

Hideyuki Okano

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1188572/hideyuki-okano-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

573
papers

30,299
citations

92
h-index

154
g-index

628
ext. papers

35,505
ext. citations

7.3
avg, IF

7.07
L-index

#	Paper	IF	Citations
573	Otic Organoids Containing Spiral Ganglion Neuron-like Cells Derived From Human-induced Pluripotent Stem Cells as a Model of Drug-induced Neuropathy.. <i>Stem Cells Translational Medicine</i> , 2022 , 11, 282-296	6.9	1
572	iPSC-based disease modeling and drug discovery in cardinal neurodegenerative disorders.. <i>Cell Stem Cell</i> , 2022 , 29, 189-208	18	4
571	Diffusion magnetic resonance tractography-based evaluation of commissural fiber abnormalities in a heparan sulfate endosulfatase-deficient mouse brain.. <i>Magnetic Resonance Imaging</i> , 2022 , 88, 123-123 ³⁻³		
570	Cortical neural dynamics unveil the rhythm of natural visual behavior in marmosets.. <i>Communications Biology</i> , 2022 , 5, 108	6.7	0
569	Modulation by DREADD reveals the therapeutic effect of human iPSC-derived neuronal activity on functional recovery after spinal cord injury.. <i>Stem Cell Reports</i> , 2022 , 17, 127-142	8	2
568	Administration of C5a receptor antagonist improves the efficacy of human iPSCs-derived NS/PC transplantation in the acute phase of spinal cord injury.. <i>Journal of Neurotrauma</i> , 2022 ,	5.4	1
567	The GADD45G/p38 MAPK/CDC25B signaling pathway enhances neurite outgrowth by promoting microtubule polymerization.. <i>iScience</i> , 2022 , 25, 104089	6.1	
566	Glycosaminoglycans promote osteogenesis from human induced pluripotent stem cells via neural crest induction.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 603, 49-56	3.4	
565	Preserved Intersegmental Coordination During Locomotion after Cervical Spinal Cord Injury in Common Marmosets.. <i>Behavioural Brain Research</i> , 2022 , 113816	3.4	0
564	Treadmill Training for Common Marmoset to Strengthen Corticospinal Connections After Thoracic Contusion Spinal Cord Injury.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 858562	6.1	
563	Early development of the cochlea of the common marmoset, a non-human primate model.. <i>Neural Development</i> , 2022 , 17, 6	3.9	1
562	Critical roles of FGF, RA, and WNT signalling in the development of the human otic placode and subsequent lineages in a dish. <i>Regenerative Therapy</i> , 2022 , 20, 165-186	3.7	0
561	In Vivo Imaging Analysis of an Inner Ear Drug Delivery in Mice: Comparison of Inner Ear Drug Concentrations Over Time. <i>Methods in Molecular Biology</i> , 2022 , 327-332	1.4	
560	FZD5 regulates cellular senescence in human mesenchymal stem/stromal cells. <i>Stem Cells</i> , 2021 , 39, 3185-330	5.3	10
559	Amyloid [A]ELISA of Human iPSC-Derived Neuronal Cultures. <i>Methods in Molecular Biology</i> , 2021 , 1	1.4	
558	Utilization of Human Induced Pluripotent Stem Cells-Derived Models for the Future Study of Sex Differences in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 768948	5.3	1
557	Current progress of rehabilitative strategies in stem cell therapy for spinal cord injury: a review. <i>Npj Regenerative Medicine</i> , 2021 , 6, 81	15.8	5

556	Long-term selective stimulation of transplanted neural stem/progenitor cells for spinal cord injury improves locomotor function. <i>Cell Reports</i> , 2021 , 37, 110019	10.6	4
555	LOTUS overexpression via ex vivo gene transduction further promotes recovery of motor function following human iPSC-NS/PC transplantation for contusive spinal cord injury. <i>Stem Cell Reports</i> , 2021 , 16, 2703-2717	8	3
554	Mechanisms of Stem Cell Therapy in Spinal Cord Injuries. <i>Cells</i> , 2021 , 10,	7.9	4
553	Primary cilia safeguard cortical neurons in neonatal mouse forebrain from environmental stress-induced dendritic degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
552	Umbilical artery tissue contains p75 neurotrophin receptor-positive pericyte-like cells that possess neurosphere formation capacity and neurogenic differentiation potential. <i>Regenerative Therapy</i> , 2021 , 16, 1-11	3.7	
551	Flexible annotation atlas of the mouse brain: combining and dividing brain structures of the Allen Brain Atlas while maintaining anatomical hierarchy. <i>Scientific Reports</i> , 2021 , 11, 6234	4.9	1
550	Eatenin-promoted cholesterol metabolism protects against cellular senescence in naked mole-rat cells. <i>Communications Biology</i> , 2021 , 4, 357	6.7	1
549	Generation and validation of a common marmoset embryonic stem cell line ActiCre-B1 that ubiquitously expresses a tamoxifen-inducible Cre-driver. <i>Stem Cell Research</i> , 2021 , 51, 102164	1.6	
548	Association among extracellular superoxide dismutase genotype, plasma concentration, and comorbidity in the very old and centenarians. <i>Scientific Reports</i> , 2021 , 11, 8539	4.9	3
547	Non-viral Induction of Transgene-free iPSCs from Somatic Fibroblasts of Multiple Mammalian Species. <i>Stem Cell Reports</i> , 2021 , 16, 754-770	8	10
546	A new approach to analysis of intracellular proteins and subcellular localization using cellprofiler and imageJ in combination. <i>Methods</i> , 2021 ,	4.6	1
545	DCTN1 Binds to TDP-43 and Regulates TDP-43 Aggregation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
544	Establishing an induced pluripotent stem cell line from neonatal common marmoset fibroblasts by an all-in-one episomal vector approach. <i>Stem Cell Research</i> , 2021 , 53, 102380	1.6	
543	Establishment of an induced pluripotent stem cell line from a female domestic ferret (<i>Mustela putorius furo</i>) with an X chromosome instability. <i>Stem Cell Research</i> , 2021 , 53, 102385	1.6	1
542	Generation of a common marmoset embryonic stem cell line CMES40-OC harboring a POU5F1 (OCT4)-2A-mCerulean3 knock-in reporter allele. <i>Stem Cell Research</i> , 2021 , 53, 102308	1.6	
541	Impaired neuronal activity and differential gene expression in STXBP1 encephalopathy patient iPSC-derived GABAergic neurons. <i>Human Molecular Genetics</i> , 2021 , 30, 1337-1348	5.6	4
540	Non-viral derivation of a transgene-free induced pluripotent stem cell line from a male beagle dog. <i>Stem Cell Research</i> , 2021 , 53, 102375	1.6	2
539	MeCP2 controls neural stem cell fate specification through miR-199a-mediated inhibition of BMP-Smad signaling. <i>Cell Reports</i> , 2021 , 35, 109124	10.6	5

538	Neurological pathogenesis of SARS-CoV-2 (COVID-19): from virological features to clinical symptoms. <i>Inflammation and Regeneration</i> , 2021 , 41, 15	10.9	2
537	Taurine rescues mitochondria-related metabolic impairments in the patient-derived induced pluripotent stem cells and epithelial-mesenchymal transition in the retinal pigment epithelium. <i>Redox Biology</i> , 2021 , 41, 101921	11.3	8
536	Selective suppression of polyglutamine-expanded protein by lipid nanoparticle-delivered siRNA targeting CAG expansions in the mouse CNS. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 24, 1-10	10.7	3
535	Reduced PHOX2B stability causes axonal growth impairment in motor neurons with TARDBP mutations. <i>Stem Cell Reports</i> , 2021 , 16, 1527-1541	8	1
534	Identification of hub molecules of FUS-ALS by Bayesian gene regulatory network analysis of iPSC model: iBRN. <i>Neurobiology of Disease</i> , 2021 , 155, 105364	7.5	2
533	Optical manipulation of local cerebral blood flow in the deep brain of freely moving mice. <i>Cell Reports</i> , 2021 , 36, 109427	10.6	2
532	Dynamic Spatiotemporal Expression Changes in Connexins of the Developing Primate Cochlea. <i>Genes</i> , 2021 , 12,	4.2	4
531	The common marmoset as suitable nonhuman alternative for the analysis of primate cochlear development. <i>FEBS Journal</i> , 2021 , 288, 325-353	5.7	5
530	Modeling neurodevelopment in a dish with pluripotent stem cells. <i>Development Growth and Differentiation</i> , 2021 , 63, 18-25	3	6
529	A robust culture system to generate neural progenitors with gliogenic competence from clinically relevant induced pluripotent stem cells for treatment of spinal cord injury. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 398-413	6.9	12
528	Alpha-synuclein dynamics in induced pluripotent stem cell-derived dopaminergic neurons from a Parkinson disease patient (PARK4) with SNCA triplication. <i>FEBS Open Bio</i> , 2021 , 11, 354-366	2.7	2
527	Current Status of and Perspectives on the Application of Marmosets in Neurobiology. <i>Annual Review of Neuroscience</i> , 2021 , 44, 27-48	17	15
526	Recent progress in the research of suicide gene therapy for malignant glioma. <i>Neurosurgical Review</i> , 2021 , 44, 29-49	3.9	12
525	DGCR8-dependent efficient pri-miRNA processing of human pri-miR-9-2. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100409	5.4	1
524	Flexible and Accurate Substrate Processing with Distinct Presenilin/Secretases in Human Cortical Neurons. <i>ENeuro</i> , 2021 , 8,	3.9	2
523	Generation of region-specific and high-purity neurons from human feeder-free iPSCs. <i>Neuroscience Letters</i> , 2021 , 746, 135676	3.3	4
522	Establishment of an in vitro model for analyzing mitochondrial ultrastructure in PRKN-mutated patient iPSC-derived dopaminergic neurons. <i>Molecular Brain</i> , 2021 , 14, 58	4.5	1
521	Future Perspective for Spinal Cord Regeneration. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2021 , 58, 787-794	0	

520	Human iPSC Cell-Derived Cell Aggregates Exhibited Dermal Papilla Cell Properties in Three-Dimensional Assemblage Mimicking Hair Follicle Structures. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 590333	5.7	0
519	Involvement of ferroptosis in human motor neuron cell death. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 566, 24-29	3.4	2
518	Comparison of Drug Availability in the Inner Ear After Oral, Transtympanic, and Combined Administration. <i>Frontiers in Neurology</i> , 2021 , 12, 641593	4.1	1
517	Transplantation of iPSC-derived corneal endothelial substitutes in a monkey corneal edema model. <i>Stem Cell Research</i> , 2021 , 55, 102497	1.6	4
516	Markerless analysis of hindlimb kinematics in spinal cord-injured mice through deep learning. <i>Neuroscience Research</i> , 2021 ,	2.9	3
515	Neuronal development in the cochlea of a nonhuman primate model, the common marmoset. <i>Developmental Neurobiology</i> , 2021 , 81, 905-938	3.2	2
514	Generation of a control human induced pluripotent stem cell line using the defective and persistent Sendai virus vector system. <i>Stem Cell Research</i> , 2021 , 56, 102549	1.6	1
513	Developmental dysregulation of excitatory-to-inhibitory GABA-polarity switch may underlie schizophrenia pathology: A monozygotic-twin discordant case analysis in human iPSC cell-derived neurons. <i>Neurochemistry International</i> , 2021 , 150, 105179	4.4	1
512	NEAT1 lncRNA and amyotrophic lateral sclerosis. <i>Neurochemistry International</i> , 2021 , 150, 105175	4.4	0
511	Treadmill training based on the overload principle promotes locomotor recovery in a mouse model of chronic spinal cord injury. <i>Experimental Neurology</i> , 2021 , 345, 113834	5.7	3
510	Modeling human congenital disorders with neural crest developmental defects using patient-derived induced pluripotent stem cells. <i>Regenerative Therapy</i> , 2021 , 18, 275-280	3.7	0
509	First-in-human clinical trial of transplantation of iPSC-derived NS/PCs in subacute complete spinal cord injury: Study protocol. <i>Regenerative Therapy</i> , 2021 , 18, 321-333	3.7	17
508	Brain Transcriptome Analysis Links Deficiencies of Stress-Responsive Proteins to the Pathomechanism of Kii ALS/PDC. <i>Antioxidants</i> , 2020 , 9,	7.1	4
507	Quantitative analysis of intervertebral disc degeneration using Q-space imaging in a rat model. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 2220-2229	3.8	4
506	Phase I/II Study of Intrathecal Administration of Recombinant Human Hepatocyte Growth Factor in Patients with Acute Spinal Cord Injury: A Double-Blind, Randomized Clinical Trial of Safety and Efficacy. <i>Journal of Neurotrauma</i> , 2020 , 37, 1752-1758	5.4	7
505	The NanoZoomer artificial intelligence connectomics pipeline for tracer injection studies of the marmoset brain. <i>Brain Structure and Function</i> , 2020 , 225, 1225-1243	4	2
504	Current understanding of adult neurogenesis in the mammalian brain: how does adult neurogenesis decrease with age?. <i>Inflammation and Regeneration</i> , 2020 , 40, 10	10.9	4
503	Human-specific increases size and folding of primate neocortex in the fetal marmoset. <i>Science</i> , 2020 , 369, 546-550	33.3	54

