , 2012, 10, e1001411.	2.6	90
289	Toxoplasma Co-opts Host Cells It Does Not Invade. <i>PLoS Pathogens</i> , 2012, 8, e1002825.	2.1	138
290	Fluorescence-Labeled Reporter Gene in Transgenic Mice Provides a Useful Tool for Investigating Cutaneous Innervation. <i>Veterinary Pathology</i> , 2012, 49, 727-730.	0.8	9
291	Organotypic Coculture Preparation for the Study of Developmental Synapse Elimination in Mammalian Brain. <i>Journal of Neuroscience</i> , 2012, 32, 11657-11670.	1.7	26
292	Label-free morphometry of retinal nerve fiber bundles by second-harmonic-generation microscopy. <i>Optics Letters</i> , 2012, 37, 2316.	1.7	16

#	ARTICLE	IF	CITATIONS
293	The "MAZE"ing World of Lung-Specific Transgenic Mice. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 269-282.	1.4	59
294	Development of the Nervous System. , 2012, , 533-545.		2
295	SynFlo. , 2012, , .		25
296	3D resolved mapping of optical aberrations in thick tissues. Biomedical Optics Express, 2012, 3, 1898.	1.5	37
297	Three-color femtosecond source for simultaneous excitation of three fluorescent proteins in two-photon fluorescence microscopy. Biomedical Optics Express, 2012, 3, 1972.	1.5	67
298	Retinal vasculature segmentation using principal spanning forests. , 2012, , .		4
299	Fluorescence Imaging of Osteoclasts Using Confocal Microscopy. Methods in Molecular Biology, 2012, 816, 401-424.	0.4	3
300	The role of glutamatergic inputs onto parvalbumin-positive interneurons: relevance for schizophrenia. Reviews in the Neurosciences, 2012, 23, 97-109.	1.4	62
301	Spectral Confocal Imaging of Fluorescently tagged Nicotinic Receptors in Knock-in Mice with Chronic Nicotine Administration. Journal of Visualized Experiments, 2012, , .	0.2	7
302	Cellular and Subcellular Imaging in Live Mice Using Fluorescent Proteins. Current Pharmaceutical Biotechnology, 2012, 13, 537-544.	0.9	12
304	Dynamic clonal analysis of murine hematopoietic stem and progenitor cells marked by 5 fluorescent proteins using confocal and multiphoton microscopy. Blood, 2012, 120, e105-e116.	0.6	39
306	Functional immunomaging: the revolution continues. Nature Reviews Immunology, 2012, 12, 858-864.	10.6	77
307	Neuronal Morphology in the Drosophila Embryo: Visualisation, Digital Reconstruction and Quantification. Neuromethods, 2012, , 107-124.	0.2	0
308	The expanding scope of DNA sequencing. Nature Biotechnology, 2012, 30, 1084-1094.	9.4	280
309	Measuring and Modeling Morphology: How Dendrites Take Shape. , 2012, , 387-427.		1
310	Methods for in vivo molecular imaging. Biochemistry (Moscow), 2012, 77, 1339-1353.	0.7	16
311	RGB marking with lentiviral vectors for multicolor clonal cell tracking. Nature Protocols, 2012, 7, 839-849.	5.5	82
312	Quantitative Analysis of Embryogenesis: A Perspective for Light Sheet Microscopy. Developmental Cell, 2012, 23, 1111-1120.	3.1	49

#	ARTICLE	IF	CITATIONS
313	In Vivo Imaging of the Developing Neuromuscular Junction in Neonatal Mice. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot072082.	0.2	9
314	Lgr5 and Lgr6 as markers to study adult stem cell roles in self-renewal and cancer. Oncogene, 2012, 31, 3009-3022.	2.6	107
315	Multicolor in vivo brain imaging with a microscope-coupled fiber-bundle microprobe. Applied Physics Letters, 2012, 101, 233702.	1.5	16
316	In Vivo Imaging of Hematopoietic Stem Cells in the Bone Marrow Niche. Methods in Molecular Biology, 2012, 916, 231-242.	0.4	4
317	A Bayesian compressed-sensing approach for reconstructing neural connectivity from subsampled anatomical data. Journal of Computational Neuroscience, 2012, 33, 371-388.	0.6	18
318	Progenitor Cells. Methods in Molecular Biology, 2012, , .	0.4	2
319	A Modified Cre- <i>lox</i> Genetic Switch To Dynamically Control Metabolic Flow in <i>Saccharomyces cerevisiae</i> . ACS Synthetic Biology, 2012, 1, 172-180.	1.9	26
320	Power tools for gene expression and clonal analysis in Drosophila. Nature Methods, 2012, 9, 47-55.	9.0	199
321	Structural Remodeling of Astrocytes in the Injured CNS. Neuroscientist, 2012, 18, 567-588.	2.6	142
322	Pervasive Synaptic Branch Removal in the Mammalian Neuromuscular System at Birth. Neuron, 2012, 74, 816-829.	3.8	116
323	Stem cell heterogeneity: implications for aging and regenerative medicine. Blood, 2012, 119, 3900-3907.	0.6	138
324	Habenula Circuit Development: Past, Present, and Future. Frontiers in Neuroscience, 2012, 6, 51.	1.4	56
325	Submicrometre geometrically encoded fluorescent barcodes self-assembled from DNA. Nature Chemistry, 2012, 4, 832-839.	6.6	252
326	Heart under construction. Nature, 2012, 484, 459-460.	13.7	7
327	Clonally dominant cardiomyocytes direct heart morphogenesis. Nature, 2012, 484, 479-484.	13.7	229
328	Heterogeneity of Astrocytic Form and Function. Methods in Molecular Biology, 2012, 814, 23-45.	0.4	480
329	Branching Morphogenesis: From Cells to Organs and Back. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008243-a008243.	2.3	99
330	Charting the brain's networks. Nature, 2012, 490, 293-298.	13.7	21

#	ARTICLE	IF	CITATIONS
331	Lineage Tracing. <i>Cell</i> , 2012, 148, 33-45.	13.5	608
332	A pink mouse reports the switch from red to green fluorescence upon Cre-mediated recombination. <i>BMC Research Notes</i> , 2012, 5, 296.	0.6	5
333	mGRASP enables mapping mammalian synaptic connectivity with light microscopy. <i>Nature Methods</i> , 2012, 9, 96-102.	9.0	237
334	Genetically encoded optical indicators for the analysis of neuronal circuits. <i>Nature Reviews Neuroscience</i> , 2012, 13, 687-700.	4.9	220
335	High resolution imaging of neuronal connectivity. <i>Journal of Microscopy</i> , 2012, 248, 111-116.	0.8	7
336	Colored multi-neuron image processing for segmenting and tracing neural circuits. , 2012, , .		7
337	Genetic targeting of specific neuronal cell types in the cerebral cortex. <i>Progress in Brain Research</i> , 2012, 196, 163-192.	0.9	6
338	Using Imaging Methods to Interrogate Radiation-Induced Cell Signaling. <i>Radiation Research</i> , 2012, 177, 496-507.	0.7	0
339	Use and Visualization of Neuroanatomical Viral Transneuronal Tracers. <i>Neuromethods</i> , 2012, , 225-268.	0.2	10
340	Cell lineage tracing techniques for the study of brain development and regeneration. <i>International Journal of Developmental Neuroscience</i> , 2012, 30, 560-569.	0.7	4
341	Shining Light on Wakefulness and Arousal. <i>Biological Psychiatry</i> , 2012, 71, 1046-1052.	0.7	85
342	Informing brain connectivity with optogenetic functional magnetic resonance imaging. <i>NeuroImage</i> , 2012, 62, 2244-2249.	2.1	30
343	Brain excitability and connectivity of neuronal assemblies in Alzheimer's disease: From animal models to human findings. <i>Progress in Neurobiology</i> , 2012, 99, 42-60.	2.8	124
344	Fate-Restricted Neural Progenitors in the Mammalian Cerebral Cortex. <i>Science</i> , 2012, 337, 746-749.	6.0	278
345	Live Imaging Fluorescent Proteins in Early Mouse Embryos. <i>Methods in Enzymology</i> , 2012, 506, 361-389.	0.4	10
346	Mouse transgenic approaches in optogenetics. <i>Progress in Brain Research</i> , 2012, 196, 193-213.	0.9	74
347	AVAILABLE TOOLS FOR WHOLE BRAIN EMULATION. <i>International Journal of Machine Consciousness</i> , 2012, 04, 67-86.	1.0	6
348	An Exactly Solvable Model of Random Site-Specific Recombinations. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 2897-2916.	0.9	3

#	ARTICLE	IF	CITATIONS
349	A review of functional magnetic resonance imaging for Brainnetome. <i>Neuroscience Bulletin</i> , 2012, 28, 389-398.	1.5	18
350	A transgenic embryonic sexing system for <i>Anastrepha suspensa</i> (Diptera: Tephritidae). <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 790-795.	1.2	88
352	Src42A-dependent polarized cell shape changes mediate epithelial tube elongation in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2012, 14, 526-534.	4.6	96
354	Visualization Techniques. <i>NeuroMethods</i> , 2012, , .	0.2	1
355	Local tracing of curvilinear structures in volumetric color images: Application to the Brainbow analysis. <i>Journal of Visual Communication and Image Representation</i> , 2012, 23, 1260-1271.	1.7	9
356	Gene Targeting. , 2012, , 19-35.		5
357	Whole-body gene expression pattern registration in <i>Platynereis</i> larvae. <i>EvoDevo</i> , 2012, 3, 27.	1.3	59
358	Single Collateral Reconstructions Reveal Distinct Phases of Corticospinal Remodeling after Spinal Cord Injury. <i>PLoS ONE</i> , 2012, 7, e30461.	1.1	40
359	R26R-GR: A Cre-Activable Dual Fluorescent Protein Reporter Mouse. <i>PLoS ONE</i> , 2012, 7, e46171.	1.1	12
360	Nlx2.2+ Progenitors Generate Somatic Motoneurons in the Chick Spinal Cord. <i>PLoS ONE</i> , 2012, 7, e51581.	1.1	3
361	Modern Trends in Imaging X: Spectral Imaging in Preclinical Research and Clinical Pathology. <i>Analytical Cellular Pathology</i> , 2012, 35, 339-361.	0.7	19
362	Axon growth and guidance. , 2012, , 105-142.		4
363	Gut stem cells in tissue renewal and disease: methods, markers, and myths. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 475-496.	6.6	38
364	Chemical engineering approach to regenerative medicine. <i>Chemical Papers</i> , 2012, 66, .	1.0	0
365	Serial two-photon tomography for automated ex vivo mouse brain imaging. <i>Nature Methods</i> , 2012, 9, 255-258.	9.0	585
366	The Geometric Structure of the Brain Fiber Pathways. <i>Science</i> , 2012, 335, 1628-1634.	6.0	385
367	Optical recording of action potentials in mammalian neurons using a microbial rhodopsin. <i>Nature Methods</i> , 2012, 9, 90-95.	9.0	403
368	Multicolor two-photon tissue imaging by wavelength mixing. <i>Nature Methods</i> , 2012, 9, 815-818.	9.0	165

#	ARTICLE	IF	CITATIONS
369	In vivo multicolor molecular MR imaging using diamagnetic chemical exchange saturation transfer liposomes. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1106-1113.	1.9	104
370	A novel transgenic line using the Cre ^{fl} ox system to allow permanent lineage labeling of the zebrafish neural crest. <i>Genesis</i> , 2012, 50, 750-757.	0.8	39
371	Structural neurobiology: missing link to a mechanistic understanding of neural computation. <i>Nature Reviews Neuroscience</i> , 2012, 13, 351-358.	4.9	179
372	Morphologic evidence for spatially clustered spines in apical dendrites of monkey neocortical pyramidal cells. <i>Journal of Comparative Neurology</i> , 2012, 520, 2888-2902.	0.9	48
373	Photodetachment Spectra of Deprotonated Fluorescent Protein Chromophore Anions. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7943-7949.	1.1	45
374	New routes for transgenesis of the mouse. <i>Journal of Applied Genetics</i> , 2012, 53, 295-315.	1.0	21
375	Conditional Gene Expression in the Mouse Inner Ear Using Cre-loxP. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2012, 13, 295-322.	0.9	77
376	Sparse and combinatorial neuron labelling. <i>Current Opinion in Neurobiology</i> , 2012, 22, 101-110.	2.0	51
377	Lighting up the brain's reward circuitry. <i>Annals of the New York Academy of Sciences</i> , 2012, 1260, 24-33.	1.8	4
378	A method for stable transgenesis of radial glia lineage in rat neocortex by piggyBac mediated transposition. <i>Journal of Neuroscience Methods</i> , 2012, 207, 172-180.	1.3	126
379	Dissecting local circuits in vivo: Integrated optogenetic and electrophysiology approaches for exploring inhibitory regulation of cortical activity. <i>Journal of Physiology (Paris)</i> , 2012, 106, 104-111.	2.1	47
380	Cell autonomy of DSCAM function in retinal development. <i>Developmental Biology</i> , 2012, 361, 326-337.	0.9	43
381	Neural crest progenitors and stem cells: From early development to adulthood. <i>Developmental Biology</i> , 2012, 366, 83-95.	0.9	197
382	Cytokine Reporter Mice: The Special Case of IL-10. <i>Scandinavian Journal of Immunology</i> , 2012, 75, 553-567.	1.3	31
383	Surveying the plant's world by magnetic resonance imaging. <i>Plant Journal</i> , 2012, 70, 129-146.	2.8	149
384	Ascidians as excellent chordate models for studying the development of the nervous system during embryogenesis and metamorphosis. <i>Development Growth and Differentiation</i> , 2012, 54, 420-437.	0.6	39
385	Development of the cerebellum and cerebellar neural circuits. <i>Developmental Neurobiology</i> , 2012, 72, 282-301.	1.5	125
386	Adult neurogenesis and brain regeneration in zebrafish. <i>Developmental Neurobiology</i> , 2012, 72, 429-461.	1.5	314

#	ARTICLE	IF	CITATIONS
387	Cre-mediated recombination can induce apoptosis in vivo by activating the p53 DNA damage-induced pathway. <i>Genesis</i> , 2012, 50, 102-111.	0.8	21
388	Cytoand chemoarchitecture of the hypothalamic paraventricular nucleus in the C57BL/6J male mouse: A study of immunostaining and multiple fluorescent tract tracing. <i>Journal of Comparative Neurology</i> , 2012, 520, 6-33.	0.9	173
389	Mapping mammalian synaptic connectivity. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4747-4757.	2.4	15
390	Computational Neuroscience: Capturing the Essence. , 2013, , 671-694.		0
391	Optical control and study of biological processes at the single-cell level in a live organism. <i>Reports on Progress in Physics</i> , 2013, 76, 072601.	8.1	14
392	Changes in the regulation of cortical neurogenesis contribute to encephalization during amniote brain evolution. <i>Nature Communications</i> , 2013, 4, 2206.	5.8	75
393	Developmental imaging: The avian embryo hatches to the challenge. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2013, 99, 121-133.	3.6	13
395	Lipoproteins and Cardiovascular Disease. <i>Methods in Molecular Biology</i> , 2013, , .	0.4	5
396	Developmental Bias in Cleavage-Stage Mouse Blastomeres. <i>Current Biology</i> , 2013, 23, 21-31.	1.8	135
397	Millimeter-Sized Neural Building Blocks for 3D Heterogeneous Neural Network Assembly. <i>Advanced Healthcare Materials</i> , 2013, 2, 1564-1570.	3.9	76
398	Unravelling stem cell dynamics by lineage tracing. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 489-502.	16.1	231
399	Strategies for Designing Transgenic DNA Constructs. <i>Methods in Molecular Biology</i> , 2013, 1027, 183-201.	0.4	25
400	Genetic tools for multicolor imaging in zebrafish larvae. <i>Methods</i> , 2013, 62, 279-291.	1.9	64
401	Multicolor lineage tracing methods and intestinal tumors. <i>Journal of Gastroenterology</i> , 2013, 48, 423-433.	2.3	16
402	Origin, lineage and function of cerebellar glia. <i>Progress in Neurobiology</i> , 2013, 109, 42-63.	2.8	133
403	Cardiovascular Biology: Play It Again, Gata4. <i>Current Biology</i> , 2013, 23, R619-R621.	1.8	3
404	Cutaneous immunosurveillance and regulation of inflammation by group 2 innate lymphoid cells. <i>Nature Immunology</i> , 2013, 14, 564-573.	7.0	410
405	The Formation and Maturation of Neuromuscular Junctions. , 2013, , 87-109.		1

#	ARTICLE	IF	CITATIONS
406	Synaptic Laminae in the Visual System: Molecular Mechanisms Forming Layers of Perception. Annual Review of Cell and Developmental Biology, 2013, 29, 385-416.	4.0	54
407	Generalized bacterial genome editing using mobile group II introns and Cre-lox. Molecular Systems Biology, 2013, 9, 685.	3.2	70
408	Affinity Comparison of p3 and p8 Peptide Displaying Bacteriophages Using Surface Plasmon Resonance. Analytical Chemistry, 2013, 85, 10075-10082.	3.2	30
409	Deciphering Hematopoietic Stem Cells in Their Niches: A Critical Appraisal of Genetic Models, Lineage Tracing, and Imaging Strategies. Cell Stem Cell, 2013, 13, 520-533.	5.2	148
410	Mutationally Activated PIK3CAH1047R Cooperates with BRAFV600E to Promote Lung Cancer Progression. Cancer Research, 2013, 73, 6448-6461.	0.4	40
411	Motor Axon Regeneration and Muscle Reinnervation in Young Adult and Aged Animals. Journal of Neuroscience, 2013, 33, 19480-19491.	1.7	153
412	Brainnetome-wide association studies in schizophrenia: The advances and future. Neuroscience and Biobehavioral Reviews, 2013, 37, 2818-2835.	2.9	25
413	Automated condition-invariable neurite segmentation and synapse classification using textural analysis-based machine-learning algorithms. Journal of Neuroscience Methods, 2013, 213, 84-98.	1.3	10
414	The epilepsies: Complex challenges needing complex solutions. Epilepsy and Behavior, 2013, 26, 212-228.	0.9	34
415	Optogenetic manipulation of neural and non-neural functions. Development Growth and Differentiation, 2013, 55, 474-490.	0.6	49
416	Automated image computing reshapes computational neuroscience. BMC Bioinformatics, 2013, 14, 293.	1.2	24
417	Optimized heterologous transfection of viable adult organotypic brain slices using an enhanced gene gun. BMC Research Notes, 2013, 6, 544.	0.6	16
418	Synaptogenesis in the Adult CNS's Olfactory System. , 2013, , 739-755.		0
419	Mutants of Cre recombinase with improved accuracy. Nature Communications, 2013, 4, 2509.	5.8	37
420	Cas9 as a versatile tool for engineering biology. Nature Methods, 2013, 10, 957-963.	9.0	1,073
421	Synthetic Brainbows. Computer Graphics Forum, 2013, 32, 471-480.	1.8	3
422	The humankind genome: from genetic diversity to the origin of human diseases. Genome, 2013, 56, 705-716.	0.9	18
423	Fluorescence imaging in the last two decades. Microscopy (Oxford, England), 2013, 62, 63-68.	0.7	25

#	ARTICLE	IF	CITATIONS
424	Imaging cell biology in live animals: Ready for prime time. <i>Journal of Cell Biology</i> , 2013, 201, 969-979.	2.3	110
425	Fate specification in the adult brain – lessons for eliciting neurogenesis from glial cells. <i>BioEssays</i> , 2013, 35, 242-252.	1.2	41
426	New Insights into Mechanisms of Stem Cell Daughter Fate Determination in Regenerative Tissues. <i>International Review of Cell and Molecular Biology</i> , 2013, 300, 1-50.	1.6	16
427	Sequential Photo-bleaching to Delineate Single Schwann Cells at the Neuromuscular Junction. <i>Journal of Visualized Experiments</i> , 2013, , e4460.	0.2	7
428	Neuronal Subtypes Are Specified by the Level of <i>neurod</i> Expression in the Zebrafish Lateral Line. <i>Journal of Neuroscience</i> , 2013, 33, 556-562.	1.7	12
429	Recombinase-mediated cassette exchange (RMCE) – A rapidly-expanding toolbox for targeted genomic modifications. <i>Gene</i> , 2013, 515, 1-27.	1.0	134
430	Fluorescent Proteins as Visible In Vivo Sensors. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 113, 389-402.	0.9	10
431	Chronic calcium imaging in neuronal development and disease. <i>Experimental Neurology</i> , 2013, 242, 50-56.	2.0	11
432	Preclinical intravital microscopy of the tumour-stroma interface: invasion, metastasis, and therapy response. <i>Current Opinion in Cell Biology</i> , 2013, 25, 659-671.	2.6	121
433	Generation and Characterization of a Transgenic Zebrafish Expressing the Reverse Tetracycline Transactivator. <i>Journal of Genetics and Genomics</i> , 2013, 40, 523-531.	1.7	20
434	A rapid fluorescent method to quantify neuronal loss after experimental intracerebral hemorrhage. <i>Journal of Neuroscience Methods</i> , 2013, 216, 128-136.	1.3	10
435	The dynamic lives of T cells: new approaches and themes. <i>Trends in Immunology</i> , 2013, 34, 59-66.	2.9	13
436	Three-dimensional network of <i>Drosophila</i> brain hemisphere. <i>Journal of Structural Biology</i> , 2013, 184, 271-279.	1.3	30
437	In vivo three-photon microscopy of subcortical structures within an intact mouse brain. <i>Nature Photonics</i> , 2013, 7, 205-209.	15.6	1,225
438	Tracking cells in their native habitat: lineage tracing in epithelial neoplasia. <i>Nature Reviews Cancer</i> , 2013, 13, 161-171.	12.8	52
439	A TRP among the astrocytes. <i>Journal of Physiology</i> , 2013, 591, 9-15.	1.3	10
440	Barcoding cells using cell-surface programmable DNA-binding domains. <i>Nature Methods</i> , 2013, 10, 403-406.	9.0	47
441	Live-imaging of plant development: latest approaches. <i>Current Opinion in Plant Biology</i> , 2013, 16, 33-40.	3.5	25

