

Shinsuke Shibata

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

6,626
citations

81900

39
h-index

66911

78
g-index

101
all docs

101
docs citations

101
times ranked

9573
citing authors

#	ARTICLE	IF	CITATIONS
1	Eyelid blood vessel and meibomian gland changes in a sclerodermatous chronic GVHD mouse model. <i>Ocular Surface</i> , 2022, 26, 328-341.	4.4	7
2	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.	4.8	29
3	Transfected plasmid DNA is incorporated into the nucleus via nuclear envelope reformation at telophase. <i>Communications Biology</i> , 2022, 5, 78.	4.4	14
4	Administration of C5a Receptor Antagonist Improves the Efficacy of Human Induced Pluripotent Stem Cell-Derived Neural Stem/Progenitor Cell Transplantation in the Acute Phase of Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2022, 39, 667-682.	3.4	5
5	Glycosaminoglycans promote osteogenesis from human induced pluripotent stem cells via neural crest induction. <i>Biochemical and Biophysical Research Communications</i> , 2022, 603, 49-56.	2.1	1
6	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.	3.0	4
7	Development of Human Gut Organoids With Resident Tissue Macrophages as a Model of Intestinal Immune Responses. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 726-729.e5.	4.5	6
8	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.	3.3	22
9	Ddx20, <sc>DEAD</sc> box helicase 20, is essential for the differentiation of oligodendrocyte and maintenance of myelin gene expression. <i>Glia</i> , 2021, 69, 2559-2574.	4.9	7
10	Novel bile acid biosynthetic pathways are enriched in the microbiome of centenarians. <i>Nature</i> , 2021, 599, 458-464.	27.8	251
11	Long-term selective stimulation of transplanted neural stem/progenitor cells for spinal cord injury improves locomotor function. <i>Cell Reports</i> , 2021, 37, 110019.	6.4	34
12	GDNF rescues the fate of neural progenitor grafts by attenuating Notch signals in the injured spinal cord in rodents. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	57
13	Regulation of Fetal Genes by Transitions among RNA-Binding Proteins during Liver Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9319.	4.1	3
14	Senescence-associated secretory phenotype promotes chronic ocular graft-vs-host disease in mice and humans. <i>FASEB Journal</i> , 2020, 34, 10778-10800.	0.5	26
15	Cell therapy for spinal cord injury by using human iPSC-derived region-specific neural progenitor cells. <i>Molecular Brain</i> , 2020, 13, 120.	2.6	51
16	The liver-brain-gut neural arc maintains the Treg cell niche in the gut. <i>Nature</i> , 2020, 585, 591-596.	27.8	126
17	Pathological processes in aqueous humor due to iris atrophy predispose to early corneal graft failure in humans and mice. <i>Science Advances</i> , 2020, 6, eaaz5195.	10.3	22
18	Lem2 and Lnp1 maintain the membrane boundary between the nuclear envelope and endoplasmic reticulum. <i>Communications Biology</i> , 2020, 3, 276.	4.4	29

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19	Macrophages fine-tune pupil shape during development. <i>Developmental Biology</i> , 2020, 464, 137-144.	2.0	1
20	YAP-dependent necrosis occurs in early stages of Alzheimer's disease and regulates mouse model pathology. <i>Nature Communications</i> , 2020, 11, 507.	12.8	62
21	The adeno-associated virus rh10 vector is an effective gene transfer system for chronic spinal cord injury. <i>Scientific Reports</i> , 2019, 9, 9844.	3.3	12
22	Large-Area Fluorescence and Electron Microscopic Correlative Imaging With Multibeam Scanning Electron Microscopy. <i>Frontiers in Neural Circuits</i> , 2019, 13, 29.	2.8	22
23	A Human Induced Pluripotent Stem Cell-Derived Tissue Model of a Cerebral Tract Connecting Two Cortical Regions. <i>iScience</i> , 2019, 14, 301-311.	4.1	30
24	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.	3.8	18
25	Very-long-chain fatty acid elongase Elo2 rescues lethal defects associated with loss of the nuclear barrier function. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	38
26	Innervation of the tibial epiphysis through the intercondylar foramen. <i>Bone</i> , 2019, 120, 297-304.	2.9	16
27	The orientation of a decellularized uterine scaffold determines the tissue topology and architecture of the regenerated uterus in rats. <i>Biology of Reproduction</i> , 2019, 100, 1215-1227.	2.7	30
28	Cytokine Levels in the Aqueous Humor Are Associated With Corneal Thickness in Eyes With Bullous Keratopathy. <i>American Journal of Ophthalmology</i> , 2019, 198, 174-180.	3.3	14
29	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.	3.3	68
30	Tropomyosin 2 heterozygous knockout in mice using CRISPR-Cas9 system displays the inhibition of injury-induced epithelial-mesenchymal transition, and lens opacity. <i>Mechanisms of Ageing and Development</i> , 2018, 171, 24-30.	4.6	19
31	Ocular Surface and Tear Film Characteristics in a Sclerodermatous Chronic Graft-Versus-Host Disease Mouse Model. <i>Cornea</i> , 2018, 37, 486-494.	1.7	11
32	Polyvinyl alcohol-iodine induced corneal epithelial injury in vivo and its protection by topical rebamipide treatment. <i>PLoS ONE</i> , 2018, 13, e0208198.	2.5	7
33	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.	1.1	12
34	Human Oligodendrogenic Neural Progenitor Cells Delivered with Chondroitinase ABC Facilitate Functional Repair of Chronic Spinal Cord Injury. <i>Stem Cell Reports</i> , 2018, 11, 1433-1448.	4.8	81
35	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.	4.8	66
36	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.	3.3	39