502	An NMF-based approach to discover overlooked differentially expressed gene regions from single-cell RNA-seq data. <i>NAR Genomics and Bioinformatics</i> , 2020 , 2, lqz020	3.7	4
501	Primed to Naive-Like Conversion of the Common Marmoset Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2020 , 29, 761-773	4.4	7
500	Generation of a male common marmoset embryonic stem cell line DSY127-BV8VT1 carrying double reporters specific for the germ cell lineage using the CRISPR-Cas9 and PiggyBac transposase systems. <i>Stem Cell Research</i> , 2020 , 44, 101740	1.6	4
499	An improved de novo genome assembly of the common marmoset genome yields improved contiguity and increased mapping rates of sequence data. <i>BMC Genomics</i> , 2020 , 21, 243	4.5	6
498	Reprogramming of chimpanzee fibroblasts into a multipotent cancerous but not fully pluripotent state by transducing iPSC factors in 2i/LIF culture. <i>Differentiation</i> , 2020 , 112, 67-76	3.5	1
497	Pathogenic POGZ mutation causes impaired cortical development and reversible autism-like phenotypes. <i>Nature Communications</i> , 2020 , 11, 859	17.4	29
496	Unveiling synapse pathology in spinal bulbar muscular atrophy by genome-wide transcriptome analysis of purified motor neurons derived from disease specific iPSCs. <i>Molecular Brain</i> , 2020 , 13, 18	4.5	10
495	Gene Therapy Using Neural Stem/Progenitor Cells Derived from Human Induced Pluripotent Stem Cells: Visualization of Migration and Bystander Killing Effect. <i>Human Gene Therapy</i> , 2020 , 31, 352-366	4.8	8
494	miRNA-Based Rapid Differentiation of Purified Neurons from hPSCs Advances towards Quick Screening for Neuronal Disease Phenotypes In Vitro. <i>Cells</i> , 2020 , 9,	7.9	13
493	Awake functional MRI detects neural circuit dysfunction in a mouse model of autism. <i>Science Advances</i> , 2020 , 6, eaav4520	14.3	27
492	International Brain Initiative: An Innovative Framework for Coordinated Global Brain Research Efforts. <i>Neuron</i> , 2020 , 105, 212-216	13.9	23
491	Ropinirole, a New ALS Drug Candidate Developed Using iPSCs. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 99-109	13.2	36
490	Translational derepression of Elavl4 isoforms at their alternative 5'UTRs determines neuronal development. <i>Nature Communications</i> , 2020 , 11, 1674	17.4	16
489	Analysis of the nucleocytoplasmic shuttling RNA-binding protein HNRNPU using optimized HITS-CLIP method. <i>PLoS ONE</i> , 2020 , 15, e0231450	3.7	4
488	Direct induction of neural cells from somatic cells 2020 , 179-185		
487	Direct Neuronal Reprogramming of Common Marmoset Fibroblasts by ASCL1, microRNA-9/9*, and microRNA-124 Overexpression. <i>Cells</i> , 2020 , 10,	7.9	2
486	Controlling gene activation by enhancers through a drug-inducible topological insulator. <i>ELife</i> , 2020 , 9,	8.9	4
485	A Temporo-Spatial Regulation of Sema3c Is Essential for Interaction of Progenitor Cells during Cardiac Outflow Tract Development 2020 , 377-379		

484	In vivo monitoring of remnant undifferentiated neural cells following human induced pluripotent stem cell-derived neural stem/progenitor cells transplantation. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 465-477	6.9	15
483	Polarization of Reactive Astrocytes in Response to Spinal Cord Injury is Enhanced by M2 Macrophage-Mediated Activation of Wnt/ β Catenin Pathway. <i>Molecular Neurobiology</i> , 2020 , 57, 1847-1862	6.2	9
482	Distribution of tight junctions in the primate cochlear lateral wall. <i>Neuroscience Letters</i> , 2020 , 717, 134686	6.3	4
481	Measurement of baseline locomotion and other behavioral traits in a common marmoset model of Parkinson's disease established by a single administration regimen of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine: providing reference data for efficacious preclinical evaluations. <i>Behavioural Pharmacology</i> , 2020 , 31, 45-60	2.4	2
480	Isolation and characterization of neural crest-like progenitor cells in human umbilical cord blood. <i>Regenerative Therapy</i> , 2020 , 15, 53-63	3.7	3
479	Generation of an ALS human iPSC line KEIOi001-A from peripheral blood of a Charcot disease-affected patient carrying TARDBP p.N345K heterozygous SNP mutation. <i>Stem Cell Research</i> , 2020 , 47, 101896	1.6	1
478	Low-dose rapamycin-induced autophagy in cochlear outer sulcus cells. <i>Laryngoscope Investigative Otolaryngology</i> , 2020 , 5, 520-528	2.8	4
477	Chd8 mutation in oligodendrocytes alters microstructure and functional connectivity in the mouse brain. <i>Molecular Brain</i> , 2020 , 13, 160	4.5	2
476	Generation of gene-corrected iPSCs line (KEIUi001-A) from a PARK8 patient iPSCs with familial Parkinson's disease carrying the I2020T mutation in LRRK2. <i>Stem Cell Research</i> , 2020 , 49, 102073	1.6	2
475	Characterization of brown adipose tissue thermogenesis in the naked mole-rat (<i>Heterocephalus glaber</i>), a heterothermic mammal. <i>Scientific Reports</i> , 2020 , 10, 19488	4.9	7
474	Associations of cardiovascular biomarkers and plasma albumin with exceptional survival to the highest ages. <i>Nature Communications</i> , 2020 , 11, 3820	17.4	21
473	Senescence-associated secretory phenotype promotes chronic ocular graft-vs-host disease in mice and humans. <i>FASEB Journal</i> , 2020 , 34, 10778-10800	0.9	9
472	Regenerative therapy for spinal cord injury using iPSC technology. <i>Inflammation and Regeneration</i> , 2020 , 40, 40	10.9	11
471	Cell therapy for spinal cord injury by using human iPSC-derived region-specific neural progenitor cells. <i>Molecular Brain</i> , 2020 , 13, 120	4.5	21
470	New trends in cellular therapy. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	8
469	The liver-brain-gut neural arc maintains the T cell niche in the gut. <i>Nature</i> , 2020 , 585, 591-596	50.4	50
468	Expression of ACE2 and a viral virulence-regulating factor CCN family member 1 in human iPSC-derived neural cells: implications for COVID-19-related CNS disorders. <i>Inflammation and Regeneration</i> , 2020 , 40, 32	10.9	9
467	Opportunities and limitations of genetically modified nonhuman primate models for neuroscience research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24022-24031	11.5	15

466	Human Astrocytes Model Derived from Induced Pluripotent Stem Cells. <i>Cells</i> , 2020 , 9,	7.9	11
465	The polymicrogyria-associated GPR56 promoter preferentially drives gene expression in developing GABAergic neurons in common marmosets. <i>Scientific Reports</i> , 2020 , 10, 21516	4.9	3
464	Renin-angiotensin system impairs macrophage lipid metabolism to promote age-related macular degeneration in mouse models. <i>Communications Biology</i> , 2020 , 3, 767	6.7	8
463	Optimization and validation of diffusion MRI-based fiber tracking with neural tracer data as a reference. <i>Scientific Reports</i> , 2020 , 10, 21285	4.9	4
462	Evaluating the efficacy of small molecules for neural differentiation of common marmoset ESCs and iPSCs. <i>Neuroscience Research</i> , 2020 , 155, 1-11	2.9	2
461	A combinational treatment of carotenoids decreases A β secretion in human neurons via β secretase inhibition. <i>Neuroscience Research</i> , 2020 , 158, 47-55	2.9	4
460	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. <i>NeuroImage</i> , 2020 , 205, 116278	7.9	69
459	Comparison of inner ear drug availability of combined treatment with systemic or local drug injections alone. <i>Neuroscience Research</i> , 2020 , 155, 27-33	2.9	4
458	A Cell-Based High-Throughput Screening Identified Two Compounds that Enhance PINK1-Parkin Signaling. <i>iScience</i> , 2020 , 23, 101048	6.1	14
457	atlasBEX: Automated template-derived brain extraction in animal MRI. <i>Scientific Reports</i> , 2019 , 9, 12219	4.9	13
456	A versatile toolbox for knock-in gene targeting based on the Multisite Gateway technology. <i>PLoS ONE</i> , 2019 , 14, e0221164	3.7	5
455	Efficient generation of Knock-in/Knock-out marmoset embryo via CRISPR/Cas9 gene editing. <i>Scientific Reports</i> , 2019 , 9, 12719	4.9	25
454	Src inhibition attenuates polyglutamine-mediated neuromuscular degeneration in spinal and bulbar muscular atrophy. <i>Nature Communications</i> , 2019 , 10, 4262	17.4	6
453	Pathological Progression Induced by the Frontotemporal Dementia-Associated R406W Tau Mutation in Patient-Derived iPSCs. <i>Stem Cell Reports</i> , 2019 , 13, 684-699	8	20
452	Reduced expression of somatostatin in GABAergic interneurons derived from induced pluripotent stem cells of patients with parkin mutations. <i>Molecular Brain</i> , 2019 , 12, 5	4.5	12
451	Induced Pluripotent Stem Cells Reprogrammed with Three Inhibitors Show Accelerated Differentiation Potentials with High Levels of 2-Cell Stage Marker Expression. <i>Stem Cell Reports</i> , 2019 , 12, 305-318	8	6
450	Extracellular β synuclein enters dopaminergic cells by modulating flotillin-1-assisted dopamine transporter endocytosis. <i>FASEB Journal</i> , 2019 , 33, 10240-10256	0.9	10
449	Tau isoform expression and phosphorylation in marmoset brains. <i>Journal of Biological Chemistry</i> , 2019 , 294, 11433-11444	5.4	10

448	Establishment of induced pluripotent stem cells from common marmoset fibroblasts by RNA-based reprogramming. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 515, 593-599	3.4	9
447	Degradation of Extracellular Matrix by Matrix Metalloproteinase 2 Is Essential for the Establishment of the Blood-Brain Barrier in <i>Drosophila</i> . <i>iScience</i> , 2019 , 16, 218-229	6.1	10
446	Visualization of spatiotemporal dynamics of human glioma stem cell invasion. <i>Molecular Brain</i> , 2019 , 12, 45	4.5	11
445	Involvement of p38 in Age-Related Decline in Adult Neurogenesis via Modulation of Wnt Signaling. <i>Stem Cell Reports</i> , 2019 , 12, 1313-1328	8	22
444	Cell-specific overexpression of COMT in dopaminergic neurons of Parkinson disease. <i>Brain</i> , 2019 , 142, 1675-1689	11.2	6
443	Chronic Implantation of Whole-cortical Electrographic Array in the Common Marmoset. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
442	Correlative study using structural MRI and super-resolution microscopy to detect structural alterations induced by long-term optogenetic stimulation of striatal medium spiny neurons. <i>Neurochemistry International</i> , 2019 , 125, 163-174	4.4	9
441	Application of Hepatocyte Growth Factor for Acute Spinal Cord Injury: The Road from Basic Studies to Human Treatment. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
440	Noninvasive technique to evaluate the muscle fiber characteristics using q-space imaging. <i>PLoS ONE</i> , 2019 , 14, e0214805	3.7	7
439	Analysis of skeletal-muscle condition after excessive loading of the lower legs by sequential magnetic resonance imaging. <i>Journal of Orthopaedic Science</i> , 2019 , 24, 873-880	1.6	2
438	Semi-supervised deep learning of brain tissue segmentation. <i>Neural Networks</i> , 2019 , 116, 25-34	9.1	24
437	Role of cyclooxygenase-2-mediated prostaglandin E2-prostaglandin E receptor 4 signaling in cardiac reprogramming. <i>Nature Communications</i> , 2019 , 10, 674	17.4	49
436	Comparative Principles for Next-Generation Neuroscience. <i>Frontiers in Behavioral Neuroscience</i> , 2019 , 13, 12	3.5	11
435	Robust and efficient knock-in in embryonic stem cells and early-stage embryos of the common marmoset using the CRISPR-Cas9 system. <i>Scientific Reports</i> , 2019 , 9, 1528	4.9	19
434	Increased Cytotoxicity of Herpes Simplex Virus Thymidine Kinase Expression in Human Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
433	Neuroethical Issues of the Brain/MINDS Project of Japan. <i>Neuron</i> , 2019 , 101, 385-389	13.9	7
432	Are We There Yet? How and When Specific Biotechnologies Will Improve Human Health. <i>Biotechnology Journal</i> , 2019 , 14, e1800195	5.6	5
431	PAT-Probabilistic Axon Tracking for Densely Labeled Neurons in Large 3-D Micrographs. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 69-78	11.7	7