#	ARTICLE	IF	CITATIONS
442	Live imaging of multicolor-labeled cells in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2013, 140, 1605-1613.	1.2	63
443	Cellular, subcellular and functional in vivo labeling of the spinal cord using vital dyes. <i>Nature Protocols</i> , 2013, 8, 481-490.	5.5	49
444	Methods of dendritic spine detection: From Golgi to high-resolution optical imaging. <i>Neuroscience</i> , 2013, 251, 129-140.	1.1	65
445	The human connectome: Origins and challenges. <i>NeuroImage</i> , 2013, 80, 53-61.	2.1	360
446	Lineage Tracing of Hair Follicle Stem Cells in Epidermal Whole Mounts. <i>Methods in Molecular Biology</i> , 2013, 989, 45-60.	0.4	11
447	Neuronal Morphology Goes Digital: A Research Hub for Cellular and System Neuroscience. <i>Neuron</i> , 2013, 77, 1017-1038.	3.8	191
448	Structural and molecular interrogation of intact biological systems. <i>Nature</i> , 2013, 497, 332-337.	13.7	1,765
449	The future of immunoimaging – Deeper, bigger, more precise, and definitively more colorful. <i>European Journal of Immunology</i> , 2013, 43, 1407-1412.	1.6	33
450	Endowing cells with logic and memory. <i>Nature Biotechnology</i> , 2013, 31, 413-415.	9.4	9
451	New technique makes brains transparent. <i>Physics Today</i> , 2013, 66, 14-15.	0.3	0
452	Human connectomics – What will the future demand?. <i>NeuroImage</i> , 2013, 80, 541-544.	2.1	50
453	Genetic Approaches to Neural Circuits in the Mouse. <i>Annual Review of Neuroscience</i> , 2013, 36, 183-215.	5.0	184
454	SeeDB: a simple and morphology-preserving optical clearing agent for neuronal circuit reconstruction. <i>Nature Neuroscience</i> , 2013, 16, 1154-1161.	7.1	797
455	Seeing the forest tree by tree: super-resolution light microscopy meets the neurosciences. <i>Nature Neuroscience</i> , 2013, 16, 790-797.	7.1	143
456	Structure–function relationship of cerebral networks in experimental neuroscience: Contribution of magnetic resonance imaging. <i>Experimental Neurology</i> , 2013, 242, 65-73.	2.0	13
457	Quantitative approaches to uncover physical mechanisms of tissue morphogenesis. <i>Current Opinion in Biotechnology</i> , 2013, 24, 954-961.	3.3	15
458	Improved tools for the Brainbow toolbox. <i>Nature Methods</i> , 2013, 10, 540-547.	9.0	368
459	Use of optical imaging to progress novel therapeutics to the clinic. <i>Journal of Controlled Release</i> , 2013, 172, 523-534.	4.8	28

#	ARTICLE	IF	CITATIONS
460	Robo3-Driven Axon Midline Crossing Conditions Functional Maturation of a Large Commissural Synapse. <i>Neuron</i> , 2013, 78, 855-868.	3.8	34
461	CLARITY for mapping the nervous system. <i>Nature Methods</i> , 2013, 10, 508-513.	9.0	654
462	In Vivo Imaging of Synaptogenesis. , 2013, , 521-536.		0
463	Genetic Analysis of Synaptogenesis. , 2013, , 537-577.		2
464	New Imaging Tools to Study Synaptogenesis. , 2013, , 599-622.		2
465	Zebrafish: multispectral cell labeling for cell tracing and lineage analysis in zebrafish. <i>Development (Cambridge)</i> , 2013, 140, 2835-2846.	1.2	265
466	Reporter Mouse Lines for Fluorescence Imaging. <i>Development Growth and Differentiation</i> , 2013, 55, 390-405.	0.6	104
467	Detecting Irregular Curvilinear Structures in Gray Scale and Color Imagery Using Multi-directional Oriented Flux. , 2013, , .		23
468	Automated analysis of clonal cancer cells by intravital imaging. <i>Intravital</i> , 2013, 2, e26138.	2.0	17
469	Microdissection and Visualization of Individual Hair Follicles for Lineage Tracing Studies. <i>Methods in Molecular Biology</i> , 2013, 1195, 247-258.	0.4	4
470	Astrocytes reassessment - an evolving concept part one: embryology, biology, morphology and reactivity. <i>Journal of Molecular Psychiatry</i> , 2013, 1, 18.	2.0	13
471	Two-photon imaging of multiple fluorescent proteins by phase-shaping and linear unmixing with a single broadband laser. <i>Optics Express</i> , 2013, 21, 17256.	1.7	15
472	Imaging Mouse Cancer Models In Vivo Using Reporter Transgenes. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top069864.	0.2	29
473	Of Fish and Men. <i>Circulation Research</i> , 2013, 112, 583-585.	2.0	2
474	Tracking Proliferative History in Lymphocyte Development with Cre-Mediated Sister Chromatid Recombination. <i>PLoS Genetics</i> , 2013, 9, e1003887.	1.5	7
475	From seeing to believing: labelling strategies for <i>in vivo</i> cell-tracking experiments. <i>Interface Focus</i> , 2013, 3, 20130001.	1.5	207
476	A Functional Comparison of the <i>3xP3</i> Promoter by Recombinase-Mediated Cassette Exchange in <i>Drosophila</i> and a Tephritid Fly, <i>Anastrepha suspensa</i> . <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 687-693.	0.8	23
477	Multicolor fate mapping of Langerhans cell homeostasis. <i>Journal of Experimental Medicine</i> , 2013, 210, 1657-1664.	4.2	135

#	ARTICLE	IF	CITATIONS
478	Review of spectral imaging technology in biomedical engineering: achievements and challenges. <i>Journal of Biomedical Optics</i> , 2013, 18, 100901.	1.4	300
479	Clonal Identity Determines Astrocyte Cortical Heterogeneity. <i>Cerebral Cortex</i> , 2013, 23, 1463-1472.	1.6	134
480	TIE-DYE: a combinatorial marking system to visualize and genetically manipulate clones during development in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2013, 140, 3275-3284.	1.2	71
481	Engineering of a target site-specific recombinase by a combined evolution- and structure-guided approach. <i>Nucleic Acids Research</i> , 2013, 41, 2394-2403.	6.5	31
482	Precise Lamination of Retinal Axons Generates Multiple Parallel Input Pathways in the Tectum. <i>Journal of Neuroscience</i> , 2013, 33, 5027-5039.	1.7	95
483	The NIH BRAIN Initiative. <i>Science</i> , 2013, 340, 687-688.	6.0	322
484	Choices choices: regulation of precursor differentiation during enteric nervous system development. <i>Neurogastroenterology and Motility</i> , 2013, 25, 554-562.	1.6	5
485	Lights, Camera, and Action: Vertebrate Skin Sets the Stage for Immune Cell Interaction with Arthropod-Vectored Pathogens. <i>Frontiers in Immunology</i> , 2013, 4, 286.	2.2	14
486	On the road to tolerance – Generation and migration of gut regulatory T cells. <i>European Journal of Immunology</i> , 2013, 43, 1422-1425.	1.6	13
487	Targeting cells in motion: Migrating toward improved therapies. <i>European Journal of Immunology</i> , 2013, 43, 1430-1435.	1.6	30
488	Advanced intravital subcellular imaging reveals vital three-dimensional signalling events driving cancer cell behaviour and drug responses in live tissue. <i>FEBS Journal</i> , 2013, 280, 5177-5197.	2.2	10
489	Alarmin-induced cell migration. <i>European Journal of Immunology</i> , 2013, 43, 1412-1418.	1.6	26
490	Reconstructing Loopy Curvilinear Structures Using Integer Programming. , 2013, , .		53
491	<scp>CCRL</scp>, a fringe member of the atypical chemoattractant receptor family. <i>European Journal of Immunology</i> , 2013, 43, 1418-1422.	1.6	38
492	Emerging aspects of leukocyte migration. <i>European Journal of Immunology</i> , 2013, 43, 1404-1406.	1.6	10
493	Transgenesis and imaging in birds, and available transgenic reporter lines. <i>Development Growth and Differentiation</i> , 2013, 55, 406-421.	0.6	40
494	Dendritic Translocation Establishes the Winner in Cerebellar Climbing Fiber Synapse Elimination. <i>Journal of Neuroscience</i> , 2013, 33, 7641-7653.	1.7	41
495	Shedding light on cutaneous innate immune responses: the intravital microscopy approach. <i>Immunology and Cell Biology</i> , 2013, 91, 263-270.	1.0	18

#	ARTICLE	IF	CITATIONS
496	Rapid, modular and reliable construction of complex mammalian gene circuits. <i>Nucleic Acids Research</i> , 2013, 41, e156-e156.	6.5	74
497	Porcine Adiponectin Receptor 1 Transgene Resists High-fat/Sucrose Diet-Induced Weight Gain, Hepatosteatosis and Insulin Resistance in Mice. <i>Experimental Animals</i> , 2013, 62, 347-360.	0.7	10
498	Multi-color femtosecond source for simultaneous excitation of multiple fluorescent proteins in two-photon fluorescence microscopy. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
499	Cerebellar Output in Zebrafish: An Analysis of Spatial Patterns and Topography in Eurydendroid Cell Projections. <i>Frontiers in Neural Circuits</i> , 2013, 7, 53.	1.4	67
500	Physical principles for scalable neural recording. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 137.	1.2	215
501	Genetic Marker Mice and Their Use in Understanding Learning and Memory. , 0, , .		0
502	Optogenetic Probing and Manipulation of the Calyx-Type Presynaptic Terminal in the Embryonic Chick Ciliary Ganglion. <i>PLoS ONE</i> , 2013, 8, e59179.	1.1	16
503	Rac1 Selective Activation Improves Retina Ganglion Cell Survival and Regeneration. <i>PLoS ONE</i> , 2013, 8, e64350.	1.1	26
504	Blood Flow Changes Coincide with Cellular Rearrangements during Blood Vessel Pruning in Zebrafish Embryos. <i>PLoS ONE</i> , 2013, 8, e75060.	1.1	106
505	Preferential Lentiviral Targeting of Astrocytes in the Central Nervous System. <i>PLoS ONE</i> , 2013, 8, e76092.	1.1	15
506	Golden GATEway Cloning “ A Combinatorial Approach to Generate Fusion and Recombination Constructs. <i>PLoS ONE</i> , 2013, 8, e76117.	1.1	60
507	Reduced brain somatostatin in mood disorders: a common pathophysiological substrate and drug target?. <i>Frontiers in Pharmacology</i> , 2013, 4, 110.	1.6	103
508	Regulation of zebrafish sleep and arousal states: current and prospective approaches. <i>Frontiers in Neural Circuits</i> , 2013, 7, 58.	1.4	64
509	Analyzing the structure and function of neuronal circuits in zebrafish. <i>Frontiers in Neural Circuits</i> , 2013, 7, 71.	1.4	60
510	Three-dimensional mapping of microcircuit correlation structure. <i>Frontiers in Neural Circuits</i> , 2013, 7, 151.	1.4	55
511	Neural system prediction and identification challenge. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 43.	1.3	6
512	Molecular anatomy of the gut-brain axis revealed with transgenic technologies: implications in metabolic research. <i>Frontiers in Neuroscience</i> , 2013, 7, 134.	1.4	35
513	Optical modulation of neurotransmission using calcium photocurrents through the ion channel LiGluR. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 3.	1.4	17

#	ARTICLE	IF	CITATIONS
515	Dre - Cre Sequential Recombination Provides New Tools for Retinal Ganglion Cell Labeling and Manipulation in Mice. PLoS ONE, 2014, 9, e91435.	1.1	31
516	HomeRun Vector Assembly System: A Flexible and Standardized Cloning System for Assembly of Multi-Modular DNA Constructs. PLoS ONE, 2014, 9, e100948.	1.1	13
517	Single neurons needed for brain asymmetry studies. Frontiers in Genetics, 2013, 4, 311.	1.1	2
518	Retrograde labeling, transduction, and genetic targeting allow cellular analysis of corticospinal motor neurons: implications in health and disease. Frontiers in Neuroanatomy, 2014, 8, 16.	0.9	35
519	Genetic dissection of GABAergic neural circuits in mouse neocortex. Frontiers in Cellular Neuroscience, 2014, 8, 8.	1.8	85
520	Input clustering and the microscale structure of local circuits. Frontiers in Neural Circuits, 2014, 8, 112.	1.4	38
521	Dissecting inhibitory brain circuits with genetically-targeted technologies. Frontiers in Neural Circuits, 2014, 8, 124.	1.4	11
522	Microglia Identification Methods†. , 2014, , .		0
523	Role of Schwann cells in peripheral nerve regeneration. , 0, , 472-495.		0
524	Monitoring neurogenesis in the cerebral cortex: an update. Future Neurology, 2014, 9, 323-340.	0.9	3
525	A "tool box"™ for deciphering neuronal circuits in the developing chick spinal cord. Nucleic Acids Research, 2014, 42, e148-e148.	6.5	20
526	Lineage-tracing methods and the kidney. Kidney International, 2014, 86, 481-488.	2.6	35
527	Lineage Analysis of Epidermal Stem Cells. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a015206-a015206.	2.9	62
528	CLoNe is a new method to target single progenitors and study their progeny in mouse and chick. Development (Cambridge), 2014, 141, 1589-1598.	1.2	63
529	Raepli: a whole-tissue labeling tool for live imaging of <i>Drosophila</i> development. Development (Cambridge), 2014, 141, 472-480.	1.2	52
530	Limited-projection-angle hybrid fluorescence molecular tomography of multiple molecules. Journal of Biomedical Optics, 2014, 19, 046016.	1.4	8
531	Concise Review: Understanding Clonal Dynamics in Homeostasis and Injury Through Multicolor Lineage Tracing. Stem Cells, 2014, 32, 3046-3054.	1.4	24
532	Retinal ganglion cell dendrites and glaucoma: a case of missing the wood for the trees?. Expert Review of Ophthalmology, 2014, 9, 149-152.	0.3	6

#	ARTICLE	IF	CITATIONS
533	Attenuation-corrected fluorescence spectra unmixing for spectroscopy and microscopy. <i>Optics Express</i> , 2014, 22, 19469.	1.7	7
534	Spectral-resolved multifocal multiphoton microscopy with multianode photomultiplier tubes. <i>Optics Express</i> , 2014, 22, 21368.	1.7	9
535	Wavelength-separation-tunable two-color-soliton-pulse generation through prechirping. <i>Physical Review A</i> , 2014, 90, .	1.0	11
536	Advances in understanding the mechanism of zebrafish heart regeneration. <i>Stem Cell Research</i> , 2014, 13, 542-555.	0.3	48
537	Design of the first neuronal connectomics challenge: From imaging to connectivity. , 2014, , .		2
538	An integrated pipeline for the multidimensional analysis of branching morphogenesis. <i>Nature Protocols</i> , 2014, 9, 2859-2879.	5.5	44
539	The neural crest, A multifaceted structure of the vertebrates. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2014, 102, 187-209.	3.6	23
540	Fluorescent genetic barcoding in mammalian cells for enhanced multiplexing capabilities in flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 105-113.	1.1	16
541	Diversity and wiring variability of visual local neurons in the <i>Drosophila</i> medulla M6 stratum. <i>Journal of Comparative Neurology</i> , 2014, 522, 3795-3816.	0.9	20
543	Advances in Intravital Microscopy. , 2014, , .		4
544	Epidermal Cells. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	1
545	Multiplexing clonality: combining RGB marking and genetic barcoding. <i>Nucleic Acids Research</i> , 2014, 42, e56-e56.	6.5	49
546	The mammary cellular hierarchy and breast cancer. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4301-4324.	2.4	49
547	Binary recombinase systems for high-resolution conditional mutagenesis. <i>Nucleic Acids Research</i> , 2014, 42, 3894-3907.	6.5	84
548	The Human Connectome. , 2014, , 401-428.		0
549	In vivo generation of DNA sequence diversity for cellular barcoding. <i>Nucleic Acids Research</i> , 2014, 42, e127-e127.	6.5	36
550	Active Vision in Marmosets: A Model System for Visual Neuroscience. <i>Journal of Neuroscience</i> , 2014, 34, 1183-1194.	1.7	153
551	Exclusive multipotency and preferential asymmetric divisions in post-embryonic neural stem cells of the fish retina. <i>Development (Cambridge)</i> , 2014, 141, 3472-3482.	1.2	64

#	ARTICLE	IF	CITATIONS
552	Live imaging in Drosophila: The optical and genetic toolkits. <i>Methods</i> , 2014, 68, 48-59.	1.9	13
553	Zebrafish approaches enhance the translational research tackle box. <i>Translational Research</i> , 2014, 163, 65-78.	2.2	40
554	Determining Lineage Pathways from Cellular Barcoding Experiments. <i>Cell Reports</i> , 2014, 6, 617-624.	2.9	40
555	Highly Multiplexed Subcellular RNA Sequencing in Situ. <i>Science</i> , 2014, 343, 1360-1363.	6.0	824
556	Cell lineage tracing in the developing enteric nervous system: superstars revealed by experiment and simulation. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130815.	1.5	40
557	Analysis of Morphology and Structural Remodeling of Astrocytes. <i>Neuromethods</i> , 2014, , 129-143.	0.2	1
558	A compact dual promoter adeno-associated viral vector for efficient delivery of two genes to dorsal root ganglion neurons. <i>Gene Therapy</i> , 2014, 21, 242-252.	2.3	25
559	Label-free in vivo imaging of myelinated axons in health and disease with spectral confocal reflectance microscopy. <i>Nature Medicine</i> , 2014, 20, 443-449.	15.2	159
560	Perspectives on Auditory Research. <i>Springer Handbook of Auditory Research</i> , 2014, , .	0.3	9
561	Structure of the Mitochondrial Translocator Protein in Complex with a Diagnostic Ligand. <i>Science</i> , 2014, 343, 1363-1366.	6.0	208
562	Deciphering Cerebellar Neural Circuitry Involved in Higher Order Functions Using the Zebrafish Model. , 2014, , 161-184.		2
563	Spectrum of Fates: a new approach to the study of the developing zebrafish retina. <i>Development (Cambridge)</i> , 2014, 141, 1971-1980.	1.2	49
564	Advances in whole-embryo imaging: a quantitative transition is underway. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 327-339.	16.1	102
565	MorphoNeuroNet: An automated method for dense neurite network analysis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 188-199.	1.1	33
566	Obligate Progression Precedes Lung Adenocarcinoma Dissemination. <i>Cancer Discovery</i> , 2014, 4, 781-789.	7.7	48
567	An improved monomeric infrared fluorescent protein for neuronal and tumour brain imaging. <i>Nature Communications</i> , 2014, 5, 3626.	5.8	142
568	Imaging hallmarks of cancer in living mice. <i>Nature Reviews Cancer</i> , 2014, 14, 406-418.	12.8	166
569	Dynamic clonal analysis based on chronic <i>in vivo</i> imaging allows multiscale quantification of growth in the <i>Drosophila</i> wing disc. <i>Development (Cambridge)</i> , 2014, 141, 2339-2348.	1.2	44

#	ARTICLE	IF	CITATIONS
570	Mouse Molecular Embryology. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	2
571	Brain Development. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	1
572	Viral Vector Approaches in Neurobiology and Brain Diseases. <i>Neuromethods</i> , 2014, , .	0.2	0
573	In Vivo Dendritic Mapping of Sensory Inputs in Cortical Neurons. <i>Neuromethods</i> , 2014, , 89-105.	0.2	1
574	Laser Scanning Confocal Microscopy: History, Applications, and Related Optical Sectioning Techniques. <i>Methods in Molecular Biology</i> , 2014, 1075, 9-47.	0.4	58
575	Introduction to Dendritic Morphology. <i>Springer Series in Computational Neuroscience</i> , 2014, , 3-22.	0.3	4
576	Developmental origins and lineage descendants of endogenous adult cardiac progenitor cells. <i>Stem Cell Research</i> , 2014, 13, 592-614.	0.3	39
577	iDISCO: A Simple, Rapid Method to Immunolabel Large Tissue Samples for Volume Imaging. <i>Cell</i> , 2014, 159, 896-910.	13.5	1,300
578	Quantitative Single-Cell Approaches to Stem Cell Research. <i>Cell Stem Cell</i> , 2014, 15, 546-558.	5.2	112
579	Systematic Transfer of Prokaryotic Sensors and Circuits to Mammalian Cells. <i>ACS Synthetic Biology</i> , 2014, 3, 880-891.	1.9	72
580	Lattice light-sheet microscopy: Imaging molecules to embryos at high spatiotemporal resolution. <i>Science</i> , 2014, 346, 1257998.	6.0	1,567
581	The big data challenges of connectomics. <i>Nature Neuroscience</i> , 2014, 17, 1448-1454.	7.1	194
582	Ultrafast tissue staining with chemical tags. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3805-14.	3.3	81
583	Spatial and temporal dynamics of cell generations within an invasion wave: A link to cell lineage tracing. <i>Journal of Theoretical Biology</i> , 2014, 363, 344-356.	0.8	16
584	Two-photon imaging of Zn ²⁺ dynamics in mossy fiber boutons of adult hippocampal slices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6786-6791.	3.3	31
585	Using mammalian GFP reconstitution across synaptic partners (mGRASP) to map synaptic connectivity in the mouse brain. <i>Nature Protocols</i> , 2014, 9, 2425-2437.	5.5	30
586	Defining hierarchies of stemness in the intestine: evidence from biomarkers and regulatory pathways. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G260-G273.	1.6	41
587	Single-cell technologies sharpen up mammalian stem cell research. <i>Nature Cell Biology</i> , 2014, 16, 919-927.	4.6	103

#	ARTICLE	IF	CITATIONS
588	A close look at brain dynamics: Cells and vessels seen by in vivo two-photon microscopy. <i>Progress in Neurobiology</i> , 2014, 121, 36-54.	2.8	18
589	Cellular barcoding: A technical appraisal. <i>Experimental Hematology</i> , 2014, 42, 598-608.	0.2	65
590	Transneuronal Circuit Analysis with Pseudorabies Viruses. <i>Current Protocols in Neuroscience</i> , 2014, 68, 1.5.1-39.	2.6	75
591	A fourth generation of neuroanatomical tracing techniques: Exploiting the offspring of genetic engineering. <i>Journal of Neuroscience Methods</i> , 2014, 235, 331-348.	1.3	48
592	Neuroprotective effect of heme oxygenase-2 knockout in the blood injection model of intracerebral hemorrhage. <i>BMC Research Notes</i> , 2014, 7, 561.	0.6	17
593	Beyond genome sequencing: Lineage tracking with barcodes to study the dynamics of evolution, infection, and cancer. <i>Genomics</i> , 2014, 104, 417-430.	1.3	81
594	Axon-Carrying Dendrites Convey Privileged Synaptic Input in Hippocampal Neurons. <i>Neuron</i> , 2014, 83, 1418-1430.	3.8	93
595	Advances in fluorescence labeling strategies for dynamic cellular imaging. <i>Nature Chemical Biology</i> , 2014, 10, 512-523.	3.9	412
596	Endocytosis and Signaling during Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a017020-a017020.	2.3	36
597	Structural and functional analysis of single neurons to correlate synaptic connectivity with grooming behavior. <i>Nature Protocols</i> , 2014, 9, 1-10.	5.5	17
598	Spectrum of Fates: a new approach to the study of the developing zebrafish retina. <i>Development (Cambridge)</i> , 2014, 141, 2912-2912.	1.2	6
599	Zebrafish as a Model for Studying Kidney Regeneration. <i>Current Pathobiology Reports</i> , 2014, 2, 53-59.	1.6	1
600	Genetic Labeling of Neurons in Mouse Brain. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top080374.	0.2	10
601	Reversible protein inactivation by optogenetic trapping in cells. <i>Nature Methods</i> , 2014, 11, 633-636.	9.0	183
602	Zebrafish as a model to assess cancer heterogeneity, progression and relapse. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 755-762.	1.2	42
603	Network Structure within the Cerebellar Input Layer Enables Lossless Sparse Encoding. <i>Neuron</i> , 2014, 83, 960-974.	3.8	135
604	IV. Tools and methods for studying cell migration and cell rearrangement in tissue and organ development. <i>Methods</i> , 2014, 68, 228-232.	1.9	0
605	Multiplex Cell and Lineage Tracking with Combinatorial Labels. <i>Neuron</i> , 2014, 81, 505-520.	3.8	142

