

# Hideyuki Okano

## List of Publications by Citations

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573  
papers

30,299  
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92  
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154  
g-index

628  
ext. papers

35,505  
ext. citations

7.3  
avg, IF

7.07  
L-index

#	Paper	IF	Citations
573	Conditional ablation of Stat3 or Socs3 discloses a dual role for reactive astrocytes after spinal cord injury. <i>Nature Medicine</i> , <b>2006</b> , 12, 829-34	50.5	707
572	Variation in the safety of induced pluripotent stem cell lines. <i>Nature Biotechnology</i> , <b>2009</b> , 27, 743-5	44.5	702
571	Prospective identification, isolation, and systemic transplantation of multipotent mesenchymal stem cells in murine bone marrow. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 2483-96	16.6	587
570	Generation of transgenic non-human primates with germline transmission. <i>Nature</i> , <b>2009</b> , 459, 523-7	50.4	551
569	In vitro neurogenesis by progenitor cells isolated from the adult human hippocampus. <i>Nature Medicine</i> , <b>2000</b> , 6, 271-7	50.5	484
568	Mouse-Musashi-1, a neural RNA-binding protein highly enriched in the mammalian CNS stem cell. <i>Developmental Biology</i> , <b>1996</b> , 176, 230-42	3.1	453
567	Modeling familial Alzheimer's disease with induced pluripotent stem cells. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 4530-9	5.6	443
566	Therapeutic potential of appropriately evaluated safe-induced pluripotent stem cells for spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 12704-9	11.5	420
565	Identification of a putative intestinal stem cell and early lineage marker; musashi-1. <i>Differentiation</i> , <b>2003</b> , 71, 28-41	3.5	399
564	Grafted human-induced pluripotent stem-cell-derived neurospheres promote motor functional recovery after spinal cord injury in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16825-30	11.5	388
563	The neural RNA-binding protein Musashi1 translationally regulates mammalian numb gene expression by interacting with its mRNA. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 3888-900	4.8	360
562	A selective Sema3A inhibitor enhances regenerative responses and functional recovery of the injured spinal cord. <i>Nature Medicine</i> , <b>2006</b> , 12, 1380-9	50.5	316
561	Steps toward safe cell therapy using induced pluripotent stem cells. <i>Circulation Research</i> , <b>2013</b> , 112, 523-33	15.7	308
560	Function of RNA-binding protein Musashi-1 in stem cells. <i>Experimental Cell Research</i> , <b>2005</b> , 306, 349-56	4.2	305
559	Ontogeny and multipotency of neural crest-derived stem cells in mouse bone marrow, dorsal root ganglia, and whisker pad. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 392-403	18	303
558	Musashi, a neural RNA-binding protein required for Drosophila adult external sensory organ development. <i>Neuron</i> , <b>1994</b> , 13, 67-81	13.9	282
557	Notch inhibition induces cochlear hair cell regeneration and recovery of hearing after acoustic trauma. <i>Neuron</i> , <b>2013</b> , 77, 58-69	13.9	279