430	In Utero Amniotic Fluid Stem Cell Therapy Protects Against Myelomeningocele via Spinal Cord Coverage and Hepatocyte Growth Factor Secretion. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 1170-1179	6.9	16
429	Generation of a human iPS cell line (CGMH.SLC26A4919-2) from a Pendred syndrome patient carrying SLC26A4 c.919-2A>G splice-site mutation. <i>Stem Cell Research</i> , 2019 , 40, 101524	1.6	4
428	Ropinirole hydrochloride remedy for amyotrophic lateral sclerosis - Protocol for a randomized, double-blind, placebo-controlled, single-center, and open-label continuation phase I/IIa clinical trial (ROPALS trial). <i>Regenerative Therapy</i> , 2019 , 11, 143-166	3.7	22
427	The adeno-associated virus rh10 vector is an effective gene transfer system for chronic spinal cord injury. <i>Scientific Reports</i> , 2019 , 9, 9844	4.9	6
426	Dual usage of a stage-specific fluorescent reporter system based on a helper-dependent adenoviral vector to visualize osteogenic differentiation. <i>Scientific Reports</i> , 2019 , 9, 9705	4.9	2
425	Relation of koniocellular layers of dorsal lateral geniculate to inferior pulvinar nuclei in common marmosets. <i>European Journal of Neuroscience</i> , 2019 , 50, 4004-4017	3.5	8
424	Cell therapy for spinal cord injury using induced pluripotent stem cells. <i>Regenerative Therapy</i> , 2019 , 11, 75-80	3.7	43
423	Aberrant axon branching via Fos-B dysregulation in FUS-ALS motor neurons. <i>EBioMedicine</i> , 2019 , 45, 362-378	8.8	30
422	Large-Area Fluorescence and Electron Microscopic Correlative Imaging With Multibeam Scanning Electron Microscopy. <i>Frontiers in Neural Circuits</i> , 2019 , 13, 29	3.5	8
421	Mutations in CHCHD2 cause β synuclein aggregation. <i>Human Molecular Genetics</i> , 2019 , 28, 3895-3911	5.6	22
420	Developmental analyses of mouse embryos and adults using a non-overlapping tracing system for all three germ layers. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	4
419	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> , 2019 , 116, 24242-24251	11.5	90
418	Excess hydrogen sulfide and polysulfides production underlies a schizophrenia pathophysiology. <i>EMBO Molecular Medicine</i> , 2019 , 11, e10695	12	25
417	Modeling of the Bipolar Disorder and Schizophrenia Using Patient-Derived Induced Pluripotent Stem Cells with Copy Number Variations of 5 and. <i>ENeuro</i> , 2019 , 6,	3.9	26
416	A high-throughput neurohistological pipeline for brain-wide mesoscale connectivity mapping of the common marmoset. <i>ELife</i> , 2019 , 8,	8.9	26
415	Significance of Regenerative Medicine and Rehabilitation for Spinal Cord Injury. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2019 , 56, 706-710	0	
414	MR Imaging Properties of ex vivo Common Marmoset Brain after Formaldehyde Fixation. <i>Magnetic Resonance in Medical Sciences</i> , 2019 , 18, 253-259	2.9	4
413	Estimating the concentration of therapeutic range using disease-specific iPS cells: Low-dose rapamycin therapy for Pendred syndrome. <i>Regenerative Therapy</i> , 2019 , 10, 54-63	3.7	11

412	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> , 2019 , 37, 6-13	5.8	71
411	Unidirectional monosynaptic connections from auditory areas to the primary visual cortex in the marmoset monkey. <i>Brain Structure and Function</i> , 2019 , 224, 111-131	4	18
410	Neuroanatomy of the Marmoset 2019 , 43-62		2
409	Selective Ablation of Tumorigenic Cells Following Human Induced Pluripotent Stem Cell-Derived Neural Stem/Progenitor Cell Transplantation in Spinal Cord Injury. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 260-270	6.9	40
408	Assessment of Mitophagy in iPS Cell-Derived Neurons. <i>Methods in Molecular Biology</i> , 2018 , 1759, 59-67	1.4	3
407	Generation of D1-1 TALEN isogenic control cell line from Dravet syndrome patient iPSCs using TALEN-mediated editing of the SCN1A gene. <i>Stem Cell Research</i> , 2018 , 28, 100-104	1.6	9
406	Nestin expression is differently regulated between odontoblasts and the subodontoblastic layer in mice. <i>Histochemistry and Cell Biology</i> , 2018 , 149, 383-391	2.4	11
405	Single-cell bioluminescence imaging of deep tissue in freely moving animals. <i>Science</i> , 2018 , 359, 935-939	33.3	181
404	Recurrent Spindle Cell Carcinoma Shows Features of Mesenchymal Stem Cells. <i>Journal of Dental Research</i> , 2018 , 97, 779-786	8.1	1
403	Engraftment of Human Pluripotent Stem Cell-derived Progenitors in the Inner Ear of Prenatal Mice. <i>Scientific Reports</i> , 2018 , 8, 1941	4.9	16
402	Elavl3 is essential for the maintenance of Purkinje neuron axons. <i>Scientific Reports</i> , 2018 , 8, 2722	4.9	23
401	The Brain/MINDS 3D digital marmoset brain atlas. <i>Scientific Data</i> , 2018 , 5, 180009	8.2	40
400	Chromatin remodeler CHD7 regulates the stem cell identity of human neural progenitors. <i>Genes and Development</i> , 2018 , 32, 165-180	12.6	19
399	Japan Strengthens Regenerative Medicine Oversight. <i>Cell Stem Cell</i> , 2018 , 22, 153-156	18	17
398	Activation of ventral tegmental area dopaminergic neurons reverses pathological allodynia resulting from nerve injury or bone cancer. <i>Molecular Pain</i> , 2018 , 14, 1744806918756406	3.4	33
397	Chemical decontamination of iPS cell-derived neural cell mixtures. <i>Chemical Communications</i> , 2018 , 54, 1355-1358	5.8	4
396	Down-regulation of ghrelin receptors on dopaminergic neurons in the substantia nigra contributes to Parkinson's disease-like motor dysfunction. <i>Molecular Brain</i> , 2018 , 11, 6	4.5	25
395	Semiquantitative Evaluation of Muscle Repair by Diffusion Tensor Imaging in Mice. <i>JBMR Plus</i> , 2018 , 2, 227-234	3.9	7

394	The power of synthetic biology for bioproduction, remediation and pollution control: The UNM Sustainable Development Goals will inevitably require the application of molecular biology and biotechnology on a global scale. <i>EMBO Reports</i> , 2018 , 19,	6.5	56
393	Quantitative temporal changes in DTI values coupled with histological properties in cuprizone-induced demyelination and remyelination. <i>Neurochemistry International</i> , 2018 , 119, 151-158	4.4	19
392	Expression pattern of EYA4 in the common marmoset (<i>Callithrix jacchus</i>) cochlea. <i>Neuroscience Letters</i> , 2018 , 662, 185-188	3.3	11
391	Digital gene atlas of neonate common marmoset brain. <i>Neuroscience Research</i> , 2018 , 128, 1-13	2.9	18
390	Parkin absence accelerates microtubule aging in dopaminergic neurons. <i>Neurobiology of Aging</i> , 2018 , 61, 66-74	5.6	31
389	iPSC-derived neural precursor cells: potential for cell transplantation therapy in spinal cord injury. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 989-1000	10.3	49
388	HER2 Heterogeneity Is Associated with Poor Survival in HER2-Positive Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	13
387	Single-cell trajectory analysis of human homogenous neurons carrying a rare RELN variant. <i>Translational Psychiatry</i> , 2018 , 8, 129	8.6	18
386	Modeling sporadic ALS in iPSC-derived motor neurons identifies a potential therapeutic agent. <i>Nature Medicine</i> , 2018 , 24, 1579-1589	50.5	169
385	Calcium Transient Dynamics of Neural Ensembles in the Primary Motor Cortex of Naturally Behaving Monkeys. <i>Cell Reports</i> , 2018 , 24, 2191-2195.e4	10.6	28
384	Responses to pup vocalizations in subordinate naked mole-rats are induced by estradiol ingested through coprophagy of queen feces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9264-9269	11.5	16
383	Rostrocaudal Areal Patterning of Human PSC-Derived Cortical Neurons by FGF8 Signaling. <i>ENeuro</i> , 2018 , 5,	3.9	9
382	Investigation of brain science and neurological/psychiatric disorders using genetically modified non-human primates. <i>Current Opinion in Neurobiology</i> , 2018 , 50, 1-6	7.6	30
381	STAT3: Down the R(h)oAd. <i>Cytokine</i> , 2018 , 102, 149-150	4	
380	The Japan Monkey Centre Primates Brain Imaging Repository for comparative neuroscience: an archive of digital records including records for endangered species. <i>Primates</i> , 2018 , 59, 553-570	1.7	9
379	LOTUS Inhibits Neuronal Apoptosis and Promotes Tract Regeneration in Contusive Spinal Cord Injury Model Mice. <i>ENeuro</i> , 2018 , 5,	3.9	12
378	Treatment with a Gamma-Secretase Inhibitor Promotes Functional Recovery in Human iPSC-Derived Transplants for Chronic Spinal Cord Injury. <i>Stem Cell Reports</i> , 2018 , 11, 1416-1432	8	43
377	Assessing cortical plasticity after spinal cord injury by using resting-state functional magnetic resonance imaging in awake adult mice. <i>Scientific Reports</i> , 2018 , 8, 14406	4.9	17

376	The pathogenesis linked to coenzyme Q10 insufficiency in iPSC-derived neurons from patients with multiple-system atrophy. <i>Scientific Reports</i> , 2018 , 8, 14215	4.9	30
375	Astrocyte-Derived Exosomes Treated With a Semaphorin 3A Inhibitor Enhance Stroke Recovery via Prostaglandin D Synthase. <i>Stroke</i> , 2018 , 49, 2483-2494	6.7	45
374	Versatile Roles of LKB1 Kinase Signaling in Neural Development and Homeostasis. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 354	6.1	10
373	T-type Calcium Channels Determine the Vulnerability of Dopaminergic Neurons to Mitochondrial Stress in Familial Parkinson Disease. <i>Stem Cell Reports</i> , 2018 , 11, 1171-1184	8	40
372	Control of directionality of chromatin folding for the inter- and intra-domain contacts at the Tfpap2c-Bmp7 locus. <i>Epigenetics and Chromatin</i> , 2018 , 11, 51	5.8	2
371	The LKB1-SIK Pathway Controls Dendrite Self-Avoidance in Purkinje Cells. <i>Cell Reports</i> , 2018 , 24, 2808-2816	6.4	14
370	The Amelioration of Pain-Related Behavior in Mice with Chronic Spinal Cord Injury Treated with Neural Stem/Progenitor Cell Transplantation Combined with Treadmill Training. <i>Journal of Neurotrauma</i> , 2018 , 35, 2561-2571	5.4	18
369	Optogenetic astrocyte activation evokes BOLD fMRI response with oxygen consumption without neuronal activity modulation. <i>Glia</i> , 2018 , 66, 2013-2023	9	44
368	Establishment of a human induced stem cell line (FUi002-A) from Dravet syndrome patient carrying heterozygous R1525X mutation in SCN1A gene. <i>Stem Cell Research</i> , 2018 , 31, 11-15	1.6	3
367	Stem cells purified from human induced pluripotent stem cell-derived neural crest-like cells promote peripheral nerve regeneration. <i>Scientific Reports</i> , 2018 , 8, 10071	4.9	28
366	Changeability of the fully methylated status of the 15q11.2 region in induced pluripotent stem cells derived from a patient with Prader-Willi syndrome. <i>Congenital Anomalies (discontinued)</i> , 2017 , 57, 96-103 ^{1.1}	1.1	8
365	Efficient induction of dopaminergic neuron differentiation from induced pluripotent stem cells reveals impaired mitophagy in PARK2 neurons. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 88-93	3.4	42
364	q-Space Myelin Map imaging for longitudinal analysis of demyelination and remyelination in multiple sclerosis patients treated with fingolimod: A preliminary study. <i>Journal of the Neurological Sciences</i> , 2017 , 373, 352-357	3.2	15
363	Whole-Genome DNA Methylation Analyses Revealed Epigenetic Instability in Tumorigenic Human iPSC Cell-Derived Neural Stem/Progenitor Cells. <i>Stem Cells</i> , 2017 , 35, 1316-1327	5.8	26
362	Dysfunction of ventrolateral striatal dopamine receptor type 2-expressing medium spiny neurons impairs instrumental motivation. <i>Nature Communications</i> , 2017 , 8, 14304	17.4	29
361	Altered Tau Isoform Ratio Caused by Loss of FUS and SFPQ Function Leads to FTL-like Phenotypes. <i>Cell Reports</i> , 2017 , 18, 1118-1131	10.6	57
360	Brief exposure to small molecules allows induction of mouse embryonic fibroblasts into neural crest-like precursors. <i>FEBS Letters</i> , 2017 , 591, 590-602	3.8	9
359	Enhanced Functional Recovery from Spinal Cord Injury in Aged Mice after Stem Cell Transplantation through HGF Induction. <i>Stem Cell Reports</i> , 2017 , 8, 509-518	8	26