#	ARTICLE	IF	CITATIONS
606	Targeting cells with single vectors using multiple-feature Boolean logic. <i>Nature Methods</i> , 2014, 11, 763-772.	9.0	427
607	Fate mapping reveals origin and dynamics of lymph node follicular dendritic cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 1109-1122.	4.2	152
608	FLP/FRT and Cre/lox recombination technology in <i>C. elegans</i> . <i>Methods</i> , 2014, 68, 417-424.	1.9	45
609	A Role for Melanopsin in Alpha Retinal Ganglion Cells and Contrast Detection. <i>Neuron</i> , 2014, 82, 781-788.	3.8	195
610	Imaging Through the Pupal Case of <i>Drosophila melanogaster</i> . <i>Journal of Visualized Experiments</i> , 2014, , e51239.	0.2	3
611	Intersectional strategies for cell type specific expression and transsynaptic labeling. , 0, , 250-267.		1
612	Regioselective Biolistic Targeting in Organotypic Brain Slices Using a Modified Gene Gun. <i>Journal of Visualized Experiments</i> , 2014, , e52148.	0.2	4
613	Investigation of ion channel structure using uorescence spectroscopy. , 2015, , 133-154.		3
614	Motor function recovery during peripheral nerve multiple regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 415-423.	1.3	8
615	Versatile genetic paintbrushes: Brainbow technologies. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015, 4, 161-180.	5.9	32
617	Genetic Barcoding with Fluorescent Proteins for Multiplexed Applications. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	4
618	A Method for Lineage Tracing of Corneal Cells Using Multi-color Fluorescent Reporter Mice. <i>Journal of Visualized Experiments</i> , 2015, , e53370.	0.2	12
619	Automated Quantification of Hematopoietic Cell – Stromal Cell Interactions in Histological Images of Undecalcified Bone. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	1
620	Tracking and Quantifying Developmental Processes in <i>C. elegans</i> Using Open-source Tools. <i>Journal of Visualized Experiments</i> , 2015, , e53469.	0.2	21
621	Clonal Analysis of Newborn Hippocampal Dentate Granule Cell Proliferation and Development in Temporal Lobe Epilepsy. <i>ENeuro</i> , 2015, 2, ENEURO.0087-15.2015.	0.9	27
622	Introduction to the special issue on neural mechanisms of behavioral maturation. <i>Developmental Neurobiology</i> , 2015, 75, 1049-1050.	1.5	0
623	Theory and Practice of Lineage Tracing. <i>Stem Cells</i> , 2015, 33, 3197-3204.	1.4	54
624	Multi-chromatic magnetic resonance imaging using frequency lock-in suppression. <i>NMR in Biomedicine</i> , 2015, 28, 1187-1195.	1.6	0

#	ARTICLE	IF	CITATIONS
625	Fluorescent Protein Approaches in Alpha Herpesvirus Research. <i>Viruses</i> , 2015, 7, 5933-5961.	1.5	33
626	Transgenic Strategies to Study Podocyte Loss and Regeneration. <i>Stem Cells International</i> , 2015, 2015, 1-13.	1.2	9
627	Thymic Crosstalk Coordinates Medulla Organization and T-Cell Tolerance Induction. <i>Frontiers in Immunology</i> , 2015, 6, 365.	2.2	79
628	Visible rodent brain-wide networks at single-neuron resolution. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 70.	0.9	36
629	From a meso- to micro-scale connectome: array tomography and mGRASP. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 78.	0.9	13
630	Investigating neuronal function with optically controllable proteins. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 37.	1.4	17
631	Adult stem cell lineage tracing and deep tissue imaging. <i>BMB Reports</i> , 2015, 48, 655-667.	1.1	15
632	Improving Axial Resolution in Confocal Microscopy with New High Refractive Index Mounting Media. <i>PLoS ONE</i> , 2015, 10, e0121096.	1.1	63
633	Emerging fluorescent protein technologies. <i>Current Opinion in Chemical Biology</i> , 2015, 27, 10-17.	2.8	82
634	Optimized tools for multicolor stochastic labeling reveal diverse stereotyped cell arrangements in the fly visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2967-76.	3.3	481
635	Two transcription factors, Pou4f2 and Isl1, are sufficient to specify the retinal ganglion cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1559-68.	3.3	96
636	Fluorescence micro-optical sectioning tomography using acousto-optical deflector-based confocal scheme. <i>Neurophotonics</i> , 2015, 2, 041406.	1.7	7
637	Subset of early radial glial progenitors that contribute to the development of callosal neurons is absent from avian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5058-67.	3.3	40
638	Multiple Retinal Axons Converge onto Relay Cells in the Adult Mouse Thalamus. <i>Cell Reports</i> , 2015, 12, 1575-1583.	2.9	83
639	Immune cell dynamics in the CNS: Learning from the zebrafish. <i>Glia</i> , 2015, 63, 719-735.	2.5	49
640	Multicolor analysis of oligodendrocyte morphology, interactions, and development with Brainbow. <i>Glia</i> , 2015, 63, 699-717.	2.5	28
641	Large-scale recording of astrocyte activity. <i>Current Opinion in Neurobiology</i> , 2015, 32, 95-106.	2.0	56
642	Connectomics: comprehensive approaches for whole-brain mapping. <i>Microscopy (Oxford, England)</i> , 2015, 64, 57-67.	0.7	22

#	ARTICLE	IF	CITATIONS
643	Design principles and developmental mechanisms underlying retinal mosaics. <i>Biological Reviews</i> , 2015, 90, 854-876.	4.7	67
644	NeuroLight – astonishing advances in brain imaging. <i>International Journal of Neuroscience</i> , 2015, 125, 91-99.	0.8	0
645	Quantum dot/antibody conjugates for in vivo cytometric imaging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1350-1355.	3.3	109
646	Brainbow: New Resources and Emerging Biological Applications for Multicolor Genetic Labeling and Analysis. <i>Genetics</i> , 2015, 199, 293-306.	1.2	118
647	Gene Targeting Through Homologous Recombination in Monkey Embryonic Stem Cells Using CRISPR/Cas9 System. <i>Stem Cells and Development</i> , 2015, 24, 1147-1149.	1.1	8
648	Enhancing the bystander killing effect of an oncolytic HSV by arming it with a secretable apoptosis activator. <i>Gene Therapy</i> , 2015, 22, 237-246.	2.3	16
649	Stochasticity and stereotypy in the Ciona notochord. <i>Developmental Biology</i> , 2015, 397, 248-256.	0.9	14
650	CoinFLP: a system for efficient mosaic screening and for visualizing clonal boundaries in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2015, 142, 597-606.	1.2	73
651	Toward defining a “lineage” – The case for dendritic cells. <i>Seminars in Cell and Developmental Biology</i> , 2015, 41, 3-8.	2.3	8
652	Differential fates of biomolecules delivered to target cells via extracellular vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1433-42.	3.3	378
653	The marmoset monkey as a model for visual neuroscience. <i>Neuroscience Research</i> , 2015, 93, 20-46.	1.0	189
654	Future advances. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2015, 129, 689-692.	1.0	0
655	Making and Using Transgenic Organisms. , 2015, , 253-271.		0
656	Embryonic Origin of Postnatal Neural Stem Cells. <i>Cell</i> , 2015, 161, 1644-1655.	13.5	403
657	Sender–receiver systems and applying information theory for quantitative synthetic biology. <i>Current Opinion in Biotechnology</i> , 2015, 31, 101-107.	3.3	26
658	Intracellular microlasers. <i>Nature Photonics</i> , 2015, 9, 572-576.	15.6	284
659	Myeloid Growth Factors Promote Resistance to Mycobacterial Infection by Curtailing Granuloma Necrosis through Macrophage Replenishment. <i>Cell Host and Microbe</i> , 2015, 18, 15-26.	5.1	114
660	Photoactivatable genetically encoded calcium indicators for targeted neuronal imaging. <i>Nature Methods</i> , 2015, 12, 852-858.	9.0	85

#	ARTICLE	IF	CITATIONS
661	A Barcoding Strategy Enabling Higher-Throughput Library Screening by Microscopy. <i>ACS Synthetic Biology</i> , 2015, 4, 1205-1216.	1.9	17
662	Plug-and-Play Genetic Access to <i>Drosophila</i> Cell Types using Exchangeable Exon Cassettes. <i>Cell Reports</i> , 2015, 10, 1410-1421.	2.9	298
663	Assessing T lymphocyte function and differentiation by genetically encoded reporter systems. <i>Trends in Immunology</i> , 2015, 36, 392-400.	2.9	20
664	Brain/MINDS: brain-mapping project in Japan. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140310.	1.8	89
665	High-performance probes for light and electron microscopy. <i>Nature Methods</i> , 2015, 12, 568-576.	9.0	225
666	Multispectral labeling technique to map many neighboring axonal projections in the same tissue. <i>Nature Methods</i> , 2015, 12, 547-552.	9.0	23
667	The Genomic and Genetic Toolbox of the Teleost Medaka (<i>Oryzias latipes</i>). <i>Genetics</i> , 2015, 199, 905-918.	1.2	91
668	Soft Materials in Neuroengineering for Hard Problems in Neuroscience. <i>Neuron</i> , 2015, 86, 175-186.	3.8	251
669	New Transgenic Technologies. , 2015, , 45-57.		0
670	Analyzing stem cell dynamics: use of cutting edge genetic approaches in model organisms. <i>Frontiers in Biology</i> , 2015, 10, 1-10.	0.7	0
671	Methods for studying the zebrafish brain: past, present and future. <i>European Journal of Neuroscience</i> , 2015, 42, 1746-1763.	1.2	54
672	Brain clearing for connectomics. <i>Microscopy (Oxford, England)</i> , 2015, 64, 5-8.	0.7	13
673	Identification of T cell clones without the need for sequencing. <i>Journal of Immunological Methods</i> , 2015, 424, 28-31.	0.6	7
674	The use of lineage tracing to study kidney injury and regeneration. <i>Nature Reviews Nephrology</i> , 2015, 11, 420-431.	4.1	50
675	Cellular imaging in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2015, 11, 357-367.	3.5	14
676	Merging advanced technologies with classical methods to uncover dendritic spine dynamics: A hot spot of synaptic plasticity. <i>Neuroscience Research</i> , 2015, 96, 1-13.	1.0	12
677	Tunable two-color soliton pulse generation through soliton self-frequency shift. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
678	Moving epithelia: Tracking the fate of mammalian limbal epithelial stem cells. <i>Progress in Retinal and Eye Research</i> , 2015, 48, 203-225.	7.3	65

#	ARTICLE	IF	CITATIONS
679	Multispectral labeling of embryonic cells with lipophilic carbocyanine dyes. <i>Molecular Reproduction and Development</i> , 2015, 82, 619-624.	1.0	3
680	Simultaneous neuron- and astrocyte-specific fluorescent marking. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 81-86.	1.0	10
681	Novel In Vivo model for combinatorial fluorescence labeling in mouse prostate. <i>Prostate</i> , 2015, 75, 988-1000.	1.2	5
682	DSCAM Promotes Refinement in the Mouse Retina through Cell Death and Restriction of Exploring Dendrites. <i>Journal of Neuroscience</i> , 2015, 35, 5640-5654.	1.7	43
683	Cardiomyocyte proliferation in cardiac development and regeneration: a guide to methodologies and interpretations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1237-H1250.	1.5	100
684	Whole-body tissue stabilization and selective extractions via tissue-hydrogel hybrids for high-resolution intact circuit mapping and phenotyping. <i>Nature Protocols</i> , 2015, 10, 1860-1896.	5.5	234
685	Compact fixed wavelength femtosecond oscillators for multi-photon imaging. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
686	Generation and Screening of Transgenic Mice with Neuronal Labeling Controlled by Thy1 Regulatory Elements. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top087668.	0.2	4
687	Automated <i>in situ</i> brain imaging for mapping the <i>Drosophila</i> connectome. <i>Journal of Neurogenetics</i> , 2015, 29, 157-168.	0.6	10
688	Preparation and Use of Retroviral Vectors for Labeling, Imaging, and Genetically Manipulating Cells. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top086363.	0.2	4
689	Salivary Glands. <i>Journal of Dental Research</i> , 2015, 94, 1502-1507.	2.5	51
690	Medical Approach to Wellness. , 2015, , 1-12.		0
691	Ultramicroscopy: development and outlook. <i>Neurophotonics</i> , 2015, 2, 041407.	1.7	22
692	Advancing biomedical imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14424-14428.	3.3	130
693	Deep Learning Architecture with Dynamically Programmed Layers for Brain Connectome Prediction. , 2015, , .		9
694	In-vivo RGB marking and multicolour single-cell tracking in the adult brain. <i>Scientific Reports</i> , 2014, 4, 7520.	1.6	40
695	Methods To Locate and Track Ion Channels and Receptors Expressed in Live Neurons. <i>ACS Chemical Neuroscience</i> , 2015, 6, 189-198.	1.7	3
696	Seeing the whole picture: A comprehensive imaging approach to functional mapping of circuits in behaving zebrafish. <i>Neuroscience</i> , 2015, 296, 26-38.	1.1	53

#	ARTICLE	IF	CITATIONS
697	Tools for visualizing cell-cell interactions™. Current Opinion in Chemical Biology, 2015, 24, 121-130.	2.8	19
698	From classical to current: Analyzing peripheral nervous system and spinal cord lineage and fate. Developmental Biology, 2015, 398, 135-146.	0.9	47
699	Neurons can be labeled with unique hues by helper virus-free HSV-1 vectors expressing Brainbow. Journal of Neuroscience Methods, 2015, 240, 77-88.	1.3	13
700	Establishment of Gal4 transgenic zebrafish lines for analysis of development of cerebellar neural circuitry. Developmental Biology, 2015, 397, 1-17.	0.9	66
701	Molecular psychiatry of zebrafish. Molecular Psychiatry, 2015, 20, 2-17.	4.1	174
702	Lineage Tracing of Stem and Progenitor Cells of the Murine Corneal Epithelium. Stem Cells, 2015, 33, 230-239.	1.4	100
703	Unveiling the Inner Workings of Live Bacteria Using Super-Resolution Microscopy. Analytical Chemistry, 2015, 87, 42-63.	3.2	62
704	Neural Tracing Methods. Neuromethods, 2015, , .	0.2	4
705	Tracing the Fate of Limbal Epithelial Progenitor Cells in the Murine Cornea. Stem Cells, 2015, 33, 157-169.	1.4	139
706	Neurotoxicology. , 0, , .		0
707	Advances in Intravital Non-Linear Optical Imaging of the Central Nervous System in Rodents. Brain Plasticity, 2016, 2, 31-48.	1.9	4
708	Correlative Light Electron Microscopy: Connecting Synaptic Structure and Function. Frontiers in Synaptic Neuroscience, 2016, 8, 28.	1.3	47
709	Miniaturized Technologies for Enhancement of Motor Plasticity. Frontiers in Bioengineering and Biotechnology, 2016, 4, 30.	2.0	3
710	Cre-Lox Neurogenetics: 20 Years of Versatile Applications in Brain Research and Counting. Frontiers in Genetics, 2016, 7, 19.	1.1	53
711	Voluntary Exercise Induces Astrocytic Structural Plasticity in the Globus Pallidus. Frontiers in Cellular Neuroscience, 2016, 10, 165.	1.8	22
712	NeuroFlow: A General Purpose Spiking Neural Network Simulation Platform using Customizable Processors. Frontiers in Neuroscience, 2015, 9, 516.	1.4	66
713	Site-specific recombinatorics: in situ cellular barcoding with the Cre Lox system. BMC Systems Biology, 2016, 10, 43.	3.0	15
714	Simple approach to three-color two-photon microscopy by a fiber-optic wavelength convertor. Biomedical Optics Express, 2016, 7, 4803.	1.5	21

#	ARTICLE	IF	CITATIONS
715	Transgenic zebrafish forms technicolour 'skinbow'. <i>Nature</i> , 2016, , .	13.7	0
716	Extracting structural and functional features of widely distributed biological circuits with single cell resolution via tissue clearing and delivery vectors. <i>Current Opinion in Biotechnology</i> , 2016, 40, 193-207.	3.3	41
717	Novel Heterotypic Rox Sites for Combinatorial Dre Recombination Strategies. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 559-571.	0.8	18
718	Protein-retention expansion microscopy of cells and tissues labeled using standard fluorescent proteins and antibodies. <i>Nature Biotechnology</i> , 2016, 34, 987-992.	9.4	510
719	Intravital Microscopy in Mammalian Organisms: From Tissue Physiology to Cell Biology. , 2016, , 129-146.		0
720	Pooled matrix protein interaction screens using Barcode Fusion Genetics. <i>Molecular Systems Biology</i> , 2016, 12, 863.	3.2	102
721	Defining Clonal Color in Fluorescent Multi-Clonal Tracking. <i>Scientific Reports</i> , 2016, 6, 24303.	1.6	10
722	Anatomic Connections of the Subgenual Cingulate Region. <i>Neurosurgery</i> , 2016, 79, 465-472.	0.6	34
723	Intravital Insights into Heterogeneity, Metastasis, and Therapy Responses. <i>Trends in Cancer</i> , 2016, 2, 205-216.	3.8	27
724	Intra-tumour heterogeneity " going beyond genetics. <i>FEBS Journal</i> , 2016, 283, 2245-2258.	2.2	70
725	Whole-organism lineage tracing by combinatorial and cumulative genome editing. <i>Science</i> , 2016, 353, aaf7907.	6.0	570
726	Focus on Bio-Image Informatics. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, , .	1.0	13
727	De novo neurogenesis by targeted expression of Atoh7 to Müller glia cells. <i>Development (Cambridge)</i> , 2016, 143, 1874-83.	1.2	24
728	Intravital and Kidney Slice Imaging of Podocyte Membrane Dynamics. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3285-3290.	3.0	50
729	Clonal Analysis of Cells with Cellular Barcoding: When Numbers and Sizes Matter. <i>Methods in Molecular Biology</i> , 2016, 1516, 57-89.	0.4	33
730	Single-Cell Lineage Tracing Reveals that Oriented Cell Division Contributes to Trabecular Morphogenesis and Regional Specification. <i>Cell Reports</i> , 2016, 15, 158-170.	2.9	45
731	All-in-one construct for genome engineering using Cre-lox technology. <i>DNA Research</i> , 2016, 23, 263-270.	1.5	19
732	Astrocyte structural reactivity and plasticity in models of retinal detachment. <i>Experimental Eye Research</i> , 2016, 150, 4-21.	1.2	52

#	ARTICLE	IF	CITATIONS
733	Mouse Models for Drug Discovery. <i>Methods in Molecular Biology</i> , 2016, , .	0.4	5
734	Long-term in vivo single-cell tracking reveals the switch of migration patterns in adult-born juxtglomerular cells of the mouse olfactory bulb. <i>Cell Research</i> , 2016, 26, 805-821.	5.7	23
735	Neuromuscular Disease Models and Analysis. <i>Methods in Molecular Biology</i> , 2016, 1438, 349-394.	0.4	6
736	Cre Recombinase and Other Tyrosine Recombinases. <i>Chemical Reviews</i> , 2016, 116, 12785-12820.	23.0	104
737	The Toolbox for Conditional Zebrafish Cancer Models. <i>Advances in Experimental Medicine and Biology</i> , 2016, 916, 21-59.	0.8	17
738	Fate Mapping and Quantitation of Hematopoiesis In Vivo. <i>Annual Review of Immunology</i> , 2016, 34, 449-478.	9.5	57
739	Fluorescent Sensors for Imaging Zinc Dynamics in Biological Fluids. , 2016, , 314-339.		1
740	â€œMAPseqâ€œuencing Long-Range Neuronal Projections. <i>Neuron</i> , 2016, 91, 945-947.	3.8	0
741	Contemporary zebrafish transgenesis with Tol2 and application for Cre/lox recombination experiments. <i>Methods in Cell Biology</i> , 2016, 135, 219-244.	0.5	44
742	The GAL4 System: A Versatile System for the Manipulation and Analysis of Gene Expression. <i>Methods in Molecular Biology</i> , 2016, 1478, 33-52.	0.4	60
743	A photoactivatable Creâ€œloxP recombination system for optogenetic genome engineering. <i>Nature Chemical Biology</i> , 2016, 12, 1059-1064.	3.9	150
744	Tracing cell lineages with mutable barcodes. <i>Nature Biotechnology</i> , 2016, 34, 725-725.	9.4	1
746	Permutation Machines. <i>ACS Synthetic Biology</i> , 2016, 5, 827-834.	1.9	3
747	Odorant receptors can mediate axonal identity and gene choice via cAMP-independent mechanisms. <i>Open Biology</i> , 2016, 6, 160018.	1.5	13
748	Innervation of taste buds revealed with Brainbowâ€œlabeling in mouse. <i>Journal of Anatomy</i> , 2016, 229, 778-790.	0.9	12
749	Automatic Segmentation of Drosophila Neural Compartments Using GAL4 Expression Data Reveals Novel Visual Pathways. <i>Current Biology</i> , 2016, 26, 1943-1954.	1.8	76
750	Strategies for immunohistochemical protein localization using antibodies: What did we learn from neurotransmitter transporters in glial cells and neurons. <i>Glia</i> , 2016, 64, 2045-2064.	2.5	18
751	The Design and Testing of Multifunctional Nanoparticles for Drug Delivery Applications. , 2016, , 1-60.		1