556	Cardiac neural crest cells contribute to the dormant multipotent stem cell in the mammalian heart. <i>Journal of Cell Biology</i> , <b>2005</b> , 170, 1135-46	7.3	278
555	RNA-binding protein Musashi family: roles for CNS stem cells and a subpopulation of ependymal cells revealed by targeted disruption and antisense ablation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 15194-9	11.5	276
554	Nestin-EGFP transgenic mice: visualization of the self-renewal and multipotency of CNS stem cells. <i>Molecular and Cellular Neurosciences</i> , <b>2001</b> , 17, 259-73	4.8	275
553	Mitochondrial dysfunction associated with increased oxidative stress and $\beta$ -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , <b>2012</b> , 5, 35	4.5	271
552	Retinoic-acid-concentration-dependent acquisition of neural cell identity during in vitro differentiation of mouse embryonic stem cells. <i>Developmental Biology</i> , <b>2004</b> , 275, 124-42	3.1	267
551	Brain from bone: efficient "meta-differentiation" of marrow stroma-derived mature osteoblasts to neurons with Noggin or a demethylating agent. <i>Differentiation</i> , <b>2001</b> , 68, 235-44	3.5	265
550	Unexpectedly efficient homing capacity of purified murine hematopoietic stem cells. <i>Immunity</i> , <b>2004</b> , 20, 87-93	32.3	255
549	Dysfunction of fibroblasts of extrarenal origin underlies renal fibrosis and renal anemia in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3981-90	15.9	252
548	Glial cell degeneration and hypomyelination caused by overexpression of myelin proteolipid protein gene. <i>Neuron</i> , <b>1994</b> , 13, 427-42	13.9	245
547	Musashi: a translational regulator of cell fate. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1355-9	5.3	243
546	Fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells. <i>Annals of Neurology</i> , <b>1998</b> , 43, 576-85	9.4	242
545	Musashi: a translational regulator of cell fate. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1355-1359	5.3	240
544	Sema3A regulates bone-mass accrual through sensory innervations. <i>Nature</i> , <b>2013</b> , 497, 490-3	50.4	238
543	Stem cell biology of the central nervous system. <i>Journal of Neuroscience Research</i> , <b>2002</b> , 69, 698-707	4.4	235
542	Expression of neural RNA-binding proteins in the postnatal CNS: implications of their roles in neuronal and glial cell development. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 8300-12	6.6	233
541	Increased l1 retrotransposition in the neuronal genome in schizophrenia. <i>Neuron</i> , <b>2014</b> , 81, 306-13	13.9	220
540	Pre-evaluated safe human iPSC-derived neural stem cells promote functional recovery after spinal cord injury in common marmoset without tumorigenicity. <i>PLoS ONE</i> , <b>2012</b> , 7, e52787	3.7	217
539	Development of mesenchymal stem cells partially originate from the neural crest. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 379, 1114-9	3.4	205

538	Visualization of peripheral nerve degeneration and regeneration: monitoring with diffusion tensor tractography. <i>NeuroImage</i> , <b>2009</b> , 44, 884-92	7.9	204
537	Beta-catenin signaling promotes proliferation of progenitor cells in the adult mouse subventricular zone. <i>Stem Cells</i> , <b>2007</b> , 25, 2827-36	5.8	203
536	Stem cell-like properties of the endometrial side population: implication in endometrial regeneration. <i>PLoS ONE</i> , <b>2010</b> , 5, e10387	3.7	201
535	In vivo imaging of engrafted neural stem cells: its application in evaluating the optimal timing of transplantation for spinal cord injury. <i>FASEB Journal</i> , <b>2005</b> , 19, 1839-41	0.9	200
534	Isolation of mouse mesenchymal stem cells on the basis of expression of Sca-1 and PDGFR- $\beta$ . <i>Nature Protocols</i> , <b>2012</b> , 7, 2103-11	18.8	195
533	Rna-binding protein Musashi2: developmentally regulated expression in neural precursor cells and subpopulations of neurons in mammalian CNS. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 8091-107	6.6	186
532	Requirement for COUP-TFI and II in the temporal specification of neural stem cells in CNS development. <i>Nature Neuroscience</i> , <b>2008</b> , 11, 1014-23	25.5	184
531	Brains, genes, and primates. <i>Neuron</i> , <b>2015</b> , 86, 617-31	13.9	183
530	Single-cell bioluminescence imaging of deep tissue in freely moving animals. <i>Science</i> , <b>2018</b> , 359, 935-939	33.3	181
529	Cell types to order: temporal specification of CNS stem cells. <i>Current Opinion in Neurobiology</i> , <b>2009</b> , 19, 112-9	7.6	179
528	Modeling sporadic ALS in iPSC-derived motor neurons identifies a potential therapeutic agent. <i>Nature Medicine</i> , <b>2018</b> , 24, 1579-1589	50.5	169
527	Isolation of multipotent neural crest-derived stem cells from the adult mouse cornea. <i>Stem Cells</i> , <b>2006</b> , 24, 2714-22	5.8	169
526	The long non-coding RNA nuclear-enriched abundant transcript 1_2 induces paraspeckle formation in the motor neuron during the early phase of amyotrophic lateral sclerosis. <i>Molecular Brain</i> , <b>2013</b> , 6, 31	4.5	165
525	SAMD9 mutations cause a novel multisystem disorder, MIRAGE syndrome, and are associated with loss of chromosome 7. <i>Nature Genetics</i> , <b>2016</b> , 48, 792-7	36.3	165
524	iPS cell technologies: significance and applications to CNS regeneration and disease. <i>Molecular Brain</i> , <b>2014</b> , 7, 22	4.5	162
523	Evolutionarily dynamic alternative splicing of GPR56 regulates regional cerebral cortical patterning. <i>Science</i> , <b>2014</b> , 343, 764-8	33.3	161
522	Translational repression determines a neuronal potential in Drosophila asymmetric cell division. <i>Nature</i> , <b>2001</b> , 411, 94-8	50.4	156
521	The RNA-binding protein HuD regulates neuronal cell identity and maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 4625-30	11.5	155