358	Induction of hair follicle dermal papilla cell properties in human induced pluripotent stem cell-derived multipotent LNGFR(+)THY-1(+) mesenchymal cells. <i>Scientific Reports</i> , 2017 , 7, 42777	4.9	30
357	Correlation of insulin resistance and motor function in spinal and bulbar muscular atrophy. <i>Journal of Neurology</i> , 2017 , 264, 839-847	5.5	20
356	Evaluation of the immunogenicity of human iPS cell-derived neural stem/progenitor cells in vitro. <i>Stem Cell Research</i> , 2017 , 19, 128-138	1.6	18
355	Applications of induced pluripotent stem cell technologies in spinal cord injury. <i>Journal of Neurochemistry</i> , 2017 , 141, 848-860	6	37
354	Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives. <i>Stem Cell Reports</i> , 2017 , 8, 673-684	8	68
353	Skin-Derived Precursors as a Source of Progenitors for Corneal Endothelial Regeneration. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 788-798	6.9	26
352	Development of a practical sandwich assay to detect human pluripotent stem cells using cell culture media. <i>Regenerative Therapy</i> , 2017 , 6, 1-8	3.7	5
351	Elucidation of developmental patterns of marmoset corpus callosum through a comparative MRI in marmosets, chimpanzees, and humans. <i>Neuroscience Research</i> , 2017 , 122, 25-34	2.9	9
350	Muscle architectural properties in the common marmoset (<i>Callithrix jacchus</i>). <i>Primates</i> , 2017 , 58, 461-472.	7	8
349	In vivo microscopic voxel-based morphometry with a brain template to characterize strain-specific structures in the mouse brain. <i>Scientific Reports</i> , 2017 , 7, 85	4.9	29
348	Regulation of RhoA by STAT3 coordinates glial scar formation. <i>Journal of Cell Biology</i> , 2017 , 216, 2533-2550	5.5	48
347	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. <i>Nature Communications</i> , 2017 , 8, 28	17.4	153
346	Hypoxia Epigenetically Confers Astrocytic Differentiation Potential on Human Pluripotent Cell-Derived Neural Precursor Cells. <i>Stem Cell Reports</i> , 2017 , 8, 1743-1756	8	20
345	Technical feasibility of visualizing myenteric plexus using confocal laser endomicroscopy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017 , 32, 1604-1610	4	5
344	Cochlear Cell Modeling Using Disease-Specific iPSCs Unveils a Degenerative Phenotype and Suggests Treatments for Congenital Progressive Hearing Loss. <i>Cell Reports</i> , 2017 , 18, 68-81	10.6	47
343	Differential gene expression profiles in neurons generated from lymphoblastoid B-cell line-derived iPS cells from monozygotic twin cases with treatment-resistant schizophrenia and discordant responses to clozapine. <i>Schizophrenia Research</i> , 2017 , 181, 75-82	3.6	36
342	Developmental trajectories of macroanatomical structures in common marmoset brain. <i>Neuroscience</i> , 2017 , 364, 143-156	3.9	8
341	An RNA-binding protein, Qki5, regulates embryonic neural stem cells through pre-mRNA processing in cell adhesion signaling. <i>Genes and Development</i> , 2017 , 31, 1910-1925	12.6	33

340	Low immunogenicity of mouse induced pluripotent stem cell-derived neural stem/progenitor cells. <i>Scientific Reports</i> , 2017 , 7, 12996	4.9	15
339	RNA Sequencing Analysis Reveals Interactions between Breast Cancer or Melanoma Cells and the Tissue Microenvironment during Brain Metastasis. <i>BioMed Research International</i> , 2017 , 2017, 8032910	3	22
338	SOX10 Expression as Well as BRAF and GNAQ/11 Mutations Distinguish Pigmented Ciliary Epithelium Neoplasms From Uveal Melanomas 2017 , 58, 5445-5451		10
337	A noncoding RNA containing a SINE-B1 motif associates with meiotic metaphase chromatin and has an indispensable function during spermatogenesis. <i>PLoS ONE</i> , 2017 , 12, e0179585	3.7	7
336	Nitrative Stress and Tau Accumulation in Amyotrophic Lateral Sclerosis/Parkinsonism-Dementia Complex (ALS/PDC) in the Kii Peninsula, Japan. <i>Frontiers in Neuroscience</i> , 2017 , 11, 751	5.1	12
335	Mapping orbitofrontal-limbic maturation in non-human primates: A longitudinal magnetic resonance imaging study. <i>NeuroImage</i> , 2017 , 163, 55-67	7.9	9
334	Three-dimensional kinematic and kinetic analysis of quadrupedal walking in the common marmoset (<i>Callithrix jacchus</i>). <i>Neuroscience Research</i> , 2017 , 125, 11-20	2.9	7
333	Generation of neural cells using iPSCs from sleep bruxism patients with 5-HT2A polymorphism. <i>Journal of Prosthodontic Research</i> , 2017 , 61, 242-250	4.3	6
332	Visualization of migration of human cortical neurons generated from induced pluripotent stem cells. <i>Journal of Neuroscience Methods</i> , 2017 , 289, 57-63	3	8
331	Regulation of Sema3c and the Interaction between Cardiac Neural Crest and Second Heart Field during Outflow Tract Development. <i>Scientific Reports</i> , 2017 , 7, 6771	4.9	29
330	Backbone and side chain assignments of the second RNA-binding domain of Musashi-1 in its free form and in complex with 5-mer RNA. <i>Biomolecular NMR Assignments</i> , 2017 , 11, 265-268	0.7	2
329	The Semaphorin 3A inhibitor SM-345431 preserves corneal nerve and epithelial integrity in a murine dry eye model. <i>Scientific Reports</i> , 2017 , 7, 15584	4.9	11
328	Naive-like ESRRB iPSCs with the Capacity for Rapid Neural Differentiation. <i>Stem Cell Reports</i> , 2017 , 9, 1825-1838	8	9
327	Escape from Pluripotency via Inhibition of TGF- β /BMP and Activation of Wnt Signaling Accelerates Differentiation and Aging in hPSC Progeny Cells. <i>Stem Cell Reports</i> , 2017 , 9, 1675-1691	8	42
326	Enteric Glial Dysfunction Evoked by Apolipoprotein E Deficiency Contributes to Delayed Gastric Emptying. <i>Digestive Diseases and Sciences</i> , 2017 , 62, 3359-3369	4	4
325	Evidence that phosphorylated ubiquitin signaling is involved in the etiology of Parkinson's disease. <i>Human Molecular Genetics</i> , 2017 , 26, 3172-3185	5.6	31
324	Isolation of dental pulp stem cells with high osteogenic potential. <i>Inflammation and Regeneration</i> , 2017 , 37, 8	10.9	20
323	Astrocyte-mediated infantile-onset leukoencephalopathy mouse model. <i>Glia</i> , 2017 , 65, 150-168	9	14

322	Sox21 deletion in mice causes postnatal growth deficiency without physiological disruption of hypothalamic-pituitary endocrine axes. <i>Molecular and Cellular Endocrinology</i> , 2017 , 439, 213-223	4.4	7
321	Structural Insight into the Recognition of r(UAG) by Musashi-1 RBD2, and Construction of a Model of Musashi-1 RBD1-2 Bound to the Minimum Target RNA. <i>Molecules</i> , 2017 , 22,	4.8	16
320	Plasticity and regeneration in the injured spinal cord after cell transplantation therapy. <i>Progress in Brain Research</i> , 2017 , 231, 33-56	2.9	19
319	Developmental trajectory of the corpus callosum from infancy to the juvenile stage: Comparative MRI between chimpanzees and humans. <i>PLoS ONE</i> , 2017 , 12, e0179624	3.7	19
318	Involvement of the Septo-Hippocampal Cholinergic Pathway in Association with Septal Acetylcholinesterase Upregulation in a Mouse Model of Tauopathy. <i>Current Alzheimer Research</i> , 2017 , 14, 94-103	3	10
317	Teratoma Formation Assay for Assessing Pluripotency and Tumorigenicity of Pluripotent Stem Cells. <i>Bio-protocol</i> , 2017 , 7, e2518	0.9	2
316	The prospects of regenerative medicine combined with rehabilitative approaches for chronic spinal cord injury animal models. <i>Neural Regeneration Research</i> , 2017 , 12, 43-46	4.5	11
315	Generation of Induced Pluripotent Stem Cells and Neural Stem/Progenitor Cells from Newborns with Spina Bifida Aperta. <i>Asian Spine Journal</i> , 2017 , 11, 870-879	2.8	2
314	CHARGE syndrome modeling using patient-iPSCs reveals defective migration of neural crest cells harboring CHD7 mutations. <i>ELife</i> , 2017 , 6,	8.9	37
313	Neuroscience Research Using Non-human Primate Models and Genome Editing. <i>Research and Perspectives in Neurosciences</i> , 2017 , 73-81		1
312	Differential X Chromosome Inactivation Patterns during the Propagation of Human Induced Pluripotent Stem Cells. <i>Keio Journal of Medicine</i> , 2017 , 66, 1-8	1.6	4
311	IL-10 gene transfer upregulates arcuate POMC and ameliorates hyperphagia, obesity and diabetes by substituting for leptin. <i>International Journal of Obesity</i> , 2016 , 40, 425-33	5.5	25
310	Worldwide initiatives to advance brain research. <i>Nature Neuroscience</i> , 2016 , 19, 1118-22	25.5	69
309	Identification of hepta-histidine as a candidate drug for Huntington's disease by in silico-in vitro- in vivo-integrated screens of chemical libraries. <i>Scientific Reports</i> , 2016 , 6, 33861	4.9	4
308	Modeling neurological diseases with induced pluripotent cells reprogrammed from immortalized lymphoblastoid cell lines. <i>Molecular Brain</i> , 2016 , 9, 88	4.5	15
307	Analysis of induced pluripotent stem cells carrying 22q11.2 deletion. <i>Translational Psychiatry</i> , 2016 , 6, e934	8.6	57
306	Tumour resistance in induced pluripotent stem cells derived from naked mole-rats. <i>Nature Communications</i> , 2016 , 7, 11471	17.4	54
305	Functional Recovery from Neural Stem/Progenitor Cell Transplantation Combined with Treadmill Training in Mice with Chronic Spinal Cord Injury. <i>Scientific Reports</i> , 2016 , 6, 30898	4.9	55