#	ARTICLE	IF	CITATIONS
752	Cell migration during heart regeneration in zebrafish. <i>Developmental Dynamics</i> , 2016, 245, 774-787.	0.8	30
753	Identification, visualization and clonal analysis of intestinal stem cells in fish. <i>Development (Cambridge)</i> , 2016, 143, 3470-3480.	1.2	42
754	High-Throughput Mapping of Single-Neuron Projections by Sequencing of Barcoded RNA. <i>Neuron</i> , 2016, 91, 975-987.	3.8	272
756	From Cajal to Connectome and Beyond. <i>Annual Review of Neuroscience</i> , 2016, 39, 197-216.	5.0	157
758	Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. <i>Cell</i> , 2016, 167, 1310-1322.e17.	13.5	153
759	Toward Whole-Body Connectomics. <i>Journal of Neuroscience</i> , 2016, 36, 11375-11383.	1.7	24
760	Live Imaging of Axolotl Digit Regeneration Reveals Spatiotemporal Choreography of Diverse Connective Tissue Progenitor Pools. <i>Developmental Cell</i> , 2016, 39, 411-423.	3.1	125
761	Bimodal behaviour of interfollicular epidermal progenitors regulated by hair follicle position and cycling. <i>EMBO Journal</i> , 2016, 35, 2658-2670.	3.5	41
762	Single-Cell Analysis Uncovers Clonal Acinar Cell Heterogeneity in the Adult Pancreas. <i>Developmental Cell</i> , 2016, 39, 289-301.	3.1	82
763	Single-cell lineage tracing in the mammary gland reveals stochastic clonal dispersion of stem/progenitor cell progeny. <i>Nature Communications</i> , 2016, 7, 13053.	5.8	109
764	Clonal Proliferation and Stochastic Pruning Orchestrate Lymph Node Vasculature Remodeling. <i>Immunity</i> , 2016, 45, 877-888.	6.6	48
765	Highly efficient baculovirus-mediated multigene delivery in primary cells. <i>Nature Communications</i> , 2016, 7, 11529.	5.8	83
766	UbC-StarTrack, a clonal method to target the entire progeny of individual progenitors. <i>Scientific Reports</i> , 2016, 6, 33896.	1.6	36
767	Gene regulation and genetics in neurochemistry, past to future. <i>Journal of Neurochemistry</i> , 2016, 139, 24-57.	2.1	4
768	Olfactory basal stem cells: contribution of Polycomb group proteins to renewal in a novel c-Kit+ culture model and <i>in vivo</i> . <i>Development (Cambridge)</i> , 2016, 143, 4394-4404.	1.2	25
769	Light-inducible genetic engineering and control of non-homologous end-joining in industrial eukaryotic microorganisms: LML 3.0 and OFN 1.0. <i>Scientific Reports</i> , 2016, 6, 20761.	1.6	37
770	Imaging Cleared Embryonic and Postnatal Hearts at Single-cell Resolution. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	5
772	In Vivo Cell Tracking Using Two-Photon Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1444, 109-122.	0.4	6

#	ARTICLE	IF	CITATIONS
773	Image Informatics Strategies for Deciphering Neuronal Network Connectivity. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 219, 123-148.	1.0	5
774	Extreme obesity induces massive beta cell expansion in mice through self-renewal and does not alter the beta cell lineage. <i>Diabetologia</i> , 2016, 59, 1231-1241.	2.9	25
775	Roles of Wnt pathway genes <i>wls</i> , <i>wnt9a</i> , <i>wnt5b</i> , <i>frzb</i> and <i>gpc4</i> in regulating convergent-extension during palate morphogenesis. <i>Development (Cambridge)</i> , 2016, 143, 2541-7.	1.2	38
776	CMOS technology: a critical enabler for free-form electronics-based killer applications. , 2016, , .		0
777	Differentiation potential of individual olfactory c-Kit+ progenitors determined via multicolor lineage tracing. <i>Developmental Neurobiology</i> , 2016, 76, 241-251.	1.5	21
778	Imaging tumour cell heterogeneity following cell transplantation into optically clear immune-deficient zebrafish. <i>Nature Communications</i> , 2016, 7, 10358.	5.8	79
779	Reconciling diverse mammalian pigmentation patterns with a fundamental mathematical model. <i>Nature Communications</i> , 2016, 7, 10288.	5.8	53
780	Fate Mapping Mammalian Corneal Epithelia. <i>Ocular Surface</i> , 2016, 14, 82-99.	2.2	18
781	Dynamic Patterns of Clonal Evolution in Tumor Vasculature Underlie Alterations in Lymphocyte-Endothelial Recognition to Foster Tumor Immune Escape. <i>Cancer Research</i> , 2016, 76, 1348-1353.	0.4	23
782	T Cell Fate at the Single-Cell Level. <i>Annual Review of Immunology</i> , 2016, 34, 65-92.	9.5	131
783	Multicolor mapping of the cardiomyocyte proliferation dynamics that construct the atrium. <i>Development (Cambridge)</i> , 2016, 143, 1688-96.	1.2	23
784	Compact fixed wavelength femtosecond oscillators as an add-on for tunable Ti:sapphire lasers extend the range of applications towards multimodal imaging and optogenetics. , 2016, , .		0
785	Multicolor Cell Barcoding Technology for Long-Term Surveillance of Epithelial Regeneration in Zebrafish. <i>Developmental Cell</i> , 2016, 36, 668-680.	3.1	71
786	Psychiatric Neurotherapeutics. , 2016, , .		6
787	Future of Neurosurgery. , 2016, , 209-220.		1
788	Visualizing antibody affinity maturation in germinal centers. <i>Science</i> , 2016, 351, 1048-1054.	6.0	366
789	The cell-permeable A β 1-6A2VTAT(D) peptide reverts synaptopathy induced by A β 1-42wt. <i>Neurobiology of Disease</i> , 2016, 89, 101-111.	2.1	19
790	Advancing multiscale structural mapping of the brain through fluorescence imaging and analysis across length scales. <i>Interface Focus</i> , 2016, 6, 20150081.	1.5	8

#	ARTICLE	IF	CITATIONS
791	Whole-body and Whole-Organ Clearing and Imaging Techniques with Single-Cell Resolution: Toward Organism-Level Systems Biology in Mammals. <i>Cell Chemical Biology</i> , 2016, 23, 137-157.	2.5	263
792	Transplanted neurons integrate into adult retinas and respond to light. <i>Nature Communications</i> , 2016, 7, 10472.	5.8	141
793	Reconstructing Curvilinear Networks Using Path Classifiers and Integer Programming. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 2515-2530.	9.7	41
794	Neurological Diseases from a Systems Medicine Point of View. <i>Methods in Molecular Biology</i> , 2016, 1386, 221-250.	0.4	3
795	Mechanisms of Cardiac Regeneration. <i>Developmental Cell</i> , 2016, 36, 362-374.	3.1	233
796	Building and re-building the heart by cardiomyocyte proliferation. <i>Development (Cambridge)</i> , 2016, 143, 729-740.	1.2	227
797	Optogenetics. <i>Methods in Molecular Biology</i> , 2016, , .	0.4	4
798	Communication in Neural Circuits: Tools, Opportunities, and Challenges. <i>Cell</i> , 2016, 164, 1136-1150.	13.5	143
799	Super-Resolution Mapping of Neuronal Circuitry With an Index-Optimized Clearing Agent. <i>Cell Reports</i> , 2016, 14, 2718-2732.	2.9	227
800	Site-specific recombinases: molecular machines for the Genetic Revolution. <i>Biochemical Journal</i> , 2016, 473, 673-684.	1.7	76
801	Recent advancement in the challenges to connectomics. <i>Microscopy (Oxford, England)</i> , 2016, 65, 97-107.	0.7	12
802	Synthetic biology: applying biological circuits beyond novel therapies. <i>Integrative Biology (United)</i> Tj ETQq1 1 0.784314 rgBT /Overlook 0.6 19		
803	DTI Analysis Methods: Fibre Tracking and Connectivity. , 2016, , 205-228.		3
804	Bioinformatics approaches to single-cell analysis in developmental biology. <i>Molecular Human Reproduction</i> , 2016, 22, 182-192.	1.3	18
805	Symmetry breaking in the early mammalian embryo: the case for quantitative single-cell imaging analysis. <i>Molecular Human Reproduction</i> , 2016, 22, 172-181.	1.3	4
806	Stargazing: Monitoring subcellular dynamics of brain astrocytes. <i>Neuroscience</i> , 2016, 323, 84-95.	1.1	29
807	G gene-deficient single-round rabies viruses for neuronal circuit analysis. <i>Virus Research</i> , 2016, 216, 41-54.	1.1	36
808	Decoding astrocyte heterogeneity: New tools for clonal analysis. <i>Neuroscience</i> , 2016, 323, 10-19.	1.1	31

#	ARTICLE	IF	CITATIONS
809	Cancer cell identification by bicolored ZnO and TiO ₂ nanowires. <i>Journal of Biophotonics</i> , 2017, 10, 92-97.	1.1	3
810	Imaging the pharmacology of nanomaterials by intravital microscopy: Toward understanding their biological behavior. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 61-86.	6.6	60
811	Infrared laser-induced gene expression for tracking development and function of single <i>C. elegans</i> embryonic neurons. <i>Nature Communications</i> , 2017, 8, 14100.	5.8	38
812	Optical Barcoding for Single-Clone Tracking to Study Tumor Heterogeneity. <i>Molecular Therapy</i> , 2017, 25, 621-633.	3.7	32
813	Building a lineage from single cells: genetic techniques for cell lineage tracking. <i>Nature Reviews Genetics</i> , 2017, 18, 230-244.	7.7	204
814	<i>Rb1</i> and <i>Trp53</i> cooperate to suppress prostate cancer lineage plasticity, metastasis, and antiandrogen resistance. <i>Science</i> , 2017, 355, 78-83.	6.0	767
815	Hyperspectral phasor analysis enables multiplexed 5D in vivo imaging. <i>Nature Methods</i> , 2017, 14, 149-152.	9.0	124
816	The glia of the adult <i>Drosophila</i> nervous system. <i>Glia</i> , 2017, 65, 606-638.	2.5	218
817	Cellular plasticity in cardiovascular development and disease. <i>Developmental Dynamics</i> , 2017, 246, 328-335.	0.8	6
818	ATF3 expression in cardiomyocytes preserves homeostasis in the heart and controls peripheral glucose tolerance. <i>Cardiovascular Research</i> , 2017, 113, 134-146.	1.8	51
819	Two-Photon Absorption of Cationic Conjugated Polyelectrolytes: Effects of Aggregation and Application to 2-Photon-Sensitized Fluorescence from Green Fluorescent Protein. <i>Chemistry of Materials</i> , 2017, 29, 3295-3303.	3.2	26
820	Second-Generation <i>Drosophila</i> Chemical Tags: Sensitivity, Versatility, and Speed. <i>Genetics</i> , 2017, 205, 1399-1408.	1.2	25
821	Inhibiting clathrin-mediated endocytosis of the leucine-rich G protein-coupled receptor-5 diminishes cell fitness. <i>Journal of Biological Chemistry</i> , 2017, 292, 7208-7222.	1.6	28
823	Nonlinear adaptive optics: aberration correction in three photon fluorescence microscopy for mouse brain imaging. , 2017, , .		2
824	A Lentiviral Fluorescent Genetic Barcoding System for Flow Cytometry-Based Multiplex Tracking. <i>Molecular Therapy</i> , 2017, 25, 606-620.	3.7	16
825	Patterned cell and matrix dynamics in branching morphogenesis. <i>Journal of Cell Biology</i> , 2017, 216, 559-570.	2.3	98
826	Lymph Node Stroma Dynamics and Approaches for Their Visualization. <i>Trends in Immunology</i> , 2017, 38, 236-247.	2.9	19
827	Fluorescence Microscopy: A Concise Guide to Current Imaging Methods. <i>Current Protocols in Neuroscience</i> , 2017, 79, 2.1.1-2.1.25.	2.6	73

#	ARTICLE	IF	CITATIONS
828	Differential Clonal Expansion in an Invading Cell Population: Clonal Advantage or Dumb Luck?. <i>Cells Tissues Organs</i> , 2017, 203, 105-113.	1.3	10
829	Context-dependent intravital imaging of therapeutic response using intramolecular FRET biosensors. <i>Methods</i> , 2017, 128, 78-94.	1.9	37
830	A larger palette for biological imaging. <i>Nature</i> , 2017, 544, 423-424.	13.7	0
831	Unraveling cell-to-cell signaling networks with chemical biology. <i>Nature Chemical Biology</i> , 2017, 13, 564-568.	3.9	26
832	Sub-100-nm metafluorophores with digitally tunable optical properties self-assembled from DNA. <i>Science Advances</i> , 2017, 3, e1602128.	4.7	58
833	Using Zebrafish to Study Pathways that Regulate Hematopoietic Stem Cell Self-Renewal and Migration. <i>Stem Cell Reports</i> , 2017, 8, 1465-1471.	2.3	15
834	An intracellular dance visualized. <i>Nature</i> , 2017, 546, 39-40.	13.7	6
835	Kupffer Cell-Derived Tnf Triggers Cholangiocellular Tumorigenesis through JNK due to Chronic Mitochondrial Dysfunction and ROS. <i>Cancer Cell</i> , 2017, 31, 771-789.e6.	7.7	140
836	Genetic Lineage Tracing in Taste Tissues Using Sox2-CreERT2 Strain. <i>Chemical Senses</i> , 2017, 42, 547-552.	1.1	25
837	Fluorescent Proteins for Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2017, 80, 9.12.1-9.12.20.	3.7	5
838	Cardiac regenerative medicine: At the crossroad of microRNA function and biotechnology. <i>Non-coding RNA Research</i> , 2017, 2, 27-37.	2.4	8
839	Localized hepatic lobular regeneration by central-vein-associated lineage-restricted progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3654-3659.	3.3	8
840	Mapping brain structure and function: cellular resolution, global perspective. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 245-264.	0.7	4
841	Genetically encoded fluorescent tags. <i>Molecular Biology of the Cell</i> , 2017, 28, 848-857.	0.9	104
842	Multiparametric Imaging of Organ System Interfaces. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	6
843	Single-Molecule Localization Microscopy in Eukaryotes. <i>Chemical Reviews</i> , 2017, 117, 7478-7509.	23.0	337
844	Anatomy and spatial organization of Müller glia in mouse retina. <i>Journal of Comparative Neurology</i> , 2017, 525, 1759-1777.	0.9	71
845	Quantitative approaches for investigating the spatial context of gene expression. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2017, 9, e1369.	6.6	41

#	ARTICLE	IF	CITATIONS
846	Superficial cells are self-renewing chondrocyte progenitors, which form the articular cartilage in juvenile mice. <i>FASEB Journal</i> , 2017, 31, 1067-1084.	0.2	92
847	Deep Learning for Computer Architects. <i>Synthesis Lectures on Computer Architecture</i> , 2017, 12, 1-123.	1.3	28
848	Imaging Neural Architecture in Brainbow Samples. <i>Methods in Molecular Biology</i> , 2017, 1642, 211-228.	0.4	9
849	Site-Specific Recombinases. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	1
850	Cell cycle dynamics and complement expression distinguishes mature haematopoietic subsets arising from hemogenic endothelium. <i>Cell Cycle</i> , 2017, 16, 1835-1847.	1.3	16
851	Mechanisms of Müller glial cell morphogenesis. <i>Current Opinion in Neurobiology</i> , 2017, 47, 31-37.	2.0	25
852	Regeneration Genetics. <i>Annual Review of Genetics</i> , 2017, 51, 63-82.	3.2	37
853	Lapsyn controls branch extension and positioning of astrocyte-like glia in the <i>Drosophila</i> optic lobe. <i>Nature Communications</i> , 2017, 8, 317.	5.8	25
854	Different developmental histories of beta-cells generate functional and proliferative heterogeneity during islet growth. <i>Nature Communications</i> , 2017, 8, 664.	5.8	53
855	UbasM: An effective balanced optical clearing method for intact biomedical imaging. <i>Scientific Reports</i> , 2017, 7, 12218.	1.6	56
856	Mouse models of metastasis: progress and prospects. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1061-1074.	1.2	216
857	Embryonic hematopoiesis under microscopic observation. <i>Developmental Biology</i> , 2017, 428, 318-327.	0.9	18
858	Lentiviral Fluorescent Genetic Barcoding for Multiplex Fate Tracking of Leukemic Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 6, 54-65.	1.8	13
859	Lasing in Live Mitotic and Non-Phagocytic Cells by Efficient Delivery of Microresonators. <i>Scientific Reports</i> , 2017, 7, 40877.	1.6	41
860	Exploring the significance of morphological diversity for cerebellar granule cell excitability. <i>Scientific Reports</i> , 2017, 7, 46147.	1.6	22
861	An optogenetic toolbox for unbiased discovery of functionally connected cells in neural circuits. <i>Nature Communications</i> , 2017, 8, 116.	5.8	60
862	The Current State of the Neuroanatomy Toolkit in the Fruit Fly <i>Drosophila melanogaster</i> . , 2017, , 3-39.		4
864	Dual ifgMosaic: A Versatile Method for Multispectral and Combinatorial Mosaic Gene-Function Analysis. <i>Cell</i> , 2017, 170, 800-814.e18.	13.5	63

#	ARTICLE	IF	CITATIONS
865	Diversity of astroglial responses across human neurodegenerative disorders and brain aging. <i>Brain Pathology</i> , 2017, 27, 645-674.	2.1	109
866	Using Purified Tyrosine Site-Specific Recombinases In Vitro to Rapidly Construct and Diversify Metabolic Pathways. <i>Methods in Molecular Biology</i> , 2017, 1642, 285-302.	0.4	4
867	Pathways to clinical CLARITY: volumetric analysis of irregular, soft, and heterogeneous tissues in development and disease. <i>Scientific Reports</i> , 2017, 7, 5899.	1.6	33
868	Fluorescent Polymer Nanoparticles for Cell Barcoding In Vitro and In Vivo. <i>Small</i> , 2017, 13, 1701582.	5.2	95
869	Methods for lineage tracing on the organism-wide level. <i>Current Opinion in Cell Biology</i> , 2017, 49, 16-21.	2.6	31
870	Application of MultiColor FlpOut Technique to Study High Resolution Single Cell Morphologies and Cell Interactions of Glia in <i>Drosophila</i> . <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
871	Mechanisms of radial glia progenitor cell lineage progression. <i>FEBS Letters</i> , 2017, 591, 3993-4008.	1.3	92
872	Multicolor lineage tracing reveals clonal architecture and dynamics in colon cancer. <i>Nature Communications</i> , 2017, 8, 1406.	5.8	46
873	Morphological Constraints on Cerebellar Granule Cell Combinatorial Diversity. <i>Journal of Neuroscience</i> , 2017, 37, 12153-12166.	1.7	29
874	Spectral reading of optical resonance-encoded cells in microfluidics. <i>Lab on A Chip</i> , 2017, 17, 2777-2784.	3.1	21
875	Life-Long Genetic and Functional Access to Neural Circuits Using Self-Inactivating Rabies Virus. <i>Cell</i> , 2017, 170, 382-392.e14.	13.5	130
876	Procedures and applications of long-term intravital microscopy. <i>Methods</i> , 2017, 128, 52-64.	1.9	24
877	Systematic comparison of 2A peptides for cloning multi-genes in a polycistronic vector. <i>Scientific Reports</i> , 2017, 7, 2193.	1.6	426
878	Mammary Gland Development. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	3
879	Lineage Tracing of Mammary Stem and Progenitor Cells. <i>Methods in Molecular Biology</i> , 2017, 1501, 291-308.	0.4	8
880	The Purkinje cell as a model of synaptogenesis and synaptic specificity. <i>Brain Research Bulletin</i> , 2017, 129, 12-17.	1.4	12
881	Clonal fate mapping quantifies the number of haematopoietic stem cells that arise during development. <i>Nature Cell Biology</i> , 2017, 19, 17-27.	4.6	90
882	Programmable disorder in random DNA tilings. <i>Nature Nanotechnology</i> , 2017, 12, 251-259.	15.6	81

#	ARTICLE	IF	CITATIONS
883	Neurogenic Radial Glia-like Cells in Meninges Migrate and Differentiate into Functionally Integrated Neurons in the Neonatal Cortex. <i>Cell Stem Cell</i> , 2017, 20, 360-373.e7.	5.2	64
885	Automatic 3D Single Neuron Reconstruction with Exhaustive Tracing. , 2017, , .		4
886	Connectomes as constitutively epistemic objects: Critical perspectives on modeling in current neuroanatomy. <i>Progress in Brain Research</i> , 2017, 233, 149-177.	0.9	5
887	A Population Dynamics Model for Clonal Diversity in a Germinal Center. <i>Frontiers in Microbiology</i> , 2017, 8, 1693.	1.5	35
888	The Ratio of 2-AG to Its Isomer 1-AG as an Intrinsic Fine Tuning Mechanism of CB1 Receptor Activation. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 39.	1.8	24
889	Feasibility of 3D Reconstruction of Neural Morphology Using Expansion Microscopy and Barcode-Guided Agglomeration. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 97.	1.2	16
890	Fluorescence imaging of synapse dynamics in normal circuit maturation and in developmental disorders. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2017, 93, 483-497.	1.6	11
891	Volumetric multicolor multiphoton microscopy for neuron connectivity and cell lineage analysis. , 2017, , .		0
892	Rapid fluorescence imaging of spinal cord following epidural administration of a nerve-highlighting fluorophore. <i>Theranostics</i> , 2017, 7, 1863-1874.	4.6	14
893	Postnatal Migration of Cerebellar Interneurons. <i>Brain Sciences</i> , 2017, 7, 62.	1.1	31
894	The rise of photoresponsive protein technologies applications in vivo: a spotlight on zebrafish developmental and cell biology. <i>F1000Research</i> , 2017, 6, 459.	0.8	9
895	Super-resolution structural analysis of dendritic spines using three-dimensional structured illumination microscopy in cleared mouse brain slices. <i>European Journal of Neuroscience</i> , 2018, 47, 1033-1042.	1.2	10
896	Thy1-CYFP ^{CH} Mice and the Parallel Rod Floor Test to Evaluate Short- and Long-Term Progression of Traumatic Brain Injury. <i>Current Protocols in Immunology</i> , 2018, 120, 24.1.1-24.1.25.	3.6	5
897	Kaleido: Visualizing Big Brain Data with Automatic Color Assignment for Single-Neuron Images. <i>Neuroinformatics</i> , 2018, 16, 207-215.	1.5	0
898	Activation of mTORC1 in chondrocytes does not affect proliferation or differentiation, but causes the resting zone of the growth plate to become disordered. <i>Bone Reports</i> , 2018, 8, 64-71.	0.2	17
899	Genetic Dissection of Neural Circuits: A Decade of Progress. <i>Neuron</i> , 2018, 98, 256-281.	3.8	374
900	Single-cell Photoconversion in Living Intact Zebrafish. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	7
901	An Optical Neuron-Astrocyte Proximity Assay at Synaptic Distance Scales. <i>Neuron</i> , 2018, 98, 49-66.e9.	3.8	117