520	High-yield selection and extraction of two promoter-defined phenotypes of neural stem cells from the fetal human brain. <i>Nature Biotechnology</i> , <b>2001</b> , 19, 843-50	44.5	155
519	Abundant occurrence of basal radial glia in the subventricular zone of embryonic neocortex of a lissencephalic primate, the common marmoset <i>Callithrix jacchus</i> . <i>Cerebral Cortex</i> , <b>2012</b> , 22, 469-81	5.1	154
518	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. <i>Nature Communications</i> , <b>2017</b> , 8, 28	17.4	153
517	Neural RNA-binding protein Musashi1 inhibits translation initiation by competing with eIF4G for PABP. <i>Journal of Cell Biology</i> , <b>2008</b> , 181, 639-53	7.3	149
516	Side population in human uterine myometrium displays phenotypic and functional characteristics of myometrial stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18700-5	11.5	149
515	Long-term safety issues of iPSC-based cell therapy in a spinal cord injury model: oncogenic transformation with epithelial-mesenchymal transition. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 360-73	8	147
514	Human neural stem/progenitor cells, expanded in long-term neurosphere culture, promote functional recovery after focal ischemia in Mongolian gerbils. <i>Journal of Neuroscience Research</i> , <b>2004</b> , 78, 215-23	4.4	147
513	The common marmoset as a novel animal model system for biomedical and neuroscience research applications. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2012</b> , 17, 336-40	3.7	145
512	Cell transplantation therapies for spinal cord injury focusing on induced pluripotent stem cells. <i>Cell Research</i> , <b>2013</b> , 23, 70-80	24.7	143
511	Neuronal Elav-like (Hu) proteins regulate RNA splicing and abundance to control glutamate levels and neuronal excitability. <i>Neuron</i> , <b>2012</b> , 75, 1067-80	13.9	143
510	Chondroitinase ABC combined with neural stem/progenitor cell transplantation enhances graft cell migration and outgrowth of growth-associated protein-43-positive fibers after rat spinal cord injury. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 3036-46	3.5	142
509	LNGFR(+)THY-1(+)VCAM-1(hi+) cells reveal functionally distinct subpopulations in mesenchymal stem cells. <i>Stem Cell Reports</i> , <b>2013</b> , 1, 152-65	8	141
508	Common marmoset as a new model animal for neuroscience research and genome editing technology. <i>Development Growth and Differentiation</i> , <b>2014</b> , 56, 53-62	3	137
507	Transplantation of neural stem cells into the spinal cord after injury. <i>Seminars in Cell and Developmental Biology</i> , <b>2003</b> , 14, 191-8	7.5	137
506	Spatiotemporal recapitulation of central nervous system development by murine embryonic stem cell-derived neural stem/progenitor cells. <i>Stem Cells</i> , <b>2008</b> , 26, 3086-98	5.8	136
505	Establishment of novel embryonic stem cell lines derived from the common marmoset ( <i>Callithrix jacchus</i> ). <i>Stem Cells</i> , <b>2005</b> , 23, 1304-13	5.8	132
504	Evaluation of in vitro proliferative activity of human fetal neural stem/progenitor cells using indirect measurements of viable cells based on cellular metabolic activity. <i>Journal of Neuroscience Research</i> , <b>2002</b> , 69, 869-79	4.4	123
503	Noninvasive and real-time assessment of reconstructed functional human endometrium in NOD/SCID/gamma c(null) immunodeficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 1925-30	11.5	122