304	Brain/MINDS: A Japanese National Brain Project for Marmoset Neuroscience. <i>Neuron</i> , 2016 , 92, 582-590	13.9	116
303	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. <i>Neuron</i> , 2016 , 92, 622-627	13.9	34
302	Distinct Expression Patterns Of Causative Genes Responsible For Hereditary Progressive Hearing Loss In Non-Human Primate Cochlea. <i>Scientific Reports</i> , 2016 , 6, 22250	4.9	37
301	Heterochronic microRNAs in temporal specification of neural stem cells: application toward rejuvenation. <i>Npj Aging and Mechanisms of Disease</i> , 2016 , 2, 15014	5.5	7
300	Expression pattern of wolframin, the WFS1 (Wolfram syndrome-1 gene) product, in common marmoset (<i>Callithrix jacchus</i>) cochlea. <i>NeuroReport</i> , 2016 , 27, 833-6	1.7	15
299	Image-based detection and targeting of therapy resistance in pancreatic adenocarcinoma. <i>Nature</i> , 2016 , 534, 407-411	50.4	84
298	RNA regulation went wrong in neurodevelopmental disorders: The example of Msi/Elavl RNA binding proteins. <i>International Journal of Developmental Neuroscience</i> , 2016 , 55, 124-130	2.7	15
297	Gastric carcinoma: Evaluation with diffusion-tensor MR imaging and tractography ex vivo. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 144-51	3.3	7
296	βSynuclein aggregation in the olfactory bulb of middle-aged common marmoset. <i>Neuroscience Research</i> , 2016 , 106, 55-61	2.9	6
295	Establishment of In Vitro FUS-Associated Familial Amyotrophic Lateral Sclerosis Model Using Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 496-510	8	53
294	MIF Maintains the Tumorigenic Capacity of Brain Tumor-Initiating Cells by Directly Inhibiting p53. <i>Cancer Research</i> , 2016 , 76, 2813-23	10.1	38
293	Safe and efficient method for cryopreservation of human induced pluripotent stem cell-derived neural stem and progenitor cells by a programmed freezer with a magnetic field. <i>Neuroscience Research</i> , 2016 , 107, 20-9	2.9	21
292	Functional Neurons Generated from T Cell-Derived Induced Pluripotent Stem Cells for Neurological Disease Modeling. <i>Stem Cell Reports</i> , 2016 , 6, 422-35	8	36
291	The Mediator Kinase Module Restrains Epidermal Growth Factor Receptor Signaling and Represses Vulval Cell Fate Specification in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016 , 202, 583-99	4	10
290	Grafted Human iPS Cell-Derived Oligodendrocyte Precursor Cells Contribute to Robust Remyelination of Demyelinated Axons after Spinal Cord Injury. <i>Stem Cell Reports</i> , 2016 , 6, 1-8	8	116
289	Sphere-formation culture of testicular germ cells in the common marmoset, a small New World monkey. <i>Primates</i> , 2016 , 57, 129-35	1.7	6
288	Purified Human Dental Pulp Stem Cells Promote Osteogenic Regeneration. <i>Journal of Dental Research</i> , 2016 , 95, 206-14	8.1	44
287	JMJD1C Exhibits Multiple Functions in Epigenetic Regulation during Spermatogenesis. <i>PLoS ONE</i> , 2016 , 11, e0163466	3.7	9

286	Notch2 Signaling Regulates the Proliferation of Murine Bone Marrow-Derived Mesenchymal Stem/Stromal Cells via c-Myc Expression. <i>PLoS ONE</i> , 2016 , 11, e0165946	3.7	13
285	Modeling Rett Syndrome Using Human Induced Pluripotent Stem Cells. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016 , 15, 544-50	2.6	7
284	MHC-compatible bone marrow stromal/stem cells trigger fibrosis by activating host T cells in a scleroderma mouse model. <i>ELife</i> , 2016 , 5, e09394	8.9	18
283	Establishment of Human Neural Progenitor Cells from Human Induced Pluripotent Stem Cells with Diverse Tissue Origins. <i>Stem Cells International</i> , 2016 , 2016, 7235757	5	14
282	Sustained Effect of Hyaluronic Acid in Subcutaneous Administration to the Cochlear Spiral Ganglion. <i>PLoS ONE</i> , 2016 , 11, e0153957	3.7	4
281	Distinct Expression Pattern of a Deafness Gene, KIAA1199, in a Primate Cochlea. <i>BioMed Research International</i> , 2016 , 2016, 1781894	3	10
280	Applications of Mesenchymal Stem Cells and Neural Crest Cells in Craniofacial Skeletal Research. <i>Stem Cells International</i> , 2016 , 2016, 2849879	5	6
279	Induction of artificial cancer stem cells from tongue cancer cells by defined reprogramming factors. <i>BMC Cancer</i> , 2016 , 16, 548	4.8	6
278	Fluorescence Visualization of the Enteric Nervous Network in a Chemically Induced Aganglionosis Model. <i>PLoS ONE</i> , 2016 , 11, e0150579	3.7	7
277	Generation of a Nonhuman Primate Model of Severe Combined Immunodeficiency Using Highly Efficient Genome Editing. <i>Cell Stem Cell</i> , 2016 , 19, 127-38	18	109
276	q-space MR imaging of gastric carcinoma ex vivo: Correlation with histopathologic findings. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 602-12	4.4	10
275	In vitro characterization of neurite extension using induced pluripotent stem cells derived from lissencephaly patients with TUBA1A missense mutations. <i>Molecular Brain</i> , 2016 , 9, 70	4.5	15
274	Functional brain mapping using specific sensory-circuit stimulation and a theoretical graph network analysis in mice with neuropathic allodynia. <i>Scientific Reports</i> , 2016 , 6, 37802	4.9	22
273	Functional Comparison of Neuronal Cells Differentiated from Human Induced Pluripotent Stem Cell-Derived Neural Stem Cells under Different Oxygen and Medium Conditions. <i>Journal of Biomolecular Screening</i> , 2016 , 21, 1054-1064		4
272	Pathological classification of human iPSC-derived neural stem/progenitor cells towards safety assessment of transplantation therapy for CNS diseases. <i>Molecular Brain</i> , 2016 , 9, 85	4.5	27
271	CHD7 promotes proliferation of neural stem cells mediated by MIF. <i>Molecular Brain</i> , 2016 , 9, 96	4.5	19
270	Neural changes in the primate brain correlated with the evolution of complex motor skills. <i>Scientific Reports</i> , 2016 , 6, 31084	4.9	12
269	Analysis of RNA metabolism in peripheral WBCs of TDP-43 KI mice identifies novel biomarkers of ALS. <i>Neuroscience Research</i> , 2016 , 106, 12-22	2.9	3

268	H1foo Has a Pivotal Role in Qualifying Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 825-833		29
267	Overlapping expression of anion exchangers in the cochlea of a non-human primate suggests functional compensation. <i>Neuroscience Research</i> , 2016 , 110, 1-10	2.9	18
266	SAMD9 mutations cause a novel multisystem disorder, MIRAGE syndrome, and are associated with loss of chromosome 7. <i>Nature Genetics</i> , 2016 , 48, 792-7	36.3	165
265	LNGFRTHY-1 human pluripotent stem cell-derived neural crest-like cells have the potential to develop into mesenchymal stem cells. <i>Differentiation</i> , 2016 , 92, 270-280	3.5	16
264	Musashi mediates translational repression of the Drosophila hypoxia inducible factor. <i>Nucleic Acids Research</i> , 2016 , 44, 7555-67	20.1	9
263	Application of q-Space Diffusion MRI for the Visualization of White Matter. <i>Journal of Neuroscience</i> , 2016 , 36, 2796-808	6.6	43
262	Robust production of human neural cells by establishing neuroepithelial-like stem cells from peripheral blood mononuclear cell-derived feeder-free iPSCs under xeno-free conditions. <i>Neuroscience Research</i> , 2016 , 110, 18-28	2.9	10
261	Pretreatment with a β -Secretase Inhibitor Prevents Tumor-like Overgrowth in Human iPSC-Derived Transplants for Spinal Cord Injury. <i>Stem Cell Reports</i> , 2016 , 7, 649-663	8	57
260	Physiological effects of a habituation procedure for functional MRI in awake mice using a cryogenic radiofrequency probe. <i>Journal of Neuroscience Methods</i> , 2016 , 274, 38-48	3	46
259	Combined treatment with chondroitinase ABC and treadmill rehabilitation for chronic severe spinal cord injury in adult rats. <i>Neuroscience Research</i> , 2016 , 113, 37-47	2.9	33
258	Migration and differentiation of transplanted enteric neural crest-derived cells in murine model of Hirschsprung disease. <i>Cytotechnology</i> , 2015 , 67, 661-70	2.2	14
257	STAT3-dependent reactive astrogliosis in the spinal dorsal horn underlies chronic itch. <i>Nature Medicine</i> , 2015 , 21, 927-31	50.5	113
256	Brain/MINDS: brain-mapping project in Japan. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	55
255	Gastric Carcinoma: Ex Vivo MR Imaging at 7.0 T-Correlation with Histopathologic Findings. <i>Radiology</i> , 2015 , 275, 841-8	20.5	13
254	I2020T mutant LRRK2 iPSC-derived neurons in the Sagamihara family exhibit increased Tau phosphorylation through the AKT/GSK-3 β signaling pathway. <i>Human Molecular Genetics</i> , 2015 , 24, 4879-900	5.6	47
253	Histological and electrophysiological analysis of the corticospinal pathway to forelimb motoneurons in common marmosets. <i>Neuroscience Research</i> , 2015 , 98, 35-44	2.9	18
252	Ultra-high-resolution MR imaging of esophageal carcinoma at ultra-high field strength (7.0T) ex vivo: correlation with histopathologic findings. <i>Magnetic Resonance Imaging</i> , 2015 , 33, 413-9	3.3	17
251	Brains, genes, and primates. <i>Neuron</i> , 2015 , 86, 617-31	13.9	183

250	Gene expression ontogeny of spermatogenesis in the marmoset uncovers primate characteristics during testicular development. <i>Developmental Biology</i> , 2015 , 400, 43-58	3.1	12
249	Disrupted-in-schizophrenia 1 regulates transport of ITPR1 mRNA for synaptic plasticity. <i>Nature Neuroscience</i> , 2015 , 18, 698-707	25.5	45
248	Novel in vivo imaging analysis of an inner ear drug delivery system: Drug availability in inner ear following different dose of systemic drug injections. <i>Hearing Research</i> , 2015 , 330, 142-6	3.9	8
247	MicroRNA-153 Regulates the Acquisition of Gliogenic Competence by Neural Stem Cells. <i>Stem Cell Reports</i> , 2015 , 5, 365-77	8	34
246	Immuno-Electron Microscopy and Electron Microscopic In Situ Hybridization for Visualizing piRNA Biogenesis Bodies in Drosophila Ovaries. <i>Methods in Molecular Biology</i> , 2015 , 1328, 163-78	1.4	12
245	CD34 and CD49f Double-Positive and Lineage Marker-Negative Cells Isolated from Human Myometrium Exhibit Stem Cell-Like Properties Involved in Pregnancy-Induced Uterine Remodeling. <i>Biology of Reproduction</i> , 2015 , 93, 37	3.9	14
244	Endometrial side population cells: potential adult stem/progenitor cells in endometrium. <i>Biology of Reproduction</i> , 2015 , 93, 84	3.9	31
243	Brain-mapping projects using the common marmoset. <i>Neuroscience Research</i> , 2015 , 93, 3-7	2.9	65
242	RNA-binding protein research with transcriptome-wide technologies in neural development. <i>Cell and Tissue Research</i> , 2015 , 359, 135-44	4.2	11
241	Controlling the Regional Identity of hPSC-Derived Neurons to Uncover Neuronal Subtype Specificity of Neurological Disease Phenotypes. <i>Stem Cell Reports</i> , 2015 , 5, 1010-1022	8	66
240	Acute reduction of neuronal RNA binding Elavl2 protein and Gap43 mRNA in mouse hippocampus after kainic acid treatment. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 466, 46-51	3.4	6
239	A new minimally-invasive method for microinjection into the mouse spinal dorsal horn. <i>Scientific Reports</i> , 2015 , 5, 14306	4.9	47
238	Investigation of the fatty acid transporter-encoding genes SLC27A3 and SLC27A4 in autism. <i>Scientific Reports</i> , 2015 , 5, 16239	4.9	7
237	Resequencing of the common marmoset genome improves genome assemblies and gene-coding sequence analysis. <i>Scientific Reports</i> , 2015 , 5, 16894	4.9	28
236	Differentiation of multipotent neural stem cells derived from Rett syndrome patients is biased toward the astrocytic lineage. <i>Molecular Brain</i> , 2015 , 8, 31	4.5	67
235	Alternative role of HuD splicing variants in neuronal differentiation. <i>Journal of Neuroscience Research</i> , 2015 , 93, 399-409	4.4	13
234	Neural stem/progenitor cell-laden microfibers promote transplant survival in a mouse transected spinal cord injury model. <i>Journal of Neuroscience Research</i> , 2015 , 93, 1826-38	4.4	29
233	Control of the Survival and Growth of Human Glioblastoma Grafted Into the Spinal Cord of Mice by Taking Advantage of Immunorejection. <i>Cell Transplantation</i> , 2015 , 24, 1299-311	4	6