#	ARTICLE	IF	CITATIONS
902	Simultaneous lineage tracing and cell-type identification using CRISPRâ€‘Cas9-induced genetic scars. <i>Nature Biotechnology</i> , 2018, 36, 469-473.	9.4	396
903	Switch and Trace: Recombinase Genetics in Zebrafish. <i>Trends in Genetics</i> , 2018, 34, 362-378.	2.9	65
904	Imaging of mast cells. <i>Immunological Reviews</i> , 2018, 282, 58-72.	2.8	20
905	Mosaic Analysis in <i>Drosophila</i> . <i>Genetics</i> , 2018, 208, 473-490.	1.2	58
906	Clonal Expansion of Endothelial Cells Contributes to Ischemia-Induced Neovascularization. <i>Circulation Research</i> , 2018, 122, 670-677.	2.0	91
907	Serine Integrases: Advancing Synthetic Biology. <i>ACS Synthetic Biology</i> , 2018, 7, 299-310.	1.9	93
908	Unsupervised Learning and Pattern Recognition of Biological Data Structures with Density Functional Theory and Machine Learning. <i>Scientific Reports</i> , 2018, 8, 557.	1.6	25
909	Imaging organoids: a bright future ahead. <i>Nature Methods</i> , 2018, 15, 24-26.	9.0	118
910	Cre-lox Neurogenetics. , 2018, , 479-490.		0
911	The issue of the multipotency of the neural crest cells. <i>Developmental Biology</i> , 2018, 444, S47-S59.	0.9	82
912	New genetic tools for the in vivo study of hematopoietic stem cell function. <i>Experimental Hematology</i> , 2018, 61, 26-35.	0.2	12
913	Basic Research Advances on Pituitary Stem Cell Function and Regulation. <i>Neuroendocrinology</i> , 2018, 107, 196-203.	1.2	11
914	Whole-organism clone tracing using single-cell sequencing. <i>Nature</i> , 2018, 556, 108-112.	13.7	345
915	Flow Cytometry and Lineage Tracing Study for Identification of Adipocyte Precursor Cell (APC) Populations. <i>Methods in Molecular Biology</i> , 2018, 1752, 111-121.	0.4	1
916	Imaging genetics of schizophrenia in the post-GWAS era. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 80, 155-165.	2.5	28
917	Inhibitory neuronâ€‘specific Creâ€‘dependent red fluorescent labeling using VGAT BACâ€‘based transgenic mouse lines with identified transgene integration sites. <i>Journal of Comparative Neurology</i> , 2018, 526, 373-396.	0.9	13
919	Visualizing Astrocytes of the Optic Nerve. <i>Methods in Molecular Biology</i> , 2018, 1695, 269-286.	0.4	3
920	Single-Cell Dissociation and Characterization in the Murine Retina and Optic Nerve. <i>Methods in Molecular Biology</i> , 2018, 1695, 311-334.	0.4	5

#	ARTICLE	IF	CITATIONS
921	An interactive framework for whole-brain maps at cellular resolution. <i>Nature Neuroscience</i> , 2018, 21, 139-149.	7.1	204
922	Lineage Plasticity in Cancer Progression and Treatment. <i>Annual Review of Cancer Biology</i> , 2018, 2, 271-289.	2.3	66
923	Neural lineage tracing in the mammalian brain. <i>Current Opinion in Neurobiology</i> , 2018, 50, 7-16.	2.0	33
924	Morphology of Hippocampal Neurons. <i>Springer Series in Computational Neuroscience</i> , 2018, , 29-90.	0.3	1
925	RoMo: An efficient strategy for functional mosaic analysis via stochastic Cre recombination and gene targeting in the <i>Rosa26</i> locus. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1778-1792.	1.7	2
926	Memory and Time Efficient 3D Neuron Morphology Tracing in Large-Scale Images. , 2018, , .		8
927	The regulation of the homeostasis and regeneration of peripheral nerve is distinct from the CNS and independent of a stem cell population. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	62
928	Bright multicolor labeling of neuronal circuits with fluorescent proteins and chemical tags. <i>ELife</i> , 2018, 7, .	2.8	48
929	Simultaneous Acquisition of Multicolor Information From Neural Circuits in Resin-Embedded Samples. <i>Frontiers in Neuroscience</i> , 2018, 12, 885.	1.4	17
930	Zebrafish research: Rewriting the rulebook. <i>Methods</i> , 2018, 150, 1-2.	1.9	0
931	Epidermal γ T cells originate from yolk sac hematopoiesis and clonally self-renew in the adult. <i>Journal of Experimental Medicine</i> , 2018, 215, 2994-3005.	4.2	80
932	Methodological Improvements With Conductive Materials for Volume Imaging of Neural Circuits by Electron Microscopy. <i>Frontiers in Neural Circuits</i> , 2018, 12, 108.	1.4	6
933	Single Cell Adhesion in Cancer Progression. , 2018, , 1-39.		0
934	Clonal analysis by tunable CRISPR-mediated excision. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	9
935	Neural Cell Segmentation in Large-Scale 3D Color Fluorescence Microscopy Images for Developmental Neuroscience. , 2018, , .		1
936	Mapping Transgene Insertion Sites Reveals Complex Interactions Between Mouse Transgenes and Neighboring Endogenous Genes. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 385.	1.4	43
937	Full reconstruction of large lobula plate tangential cells in <i>Drosophila</i> from a 3D EM dataset. <i>PLoS ONE</i> , 2018, 13, e0207828.	1.1	19
938	Perfluorocarbon-Based ¹⁹ F MRI Nanoprobes for In Vivo Multicolor Imaging. <i>Angewandte Chemie</i> , 2018, 130, 16984-16989.	1.6	11

#	ARTICLE	IF	CITATIONS
939	Evidence for a Neogenic Niche at the Periphery of Pancreatic Islets. <i>BioEssays</i> , 2018, 40, e1800119.	1.2	13
940	Towards quantitative and multiplexed in vivo functional cancer genomics. <i>Nature Reviews Genetics</i> , 2018, 19, 741-755.	7.7	45
941	Wide-Field Functional Microscopy of Peripheral Nerve Injury and Regeneration. <i>Scientific Reports</i> , 2018, 8, 14004.	1.6	23
942	Genetic Engineering of Human Embryonic Stem Cells for Precise Cell Fate Tracing during Human Lineage Development. <i>Stem Cell Reports</i> , 2018, 11, 1257-1271.	2.3	16
943	Cerebral Cavernous Malformations Develop Through Clonal Expansion of Mutant Endothelial Cells. <i>Circulation Research</i> , 2018, 123, 1143-1151.	2.0	83
944	Illumination of neural development by in vivo clonal analysis. <i>Cell Regeneration</i> , 2018, 7, 33-39.	1.1	4
945	ROSA26 reporter mouse lines and image analyses reveal the distinct region-specific cell behaviors in the visceral endoderm. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	7
946	Real-Time Determination of the Cell-Cycle Position of Individual Cells within Live Tumors Using FUCCI Cell-Cycle Imaging. <i>Cells</i> , 2018, 7, 168.	1.8	20
947	Electroluminescent synaptic devices with logic functions. <i>Nano Energy</i> , 2018, 54, 383-389.	8.2	80
948	Perfluorocarbon-Based ¹⁹ F MRI Nanoprobes for In Vivo Multicolor Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16742-16747.	7.2	73
949	Cellular barcoding: lineage tracing, screening and beyond. <i>Nature Methods</i> , 2018, 15, 871-879.	9.0	136
950	Astrocyte calcium signaling: Interplay between structural and dynamical patterns. <i>Chaos</i> , 2018, 28, 106320.	1.0	15
951	Guidelines and best practices in successfully using Zebrow for lineage tracing multiple cells within tissues. <i>Methods</i> , 2018, 150, 63-67.	1.9	6
952	Multimodal Chemical Analysis of the Brain by High Mass Resolution Mass Spectrometry and Infrared Spectroscopic Imaging. <i>Analytical Chemistry</i> , 2018, 90, 11572-11580.	3.2	53
953	Light-assisted dynamic titration: from theory to an experimental protocol. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23998-24010.	1.3	1
954	Plant Pathogenic Fungi and Oomycetes. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	4
955	Individual identification and marking techniques for zebrafish. <i>Reviews in Fish Biology and Fisheries</i> , 2018, 28, 839-864.	2.4	23
956	Application of the Cre/lox System to Construct Auxotrophic Markers for Quantitative Genetic Analyses in <i>Fusarium graminearum</i> . <i>Methods in Molecular Biology</i> , 2018, 1848, 235-263.	0.4	4

#	ARTICLE	IF	CITATIONS
957	Morphometric analysis of astrocytes in brainstem respiratory regions. <i>Journal of Comparative Neurology</i> , 2018, 526, 2032-2047.	0.9	44
958	Rainbow-Seq: Combining Cell Lineage Tracing with Single-Cell RNA Sequencing in Preimplantation Embryos. <i>IScience</i> , 2018, 7, 16-29.	1.9	9
959	Emerging applications for DNA writers and molecular recorders. <i>Science</i> , 2018, 361, 870-875.	6.0	80
960	Stem cell safe harbor: the hematopoietic stem cell niche in zebrafish. <i>Blood Advances</i> , 2018, 2, 3063-3069.	2.5	37
961	Integrin beta3 regulates clonality and fate of smooth muscle-derived atherosclerotic plaque cells. <i>Nature Communications</i> , 2018, 9, 2073.	5.8	135
962	Rapid pathway prototyping and engineering using in vitro and in vivo synthetic genome SCRaMble-in methods. <i>Nature Communications</i> , 2018, 9, 1936.	5.8	101
963	Cell Lineage Tracing in Zebrafish Embryos with an Expanded Genetic Code. <i>ChemBioChem</i> , 2018, 19, 1244-1249.	1.3	22
964	Assessing Muscle Stem Cell Clonal Complexity During Aging. <i>Methods in Molecular Biology</i> , 2018, 2045, 1-11.	0.4	3
965	Designing cell function: assembly of synthetic gene circuits for cell biology applications. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 507-525.	16.1	205
966	Creating Lineage Trajectory Maps Via Integration of Single-Cell RNA Sequencing and Lineage Tracing. <i>BioEssays</i> , 2018, 40, e1800056.	1.2	21
967	Multifunctional Neural Interfaces for Closed-Loop Control of Neural Activity. <i>Advanced Functional Materials</i> , 2018, 28, 1703523.	7.8	22
968	A universal vector concept for a direct genotyping of transgenic organisms and a systematic creation of homozygous lines. <i>ELife</i> , 2018, 7, .	2.8	13
969	Defining Lineage Potential and Fate Behavior of Precursors during Pancreas Development. <i>Developmental Cell</i> , 2018, 46, 360-375.e5.	3.1	38
970	Immersive, Social Applications for 8K Displays. , 2018, , .		1
971	Handbook of Big Data Analytics. <i>Springer Handbooks of Computational Statistics</i> , 2018, , .	0.2	19
972	Physiology of Astroglia. <i>Physiological Reviews</i> , 2018, 98, 239-389.	13.1	1,044
973	Neutral lineage tracing of proliferative embryonic and adult mammary stem/progenitor cells. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	40
974	Bridging Density Functional Theory and Big Data Analytics with Applications. <i>Springer Handbooks of Computational Statistics</i> , 2018, , 351-374.	0.2	1

#	ARTICLE	IF	CITATIONS
975	Quintuple labeling in the electron microscope with genetically encoded enhanced horseradish peroxidase. PLoS ONE, 2018, 13, e0200693.	1.1	9
976	Discovering Macrophage Functions Using In Vivo Optical Imaging Techniques. Frontiers in Immunology, 2018, 9, 502.	2.2	22
977	Dynamic cytoplasmic projections connect mammalian spermatogonia <i>in vivo</i> . Development (Cambridge), 2018, 145, .	1.2	14
978	Spatiotemporal Labeling of Melanocytes in Mice. International Journal of Molecular Sciences, 2018, 19, 1469.	1.8	4
979	Concepts in Light Microscopy of Viruses. Viruses, 2018, 10, 202.	1.5	44
980	Cellomics approach for high-throughput functional annotation of Caenorhabditis elegans neural network. Scientific Reports, 2018, 8, 10380.	1.6	8
981	Two-photon probes for in vivo multicolor microscopy of the structure and signals of brain cells. Brain Structure and Function, 2018, 223, 3011-3043.	1.2	42
982	Linking neuronal lineage and wiring specificity. Neural Development, 2018, 13, 5.	1.1	37
983	Reassessing endothelial-to-mesenchymal transition in cardiovascular diseases. Nature Reviews Cardiology, 2018, 15, 445-456.	6.1	179
984	Computer Simulation of Multi-Color Brainbow Staining and Clonal Evolution of B Cells in Germinal Centers. Frontiers in Immunology, 2018, 9, 2020.	2.2	22
985	Fluorescent genetic barcoding for cellular multiplex analyses. Experimental Hematology, 2018, 67, 10-17.	0.2	5
986	Dual genetic tracing system identifies diverse and dynamic origins of cardiac valve mesenchyme. Development (Cambridge), 2018, 145, .	1.2	35
987	Characterization of the neuroinvasive profile of a pseudorabies virus recombinant expressing the mTurquoise2 reporter in single and multiple injection experiments. Journal of Neuroscience Methods, 2018, 308, 228-239.	1.3	9
988	Stem cell bioengineering: building from stem cell biology. Nature Reviews Genetics, 2018, 19, 595-614.	7.7	76
989	Targeting Astrocytes With Viral Gene Therapy for Alzheimer's Disease. , 2018, , 97-138.		0
990	Neural stem cell heterogeneity in the mammalian forebrain. Progress in Neurobiology, 2018, 170, 2-36.	2.8	15
991	Three-dimensional intact-tissue sequencing of single-cell transcriptional states. Science, 2018, 361, .	6.0	890
992	Multiplexed Division Tracking Dyes for Proliferation-Based Clonal Lineage Tracing. Journal of Immunology, 2018, 201, 1097-1103.	0.4	13

#	ARTICLE	IF	CITATIONS
993	Development of the renal vasculature. <i>Seminars in Cell and Developmental Biology</i> , 2019, 91, 132-146.	2.3	34
994	Anatomy, development, and plasticity of the neurosecretory hypothalamus in zebrafish. <i>Cell and Tissue Research</i> , 2019, 375, 5-22.	1.5	26
995	Towards Differential Connectomics with NeuroVISAS. <i>Neuroinformatics</i> , 2019, 17, 163-179.	1.5	4
996	Wavelength-encoded laser particles for massively multiplexed cell tagging. <i>Nature Photonics</i> , 2019, 13, 720-727.	15.6	113
997	Segmenting Neuronal Structure in 3D Optical Microscope Images via Knowledge Distillation with Teacher-Student Network. , 2019, , .		24
998	Modeling Gliomas Using Two Recombinases. <i>Cancer Research</i> , 2019, 79, 3983-3991.	0.4	12
999	Unlimited Genetic Switches for Cell-Type-Specific Manipulation. <i>Neuron</i> , 2019, 104, 227-238.e7.	3.8	29
1000	Automated segmentation of brain cells for clonal analyses in fluorescence microscopy images. <i>Journal of Neuroscience Methods</i> , 2019, 325, 108348.	1.3	8
1001	The Emerging Nature of Astrocyte Diversity. <i>Annual Review of Neuroscience</i> , 2019, 42, 187-207.	5.0	309
1002	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. <i>Journal of Cell Biology</i> , 2019, 218, 2797-2811.	2.3	18
1003	Imaging, Visualization, and Computation in Developmental Biology. <i>Annual Review of Biomedical Data Science</i> , 2019, 2, 223-251.	2.8	11
1004	Recording development with single cell dynamic lineage tracing. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	115
1005	New Neurons in the Post-ischemic and Injured Brain: Migrating or Resident?. <i>Frontiers in Neuroscience</i> , 2019, 13, 588.	1.4	28
1006	Comparison of Gene Delivery to the Kidney by Adenovirus, Adeno-Associated Virus, and Lentiviral Vectors After Intravenous and Direct Kidney Injections. <i>Human Gene Therapy</i> , 2019, 30, 1559-1571.	1.4	47
1007	Xenopus Resources: Transgenic, Inbred and Mutant Animals, Training Opportunities, and Web-Based Support. <i>Frontiers in Physiology</i> , 2019, 10, 387.	1.3	44
1008	Unravelling cellular relationships during development and regeneration using genetic lineage tracing. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 753-765.	16.1	124
1009	Clonal Genetic Tracing using the Confetti Mouse to Study Mineralized Tissues. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
1010	Megawatt peak power, octave-spanning Ti:sapphire oscillators. <i>Applied Physics Express</i> , 2019, 12, 102009.	1.1	3

#	ARTICLE	IF	CITATIONS
1011	Imaging Flies by Fluorescence Microscopy: Principles, Technologies, and Applications. <i>Genetics</i> , 2019, 211, 15-34.	1.2	45
1012	Multiplexed laser particles for spatially resolved single-cell analysis. <i>Light: Science and Applications</i> , 2019, 8, 74.	7.7	28
1013	Automated Quantification With Sub-Micrometer Scale Precision In Volumetric Multicolor Multiphoton Microscopy Images. , 2019, , .		0
1014	The extended chondrocyte lineage: implications for skeletal homeostasis and disorders. <i>Current Opinion in Cell Biology</i> , 2019, 61, 132-140.	2.6	20
1015	Unsupervised machine learning using an imaging mass spectrometry dataset automatically reassembles grey and white matter. <i>Scientific Reports</i> , 2019, 9, 13213.	1.6	12
1016	Exploiting Molecular Barcodes in High-Throughput Cellular Assays. <i>SLAS Technology</i> , 2019, 24, 298-307.	1.0	6
1017	Stimulating Cardiogenesis as a Treatment for Heart Failure. <i>Circulation Research</i> , 2019, 124, 1647-1657.	2.0	59
1018	DNA barcodes evolve for high-resolution cell lineage tracing. <i>Current Opinion in Chemical Biology</i> , 2019, 52, 63-71.	2.8	20
1019	Endothelial cell clonal expansion in the development of cerebral cavernous malformations. <i>Nature Communications</i> , 2019, 10, 2761.	5.8	87
1020	DNA sequencing in high-throughput neuroanatomy. <i>Journal of Chemical Neuroanatomy</i> , 2019, 100, 101653.	1.0	1
1021	Brilliant blue, green, yellow, and red fluorescent diamond particles: synthesis, characterization, and multiplex imaging demonstrations. <i>Nanoscale</i> , 2019, 11, 11584-11595.	2.8	22
1022	Lgr5+ stem/progenitor cells reside at the apex of a heterogeneous embryonic hepatoblast pool. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	51
1023	Epidermal stem cell lineages. <i>Advances in Stem Cells and Their Niches</i> , 2019, 3, 31-72.	0.1	1
1024	Recent Advances in the Genetic Dissection of Neural Circuits in <i>Drosophila</i> . <i>Neuroscience Bulletin</i> , 2019, 35, 1058-1072.	1.5	27
1025	Rational Engineering of XCaMPs, a Multicolor GECI Suite for In Vivo Imaging of Complex Brain Circuit Dynamics. <i>Cell</i> , 2019, 177, 1346-1360.e24.	13.5	199
1026	Multicolor lineage tracing using in vivo time-lapse imaging reveals coordinated death of clonally related cells in the developing vertebrate brain. <i>Developmental Biology</i> , 2019, 453, 130-140.	0.9	16
1027	Multidimensional Fluorescence Microscopy for Simultaneous Functional and Structural Imaging. <i>Biophysical Journal</i> , 2019, 116, 1787-1789.	0.2	1
1028	Imaging Peripheral Nerve Regeneration: A New Technique for 3D Visualization of Axonal Behavior. <i>Journal of Surgical Research</i> , 2019, 242, 207-213.	0.8	13

#	ARTICLE	IF	CITATIONS
1029	Dye-Surfactant Solution of Coomassie Brilliant Blue G250 and Tween 20: Micellar and Interaction Parametric Studies. <i>AATCC Journal of Research</i> , 2019, 6, 20-27.	0.3	6
1030	Trans-synaptic Neural Circuit-Tracing with Neurotropic Viruses. <i>Neuroscience Bulletin</i> , 2019, 35, 909-920.	1.5	38
1031	A Cleared View on Retinal Organoids. <i>Cells</i> , 2019, 8, 391.	1.8	39
1032	A Brief History of Simulation Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 32.	1.3	47
1033	High mitogenic stimulation arrests angiogenesis. <i>Nature Communications</i> , 2019, 10, 2016.	5.8	68
1034	Origin and differentiation trajectories of fibroblastic reticular cells in the splenic white pulp. <i>Nature Communications</i> , 2019, 10, 1739.	5.8	73
1035	Multiplex clonal analysis in the chick embryo using retrovirally-mediated combinatorial labeling. <i>Developmental Biology</i> , 2019, 450, 1-8.	0.9	17
1036	Genetically Encoded Fluorescent Proteins Enable High-Throughput Assignment of Cell Cohorts Directly from MALDI-MS Images. <i>Analytical Chemistry</i> , 2019, 91, 3810-3817.	3.2	3
1037	Tissue clonality of dendritic cell subsets and emergency DCpoiesis revealed by multicolor fate mapping of DC progenitors. <i>Science Immunology</i> , 2019, 4, .	5.6	93
1038	Cell migration promotes dynamic cellular interactions to control cerebral cortex morphogenesis. <i>Nature Reviews Neuroscience</i> , 2019, 20, 318-329.	4.9	88
1039	Analysis of Neuroâ€Neuronal Synapses Using Embryonic Chick Ciliary Ganglion via Singleâ€Axon Tracing, Electrophysiology, and Optogenetic Techniques. <i>Current Protocols in Neuroscience</i> , 2019, 87, e64.	2.6	2
1040	Lineage tracing using a Cas9-deaminase barcoding system targeting endogenous L1 elements. <i>Nature Communications</i> , 2019, 10, 1234.	5.8	36
1041	Multicolor multiscale brain imaging with chromatic multiphoton serial microscopy. <i>Nature Communications</i> , 2019, 10, 1662.	5.8	75
1042	The Neural Crest: A Remarkable Model System for Studying Development and Disease. <i>Methods in Molecular Biology</i> , 2019, 1976, 1-19.	0.4	4
1043	Precise segmentation of densely interweaving neuron clusters using G-Cut. <i>Nature Communications</i> , 2019, 10, 1549.	5.8	28
1044	Reactive cholangiocytes differentiate into proliferative hepatocytes with efficient DNA repair in mice with chronic liver injury. <i>Journal of Hepatology</i> , 2019, 70, 1180-1191.	1.8	61
1045	Multispectral tracing in densely labeled mouse brain with nTracer. <i>Bioinformatics</i> , 2019, 35, 3544-3546.	1.8	23
1046	Proximal recolonization by self-renewing microglia re-establishes microglial homeostasis in the adult mouse brain. <i>PLoS Biology</i> , 2019, 17, e3000134.	2.6	115