502	ICE/CED-3 family executes oligodendrocyte apoptosis by tumor necrosis factor. <i>Journal of Neurochemistry</i> , <b>1997</b> , 69, 10-20	6	119
501	Significance of remyelination by neural stem/progenitor cells transplanted into the injured spinal cord. <i>Stem Cells</i> , <b>2011</b> , 29, 1983-94	5.8	117
500	Hepatocyte growth factor promotes endogenous repair and functional recovery after spinal cord injury. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 2332-42	4.4	117
499	Brain/MINDS: A Japanese National Brain Project for Marmoset Neuroscience. <i>Neuron</i> , <b>2016</b> , 92, 582-590	13.9	116
498	Grafted Human iPS Cell-Derived Oligodendrocyte Precursor Cells Contribute to Robust Remyelination of Demyelinated Axons after Spinal Cord Injury. <i>Stem Cell Reports</i> , <b>2016</b> , 6, 1-8	8	116
497	SOX10 is a novel marker of acinus and intercalated duct differentiation in salivary gland tumors: a clue to the histogenesis for tumor diagnosis. <i>Modern Pathology</i> , <b>2013</b> , 26, 1041-50	9.8	114
496	STAT3-dependent reactive astrogliosis in the spinal dorsal horn underlies chronic itch. <i>Nature Medicine</i> , <b>2015</b> , 21, 927-31	50.5	113
495	Musashi1, an evolutionarily conserved neural RNA-binding protein, is a versatile marker of human glioma cells in determining their cellular origin, malignancy, and proliferative activity. <i>Differentiation</i> , <b>2001</b> , 68, 141-52	3.5	109
494	Generation of a Nonhuman Primate Model of Severe Combined Immunodeficiency Using Highly Efficient Genome Editing. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 127-38	18	109
493	Time-dependent changes in the microenvironment of injured spinal cord affects the therapeutic potential of neural stem cell transplantation for spinal cord injury. <i>Molecular Brain</i> , <b>2013</b> , 6, 3	4.5	108
492	Involvement of Hu and heterogeneous nuclear ribonucleoprotein K in neuronal differentiation through p21 mRNA post-transcriptional regulation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 12690-9	5.4	105
491	Angiotensin II type 1 receptor signaling contributes to synaptophysin degradation and neuronal dysfunction in the diabetic retina. <i>Diabetes</i> , <b>2008</b> , 57, 2191-8	0.9	104
490	Generating induced pluripotent stem cells from common marmoset ( <i>Callithrix jacchus</i> ) fetal liver cells using defined factors, including Lin28. <i>Genes To Cells</i> , <b>2010</b> , 15, 959-69	2.3	103
489	Epigenetic transcriptional activation of monocyte chemotactic protein 3 contributes to long-lasting neuropathic pain. <i>Brain</i> , <b>2013</b> , 136, 828-43	11.2	101
488	Heart failure causes cholinergic transdifferentiation of cardiac sympathetic nerves via gp130-signaling cytokines in rodents. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 408-21	15.9	100
487	Musashi1 regulates breast tumor cell proliferation and is a prognostic indicator of poor survival. <i>Molecular Cancer</i> , <b>2010</b> , 9, 221	42.1	97
486	Neuroprotective effects of angiotensin II type 1 receptor (AT1R) blocker, telmisartan, via modulating AT1R and AT2R signaling in retinal inflammation. <i>Investigative Ophthalmology and Visual Science</i> , <b>2006</b> , 47, 5545-52		96
485	Effect of neurosphere size on the growth rate of human neural stem/progenitor cells. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 1682-91	4.4	95