232	Esophageal carcinoma: Evaluation with q-space diffusion-weighted MR imaging ex vivo. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 2262-73	4.4	20
231	Controlling immune rejection is a fail-safe system against potential tumorigenicity after human iPSC-derived neural stem cell transplantation. <i>PLoS ONE</i> , 2015 , 10, e0116413	3.7	32
230	Optogenetic activation of CA1 pyramidal neurons at the dorsal and ventral hippocampus evokes distinct brain-wide responses revealed by mouse fMRI. <i>PLoS ONE</i> , 2015 , 10, e0121417	3.7	38
229	Dynamic regulation of innate immune responses in <i>Drosophila</i> by Senju-mediated glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5809-14	11.5	15
228	Allogeneic Neural Stem/Progenitor Cells Derived From Embryonic Stem Cells Promote Functional Recovery After Transplantation Into Injured Spinal Cord of Nonhuman Primates. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 708-19	6.9	47
227	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> , 2015 , 29, 677-84	4.7	58
226	Voxel-based morphometry of the marmoset brain: In vivo detection of volume loss in the substantia nigra of the MPTP-treated Parkinson disease model. <i>Neuroscience</i> , 2015 , 300, 585-92	3.9	24
225	Muscle Satellite Cell Protein Teneurin-4 Regulates Differentiation During Muscle Regeneration. <i>Stem Cells</i> , 2015 , 33, 3017-27	5.8	8
224	Rapid, efficient, and simple motor neuron differentiation from human pluripotent stem cells. <i>Molecular Brain</i> , 2015 , 8, 79	4.5	50
223	Engrafted Neural Stem/Progenitor Cells Promote Functional Recovery through Synapse Reorganization with Spared Host Neurons after Spinal Cord Injury. <i>Stem Cell Reports</i> , 2015 , 5, 264-77	8	42
222	Utility of Scalp Hair Follicles as a Novel Source of Biomarker Genes for Psychiatric Illnesses. <i>Biological Psychiatry</i> , 2015 , 78, 116-25	7.9	33
221	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> , 2015 , 4, 360-73	8	147
220	Parkinson Disease: Diffusion MR Imaging to Detect Nigrostriatal Pathway Loss in a Marmoset Model Treated with 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Radiology</i> , 2015 , 275, 430-7	20.5	33
219	Connectomics: comprehensive approaches for whole-brain mapping. <i>Microscopy (Oxford, England)</i> , 2015 , 64, 57-67	1.3	21
218	Manipulating cell fate in the cochlea: a feasible therapy for hearing loss. <i>Trends in Neurosciences</i> , 2015 , 38, 139-44	13.3	19
217	Clinical utility of neuronal cells directly converted from fibroblasts of patients for neuropsychiatric disorders: studies of lysosomal storage diseases and channelopathy. <i>Current Molecular Medicine</i> , 2015 , 15, 138-45	2.5	11
216	Evolutionarily dynamic alternative splicing of GPR56 regulates regional cerebral cortical patterning. <i>Science</i> , 2014 , 343, 764-8	33.3	161
215	Modeling human neurological disorders with induced pluripotent stem cells. <i>Journal of Neurochemistry</i> , 2014 , 129, 388-99	6	77

214	Differentiation, polarization, and migration of human induced pluripotent stem cell-derived neural progenitor cells co-cultured with a human glial cell line with radial glial-like characteristics. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 447, 683-8	3.4	12
213	Human speech- and reading-related genes display partially overlapping expression patterns in the marmoset brain. <i>Brain and Language</i> , 2014 , 133, 26-38	2.9	27
212	Promise of human induced pluripotent stem cells in skin regeneration and investigation. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 605-609	4.3	19
211	Increased l1 retrotransposition in the neuronal genome in schizophrenia. <i>Neuron</i> , 2014 , 81, 306-13	13.9	220
210	Three-dimensional motion analysis of arm-reaching movements in healthy and hemispinalized common marmosets. <i>Behavioural Brain Research</i> , 2014 , 275, 259-68	3.4	11
209	Focal transplantation of human iPSC-derived glial-rich neural progenitors improves lifespan of ALS mice. <i>Stem Cell Reports</i> , 2014 , 3, 242-9	8	93
208	Leptin receptor makes its mark on MSCs. <i>Cell Stem Cell</i> , 2014 , 15, 112-4	18	24
207	Rewiring of regenerated axons by combining treadmill training with semaphorin3A inhibition. <i>Molecular Brain</i> , 2014 , 7, 14	4.5	35
206	iPS cell technologies: significance and applications to CNS regeneration and disease. <i>Molecular Brain</i> , 2014 , 7, 22	4.5	162
205	Reprogramming non-human primate somatic cells into functional neuronal cells by defined factors. <i>Molecular Brain</i> , 2014 , 7, 24	4.5	22
204	The use of induced pluripotent stem cells to reveal pathogenic gene mutations and explore treatments for retinitis pigmentosa. <i>Molecular Brain</i> , 2014 , 7, 45	4.5	78
203	Yb integrates piRNA intermediates and processing factors into perinuclear bodies to enhance piRISC assembly. <i>Cell Reports</i> , 2014 , 8, 103-13	10.6	55
202	Inflammatory cascades mediate synapse elimination in spinal cord compression. <i>Journal of Neuroinflammation</i> , 2014 , 11, 40	10.1	23
201	Involvement of ER stress in dysmyelination of Pelizaeus-Merzbacher Disease with PLP1 missense mutations shown by iPSC-derived oligodendrocytes. <i>Stem Cell Reports</i> , 2014 , 2, 648-61	8	84
200	Small RNA profiling and characterization of piRNA clusters in the adult testes of the common marmoset, a model primate. <i>Rna</i> , 2014 , 20, 1223-37	5.8	65
199	Global gene expression analysis following spinal cord injury in non-human primates. <i>Experimental Neurology</i> , 2014 , 261, 171-9	5.7	18
198	Transplantation of neural stem/progenitor cells at different locations in mice with spinal cord injury. <i>Cell Transplantation</i> , 2014 , 23, 1451-64	4	25
197	Pharmacological inhibition of cochlear mitochondrial respiratory chain induces secondary inflammation in the lateral wall: a potential therapeutic target for sensorineural hearing loss. <i>PLoS ONE</i> , 2014 , 9, e90089	3.7	16

196	Regulatory factor X transcription factors control Musashi1 transcription in mouse neural stem/progenitor cells. <i>Stem Cells and Development</i> , 2014 , 23, 2250-61	4.4	13
195	Thoracic and thoracoabdominal aortic repair under regional spinal cord hypothermia. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, 40-3	3	16
194	Inflammatory and immune responses in the cochlea: potential therapeutic targets for sensorineural hearing loss. <i>Frontiers in Pharmacology</i> , 2014 , 5, 287	5.6	73
193	Proposing a new RNA quadruplex structure: j-motif, with possible links to neural development. <i>Journal of Biochemistry</i> , 2014 , 155, 385-92	3.1	
192	Cadherin-7 regulates mossy fiber connectivity in the cerebellum. <i>Cell Reports</i> , 2014 , 9, 311-323	10.6	34
191	Diffusion-tensor MRI and tractography of the esophageal wall ex vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 567-76	5.6	16
190	Common marmoset as a new model animal for neuroscience research and genome editing technology. <i>Development Growth and Differentiation</i> , 2014 , 56, 53-62	3	137
189	Esophageal carcinoma: ex vivo evaluation with diffusion-tensor MR imaging and tractography at 7 T. <i>Radiology</i> , 2014 , 272, 164-73	20.5	20
188	The miR-17/106-p38 axis is a key regulator of the neurogenic-to-gliogenic transition in developing neural stem/progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1604-9	11.5	43
187	Prenatal deletion of the RNA-binding protein HuD disrupts postnatal cortical circuit maturation and behavior. <i>Journal of Neuroscience</i> , 2014 , 34, 3674-86	6.6	46
186	Regeneration of the damaged central nervous system through reprogramming technology: basic concepts and potential application for cell replacement therapy. <i>Experimental Neurology</i> , 2014 , 260, 12-8	5.7	25
185	Generation of germ cells in vitro in the era of induced pluripotent stem cells. <i>Molecular Reproduction and Development</i> , 2014 , 81, 2-19	2.6	24
184	Birth of healthy offspring following ICSI in in vitro-matured common marmoset (<i>Callithrix jacchus</i>) oocytes. <i>PLoS ONE</i> , 2014 , 9, e95560	3.7	30
183	A human Dravet syndrome model from patient induced pluripotent stem cells. <i>Molecular Brain</i> , 2013 , 6, 19	4.5	89
182	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> , 2013 , 6, 3	4.5	108
181	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> , 2013 , 26, 1041-50	9.8	114
180	Human induced pluripotent stem cell-derived ectodermal precursor cells contribute to hair follicle morphogenesis in vivo. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 1479-88	4.3	50
179	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> , 2013 , 6, 31	4.5	165

178	Epigenetic transcriptional activation of monocyte chemotactic protein 3 contributes to long-lasting neuropathic pain. <i>Brain</i> , 2013 , 136, 828-43	11.2	101
177	Cellular toxicity induced by the 26-kDa fragment and amyotrophic lateral sclerosis-associated mutant forms of TAR DNA-binding protein43 in human embryonic stem cell-derived motor neurons. <i>Neurology and Clinical Neuroscience</i> , 2013 , 1, 24-31	0.3	1
176	Notch inhibition induces cochlear hair cell regeneration and recovery of hearing after acoustic trauma. <i>Neuron</i> , 2013 , 77, 58-69	13.9	279
175	Cell transplantation therapies for spinal cord injury focusing on induced pluripotent stem cells. <i>Cell Research</i> , 2013 , 23, 70-80	24.7	143
174	Steps toward safe cell therapy using induced pluripotent stem cells. <i>Circulation Research</i> , 2013 , 112, 523-33	15.7	308
173	Olfactory cells via nasal biopsy reflect the developing brain in gene expression profiles: utility and limitation of the surrogate tissues in research for brain disorders. <i>Neuroscience Research</i> , 2013 , 77, 247-50 ⁹		4 ¹
172	LNGFR(+)/THY-1(+)/VCAM-1(hi+) cells reveal functionally distinct subpopulations in mesenchymal stem cells. <i>Stem Cell Reports</i> , 2013 , 1, 152-65	8	141
171	Translational Medicine of Stem Cells: Central Nervous System Regeneration and Modeling Neurological Diseases 2013 , 45-57		1
170	Diffusion tensor imaging and tractography of the spinal cord: from experimental studies to clinical application. <i>Experimental Neurology</i> , 2013 , 242, 74-82	5.7	41
169	Development and characterization of cDNA resources for the common marmoset: one of the experimental primate models. <i>DNA Research</i> , 2013 , 20, 255-62	4.5	12
168	Cell-intrinsic reprogramming capability: gain or loss of pluripotency in germ cells. <i>Reproductive Medicine and Biology</i> , 2013 , 12, 1-14	4.1	2
167	Functional corneal endothelium derived from corneal stroma stem cells of neural crest origin by retinoic acid and Wnt/ β -catenin signaling. <i>Stem Cells and Development</i> , 2013 , 22, 828-39	4.4	87
166	Sema3A regulates bone-mass accrual through sensory innervations. <i>Nature</i> , 2013 , 497, 490-3	50.4	238
165	Prospective isolation of murine and human bone marrow mesenchymal stem cells based on surface markers. <i>Stem Cells International</i> , 2013 , 2013, 507301	5	54
164	Enhanced aggregation of androgen receptor in induced pluripotent stem cell-derived neurons from spinal and bulbar muscular atrophy. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8043-8052	5.4	39
163	Human Decidua-Derived Mesenchymal Cells Are a Promising Source for the Generation and Cell Banking of Human Induced Pluripotent Stem Cells. <i>Cell Medicine</i> , 2013 , 4, 125-47	4.9	7
162	Novel method for analyzing locomotor ability after spinal cord injury in rats: technical note. <i>Neurologia Medico-Chirurgica</i> , 2013 , 53, 907-13	2.6	5
161	Sox6 up-regulation by macrophage migration inhibitory factor promotes survival and maintenance of mouse neural stem/progenitor cells. <i>PLoS ONE</i> , 2013 , 8, e74315	3.7	16