#	ARTICLE	IF	CITATIONS
1047	A method using electroporation for the protein delivery of Cre recombinase into cultured Arabidopsis cells with an intact cell wall. <i>Scientific Reports</i> , 2019, 9, 2163.	1.6	25
1048	Chemical Biology Gateways to Mapping Location, Association, and Pathway Responsivity. <i>Frontiers in Chemistry</i> , 2019, 7, 125.	1.8	8
1049	A radical switch in clonality reveals a stem cell niche in the epiphyseal growth plate. <i>Nature</i> , 2019, 567, 234-238.	13.7	153
1050	Decoupled epineurial and axonal deformation in mouse median and ulnar nerves. <i>Muscle and Nerve</i> , 2019, 59, 619-628.	1.0	6
1051	Single cell transcriptomics: moving towards multi-omics. <i>Analyst, The</i> , 2019, 144, 3172-3189.	1.7	34
1052	Applications of Fluorescent Protein-Based Sensors in Bioimaging. <i>Topics in Medicinal Chemistry</i> , 2019, , 149-183.	0.4	3
1053	Multiscale Kernels for Enhanced U-Shaped Network to Improve 3D Neuron Tracing. , 2019, , .		9
1054	Cardiomyocyte orientation modulated by the Numb family proteinsâ€N-cadherin axis is essential for ventricular wall morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15560-15569.	3.3	22
1055	Peripheral (not central) corneal epithelia contribute to the closure of an annular debridement injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26633-26643.	3.3	25
1056	Wiring Up the Brain: Axon Navigation. , 2019, , 119-158.		3
1057	Optical Imaging in Brainsmatics. <i>Photonics</i> , 2019, 6, 98.	0.9	4
1058	A cancer rainbow mouse for visualizing the functional genomics of oncogenic clonal expansion. <i>Nature Communications</i> , 2019, 10, 5490.	5.8	31
1059	Identification of Neuronal Lineages in the Drosophila Peripheral Nervous System with a â€œDigitalâ€• Multi-spectral Lineage Tracing System. <i>Cell Reports</i> , 2019, 29, 3303-3312.e3.	2.9	18
1060	Astrocyte Infection Is Required for Retrovirus-Induced Spongiform Neurodegeneration Despite Suppressed Viral Protein Expression. <i>Frontiers in Neuroscience</i> , 2019, 13, 1166.	1.4	5
1061	Wedge prism approach for simultaneous multichannel microscopy. <i>Scientific Reports</i> , 2019, 9, 17795.	1.6	5
1062	Development of an <i>in vivo</i> model to study clonal lineage relationships in hematopoietic cells using <i>Brainbow2.1/Confetti</i> mice. <i>Future Science OA</i> , 2019, 5, FSO427.	0.9	6
1063	Gateway Reflex: A Neuro-Immune Crosstalk for Organ-Specific Disease Development. , 2019, , .		0
1064	Hyperspectral scanning laser optical tomography. <i>Journal of Biophotonics</i> , 2019, 12, e201800221.	1.1	2

#	ARTICLE	IF	CITATIONS
1065	Genetic Analysis of the Organization, Development, and Plasticity of Corneal Innervation in Mice. <i>Journal of Neuroscience</i> , 2019, 39, 1150-1168.	1.7	20
1066	An update on the Golgi staining technique improving cerebellar cell type specificity. <i>Histochemistry and Cell Biology</i> , 2019, 151, 327-341.	0.8	7
1067	Imaging whole nervous systems: insights into behavior from worms to fish. <i>Nature Methods</i> , 2019, 16, 14-15.	9.0	10
1068	The Marmoset as a Model for Visual Neuroscience. , 2019, , 377-413.		4
1069	Reprogramming the brain with synthetic neurobiology. <i>Current Opinion in Biotechnology</i> , 2019, 58, 37-44.	3.3	2
1070	Cell-autonomous clock of astrocytes drives circadian behavior in mammals. <i>Science</i> , 2019, 363, 187-192.	6.0	241
1071	Using time-lapse fluorescence microscopy to study gene regulation. <i>Methods</i> , 2019, 159-160, 138-145.	1.9	13
1072	Combining near-infrared fluorescence with Brainbow to visualize expression of specific genes within a multicolor context. <i>Molecular Biology of the Cell</i> , 2019, 30, 491-505.	0.9	16
1073	Modernization of Golgi staining techniques for high-resolution, 3-dimensional imaging of individual neurons. <i>Scientific Reports</i> , 2019, 9, 130.	1.6	32
1074	BMP-dependent, injury-induced stem cell niche as a mechanism of heterotopic ossification. <i>Stem Cell Research and Therapy</i> , 2019, 10, 14.	2.4	34
1075	The Laminal Organization of Piriform Cortex Follows a Selective Developmental and Migratory Program Established by Cell Lineage. <i>Cerebral Cortex</i> , 2019, 29, 1-16.	1.6	32
1076	Imaging methods used to study mouse and human HSC niches: Current and emerging technologies. <i>Bone</i> , 2019, 119, 19-35.	1.4	27
1077	Multiple cell types form the VIP amacrine cell population. <i>Journal of Comparative Neurology</i> , 2019, 527, 133-158.	0.9	20
1079	Increased density and age-related sharing of synapses at the cone to OFF bipolar cell synapse in the mouse retina. <i>Journal of Comparative Neurology</i> , 2020, 528, 1140-1156.	0.9	5
1080	Cellular Plasticity during Metastasis: New Insights Provided by Intravital Microscopy. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a037267.	2.9	10
1081	TraceMontage: A method for merging multiple independent neuronal traces. <i>Journal of Neuroscience Methods</i> , 2020, 332, 108560.	1.3	3
1082	Restricted Clonality and Limited Germinal Center Reentry Characterize Memory B Cell Reactivation by Boosting. <i>Cell</i> , 2020, 180, 92-106.e11.	13.5	220
1083	Methods in lineage tracing. , 2020, , 1887-1898.		3

#	ARTICLE	IF	CITATIONS
1084	Novel Approaches to the Molecular Mapping of the Brain: 3D Cyclic Immunohistochemistry and Optical Clearing. <i>Neuroscience and Behavioral Physiology</i> , 2020, 50, 73-80.	0.2	0
1085	In situ readout of DNA barcodes and single base edits facilitated by in vitro transcription. <i>Nature Biotechnology</i> , 2020, 38, 66-75.	9.4	52
1086	Triple-cell lineage tracing by a dual reporter on a single allele. <i>Journal of Biological Chemistry</i> , 2020, 295, 690-700.	1.6	16
1087	Genetic Tools to Study Cardiovascular Biology. <i>Frontiers in Physiology</i> , 2020, 11, 1084.	1.3	6
1088	DNA Damage Promotes Epithelial Hyperplasia and Fate Mis-specification via Fibroblast Inflammasome Activation. <i>Developmental Cell</i> , 2020, 55, 558-573.e6.	3.1	15
1089	Cell Signaling Pathway Reporters in Adult Hematopoietic Stem Cells. <i>Cells</i> , 2020, 9, 2264.	1.8	11
1090	Rational programming of history-dependent logic in cellular populations. <i>Nature Communications</i> , 2020, 11, 4758.	5.8	20
1091	Orderly compartmental mapping of premotor inhibition in the developing zebrafish spinal cord. <i>Science</i> , 2020, 370, 431-436.	6.0	29
1092	Neural crest lineage analysis: from past to future trajectory. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	35
1093	Tracing the cellular basis of islet specification in mouse pancreas. <i>Nature Communications</i> , 2020, 11, 5037.	5.8	14
1094	Upconversion optogenetic micro-nanosystem optically controls the secretion of light-responsive bacteria for systemic immunity regulation. <i>Communications Biology</i> , 2020, 3, 561.	2.0	19
1095	Biomedical Optical Sensors. <i>Biological and Medical Physics Series</i> , 2020, , .	0.3	3
1096	SPARC enables genetic manipulation of precise proportions of cells. <i>Nature Neuroscience</i> , 2020, 23, 1168-1175.	7.1	39
1097	Behavior-related gene regulatory networks: A new level of organization in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23270-23279.	3.3	52
1098	InÂvivo imaging of synaptogenesis. , 2020, , 33-53.		0
1099	Genetic analysis of synaptogenesis. , 2020, , 77-118.		0
1100	New imaging tools to study synaptogenesis. , 2020, , 119-148.		0
1101	Synaptogenesis in the adult CNSâ€”olfactory system. , 2020, , 255-274.		1

#	ARTICLE	IF	CITATIONS
1102	Single-Cell Visualization Deep in Brain Structures by Gene Transfer. <i>Frontiers in Neural Circuits</i> , 2020, 14, 586043.	1.4	2
1103	Measuring and modeling whole-brain neural dynamics in <i>Caenorhabditis elegans</i> . <i>Current Opinion in Neurobiology</i> , 2020, 65, 167-175.	2.0	15
1104	CRISPR Rube Goldberg machines for visualizing cell lineage. <i>Nature Neuroscience</i> , 2020, 23, 1469-1471.	7.1	1
1105	Regional Variation in Epidermal Susceptibility to UV-Induced Carcinogenesis Reflects Proliferative Activity of Epidermal Progenitors. <i>Cell Reports</i> , 2020, 31, 107702.	2.9	9
1106	BATTLE: Genetically Engineered Strategies for Split-Tunable Allocation of Multiple Transgenes in the Nervous System. <i>iScience</i> , 2020, 23, 101248.	1.9	8
1107	Brainwide Genetic Sparse Cell Labeling to Illuminate the Morphology of Neurons and Glia with Cre-Dependent MORF Mice. <i>Neuron</i> , 2020, 108, 111-127.e6.	3.8	37
1108	Tunable dynamics of B ¹ cell selection in gut germinal centres. <i>Nature</i> , 2020, 588, 321-326.	13.7	63
1109	Light microscopy based approach for mapping connectivity with molecular specificity. <i>Nature Communications</i> , 2020, 11, 4632.	5.8	32
1110	Human stem cell-based models for studying autism spectrum disorder-related neuronal dysfunction. <i>Molecular Autism</i> , 2020, 11, 99.	2.6	19
1111	Protocol for BATTLE-1EX: A High-Resolution Imaging Method to Visualize Whole Synaptic Structures and their Components in the Nervous System. <i>STAR Protocols</i> , 2020, 1, 100166.	0.5	2
1112	Fluorescent Labeling of Proteins of Interest in Live Cells: Beyond Fluorescent Proteins. <i>Bioconjugate Chemistry</i> , 2020, 31, 1587-1595.	1.8	52
1113	Yolk sac hematopoiesis: does it contribute to the adult hematopoietic system?. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4081-4091.	2.4	20
1114	Endogenous CRISPR/Cas9 arrays for scalable whole-organism lineage tracing. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	12
1115	Mutant EZH2 Induces a Pre-malignant Lymphoma Niche by Reprogramming the Immune Response. <i>Cancer Cell</i> , 2020, 37, 655-673.e11.	7.7	93
1116	Tools and Concepts for Interrogating and Defining Cellular Identity. <i>Cell Stem Cell</i> , 2020, 26, 632-656.	5.2	24
1117	Seeing the Confetti Colors in a New Light Utilizing Flow Cytometry and Imaging Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 811-823.	1.1	5
1119	Illuminating Cellular Biochemistry: Fluorogenic Chemogenetic Biosensors for Biological Imaging. <i>ChemPlusChem</i> , 2020, 85, 1487-1497.	1.3	13
1120	3D Conditional Adversarial Learning for Synthesizing Microscopic Neuron Image Using Skeleton-to-Neuron Translation. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
1121	Animal Models of Diabetes. <i>Methods in Molecular Biology</i> , 2020, , .	0.4	3
1122	Large-scale acoustic-driven neuronal patterning and directed outgrowth. <i>Scientific Reports</i> , 2020, 10, 4932.	1.6	17
1123	Readout of fluorescence functional signals through highly scattering tissue. <i>Nature Photonics</i> , 2020, 14, 361-364.	15.6	27
1124	Positional cues regulate dorsal organ formation in the liverwort <i>Marchantia polymorpha</i> . <i>Journal of Plant Research</i> , 2020, 133, 311-321.	1.2	28
1125	Principles of Genetic Engineering. <i>Genes</i> , 2020, 11, 291.	1.0	41
1126	MACS: Rapid Aqueous Clearing System for 3D Mapping of Intact Organs. <i>Advanced Science</i> , 2020, 7, 1903185.	5.6	52
1127	Clonal tracking using embedded viral barcoding and high-throughput sequencing. <i>Nature Protocols</i> , 2020, 15, 1436-1458.	5.5	20
1128	Mechanisms of tangential migration of interneurons in the developing forebrain. , 2020, , 345-363.		2
1129	The Source and Dynamics of Adult Hematopoiesis: Insights from Lineage Tracing. <i>Annual Review of Cell and Developmental Biology</i> , 2020, 36, 529-550.	4.0	33
1130	Fluorescence-free First Hyperpolarizability Values of Fluorescent Proteins and Channel Rhodopsins. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112658.	2.0	4
1131	Site-Specific Recombination with Inverted Target Sites: A Cautionary Tale of Dicentric and Acentric Chromosomes. <i>Genetics</i> , 2020, 215, 923-930.	1.2	5
1132	Intestinal stem cells and intestinal organoids. <i>Journal of Genetics and Genomics</i> , 2020, 47, 289-299.	1.7	7
1133	BRICseq Bridges Brain-wide Interregional Connectivity to Neural Activity and Gene Expression in Single Animals. <i>Cell</i> , 2020, 182, 177-188.e27.	13.5	58
1134	A Rainbow Reporter Tracks Single Cells and Reveals Heterogeneous Cellular Dynamics among Pluripotent Stem Cells and Their Differentiated Derivatives. <i>Stem Cell Reports</i> , 2020, 15, 226-241.	2.3	16
1135	<i>Thy1</i> promoter activity in the <i>Rosa26</i> locus in mice: lessons from Dre- <i>rox</i> conditional expression system. <i>Experimental Animals</i> , 2020, 69, 287-294.	0.7	1
1136	Activation of Meiotic Genes Mediates Ploidy Reduction during Cryptococcal Infection. <i>Current Biology</i> , 2020, 30, 1387-1396.e5.	1.8	27
1137	An inducible Cre mouse line to sparsely target nervous system cells, including Remak Schwann cells. <i>Neural Development</i> , 2020, 15, 2.	1.1	4
1138	Dynamic contrast with reversibly photoswitchable fluorescent labels for imaging living cells. <i>Chemical Science</i> , 2020, 11, 2882-2887.	3.7	6

#	ARTICLE	IF	CITATIONS
1139	Quantifying Hematopoietic Stem Cell Clonal Diversity by Selecting Informative Amplicon Barcodes. <i>Scientific Reports</i> , 2020, 10, 2153.	1.6	4
1140	Discovering New Progenitor Cell Populations through Lineage Tracing and In Vivo Imaging. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035618.	2.3	9
1141	Tissue-Resident PDGFR α^+ Progenitor Cells Contribute to Fibrosis versus Healing in a Context- and Spatiotemporally Dependent Manner. <i>Cell Reports</i> , 2020, 30, 555-570.e7.	2.9	43
1143	Clones assemble! The clonal complexity of blood during ontogeny and disease. <i>Experimental Hematology</i> , 2020, 83, 35-47.	0.2	10
1144	Pre-processing visualization of hyperspectral fluorescent data with Spectrally Encoded Enhanced Representations. <i>Nature Communications</i> , 2020, 11, 726.	5.8	16
1145	Development and validation of a reporter cell line for rapid AAV quality control assessment. <i>MethodsX</i> , 2020, 7, 100800.	0.7	3
1146	Understanding the In Vivo Fate of Advanced Materials by Imaging. <i>Advanced Functional Materials</i> , 2020, 30, 1910369.	7.8	5
1147	Defining the Design Principles of Skin Epidermis Postnatal Growth. <i>Cell</i> , 2020, 181, 604-620.e22.	13.5	65
1148	Transgenic models for investigating the nervous system: Currently available neurofluorescent reporters and potential neuronal markers. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129595.	1.1	3
1149	High-complexity extracellular barcoding using a viral hemagglutinin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2767-2769.	3.3	2
1150	Genetic lineage tracing with multiple DNA recombinases: A user's guide for conducting more precise cell fate mapping studies. <i>Journal of Biological Chemistry</i> , 2020, 295, 6413-6424.	1.6	39
1151	Sparse Labeling and Neural Tracing in Brain Circuits by STARS Strategy: Revealing Morphological Development of Type II Spiral Ganglion Neurons. <i>Cerebral Cortex</i> , 2021, 31, 2759-2772.	1.6	5
1152	Identification of retinal ganglion cell types and brain nuclei expressing the transcription factor Brn3c/Pou4f3 using a Cre recombinase knock-in allele. <i>Journal of Comparative Neurology</i> , 2021, 529, 1926-1953.	0.9	9
1153	Deciphering neural heterogeneity through cell lineage tracing. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1971-1982.	2.4	9
1154	Migrating Schwann cells direct axon regeneration within the peripheral nerve bridge. <i>Glia</i> , 2021, 69, 235-254.	2.5	124
1155	Elucidating host-microbe interactions <i>in vivo</i> by studying population dynamics using neutral genetic tags. <i>Immunology</i> , 2021, 162, 341-356.	2.0	10
1156	Multi-color clonal tracking reveals intra-stage proliferative heterogeneity during mammary tumor progression. <i>Oncogene</i> , 2021, 40, 12-27.	2.6	17
1157	New insights on the reparative cells in bone regeneration and repair. <i>Biological Reviews</i> , 2021, 96, 357-375.	4.7	11

#	ARTICLE	IF	CITATIONS
1158	ScxLin cells directly form a subset of chondrocytes in temporomandibular joint that are sharply increased in Dmp1-null mice. <i>Bone</i> , 2021, 142, 115687.	1.4	7
1159	The art of lineage tracing: From worm to human. <i>Progress in Neurobiology</i> , 2021, 199, 101966.	2.8	9
1160	Next-Generation Lineage Tracing and Fate Mapping to Interrogate Development. <i>Developmental Cell</i> , 2021, 56, 7-21.	3.1	69
1161	In vivo cell tracking with viral vector mediated genetic labeling. <i>Journal of Neuroscience Methods</i> , 2021, 350, 109021.	1.3	2
1162	Imaging and optogenetic modulation of vascular mural cells in the live brain. <i>Nature Protocols</i> , 2021, 16, 472-496.	5.5	32
1163	Current Status of Tissue Clearing and the Path Forward in Neuroscience. <i>ACS Chemical Neuroscience</i> , 2021, 12, 5-29.	1.7	10
1164	Long term intravital single cell tracking under multiphoton microscopy. <i>Journal of Neuroscience Methods</i> , 2021, 349, 109042.	1.3	3
1165	The Genetic Basis of Reporter Mouse Strains. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 551-564.	0.8	0
1166	Bacteriophage Use in Molecular Biology and Biotechnology. , 2021, , 465-506.		3
1167	Optical clearing of living brains with MAGICAL to extend in vivo imaging. <i>iScience</i> , 2021, 24, 101888.	1.9	9
1168	Tracing goes viral: Viruses that introduce expression of fluorescent proteins in chemically-specific neurons. <i>Journal of Neuroscience Methods</i> , 2021, 348, 109004.	1.3	2
1169	NeuroPAL: A Multicolor Atlas for Whole-Brain Neuronal Identification in <i>C.Âlegans</i> . <i>Cell</i> , 2021, 184, 272-288.e11.	13.5	132
1170	Label-Free Multimodal Multiphoton Intravital Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021, 3233, 127-146.	0.8	0
1173	Recording of elapsed time and temporal information about biological events using Cas9. <i>Cell</i> , 2021, 184, 1047-1063.e23.	13.5	29
1175	Completion of neuronal remodeling prompts myelination along developing motor axon branches. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	7
1176	Understanding cornea epithelial stem cells and stem cell deficiency: Lessons learned using vertebrate model systems. <i>Genesis</i> , 2021, 59, e23411.	0.8	6
1177	Neuromuscular reinnervation efficacy using a YFP model. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 569-580.	0.5	1
1178	Sequential semi-supervised segmentation for serial electron microscopy image with small number of labels. <i>Journal of Neuroscience Methods</i> , 2021, 351, 109066.	1.3	7

#	ARTICLE	IF	CITATIONS
1179	Sequencing-Based High-Throughput Neuroanatomy: From Mapseq to Bricseq and Beyond. <i>Neuroscience Bulletin</i> , 2021, 37, 746-750.	1.5	1
1180	Super-resolving Microscopy in Neuroscience. <i>Chemical Reviews</i> , 2021, 121, 11971-12015.	23.0	40
1181	Fibroblastic reticular cell lineage convergence in Peyer's patches governs intestinal immunity. <i>Nature Immunology</i> , 2021, 22, 510-519.	7.0	35
1182	The Role of Cell Tracing and Fate Mapping Experiments in Cardiac Outflow Tract Development, New Opportunities through Emerging Technologies. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 47.	0.8	2
1183	Unsupervised Neural Tracing In Densely Labeled Multispectral Brainbow Images. , 2021, , .		1
1185	Dual recombinases-based genetic lineage tracing for stem cell research with enhanced precision. <i>Science China Life Sciences</i> , 2021, 64, 2060-2072.	2.3	15
1186	Tracking single cells in zebrafish brain. <i>Journal of Neuroscience Methods</i> , 2021, 353, 109086.	1.3	2
1188	Azo-Enhanced Raman Scattering for Enhancing the Sensitivity and Tuning the Frequency of Molecular Vibrations. <i>ACS Central Science</i> , 2021, 7, 768-780.	5.3	20
1189	Application of the Mirror Technique for Three-Dimensional Electron Microscopy of Neurochemically Identified GABA-ergic Dendrites. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 652422.	0.9	1
1190	Imaging cell lineage with a synthetic digital recording system. <i>Science</i> , 2021, 372, .	6.0	78
1191	Early stem cell aging in the mature brain. <i>Cell Stem Cell</i> , 2021, 28, 955-966.e7.	5.2	78
1192	A cellular and spatial map of the choroid plexus across brain ventricles and ages. <i>Cell</i> , 2021, 184, 3056-3074.e21.	13.5	150
1193	The Intestinal Epithelium â€“ Fluid Fate and Rigid Structure From Crypt Bottom to Villus Tip. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 661931.	1.8	27
1194	Neuronal classification from network connectivity via adjacency spectral embedding. <i>Network Neuroscience</i> , 2021, 5, 1-22.	1.4	5
1195	Differentiation and activation of fibroblastic reticular cells. <i>Immunological Reviews</i> , 2021, 302, 32-46.	2.8	25
1196	Tutorial: practical considerations for tissue clearing and imaging. <i>Nature Protocols</i> , 2021, 16, 2732-2748.	5.5	51
1197	Mechanisms and outcomes of the supercharged end-to-side nerve transfer: a review of preclinical and clinical studies. <i>Journal of Neurosurgery</i> , 2021, 134, 1590-1598.	0.9	10
1198	Intravital microscopy imaging of kidney injury and regeneration. <i>Renal Replacement Therapy</i> , 2021, 7, .	0.3	4