484	Mapping spatio-temporal activation of Notch signaling during neurogenesis and gliogenesis in the developing mouse brain. <i>Journal of Neurochemistry</i> , <b>2004</b> , 90, 142-54	6	95
483	Focal transplantation of human iPSC-derived glial-rich neural progenitors improves lifespan of ALS mice. <i>Stem Cell Reports</i> , <b>2014</b> , 3, 242-9	8	93
482	Roles of ES cell-derived gliogenic neural stem/progenitor cells in functional recovery after spinal cord injury. <i>PLoS ONE</i> , <b>2009</b> , 4, e7706	3.7	93
481	Single-cell transcriptomics reveals expansion of cytotoxic CD4 T cells in supercentenarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 24242-24251	11.5	90
480	A human Dravet syndrome model from patient induced pluripotent stem cells. <i>Molecular Brain</i> , <b>2013</b> , 6, 19	4.5	89
479	Molecular genetic analysis of myelin-deficient mice: shiverer mutant mice show deletion in gene(s) coding for myelin basic protein. <i>Journal of Neurochemistry</i> , <b>1985</b> , 44, 692-6	6	89
478	Functional corneal endothelium derived from corneal stroma stem cells of neural crest origin by retinoic acid and Wnt/ $\beta$ -catenin signaling. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 828-39	4.4	87
477	In vivo tracing of neural tracts in the intact and injured spinal cord of marmosets by diffusion tensor tractography. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 11991-8	6.6	87
476	MicroRNAs in Neural Stem Cells and Neurogenesis. <i>Frontiers in Neuroscience</i> , <b>2012</b> , 6, 30	5.1	86
475	Spinal cord injury: emerging beneficial role of reactive astrocytes migration. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 1649-53	5.6	85
474	Image-based detection and targeting of therapy resistance in pancreatic adenocarcinoma. <i>Nature</i> , <b>2016</b> , 534, 407-411	50.4	84
473	Involvement of ER stress in dysmyelination of Pelizaeus-Merzbacher Disease with PLP1 missense mutations shown by iPSC-derived oligodendrocytes. <i>Stem Cell Reports</i> , <b>2014</b> , 2, 648-61	8	84
472	Generation of human melanocytes from induced pluripotent stem cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e16182	3.7	84
471	Anti-IL-6-receptor antibody promotes repair of spinal cord injury by inducing microglia-dominant inflammation. <i>Experimental Neurology</i> , <b>2010</b> , 224, 403-14	5.7	81
470	The use of induced pluripotent stem cells to reveal pathogenic gene mutations and explore treatments for retinitis pigmentosa. <i>Molecular Brain</i> , <b>2014</b> , 7, 45	4.5	78
469	Modeling human neurological disorders with induced pluripotent stem cells. <i>Journal of Neurochemistry</i> , <b>2014</b> , 129, 388-99	6	77
468	Neural stem cells directly differentiated from partially reprogrammed fibroblasts rapidly acquire gliogenic competency. <i>Stem Cells</i> , <b>2012</b> , 30, 1109-19	5.8	77
467	Murine homologs of dxtex define a novel gene family involved in vertebrate Notch signaling and neurogenesis. <i>International Journal of Developmental Neuroscience</i> , <b>2001</b> , 19, 21-35	2.7	77