160	Multidimensional MRI-CT atlas of the naked mole-rat brain (<i>Heterocephalus glaber</i>). <i>Frontiers in Neuroanatomy</i> , 2013 , 7, 45	3.6	6
159	Comparison of Genomic and Epigenomic Expression in Monozygotic Twins Discordant for Rett Syndrome. <i>PLoS ONE</i> , 2013 , 8, e66729	3.7	40
158	Isolation of mouse mesenchymal stem cells on the basis of expression of Sca-1 and PDGFR- β . <i>Nature Protocols</i> , 2012 , 7, 2103-11	18.8	195
157	Sox21 promotes hippocampal adult neurogenesis via the transcriptional repression of the Hes5 gene. <i>Journal of Neuroscience</i> , 2012 , 32, 12543-57	6.6	50
156	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> , 2012 , 22, 469-81	5.1	154
155	Bioluminescent system for dynamic imaging of cell and animal behavior. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 419, 188-93	3.4	46
154	Neuronal Elav-like (Hu) proteins regulate RNA splicing and abundance to control glutamate levels and neuronal excitability. <i>Neuron</i> , 2012 , 75, 1067-80	13.9	143
153	Mitochondrial dysfunction associated with increased oxidative stress and β -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , 2012 , 5, 35	4.5	271
152	Macrophage migration inhibitory factor (MIF) promotes cell survival and proliferation of neural stem/progenitor cells. <i>Journal of Cell Science</i> , 2012 , 125, 3210-20	5.3	67
151	Conditions for quantitative evaluation of injured spinal cord by in vivo diffusion tensor imaging and tractography: preclinical longitudinal study in common marmosets. <i>NeuroImage</i> , 2012 , 63, 1841-53	7.9	46
150	Establishment of induced pluripotent stem cells from centenarians for neurodegenerative disease research. <i>PLoS ONE</i> , 2012 , 7, e41572	3.7	61
149	Derivation of induced pluripotent stem cells by retroviral gene transduction in mammalian species. <i>Methods in Molecular Biology</i> , 2012 , 925, 21-48	1.4	8
148	Direct isolation and RNA-seq reveal environment-dependent properties of engrafted neural stem/progenitor cells. <i>Nature Communications</i> , 2012 , 3, 1140	17.4	50
147	The common marmoset as a novel animal model system for biomedical and neuroscience research applications. <i>Seminars in Fetal and Neonatal Medicine</i> , 2012 , 17, 336-40	3.7	145
146	Cisterna-specific localization of glycosylation-related proteins to the Golgi apparatus. <i>Cell Structure and Function</i> , 2012 , 37, 55-63	2.2	15
145	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> , 2012 , 7, e33431	3.7	60
144	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> , 2012 , 7, e52787	3.7	217
143	Novel in vivo imaging analysis of an inner ear drug delivery system in mice: comparison of inner ear drug concentrations over time after transtympanic and systemic injections. <i>PLoS ONE</i> , 2012 , 7, e48480	3.7	22

142	Efficient derivation of multipotent neural stem/progenitor cells from non-human primate embryonic stem cells. <i>PLoS ONE</i> , 2012 , 7, e49469	3.7	24
141	MRI characterization of paranodal junction failure and related spinal cord changes in mice. <i>PLoS ONE</i> , 2012 , 7, e52904	3.7	15
140	Neural stem cells directly differentiated from partially reprogrammed fibroblasts rapidly acquire gliogenic competency. <i>Stem Cells</i> , 2012 , 30, 1109-19	5.8	77
139	Structure of Musashi1 in a complex with target RNA: the role of aromatic stacking interactions. <i>Nucleic Acids Research</i> , 2012 , 40, 3218-31	20.1	57
138	Molecular signatures to define spermatogenic cells in common marmoset (<i>Callithrix jacchus</i>). <i>Reproduction</i> , 2012 , 143, 597-609	3.8	15
137	MicroRNAs in Neural Stem Cells and Neurogenesis. <i>Frontiers in Neuroscience</i> , 2012 , 6, 30	5.1	86
136	Comparative anatomy of marmoset and mouse cortex from genomic expression. <i>Journal of Neuroscience</i> , 2012 , 32, 5039-53	6.6	60
135	The semaphorin 3A inhibitor SM-345431 accelerates peripheral nerve regeneration and sensitivity in a murine corneal transplantation model. <i>PLoS ONE</i> , 2012 , 7, e47716	3.7	32
134	The first clinical trial in Tohoku University Hospital after the Great East Japan Earthquake: the heroic efforts of my friend, Professor Masashi Aoki. <i>Keio Journal of Medicine</i> , 2012 , 61, 3-9	1.6	1
133	CHARACTERISATION OF NEURAL CREST-DERIVED STEM CELLS IN DIFFERENT TISSUES 2012 , 87-107		
132	Gene targeting and subsequent site-specific transgenesis at the β -actin (ACTB) locus in common marmoset embryonic stem cells. <i>Stem Cells and Development</i> , 2011 , 20, 1587-99	4.4	21
131	Generation of human melanocytes from induced pluripotent stem cells. <i>PLoS ONE</i> , 2011 , 6, e16182	3.7	84
130	Strategic approaches to regeneration of a damaged central nervous system. <i>Cornea</i> , 2011 , 30 Suppl 1, S15-8	3.1	7
129	Comparative study of methods for administering neural stem/progenitor cells to treat spinal cord injury in mice. <i>Cell Transplantation</i> , 2011 , 20, 727-39	4	71
128	Modeling familial Alzheimer's disease with induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2011 , 20, 4530-9	5.6	443
127	Expression and function of Sox21 during mouse cochlea development. <i>Neurochemical Research</i> , 2011 , 36, 1261-9	4.6	12
126	Cell therapy for spinal cord injury by neural stem/progenitor cells derived from iPS/ES cells. <i>Neurotherapeutics</i> , 2011 , 8, 668-76	6.4	56
125	Identification of a novel intronic enhancer responsible for the transcriptional regulation of musashi1 in neural stem/progenitor cells. <i>Molecular Brain</i> , 2011 , 4, 14	4.5	20

124	Significance of remyelination by neural stem/progenitor cells transplanted into the injured spinal cord. <i>Stem Cells</i> , 2011 , 29, 1983-94	5.8	117
123	Schwann cell plasticity after spinal cord injury shown by neural crest lineage tracing. <i>Glia</i> , 2011 , 59, 771-84	3.7	28
122	Beneficial compaction of spinal cord lesion by migrating astrocytes through glycogen synthase kinase-3 inhibition. <i>EMBO Molecular Medicine</i> , 2011 , 3, 682-96	12	45
121	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> , 2011 , 108, 16825-30	11.5	388
120	Isolation and function of mouse tissue resident vascular precursors marked by myelin protein zero. <i>Journal of Experimental Medicine</i> , 2011 , 208, 949-60	16.6	29
119	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> , 2011 , 286, 16121-30	5.4	56
118	Dysfunction of fibroblasts of extrarenal origin underlies renal fibrosis and renal anemia in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3981-90	15.9	252
117	Purified mesenchymal stem cells are an efficient source for iPS cell induction. <i>PLoS ONE</i> , 2011 , 6, e17610	3.7	46
116	Human hepatocyte growth factor promotes functional recovery in primates after spinal cord injury. <i>PLoS ONE</i> , 2011 , 6, e27706	3.7	76
115	Toward using iPS cells to treat spinal cord injury: Their safety and therapeutic efficacy. <i>Inflammation and Regeneration</i> , 2011 , 31, 2-9	10.9	1
114	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> , 2010 , 15, 959-69	2.3	103
113	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> , 2010 , 107, 12704-9	11.5	420
112	Fbxo45, a novel ubiquitin ligase, regulates synaptic activity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3840-3849	5.4	58
111	Musashi1 regulates breast tumor cell proliferation and is a prognostic indicator of poor survival. <i>Molecular Cancer</i> , 2010 , 9, 221	42.1	97
110	Sox10-Venus mice: a new tool for real-time labeling of neural crest lineage cells and oligodendrocytes. <i>Molecular Brain</i> , 2010 , 3, 31	4.5	57
109	Neural RNA-binding protein Musashi1 controls midline crossing of precerebellar neurons through posttranscriptional regulation of Robo3/Rig-1 expression. <i>Neuron</i> , 2010 , 67, 407-21	13.9	61
108	Anti-IL-6-receptor antibody promotes repair of spinal cord injury by inducing microglia-dominant inflammation. <i>Experimental Neurology</i> , 2010 , 224, 403-14	5.7	81
107	Neural stem cells and strategies for the regeneration of the central nervous system. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010 , 86, 438-50	4	41

106	Stem cell-like properties of the endometrial side population: implication in endometrial regeneration. <i>PLoS ONE</i> , 2010 , 5, e10387	3.7	201
105	Transplantation of galectin-1-expressing human neural stem cells into the injured spinal cord of adult common marmosets. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1394-405	4.4	60
104	Heart failure causes cholinergic transdifferentiation of cardiac sympathetic nerves via gp130-signaling cytokines in rodents. <i>Journal of Clinical Investigation</i> , 2010 , 120, 408-21	15.9	100
103	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> , 2009 , 29, 2113-24	6.6	56
102	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> , 2009 , 106, 9292-7	11.5	58
101	3Muntranslated region of doublecortin mRNA is a binding target of the Musashi1 RNA-binding protein. <i>FEBS Letters</i> , 2009 , 583, 2429-34	3.8	32
100	Neural crest-derived stem cells display a wide variety of characteristics. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 1046-52	4.7	39
99	Generation of transgenic non-human primates with germline transmission. <i>Nature</i> , 2009 , 459, 523-7	50.4	551
98	Variation in the safety of induced pluripotent stem cell lines. <i>Nature Biotechnology</i> , 2009 , 27, 743-5	44.5	702
97	Prospective identification, isolation, and systemic transplantation of multipotent mesenchymal stem cells in murine bone marrow. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2483-96	16.6	587
96	Development of mesenchymal stem cells partially originate from the neural crest. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 1114-9	3.4	205
95	Cell types to order: temporal specification of CNS stem cells. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 112-9	7.6	179
94	Visualization of peripheral nerve degeneration and regeneration: monitoring with diffusion tensor tractography. <i>NeuroImage</i> , 2009 , 44, 884-92	7.9	204
93	Roles of ES cell-derived gliogenic neural stem/progenitor cells in functional recovery after spinal cord injury. <i>PLoS ONE</i> , 2009 , 4, e7706	3.7	93
92	Requirement for COUP-TFI and II in the temporal specification of neural stem cells in CNS development. <i>Nature Neuroscience</i> , 2008 , 11, 1014-23	25.5	184
91	Ontogeny and multipotency of neural crest-derived stem cells in mouse bone marrow, dorsal root ganglia, and whisker pad. <i>Cell Stem Cell</i> , 2008 , 2, 392-403	18	303
90	Spinal cord injury: emerging beneficial role of reactive astrocytes migration. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 1649-53	5.6	85
89	Cell-cycle-specific nestin expression coordinates with morphological changes in embryonic cortical neural progenitors. <i>Journal of Cell Science</i> , 2008 , 121, 1204-12	5.3	55