#	ARTICLE	IF	CITATIONS
1199	Improvement of the Similarity Spectral Unmixing Approach for Multiplexed Two-Photon Imaging by Linear Dimension Reduction of the Mixing Matrix. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6046.	1.8	5
1200	Five trendy technologies: where are they now?. <i>Nature</i> , 2021, 594, 602-604.	13.7	0
1202	An Improved Lentiviral Fluorescent Genetic Barcoding Approach Distinguishes Hematopoietic Stem Cell Properties in Multiplexed <i>In Vivo</i> Experiments. <i>Human Gene Therapy</i> , 2021, 32, 1280-1294.	1.4	5
1203	Heterogeneity and Development of Fine Astrocyte Morphology Captured by Diffraction-Limited Microscopy. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 669280.	1.8	25
1204	Caged Cumate Enables Proximity-Dependent Control Over Gene Expression. <i>ChemBioChem</i> , 2021, 22, 2440-2448.	1.3	1
1205	Photoacoustic Neuroimaging - Perspectives on a Maturing Imaging Technique and its Applications in Neuroscience. <i>Frontiers in Neuroscience</i> , 2021, 15, 655247.	1.4	18
1206	A local regulatory T cell feedback circuit maintains immune homeostasis by pruning self-activated T cells. <i>Cell</i> , 2021, 184, 3981-3997.e22.	13.5	66
1207	Features of hippocampal astrocytic domains and their spatial relation to excitatory and inhibitory neurons. <i>Glia</i> , 2021, 69, 2378-2390.	2.5	22
1208	Assessment of heterogeneity in collective endothelial cell behavior with multicolor clonal cell tracking to predict arteriovenous remodeling. <i>Cell Reports</i> , 2021, 36, 109395.	2.9	2
1209	From whole organism to ultrastructure: progress in axonal imaging for decoding circuit development. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	2
1210	Single-laser-based simultaneous four-wavelength excitation source for femtosecond two-photon fluorescence microscopy. <i>Biomedical Optics Express</i> , 2021, 12, 4661.	1.5	5
1211	Transcriptional and epigenetic control of hematopoietic stem cell fate decisions in vertebrates. <i>Developmental Biology</i> , 2021, 475, 156-164.	0.9	13
1212	Application of genetic cell-lineage tracing technology to study cardiovascular diseases. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 57-68.	0.9	3
1213	A deterministic genotyping workflow reduces waste of transgenic individuals by two-thirds. <i>Scientific Reports</i> , 2021, 11, 15325.	1.6	2
1214	Interactive analysis for large volume data from fluorescence microscopy at cellular precision. <i>Computers and Graphics</i> , 2021, 98, 138-149.	1.4	1
1215	Spatial omics and multiplexed imaging to explore cancer biology. <i>Nature Methods</i> , 2021, 18, 997-1012.	9.0	279
1216	Mechanics and self-organization in tissue development. <i>Seminars in Cell and Developmental Biology</i> , 2021, 120, 147-159.	2.3	13
1217	Persistent RNA virus infection is short-lived at the single-cell level but leaves transcriptomic footprints. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	3

#	ARTICLE	IF	CITATIONS
1218	Restricted differentiative capacity of Wt1-expressing peritoneal mesothelium in postnatal and adult mice. <i>Scientific Reports</i> , 2021, 11, 15940.	1.6	5
1219	Tissue clearing and 3D imaging “ putting immune cells into context. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	6
1221	Basic principles of hydrogel-based tissue transformation technologies and their applications. <i>Cell</i> , 2021, 184, 4115-4136.	13.5	37
1222	Tetris in the Nervous System: What Principles of Neuronal Tiling Can Tell Us About How Glia Play the Game. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 734938.	1.8	4
1223	Unraveling Tumor Heterogeneity by Using DNA Barcoding Technologies to Develop Personalized Treatment Strategies in Advanced-Stage PDAC. <i>Cancers</i> , 2021, 13, 4187.	1.7	4
1224	Benchmarked approaches for reconstruction of in vitro cell lineages and in silico models of <i>C. elegans</i> and <i>M. musculus</i> developmental trees. <i>Cell Systems</i> , 2021, 12, 810-826.e4.	2.9	36
1225	Potential of Multiscale Astrocyte Imaging for Revealing Mechanisms Underlying Neurodevelopmental Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10312.	1.8	8
1227	Architectures of neuronal circuits. <i>Science</i> , 2021, 373, eabg7285.	6.0	112
1228	Whole-body clonal mapping identifies giant dominant clones in zebrafish skin epidermis. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	5
1229	Single platelet and megakaryocyte morpho-dynamics uncovered by multicolor reporter mouse strains <i>in vitro</i> and <i>in vivo</i>. <i>Haematologica</i> , 2022, 107, 1669-1680.	1.7	3
1230	Tissue optical clearing for 3D visualization of vascular networks: A review. <i>Vascular Pharmacology</i> , 2021, 141, 106905.	1.0	10
1231	Emerging strategies for the genetic dissection of gene functions, cell types, and neural circuits in the mammalian brain. <i>Molecular Psychiatry</i> , 2022, 27, 422-435.	4.1	2
1232	Cell proliferation fate mapping reveals regional cardiomyocyte cell-cycle activity in subendocardial muscle of left ventricle. <i>Nature Communications</i> , 2021, 12, 5784.	5.8	33
1234	Protein Engineering for Molecular Imaging. , 2021, , 753-770.		0
1236	Quantal Analysis of Endplate Potentials in Mouse Flexor Digitorum Brevis Muscle. <i>Current Protocols in Mouse Biology</i> , 2011, 1, 429-444.	1.2	4
1237	One-Step Vital Staining of Presynaptic Terminals and Post-synaptic Receptors at Neuromuscular Junctions in Mouse Skeletal Muscle. <i>Current Protocols in Mouse Biology</i> , 2011, 1, 489-496.	1.2	1
1238	Serial Block Face-Scanning Electron Microscopy: A Method to Study Retinal Degenerative Phenotypes. <i>Current Protocols in Mouse Biology</i> , 2014, 4, 197-204.	1.2	11
1239	Intersectional targeting of defined neural circuits by adeno-associated virus vectors. <i>Journal of Neuroscience Research</i> , 2021, 99, 981-990.	1.3	14

#	ARTICLE	IF	CITATIONS
1240	Generation and Applications of MADM-Based Mouse Genetic Mosaic System. <i>Methods in Molecular Biology</i> , 2014, 1194, 187-201.	0.4	13
1241	Intravital Microscopy for Atherosclerosis Research. <i>Methods in Molecular Biology</i> , 2015, 1339, 41-60.	0.4	2
1242	Optogenetic Control of Fibroblast Growth Factor Receptor Signaling. <i>Methods in Molecular Biology</i> , 2016, 1408, 345-362.	0.4	4
1243	Live Imaging Mouse Embryonic Development: Seeing Is Believing and Revealing. <i>Methods in Molecular Biology</i> , 2014, 1092, 405-420.	0.4	13
1244	Neuromuscular Disease Models and Analysis. <i>Methods in Molecular Biology</i> , 2010, 602, 347-393.	0.4	30
1245	Engineering the Mouse Genome to Model Human Disease for Drug Discovery. <i>Methods in Molecular Biology</i> , 2010, 602, 55-77.	0.4	16
1246	The CRE/lox System as a Tool for Developmental Studies at the Cell and Tissue Level. <i>Methods in Molecular Biology</i> , 2010, 655, 47-64.	0.4	9
1247	Molecular Mechanisms Regulating Adult Stem Cell Self-Renewal. , 2011, , 3-33.		1
1248	Lineage Tracing of Tissue-Specific Stem Cells In Vivo. , 2011, , 135-161.		1
1249	Viral Vectors for Optogenetics of Hypothalamic Neuropeptides. <i>Neuromethods</i> , 2014, , 311-329.	0.2	6
1250	Dynamic Neuroanatomy at Subcellular Resolution in the Zebrafish. <i>Methods in Molecular Biology</i> , 2014, 1082, 187-195.	0.4	4
1251	The Cre/Lox System to Assess the Development of the Mouse Brain. <i>Methods in Molecular Biology</i> , 2014, 1082, 295-313.	0.4	7
1252	Flybow to Dissect Circuit Assembly in the Drosophila Brain. <i>Methods in Molecular Biology</i> , 2014, 1082, 57-69.	0.4	28
1253	Neurobiologie der GlÃ¼cksspielsucht. , 2009, , 45-65.		2
1254	Seeing Is Believing: Noninvasive Microscopic Imaging Modalities for Tissue Engineering and Regenerative Medicine. , 2020, , 599-638.		9
1255	Optical Imaging. , 2017, , 403-490.		1
1256	Two-Photon Imaging of the Immune System: A Custom Technology Platform for High-Speed, Multicolor Tissue Imaging of Immune Responses. <i>Current Topics in Microbiology and Immunology</i> , 2009, 334, 1-29.	0.7	36
1257	The Role of MicroRNAs in Neurodegenerative Diseases: Implications for Early Detection and Treatment. , 2012, , 443-473.		1

#	ARTICLE	IF	CITATIONS
1258	2012: The Connectome, WBE and AGI. Lecture Notes in Computer Science, 2012, , 41-49.	1.0	2
1259	Live Imaging of Subcellular Structures and Cellular Processes in Mouse Intraperitoneal Organs. , 2014, , 163-185.		1
1260	Analyzing Retinal Axon Guidance in Zebrafish. Methods in Cell Biology, 2010, 100, 2-26.	0.5	18
1261	trLRET microscopy: Ultrasensitive imaging of lanthanide luminophores. Methods in Enzymology, 2020, 640, 225-248.	0.4	1
1262	Triple-cell lineage tracing by a dual reporter on a single allele. Journal of Biological Chemistry, 2020, 295, 690-700.	1.6	14
1263	Principles and Techniques of Biochemistry and Molecular Biology. , 2010, , .		70
1264	Know Your Model: A brief history of making mutant mouse genetic models. Lab Animal, 2021, 50, 263-266.	0.2	6
1265	High density carbon fiber arrays for chronic electrophysiology, fast scan cyclic voltammetry, and correlative anatomy. Journal of Neural Engineering, 2020, 17, 056029.	1.8	32
1266	Recombinant subtype A and B human respiratory syncytial virus clinical isolates co-infect the respiratory tract of cotton rats. Journal of General Virology, 2020, 101, 1056-1068.	1.3	5
1286	A most formidable arsenal: genetic technologies for building a better mouse. Genes and Development, 2020, 34, 1256-1286.	2.7	24
1287	The connectomics challenge. Functional Neurology, 2013, 28, 167-73.	1.3	16
1288	Transcription factor TBX4 regulates myofibroblast accumulation and lung fibrosis. Journal of Clinical Investigation, 2016, 126, 3063-3079.	3.9	101
1289	Neuronal hypothalamic regulation of body metabolism and bone density is galanin dependent. Journal of Clinical Investigation, 2018, 128, 2626-2641.	3.9	32
1290	Recent advances in microscopic techniques for visualizing leukocytes in vivo. F1000Research, 2016, 5, 915.	0.8	12
1291	Review of micro-optical sectioning tomography (MOST): technology and applications for whole-brain optical imaging [Invited]. Biomedical Optics Express, 2019, 10, 4075.	1.5	22
1292	Measurement of 3-photon excitation and emission spectra and verification of Kasha's rule for selected fluorescent proteins excited at the 1700-nm window. Optics Express, 2019, 27, 12723.	1.7	14
1293	Hyperspectral multiphoton microscopy for in vivo visualization of multiple, spectrally overlapped fluorescent labels. Optica, 2020, 7, 1587.	4.8	24
1294	Cre-Dependent Expression of Multiple Transgenes in Isolated Neurons of the Adult Forebrain. PLoS ONE, 2008, 3, e3059.	1.1	11

#	ARTICLE	IF	CITATIONS
1295	A Genetic Strategy for Stochastic Gene Activation with Regulated Sparseness (STARS). PLoS ONE, 2009, 4, e4200.	1.1	15
1296	On Optical Detection of Densely Labeled Synapses in Neuropil and Mapping Connectivity with Combinatorially Multiplexed Fluorescent Synaptic Markers. PLoS ONE, 2010, 5, e8853.	1.1	24
1297	Automated Analysis of Cryptococcal Macrophage Parasitism Using GFP-Tagged Cryptococci. PLoS ONE, 2010, 5, e15968.	1.1	58
1298	Induction of Cell Stress in Neurons from Transgenic Mice Expressing Yellow Fluorescent Protein: Implications for Neurodegeneration Research. PLoS ONE, 2011, 6, e17639.	1.1	24
1299	3D Multicolor Super-Resolution Imaging Offers Improved Accuracy in Neuron Tracing. PLoS ONE, 2012, 7, e30826.	1.1	67
1300	High-Throughput Single-Cell Manipulation in Brain Tissue. PLoS ONE, 2012, 7, e35603.	1.1	14
1301	mBeRFP, an Improved Large Stokes Shift Red Fluorescent Protein. PLoS ONE, 2013, 8, e64849.	1.1	40
1302	Computational Tissue Volume Reconstruction of a Peripheral Nerve Using High-Resolution Light-Microscopy and Reconstruct. PLoS ONE, 2013, 8, e66191.	1.1	6
1303	Versatile and Simple Approach to Determine Astrocyte Territories in Mouse Neocortex and Hippocampus. PLoS ONE, 2013, 8, e69143.	1.1	79
1304	Optical Imaging of Neuronal Activity and Visualization of Fine Neural Structures in Non-Desheathed Nervous Systems. PLoS ONE, 2014, 9, e103459.	1.1	17
1305	PiggyBac Mediated Multiplex Gene Transfer in Mouse Embryonic Stem Cell. PLoS ONE, 2014, 9, e115072.	1.1	9
1306	Multibow: Digital Spectral Barcodes for Cell Tracing. PLoS ONE, 2015, 10, e0127822.	1.1	15
1307	Multiplexed Spectral Imaging of 120 Different Fluorescent Labels. PLoS ONE, 2016, 11, e0158495.	1.1	74
1308	A MultiSite Gateway Toolkit for Rapid Cloning of Vertebrate Expression Constructs with Diverse Research Applications. PLoS ONE, 2016, 11, e0159277.	1.1	16
1309	A Single Vector Platform for High-Level Gene Transduction of Central Neurons: Adeno-Associated Virus Vector Equipped with the Tet-Off System. PLoS ONE, 2017, 12, e0169611.	1.1	41
1310	Simulated blast overpressure induces specific astrocyte injury in an ex vivo brain slice model. PLoS ONE, 2017, 12, e0175396.	1.1	15
1311	An organotypic slice culture to study the formation of calyx of Held synapses in-vitro. PLoS ONE, 2017, 12, e0175964.	1.1	8
1312	Lineage Tracing: Computational Reconstruction Goes Beyond the Limit of Imaging. Molecules and Cells, 2019, 42, 104-112.	1.0	33

#	ARTICLE	IF	CITATIONS
1313	Real-Time Temporal Dynamics of Bicistronic Expression Mediated by Internal Ribosome Entry Site and 2A Cleaving Sequence. <i>Molecules and Cells</i> , 2019, 42, 418-425.	1.0	5
1314	Single-Cell Reconstruction of Oxytocinergic Neurons Reveals Separate Hypophysiotropic and Encephalotropic Subtypes in Larval Zebrafish. <i>ENeuro</i> , 2017, 4, ENEURO.0278-16.2016.	0.9	27
1315	Home for a rest: stem cell niche of the postnatal growth plate. <i>Journal of Endocrinology</i> , 2020, 246, R1-R11.	1.2	12
1316	New artery of knowledge: 3D models of angiogenesis. <i>Vascular Biology (Bristol, England)</i> , 2019, 1, H135-H143.	1.2	7
1317	In Vivo Genetic Strategies for the Specific Lineage Tracing of Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 230-238.	0.6	2
1318	Simultaneous multiple allelic replacement in the malaria parasite enables dissection of PKG function. <i>Life Science Alliance</i> , 2020, 3, e201900626.	1.3	27
1319	Spectral imaging in preclinical research and clinical pathology. <i>Analytical Cellular Pathology</i> , 2012, 35, 339-61.	0.7	14
1320	Near Simultaneous Laser Scanning Confocal and Atomic Force Microscopy (Conpokal) on Live Cells. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	8
1321	Uncovering the stem cell hierarchy by genetic lineage tracing in the mammary gland. <i>AIMS Genetics</i> , 2016, 03, 130-145.	1.9	1
1322	Recombinant Green Fluorescent Protein Derivatives as a Fusion Tag for in vitro Experiments. <i>Interdisciplinary Bio Central</i> , 2009, 1, 1-15.	0.1	3
1323	Evaluating alternative stem cell hypotheses for adult corneal epithelial maintenance. <i>World Journal of Stem Cells</i> , 2015, 7, 281.	1.3	52
1324	Astonishing advances in mouse genetic tools for biomedical research. <i>Swiss Medical Weekly</i> , 2015, 145, w14186.	0.8	15
1325	The expanding reach of the GAL4/UAS system into the behavioral neurobiology of <i>Drosophila</i> . <i>BMB Reports</i> , 2009, 42, 705-712.	1.1	32
1326	The REST remodeling complex protects genomic integrity during embryonic neurogenesis. <i>ELife</i> , 2016, 5, e09584.	2.8	61
1327	Untwisting the <i>Caenorhabditis elegans</i> embryo. <i>ELife</i> , 2015, 4, .	2.8	33
1328	Building a functional connectome of the <i>Drosophila</i> central complex. <i>ELife</i> , 2018, 7, .	2.8	112
1329	FluoEM, virtual labeling of axons in three-dimensional electron microscopy data for long-range connectomics. <i>ELife</i> , 2018, 7, .	2.8	23
1330	Mutationally-activated PI3K TM -kinase- $\hat{\pm}$ promotes de-differentiation of lung tumors initiated by the BRAFV600E oncoprotein kinase. <i>ELife</i> , 2019, 8, .	2.8	18

#	ARTICLE	IF	CITATIONS
1331	An ancestral apical brain region contributes to the central complex under the control of foxQ2 in the beetle <i>Tribolium</i> . <i>ELife</i> , 2019, 8, .	2.8	23
1332	In vivo single-cell lineage tracing in zebrafish using high-resolution infrared laser-mediated gene induction microscopy. <i>ELife</i> , 2020, 9, .	2.8	16
1333	Ultrasound Activation of Mechanosensory Ion Channels in <i>Caenorhabditis Elegans</i> . <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 473-479.	1.7	12
1334	Development of recombinase-based targeted integration systems for production of exogenous proteins using transposon-mediated landing pads. <i>Current Research in Biotechnology</i> , 2021, 3, 269-280.	1.9	1
1335	Bone Marrow-Derived Alk1 Mutant Endothelial Cells and Clonally Expanded Somatic Alk1 Mutant Endothelial Cells Contribute to the Development of Brain Arteriovenous Malformations in Mice. <i>Translational Stroke Research</i> , 2022, 13, 494-504.	2.3	8
1337	Expansion light sheet fluorescence microscopy of extended biological samples: Applications and perspectives. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 168, 33-33.	1.4	6
1338	Tubular Cell Cycle Response upon AKI: Revising Old and New Paradigms to Identify Novel Targets for CKD Prevention. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11093.	1.8	15
1339	Pulpbow: A Method to Study the Vasculogenic Potential of Mesenchymal Stem Cells from the Dental Pulp. <i>Cells</i> , 2021, 10, 2804.	1.8	3
1341	Colours light up brain structure. <i>Nature</i> , 0, , .	13.7	0
1342	Multidimensional functional optical imaging of the brain. , 2008, , .		0
1343	Multidimensional functional optical imaging of the brain. , 2008, , .		0
1344	Fluorescent Sensors of Membrane Potential that Are Genetically Encoded. , 2009, , 27-43.		0
1345	Synapse Formation in the Mammalian Central Nervous System. , 2009, , 85-106.		0
1346	Closing Comments on the Brain and Art. , 2009, , 51-58.		0
1347	Multicolor Imaging with Fluorescent Proteins in Mice. <i>Reviews in Fluorescence</i> , 2010, , 277-301.	0.5	0
1348	Chapter 5. Realistic Models of Neurons Require Quantitative Information at the Single-cell Level. <i>RSC Nanoscience and Nanotechnology</i> , 2010, , 45-53.	0.2	0
1349	Emerging Concepts and Techniques. , 2010, , 731-741.		0
1350	A MISUNDERSTOOD MUSCLE PROBLEM IN ATHLETES. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
1352	Gene Targeting Vector Design for Embryonic Stem Cell Modifications. Springer Protocols, 2011, , 57-79.	0.1	2
1353	Empirical Assessments of Invariance. , 2011, , 41-62.		0
1354	Fly brain structure illuminated. Nature, 0, , .	13.7	0
1357	Bacterial Artificial Chromosome-Based Experimental Strategies in the Field of Developmental Neuroscience. , 0, , .		0
1358	Further application: adult stem cells and tissue regenerations. , 2012, , 137-169.		0
1360	Multipotent Stem Cells in the Embryonic Nervous System. , 2012, , 81-122.		1
1362	Segmentation of Neuronal Axons in Brainbow Images. Journal of Korea Multimedia Society, 2012, 15, 1417-1429.	0.1	0
1365	Intravital Two-Photon Excitation Microscopy in Neuroscience: General Concepts and Applications. , 2014, , 1-23.		0
1366	Cancer in the Spotlight: Using Intravital Imaging in Cancer Research. , 2014, , 105-123.		0
1367	Imaging Drug Distribution and Effects at the Single Cell Level In Vivo. , 2014, , 263-280.		0
1368	Intravital Microscopy for Molecular Imaging in Cancer Research. , 2014, , 233-262.		0
1369	From Degenerative Debris to Neuronal Tracing: An Anterograde View of Auditory Circuits. Springer Handbook of Auditory Research, 2014, , 513-531.	0.3	0
1372	Genetic Pathways to Circuit Understanding in Drosophila. Neuromethods, 2015, , 249-274.	0.2	0
1373	Medical Approach to Wellness. , 2015, , 1-12.		0
1374	In Vivo Electroporation of the Postnatal Rodent Forebrain. Neuromethods, 2015, , 33-46.	0.2	0
1375	Hyperspectral Multiphoton Microscopy: Demonstration of 48-channel Imaging In Vivo. , 2015, , .		0
1377	Medical Approach to Wellness. , 2016, , 861-875.		0
1378	Transgenesis and Future Applications for Cavefish Research. , 2016, , 379-392.		0