466	Human hepatocyte growth factor promotes functional recovery in primates after spinal cord injury. <i>PLoS ONE</i> , <b>2011</b> , 6, e27706	3.7	76
465	Inflammatory and immune responses in the cochlea: potential therapeutic targets for sensorineural hearing loss. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 287	5.6	73
464	Comparative study of methods for administering neural stem/progenitor cells to treat spinal cord injury in mice. <i>Cell Transplantation</i> , <b>2011</b> , 20, 727-39	4	71
463	Concise Review: Laying the Groundwork for a First-In-Human Study of an Induced Pluripotent Stem Cell-Based Intervention for Spinal Cord Injury. <i>Stem Cells</i> , <b>2019</b> , 37, 6-13	5.8	71
462	Epigenetic regulation of neural cell differentiation plasticity in the adult mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18012-7	11.5	70
461	Worldwide initiatives to advance brain research. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1118-22	25.5	69
460	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. <i>NeuroImage</i> , <b>2020</b> , 205, 116278	7.9	69
459	Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 673-684	8	68
458	Differentiation of multipotent neural stem cells derived from Rett syndrome patients is biased toward the astrocytic lineage. <i>Molecular Brain</i> , <b>2015</b> , 8, 31	4.5	67
457	Macrophage migration inhibitory factor (MIF) promotes cell survival and proliferation of neural stem/progenitor cells. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 3210-20	5.3	67
456	Components of the transcriptional Mediator complex are required for asymmetric cell division in <i>C. elegans</i> . <i>Development (Cambridge)</i> , <b>2005</b> , 132, 1885-93	6.6	67
455	Controlling the Regional Identity of hPSC-Derived Neurons to Uncover Neuronal Subtype Specificity of Neurological Disease Phenotypes. <i>Stem Cell Reports</i> , <b>2015</b> , 5, 1010-1022	8	66
454	Brain-mapping projects using the common marmoset. <i>Neuroscience Research</i> , <b>2015</b> , 93, 3-7	2.9	65
453	Small RNA profiling and characterization of piRNA clusters in the adult testes of the common marmoset, a model primate. <i>Rna</i> , <b>2014</b> , 20, 1223-37	5.8	65
452	Establishment of induced pluripotent stem cells from centenarians for neurodegenerative disease research. <i>PLoS ONE</i> , <b>2012</b> , 7, e41572	3.7	61
451	Neural RNA-binding protein Musashi1 controls midline crossing of precerebellar neurons through posttranscriptional regulation of Robo3/Rig-1 expression. <i>Neuron</i> , <b>2010</b> , 67, 407-21	13.9	61
450	RNA-binding protein Musashi1 modulates glioma cell growth through the post-transcriptional regulation of Notch and PI3 kinase/Akt signaling pathways. <i>PLoS ONE</i> , <b>2012</b> , 7, e33431	3.7	60
449	Comparative anatomy of marmoset and mouse cortex from genomic expression. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 5039-53	6.6	60



448	Transplantation of galectin-1-expressing human neural stem cells into the injured spinal cord of adult common marmosets. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 1394-405	4.4	60
447	Visualization of spatiotemporal activation of Notch signaling: live monitoring and significance in neural development. <i>Developmental Biology</i> , <b>2005</b> , 286, 311-25	3.1	59
446	BDNF Induced by Treadmill Training Contributes to the Suppression of Spasticity and Allodynia After Spinal Cord Injury via Upregulation of KCC2. <i>Neurorehabilitation and Neural Repair</i> , <b>2015</b> , 29, 677-84	4.7	58
445	Fbxo45, a novel ubiquitin ligase, regulates synaptic activity. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 3840-3849	5.4	58
444	The disruption of Sox21-mediated hair shaft cuticle differentiation causes cyclic alopecia in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9292-7	11.5	58
443	Altered Tau Isoform Ratio Caused by Loss of FUS and SFPQ Function Leads to FTL-like Phenotypes. <i>Cell Reports</i> , <b>2017</b> , 18, 1118-1131	10.6	57
442	Analysis of induced pluripotent stem cells carrying 22q11.2 deletion. <i>Translational Psychiatry</i> , <b>2016</b> , 6, e934	8.6	57
441	Sox10-Venus mice: a new tool for real-time labeling of neural crest lineage cells and oligodendrocytes. <i>Molecular Brain</i> , <b>2010</b> , 3, 31	4.5	57
440	Structure of Musashi1 in a complex with target RNA: the role of aromatic stacking interactions. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 3218-31	20.1	57
439	Pretreatment with a $\beta$ -Secretase Inhibitor Prevents Tumor-like Overgrowth in Human iPSC-Derived Transplants for Spinal Cord Injury. <i>Stem Cell Reports</i> , <b>2016</b> , 7, 649-663	8	57
438	The power of synthetic biology for bioproduction, remediation and pollution control: The UN Sustainable Development Goals will inevitably require the application of molecular biology and biotechnology on a global scale. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	56
437	Cell therapy for spinal cord injury by neural stem/progenitor cells derived from iPS/ES cells. <i>Neurotherapeutics</i> , <b>2011</b> , 8, 668-76	6.4	56
436	Suppression of Oct4 by germ cell nuclear factor restricts pluripotency and promotes neural stem cell development in the early neural lineage. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 2113-24	6.6	56
435	Musashi1 cooperates in abnormal cell lineage protein 28 (Lin28)-mediated let-7 family microRNA biogenesis in early neural differentiation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 16121-30	5.4	56
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