88	Angiotensin II type 1 receptor signaling contributes to synaptophysin degradation and neuronal dysfunction in the diabetic retina. <i>Diabetes</i> , 2008 , 57, 2191-8	0.9	104
87	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> , 2008 , 105, 18012-7	11.5	70
86	Neural RNA-binding protein Musashi1 inhibits translation initiation by competing with eIF4G for PABP. <i>Journal of Cell Biology</i> , 2008 , 181, 639-53	7.3	149
85	Introduction. Japan: its tradition and hot topics in biological sciences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 2067-9	5.8	0
84	Diffusion-tensor neuronal fiber tractography and manganese-enhanced MR imaging of primate visual pathway in the common marmoset: preliminary results. <i>Radiology</i> , 2008 , 249, 855-64	20.5	36
83	Spatiotemporal recapitulation of central nervous system development by murine embryonic stem cell-derived neural stem/progenitor cells. <i>Stem Cells</i> , 2008 , 26, 3086-98	5.8	136
82	Two distinct stem cell lineages in murine bone marrow. <i>Stem Cells</i> , 2007 , 25, 1213-21	5.8	53
81	Hepatocyte growth factor promotes endogenous repair and functional recovery after spinal cord injury. <i>Journal of Neuroscience Research</i> , 2007 , 85, 2332-42	4.4	117
80	Beta-catenin signaling promotes proliferation of progenitor cells in the adult mouse subventricular zone. <i>Stem Cells</i> , 2007 , 25, 2827-36	5.8	203
79	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> , 2007 , 104, 1925-30	11.5	122
78	In vivo tracing of neural tracts in the intact and injured spinal cord of marmosets by diffusion tensor tractography. <i>Journal of Neuroscience</i> , 2007 , 27, 11991-8	6.6	87
77	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> , 2007 , 104, 18700-5	11.5	149
76	Impaired motor functions in mice lacking the RNA-binding protein Hzf. <i>Neuroscience Research</i> , 2007 , 58, 183-9	2.9	9
75	Effect of neurosphere size on the growth rate of human neural stem/progenitor cells. <i>Journal of Neuroscience Research</i> , 2006 , 84, 1682-91	4.4	95
74	Expression of RNA-binding protein Musashi in hair follicle development and hair cycle progression. <i>American Journal of Pathology</i> , 2006 , 168, 80-92	5.8	48
73	Isolation of multipotent neural crest-derived stem cells from the adult mouse cornea. <i>Stem Cells</i> , 2006 , 24, 2714-22	5.8	169
72	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> , 2006 , 47, 5545-52		96
71	Conditional ablation of Stat3 or Socs3 discloses a dual role for reactive astrocytes after spinal cord injury. <i>Nature Medicine</i> , 2006 , 12, 829-34	50.5	707

70	A selective Sema3A inhibitor enhances regenerative responses and functional recovery of the injured spinal cord. <i>Nature Medicine</i> , 2006 , 12, 1380-9	50.5	316
69	Function of RNA-binding protein Musashi-1 in stem cells. <i>Experimental Cell Research</i> , 2005 , 306, 349-56	4.2	305
68	Lecithinized brain-derived neurotrophic factor promotes the differentiation of embryonic stem cells in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 1051-7	3.4	14
67	Visualization of spatiotemporal activation of Notch signaling: live monitoring and significance in neural development. <i>Developmental Biology</i> , 2005 , 286, 311-25	3.1	59
66	Role of IL-6 in spinal cord injury in a mouse model. <i>Clinical Reviews in Allergy and Immunology</i> , 2005 , 28, 197-204	12.3	56
65	Establishment of novel embryonic stem cell lines derived from the common marmoset (<i>Callithrix jacchus</i>). <i>Stem Cells</i> , 2005 , 23, 1304-13	5.8	132
64	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> , 2005 , 22, 3036-46	3.5	142
63	Components of the transcriptional Mediator complex are required for asymmetric cell division in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2005 , 132, 1885-93	6.6	67
62	Involvement of Hu and heterogeneous nuclear ribonucleoprotein K in neuronal differentiation through p21 mRNA post-transcriptional regulation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12690-9	5.4	105
61	Hzf protein regulates dendritic localization and BDNF-induced translation of type 1 inositol 1,4,5-trisphosphate receptor mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17190-5	11.5	23
60	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> , 2005 , 19, 1839-41	0.9	200
59	Cardiac neural crest cells contribute to the dormant multipotent stem cell in the mammalian heart. <i>Journal of Cell Biology</i> , 2005 , 170, 1135-46	7.3	278
58	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> , 2005 , 102, 4625-30	11.5	155
57	Serial and simultaneous PET measurement of fetal nigral transplantation in hemi-Parkinson model rats with [¹¹ C]PE2I and [¹¹ C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S503-S503	7.3	53
56	Comparison between fetal spinal-cord- and forebrain-derived neural stem/progenitor cells as a source of transplantation for spinal cord injury. <i>Developmental Neuroscience</i> , 2004 , 26, 275-87	2.2	55
55	Mapping spatio-temporal activation of Notch signaling during neurogenesis and gliogenesis in the developing mouse brain. <i>Journal of Neurochemistry</i> , 2004 , 90, 142-54	6	95
54	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> , 2004 , 78, 215-23	4.4	147
53	Retinoic-acid-concentration-dependent acquisition of neural cell identity during in vitro differentiation of mouse embryonic stem cells. <i>Developmental Biology</i> , 2004 , 275, 124-42	3.1	267

52	Unexpectedly efficient homing capacity of purified murine hematopoietic stem cells. <i>Immunity</i> , 2004 , 20, 87-93	32.3	255
51	6. Stem cell biology and regeneration of the central nervous system (A4 Current treatment strategy of spinal disease). <i>Japanese Journal of Neurosurgery</i> , 2004 , 13, 289	0	
50	Identification of a putative intestinal stem cell and early lineage marker; musashi-1. <i>Differentiation</i> , 2003 , 71, 28-41	3.5	399
49	Expression of tubulin beta II in neural stem/progenitor cells and radial fibers during human fetal brain development. <i>Laboratory Investigation</i> , 2003 , 83, 479-89	5.9	38
48	Hepatocyte growth factor promotes proliferation and neuronal differentiation of neural stem cells from mouse embryos. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 190-7	4.8	41
47	Making and repairing the mammalian brain: Introduction. <i>Seminars in Cell and Developmental Biology</i> , 2003 , 14, 159	7.5	11
46	Transplantation of neural stem cells into the spinal cord after injury. <i>Seminars in Cell and Developmental Biology</i> , 2003 , 14, 191-8	7.5	137
45	Origin of higher affinity to RNA of the N-terminal RNA-binding domain than that of the C-terminal one of a mouse neural protein, musashi1, as revealed by comparison of their structures, modes of interaction, surface electrostatic potentials, and backbone dynamics. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41369-75	5.4	21
44	Neural stem cells: progression of basic research and perspective for clinical application. <i>Keio Journal of Medicine</i> , 2002 , 51, 115-28	1.6	49
43	Stem cell biology of the central nervous system. <i>Journal of Neuroscience Research</i> , 2002 , 69, 698-707	4.4	235
42	Nestin enhancer requirements for expression in normal and injured adult CNS. <i>Journal of Neuroscience Research</i> , 2002 , 69, 784-94	4.4	45
41	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> , 2002 , 69, 869-79	4.4	123
40	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> , 2002 , 99, 15194-9	11.5	276
39	Isolation and transplantation of dopaminergic neurons and neural stem cells. <i>Parkinsonism and Related Disorders</i> , 2002 , 9, 23-8	3.6	14
38	Musashi: a translational regulator of cell fate. <i>Journal of Cell Science</i> , 2002 , 115, 1355-1359	5.3	240
37	Musashi: a translational regulator of cell fate. <i>Journal of Cell Science</i> , 2002 , 115, 1355-9	5.3	243
36	Expression of mouse igf2 mRNA-binding protein 3 and its implications for the developing central nervous system. <i>Journal of Neuroscience Research</i> , 2001 , 64, 132-43	4.4	46
35	Direct isolation of committed neuronal progenitor cells from transgenic mice coexpressing spectrally distinct fluorescent proteins regulated by stage-specific neural promoters. <i>Journal of Neuroscience Research</i> , 2001 , 65, 220-7	4.4	53

34	High-yield selection and extraction of two promoter-defined phenotypes of neural stem cells from the fetal human brain. <i>Nature Biotechnology</i> , 2001 , 19, 843-50	44.5	155
33	Translational repression determines a neuronal potential in <i>Drosophila</i> asymmetric cell division. <i>Nature</i> , 2001 , 411, 94-8	50.4	156
32	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> , 2001 , 68, 141-52	3.5	109
31	Brain from bone: efficient "meta-differentiation" of marrow stroma-derived mature osteoblasts to neurons with Noggin or a demethylating agent. <i>Differentiation</i> , 2001 , 68, 235-44	3.5	265
30	The neural RNA-binding protein Musashi1 translationally regulates mammalian numb gene expression by interacting with its mRNA. <i>Molecular and Cellular Biology</i> , 2001 , 21, 3888-900	4.8	360
29	Nestin-EGFP transgenic mice: visualization of the self-renewal and multipotency of CNS stem cells. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 259-73	4.8	275
28	Murine homologs of deltex define a novel gene family involved in vertebrate Notch signaling and neurogenesis. <i>International Journal of Developmental Neuroscience</i> , 2001 , 19, 21-35	2.7	77
27	Rna-binding protein Musashi2: developmentally regulated expression in neural precursor cells and subpopulations of neurons in mammalian CNS. <i>Journal of Neuroscience</i> , 2001 , 21, 8091-107	6.6	186
26	GAL4/UAS-WGA system as a powerful tool for tracing <i>Drosophila</i> transsynaptic neural pathways. <i>Journal of Neuroscience Research</i> , 2000 , 59, 94-99	4.4	34
25	MSI-1, a neural RNA-binding protein, is involved in male mating behaviour in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2000 , 5, 885-895	2.3	32
24	In vitro neurogenesis by progenitor cells isolated from the adult human hippocampus. <i>Nature Medicine</i> , 2000 , 6, 271-7	50.5	484
23	Mutations modulating the Argos-regulated signaling pathway in <i>Drosophila</i> eye development. <i>Genetics</i> , 2000 , 154, 1639-48	4	5
22	GAL4/UAS-WGA system as a powerful tool for tracing <i>Drosophila</i> transsynaptic neural pathways 2000 , 59, 94		1
21	GAL4/UAS-WGA system as a powerful tool for tracing <i>Drosophila</i> transsynaptic neural pathways 2000 , 59, 94		1
20	Musashi and seven in absentia downregulate Tramtrack through distinct mechanisms in <i>Drosophila</i> eye development. <i>Mechanisms of Development</i> , 1999 , 87, 93-101	1.7	36
19	Structure, backbone dynamics and interactions with RNA of the C-terminal RNA-binding domain of a mouse neural RNA-binding protein, Musashi1. <i>Journal of Molecular Biology</i> , 1999 , 287, 315-30	6.5	43
18	Argos induces programmed cell death in the developing <i>Drosophila</i> eye by inhibition of the Ras pathway. <i>Cell Death and Differentiation</i> , 1998 , 5, 262-70	12.7	46
17	Fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells. <i>Annals of Neurology</i> , 1998 , 43, 576-85	9.4	242

16	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> , 1997 , 17, 8300-12	6.6	233
15	ICE/CED-3 family executes oligodendrocyte apoptosis by tumor necrosis factor. <i>Journal of Neurochemistry</i> , 1997 , 69, 10-20	6	119
14	Mouse-Musashi-1, a neural RNA-binding protein highly enriched in the mammalian CNS stem cell. <i>Developmental Biology</i> , 1996 , 176, 230-42	3.1	453
13	Glial cell degeneration and hypomyelination caused by overexpression of myelin proteolipid protein gene. <i>Neuron</i> , 1994 , 13, 427-42	13.9	245
12	Musashi, a neural RNA-binding protein required for Drosophila adult external sensory organ development. <i>Neuron</i> , 1994 , 13, 67-81	13.9	282
11	Chimeric and molecular genetic analysis of myelin-deficient (shiverer and mld) mutant mice. <i>Annals of the New York Academy of Sciences</i> , 1990 , 605, 166-82	6.5	2
10	Inefficient transcription of the myelin basic protein gene possibly causes hypomyelination in myelin-deficient mutant mice. <i>Journal of Neurochemistry</i> , 1987 , 48, 470-6	6	56
9	Dysmyelination in Shiverer and Myelin Deficient (mld) Mutant Mice. <i>Proceedings of the Japanese Association of Animal Models for Human Diseases</i> , 1985 , 1, 4-9		
8	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> , 1985 , 44, 692-6	6	89
7	Continuity between koniocellular layers of dorsal lateral geniculate and inferior pulvinar nuclei in common marmosets		1
6	The Japan Monkey Centre Primates Brain Imaging Repository of high-resolution postmortem magnetic resonance imaging: the second phase of the archive of digital records		1
5	Flexible annotation atlas of the mouse brain: combining and dividing brain structures of the Allen Brain Atlas while maintaining anatomical hierarchy		1
4	Senescent cell death as an aging resistance mechanism in naked mole-rat		2
3	Starburst amacrine cells amplify optogenetic visual restoration through gap junctions		1
2	A High-throughput Neurohistological Pipeline for Brain-Wide Mesoscale Connectivity Mapping of the Common Marmoset		3
1	Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis		5