#	ARTICLE	IF	CITATIONS
1379	The Molecular Basis of Neural Memory. Part 6: Chemical Coding of Logical and Emotive Modes. International Journal of Neurology Research, 2016, 2, 259-268.	0.2	3
1380	Future Brain Research and Neurotechnology. Japanese Journal of Neurosurgery, 2016, 25, 476-479.	0.0	0
1387	Mosaic Labeling and 3-Dimensional Morphological Analysis of Single Cells in the Zebrafish Left-right Organizer. Bio-protocol, 2018, 8, .	0.2	0
1397	Chromatic serial multiphoton microscopy for high-content multiscale analysis of large brain volumes. , 2019, , .		0
1399	3D Tissue Modelling of the Central Nervous System. Biomaterials Science Series, 2019, , 171-183.	0.1	0
1400	Graphic Design and Art of Micro-and Nanoscale. Journal of the Visualization Society of Japan, 2019, 39, 14-18.	0.0	0
1404	Chromatic serial multiphoton microscopy for multicolor imaging of large brain volumes. , 2019, , .		0
1406	The Cre/Lox System to Assess the Development of the Mouse Brain. Methods in Molecular Biology, 2020, 2047, 491-512.	0.4	2
1407	Flybow to Dissect Circuit Assembly in the Drosophila Brain: An Update. Methods in Molecular Biology, 2020, 2047, 137-152.	0.4	1
1409	PhOTO zebrafish and primed conversion: advancing the mechanistic view of development and disease. , 2020, , 309-322.		0
1410	Seeing Is Believing: Noninvasive Microscopic Imaging Modalities for Tissue Engineering and Regenerative Medicine. , 2020, , 1-41.		0
1418	Single Cell Adhesion in Cancer Progression. , 2022, , 729-766.		0
1419	Bacteriophage Use in Molecular Biology and Biotechnology. , 2020, , 1-42.		0
1420	Multicolor Labeling and Tracing of Pancreatic Beta-Cell Proliferation in Zebrafish. Methods in Molecular Biology, 2020, 2128, 159-179.	0.4	1
1421	Neuroanatomical Tracing Based on Selective Fluorochrome Expression in Transgenic Animals. Neuromethods, 2020, , 125-156.	0.2	0
1422	Single-cavity dual-wavelength all-fiber femtosecond laser for multimodal multiphoton microscopy. Biomedical Optics Express, 2020, 11, 2761.	1.5	7
1423	Bitbow Enables Highly Efficient Neuronal Lineage Tracing and Morphology Reconstruction in Single Drosophila Brains. Frontiers in Neural Circuits, 2021, 15, 732183.	1.4	8
1424	Interpreting the Entire Connectivity of Individual Neurons in Micropatterned Neural Culture With an Integrated Connectome Analyzer of a Neuronal Network (iCANN). Frontiers in Neuroanatomy, 2021, 15, 746057.	0.9	9

#	ARTICLE	IF	CITATIONS
1425	Advanced Technologies for Local Neural Circuits in the Cerebral Cortex. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 757499.	0.9	3
1427	Gene Targeting Vector Design for Embryonic Stem Cell Modifications. <i>Springer Protocols</i> , 2011, , 57-79.	0.1	0
1429	Clonal Analysis of Patient-Derived Samples Using Cellular Barcodes. <i>Methods in Molecular Biology</i> , 2021, 2185, 317-344.	0.4	0
1431	Illuminating the Undergraduate Behavioral Neuroscience Laboratory: A Guide for the in vivo Application of Optogenetics in Mammalian Model Organisms. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2016, 14, A111-6.	0.6	1
1432	The BRAIN Initiative Provides a Unifying Context for Integrating Core STEM Competencies into a Neurobiology Course. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2016, 14, A97-A103.	0.6	3
1433	Pou4f2 knock-in Cre mouse: A multifaceted genetic tool for vision researchers. <i>Molecular Vision</i> , 2016, 22, 705-17.	1.1	5
1434	Clonal Analysis of the Neonatal Mouse Heart using Nearest Neighbor Modeling. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0
1435	Advances in microscopy and their applications in biomedical research. , 2022, , 185-212.		2
1436	Imaging the different timescales of germinal center selection*. <i>Immunological Reviews</i> , 2022, 306, 234-243.	2.8	6
1438	Evolution of metastasis: new tools and insights. <i>Trends in Cancer</i> , 2022, 8, 98-109.	3.8	40
1439	AI-Enhanced 3D Biomedical Data Analytics for Neuronal Structure Reconstruction. , 2022, , 135-163.		1
1440	Clonal Analysis of the Neonatal Mouse Heart using Nearest Neighbor Modeling. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	2
1441	Synergy of single-cell sequencing analyses and in vivo lineage-tracing approaches: A new opportunity for stem cell biology. <i>Biocell</i> , 2022, 46, 1157-1162.	0.4	3
1443	Generation of bright monomeric red fluorescent proteins <i>via</i> computational design of enhanced chromophore packing. <i>Chemical Science</i> , 2022, 13, 1408-1418.	3.7	9
1444	Towards a Comprehensive Optical Connectome at Single Synapse Resolution via Expansion Microscopy. <i>Frontiers in Synaptic Neuroscience</i> , 2021, 13, 754814.	1.3	3
1445	Longitudinal Monitoring of Intra-Tumoural Heterogeneity Using Optical Barcoding of Patient-Derived Colorectal Tumour Models. <i>Cancers</i> , 2022, 14, 581.	1.7	4
1446	Intravital three-photon microscopy allows visualization over the entire depth of mouse lymph nodes. <i>Nature Immunology</i> , 2022, 23, 330-340.	7.0	26
1447	Molecular probes for cellular imaging of post-translational proteoforms. <i>RSC Chemical Biology</i> , 2022, 3, 201-219.	2.0	4

#	ARTICLE	IF	CITATIONS
1448	From Cell States to Cell Fates: How Cell Proliferation and Neuronal Differentiation Are Coordinated During Embryonic Development. <i>Frontiers in Neuroscience</i> , 2021, 15, 781160.	1.4	15
1450	Fate-mapping mice: new tools and technology for immune discovery. <i>Trends in Immunology</i> , 2022, 43, 195-209.	2.9	8
1452	Simple method to induce denaturation of fluorescent proteins in free-floating brain slices. <i>Journal of Neuroscience Methods</i> , 2022, 371, 109500.	1.3	0
1453	Cardiac specification during gastrulation – The Yellow Brick Road leading to Tinman. <i>Seminars in Cell and Developmental Biology</i> , 2022, 127, 46-58.	2.3	8
1454	Tissue clearing. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	56
1456	Finding Needles in a Haystack with Light: Resolving the Microcircuitry of the Brain with Fluorescence Microscopy. <i>Molecules and Cells</i> , 2022, 45, 84-92.	1.0	2
1457	Identification of Bipotential Blood Cell/Nephrocyte Progenitors in <i>Drosophila</i> : Another Route for Generating Blood Progenitors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 834720.	1.8	3
1458	Multicolor strategies for investigating clonal expansion and tissue plasticity. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 141.	2.4	8
1459	Extra kinetic dimensions for label discrimination. <i>Nature Communications</i> , 2022, 13, 1482.	5.8	13
1460	In Vivo Methods to Monitor Cardiomyocyte Proliferation. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 73.	0.8	2
1461	Genetic mosaicism in the human brain: from lineage tracing to neuropsychiatric disorders. <i>Nature Reviews Neuroscience</i> , 2022, 23, 275-286.	4.9	39
1462	Principles for the design of multicellular engineered living systems. <i>APL Bioengineering</i> , 2022, 6, 010903.	3.3	17
1463	Multicolor labeling of airway neurons and analysis of parasympathetic heterogeneity. <i>Scientific Reports</i> , 2022, 12, 5006.	1.6	2
1464	Müller glia fused with adult stem cells undergo neural differentiation in human retinal models. <i>EBioMedicine</i> , 2022, 77, 103914.	2.7	3
1465	Single-particle combinatorial multiplexed liposome fusion mediated by DNA. <i>Nature Chemistry</i> , 2022, 14, 558-565.	6.6	24
1466	Blind demixing methods for recovering dense neuronal morphology from barcode imaging data. <i>PLoS Computational Biology</i> , 2022, 18, e1009991.	1.5	2
1467	Visualization and functional characterization of lymphoid organ fibroblasts*. <i>Immunological Reviews</i> , 2022, 306, 108-122.	2.8	10
1468	Post hoc Correction of Chromatic Aberrations in Large-Scale Volumetric Images in Confocal Microscopy. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 760063.	0.9	5

#	ARTICLE	IF	CITATIONS
1469	Heterogeneity and excitability of <i>BRAF</i> <i>V600E</i> -induced tumors is determined by Akt/mTOR-signaling state and <i>Trp53</i> -loss. <i>Neuro-Oncology</i> , 2022, 24, 741-754.	0.6	16
1470	Making and Using Genetically Modified Organisms. , 2022, , 259-289.		1
1471	Visualizing Cortical Development and Evolution: A Toolkit Update. <i>Frontiers in Neuroscience</i> , 2022, 16, 876406.	1.4	2
1472	3D imaging for driving cancer discovery. <i>EMBO Journal</i> , 2022, 41, e109675.	3.5	5
1473	Neurons Induce Tiled Astrocytes with Branches That Avoid Each Other. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4161.	1.8	1
1481	Reprogramming Mouse Oviduct Epithelial Cells Using In Vivo Electroporation and CRISPR/Cas9-Mediated Genetic Manipulation. <i>Methods in Molecular Biology</i> , 2022, 2429, 367-377.	0.4	3
1483	Cerebral Cavernous Malformation Pathogenesis: Investigating Lesion Formation and Progression with Animal Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5000.	1.8	4
1484	A New Generation of Lineage Tracing Dynamically Records Cell Fate Choices. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5021.	1.8	7
1485	Stretched skin cells divide without DNA replication. <i>Nature</i> , 2022, 605, 31-32.	13.7	1
1486	Skin cells undergo asynthetic fission to expand body surfaces in zebrafish. <i>Nature</i> , 2022, 605, 119-125.	13.7	19
1487	Retooling conditional gene expression using a floxed exon. <i>Trends in Genetics</i> , 2022, , .	2.9	0
1488	Clonal Tracing of Heart Regeneration. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 141.	0.8	0
1489	A closer look at astrocyte morphology: Development, heterogeneity, and plasticity at astrocyte leaflets. <i>Current Opinion in Neurobiology</i> , 2022, 74, 102550.	2.0	35
1490	Lineage tracing reveals the phylodynamics, plasticity, and paths of tumor evolution. <i>Cell</i> , 2022, 185, 1905-1923.e25.	13.5	108
1491	Human Connectome Mapping and Monitoring Using Neuronanorobots. , 2016, 26, 1-25.		0
1492	A novel non-disruptive and efficient knock-in allows fate tracing of resident osteoblast progenitors during repair of vertebral lesions in medaka. <i>Development (Cambridge)</i> , 2022, , .	1.2	3
1495	Three-Photon Adaptive Optics for Mouse Brain Imaging. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	13
1496	Expansion of FGFR3-positive nucleus pulposus cells plays important roles in postnatal nucleus pulposus growth and regeneration. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	4

#	ARTICLE	IF	CITATIONS
1497	Specification of hematopoietic stem cells in mammalian embryos: A rare or frequent event?. <i>Blood</i> , 0, , .	0.6	1
1498	Macrophage Fate Mapping. <i>Current Protocols</i> , 2022, 2, .	1.3	4
1499	The red flour beetle <i>T. castaneum</i> : elaborate genetic toolkit and unbiased large scale RNAi screening to study insect biology and evolution. <i>EvoDevo</i> , 2022, 13, .	1.3	18
1500	Third-Generation Covalent TMP-Tag for Fast Labeling and Multiplexed Imaging of Cellular Proteins. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1501	Third-Generation Covalent TMP-Tag for Fast Labeling and Multiplexed Imaging of Cellular Proteins. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
1502	NEURAL CONNECTIVITY MAPS. <i>Neurosurgery</i> , 2008, 62, 1359-1360.	0.6	0
1503	A Survey of Visualization and Analysis in High-Resolution Connectomics. <i>Computer Graphics Forum</i> , 2022, 41, 573-607.	1.8	7
1504	Clonal behaviour of myogenic precursor cells throughout the vertebrate lifespan. <i>Biology Open</i> , 2022, 11, .	0.6	1
1506	Thy1 marks a distinct population of slow-cycling stem cells in the mouse epidermis. <i>Nature Communications</i> , 2022, 13, .	5.8	7
1507	Mastering the use of cellular barcoding to explore cancer heterogeneity. <i>Nature Reviews Cancer</i> , 2022, 22, 609-624.	12.8	13
1508	FRaeppli: a multispectral imaging toolbox for cell tracing and dense tissue analysis in zebrafish. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	3
1509	Deep Learning for Computer Architects. <i>Synthesis Lectures on Computer Architecture</i> , 2017, , .	1.3	9
1510	Astrocyte development in the cerebral cortex: Complexity of their origin, genesis, and maturation. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	11
1511	Intravital microscopy for real-time monitoring of drug delivery and nanobiological processes. <i>Advanced Drug Delivery Reviews</i> , 2022, 189, 114528.	6.6	6
1512	Boundary-Preserved Deep Denoising of Stochastic Resonance Enhanced Multiphoton Images. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2022, 10, 1-12.	2.2	2
1513	In vivo 3D profiling of site-specific human cancer cell morphotypes in zebrafish. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	5
1514	Monitoring cell membrane recycling dynamics of proteins using whole-cell fluorescence recovery after photobleaching of pH-sensitive genetic tags. <i>Nature Protocols</i> , 2022, 17, 3056-3079.	5.5	2
1515	Fluorescent transgenic mouse models for whole-brain imaging in health and disease. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	2

#	ARTICLE	IF	CITATIONS
1516	Monocyte Recruitment for Vascular Tissue Regeneration. <i>Advanced Healthcare Materials</i> , 2022, 11, .	3.9	4
1517	A new system for multiplexed mosaic analysis of gene function in the mouse. <i>Cell Reports Methods</i> , 2022, 2, 100295.	1.4	0
1518	Lineage Tracing and Molecular Real-Time Imaging of Cancer Stem Cells. <i>Biosensors</i> , 2022, 12, 703.	2.3	3
1519	Visualization of 3D Organoids Through the Latest Advancements in Microscopy. <i>Neuromethods</i> , 2023, , 43-66.	0.2	2
1520	Multicolor high-resolution whole-brain imaging for acquiring and comparing the brain-wide distributions of type-specific and projection-specific neurons with anatomical annotation in the same brain. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	0
1521	Generation of Axons and Dendrites. , 2022, , 341-356.		0
1524	Evaluation of a library of loxP variants with a wide range of recombination efficiencies by Cre. <i>PLoS ONE</i> , 2022, 17, e0276657.	1.1	2
1525	Cellular barcoding to decipher clonal dynamics in disease. <i>Science</i> , 2022, 378, .	6.0	20
1526	Neutrophil "œplucking"œ on megakaryocytes drives platelet production and boosts cardiovascular disease. <i>Immunity</i> , 2022, 55, 2285-2299.e7.	6.6	24
1527	Insights into skeletal stem cells. <i>Bone Research</i> , 2022, 10, .	5.4	17
1529	Quantitative characterisation of ipRGCs in retinal degeneration using a computation platform for extracting and reconstructing single neurons in 3D from a multi-colour labeled population. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	3
1530	Methods to identify epithelial stem cells. <i>Organoid</i> , 0, 2, e24.	0.0	0
1531	Innate lymphoid cells: potential targets for cancer therapeutics. <i>Trends in Cancer</i> , 2023, 9, 158-171.	3.8	1
1532	Single-cell spatial proteomic imaging for human neuropathology. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	2.4	11
1533	Multiphoton intravital microscopy of rodents. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	14
1534	Genetically engineered zebrafish as models of skeletal development and regeneration. <i>Bone</i> , 2023, 167, 116611.	1.4	6
1536	Intravital Microscopy in Mammalian Organisms: From Tissue Physiology to Cell Biology. , 2016, , 161-178.		0
1538	Chapter 29: Perspectives on the genetic manipulation of mosquitoes: advancements in studying sensory biology in vector insects. , 2022, , 743-771.		1

#	ARTICLE	IF	CITATIONS
1540	Shifting the focus of zebrafish toward a model of the tumor microenvironment. <i>ELife</i> , 0, 11, .	2.8	6
1543	New Tools for Lineage Tracing in Cancer In Vivo. <i>Annual Review of Cancer Biology</i> , 2023, 7, 111-129.	2.3	1
1545	Second Near-Infrared (NIR) Window for Imaging-Enabled Modulation of Brain Structure and Function. <i>Small</i> , 2023, 19, .	5.2	11
1546	PointNeuron: 3D Neuron Reconstruction via Geometry and Topology Learning of Point Clouds. , 2023, , .		1
1547	A Guide Toward Multi-scale and Quantitative Branching Analysis in the Mammary Gland. <i>Methods in Molecular Biology</i> , 2023, , 183-205.	0.4	1
1548	Considerations for the Use of Viral Vectors in Nonhuman Primates. <i>Neuromethods</i> , 2023, , 293-329.	0.2	0
1549	Photochemistry: A topological perspective. , 2023, , 515-540.		1
1550	Multi-Photon Microscopy. <i>Current Protocols</i> , 2023, 3, .	1.3	4
1551	A cellular hierarchy of Notch and Kras signaling controls cell fate specification in the developing mouse salivary gland. <i>Developmental Cell</i> , 2023, 58, 94-109.e6.	3.1	6
1553	Individual astrocyte morphology in the collagenous lamina cribrosa revealed by multicolor DiOlistic labeling. <i>Experimental Eye Research</i> , 2023, 230, 109458.	1.2	1
1554	Two-photon microscopy: application advantages and latest progress for <i>in vivo</i> imaging of neurons and blood vessels after ischemic stroke. <i>Reviews in the Neurosciences</i> , 2023, 34, 559-572.	1.4	3
1555	Unpaired mesh-to-image translation for 3D fluorescent microscopy images of neurons. <i>Medical Image Analysis</i> , 2023, 86, 102768.	7.0	2
1559	Clonal selection parallels between normal and cancer tissues. <i>Trends in Genetics</i> , 2023, 39, 358-380.	2.9	1
1560	ARF suppression by MYC but not MYCN confers increased malignancy of aggressive pediatric brain tumors. <i>Nature Communications</i> , 2023, 14, .	5.8	4
1561	In Vivo Analysis of Dendritic Cell Clonality. <i>Methods in Molecular Biology</i> , 2023, , 55-70.	0.4	0
1563	Modern Microscopic Approaches to Astrocytes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5883.	1.8	2
1564	Astrocyte structural heterogeneity in the mouse hippocampus. <i>Glia</i> , 2023, 71, 1667-1682.	2.5	5
1565	Analysis of skeletal stem cells by renal capsule transplantation and ex vivo culture systems. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	1

#	ARTICLE	IF	CITATIONS
1566	Beyond the Rainbow: A Review of Advanced Lineage Tracing Methodologies for Interrogating the Initiation, Evolution, and Recurrence of Brain Tumors. <i>Developmental Neuroscience</i> , 2023, 45, 181-190.	1.0	0
1567	Cell cycle dynamics control fluidity of the developing mouse neuroepithelium. <i>Nature Physics</i> , 2023, 19, 1050-1058.	6.5	11
1569	A Method for Electroporation of Cre Recombinase Protein into Intact <i>Nicotiana tabacum</i> Cells. <i>Plants</i> , 2023, 12, 1631.	1.6	0
1572	Microcavity- and Microlaser-Based Optical Barcoding: A Review of Encoding Techniques and Applications. <i>ACS Photonics</i> , 2023, 10, 1202-1224.	3.2	8
1576	Lineage Tracing of Spermatogonial Stem Cells Within the Male Germline. <i>Methods in Molecular Biology</i> , 2023, , 309-324.	0.4	0
1580	Application of Lineage Tracing in Central Nervous System Development and Regeneration. <i>Molecular Biotechnology</i> , 0, , .	1.3	0
1582	Combinatorial barcoding of cells with Laser Particles. , 2023, , .		0
1595	Contributions of marine invertebrates to our understanding of human health and disease. , 2023, , 181-201.		1
1597	Gene Gun DiOlistic Labelling of Retinal Ganglion Cells. <i>Methods in Molecular Biology</i> , 2023, , 33-40.	0.4	0
1600	Fate-Mapping Macrophages: From Ontogeny to Functions. <i>Methods in Molecular Biology</i> , 2024, , 11-43.	0.4	0
1602	Whole-brain Optical Imaging: A Powerful Tool for Precise Brain Mapping at the Mesoscopic Level. <i>Neuroscience Bulletin</i> , 2023, 39, 1840-1858.	1.5	2
1608	Optimized Neuron Tracing Using Post Hoc Reanalysis. , 2023, , .		0
1616	Genomic Mosaicism of the Brain: Origin, Impact, and Utility. <i>Neuroscience Bulletin</i> , 0, , .	1.5	0
1617	Clonal tracking in cancer and metastasis. <i>Cancer and Metastasis Reviews</i> , 0, , .	2.7	0
1618	Brain imaging turned inside out. <i>Nature Biotechnology</i> , 0, , .	9.4	0
1619	Illuminating Airway Nerve Structure and Function in Chronic Cough. <i>Lung</i> , 2023, 201, 499-509.	1.4	1