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37	Human Spinal Oligodendrogenic Neural Progenitor Cells Promote Functional Recovery After Spinal Cord Injury by Axonal Remyelination and Tissue Sparing. <i>Stem Cells Translational Medicine</i> , 2018, 7, 806-818.	3.3	76
38	Brief exposure to small molecules allows induction of mouse embryonic fibroblasts into neural crest-like precursors. <i>FEBS Letters</i> , 2017, 591, 590-602.	2.8	11
39	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.	4.8	43
40	Skin-Derived Precursors as a Source of Progenitors for Corneal Endothelial Regeneration. <i>Stem Cells Translational Medicine</i> , 2017, 6, 788-798.	3.3	37
41	FGF2 antagonizes aberrant TGF β ² regulation of tropomyosin: role for posterior capsule opacity. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 916-928.	3.6	25
42	Neural stem cell mediated recovery is enhanced by Chondroitinase ABC pretreatment in chronic cervical spinal cord injury. <i>PLoS ONE</i> , 2017, 12, e0182339.	2.5	73
43	Sustained Effect of Hyaluronic Acid in Subcutaneous Administration to the Cochlear Spiral Ganglion. <i>PLoS ONE</i> , 2016, 11, e0153957.	2.5	5
44	Applications of Mesenchymal Stem Cells and Neural Crest Cells in Craniofacial Skeletal Research. <i>Stem Cells International</i> , 2016, 2016, 1-8.	2.5	8
45	Fluorescence Visualization of the Enteric Nervous Network in a Chemically Induced Aganglionosis Model. <i>PLoS ONE</i> , 2016, 11, e0150579.	2.5	9
46	Obesity-induced kidney injury is attenuated by amelioration of aberrant PHD2 activation in proximal tubules. <i>Scientific Reports</i> , 2016, 6, 36533.	3.3	11
47	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.	3.3	30
48	SAMD9 mutations cause a novel multisystem disorder, MIRAGE syndrome, and are associated with loss of chromosome 7. <i>Nature Genetics</i> , 2016, 48, 792-797.	21.4	243
49	LNGFR+THY-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.	1.9	20
50	Application of <i>q</i> -Space Diffusion MRI for the Visualization of White Matter. <i>Journal of Neuroscience</i> , 2016, 36, 2796-2808.	3.6	56
51	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.	1.9	53
52	The role of Prdx6 in the protection of cells of the crystalline lens from oxidative stress induced by UV exposure. <i>Japanese Journal of Ophthalmology</i> , 2016, 60, 408-418.	1.9	16
53	<i>In Utero</i> Exposure to Valproic Acid Induces Neocortical Dysgenesis via Dysregulation of Neural Progenitor Cell Proliferation/Differentiation. <i>Journal of Neuroscience</i> , 2016, 36, 10908-10919.	3.6	37
54	Image-based detection and targeting of therapy resistance in pancreatic adenocarcinoma. <i>Nature</i> , 2016, 534, 407-411.	27.8	114

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55	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.	4.8	168
56	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, 708-719.	3.3	58
57	Connectomics: comprehensive approaches for whole-brain mapping. <i>Microscopy (Oxford, England)</i> , 2015, 64, 57-67.	1.5	22
58	Migration and differentiation of transplanted enteric neural crest-derived cells in murine model of Hirschsprung's disease. <i>Cytotechnology</i> , 2015, 67, 661-670.	1.6	16
59	Gene expression ontogeny of spermatogenesis in the marmoset uncovers primate characteristics during testicular development. <i>Developmental Biology</i> , 2015, 400, 43-58.	2.0	15
60	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, 142-146.	2.0	9
61	Immuno-Electron Microscopy and Electron Microscopic In Situ Hybridization for Visualizing piRNA Biogenesis Bodies in <i>Drosophila</i> Ovaries. <i>Methods in Molecular Biology</i> , 2015, 1328, 163-178.	0.9	21
62	Optical simulation for subsurface nanoglistening. <i>Journal of Cataract and Refractive Surgery</i> , 2015, 41, 193-198.	1.5	12
63	Rewiring of regenerated axons by combining treadmill training with semaphorin3A inhibition. <i>Molecular Brain</i> , 2014, 7, 14.	2.6	45
64	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, 648-661.	4.8	100
65	Global gene expression analysis following spinal cord injury in non-human primates. <i>Experimental Neurology</i> , 2014, 261, 171-179.	4.1	33
66	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, 1041-1050.	5.5	146
67	Sema3A regulates bone-mass accrual through sensory innervations. <i>Nature</i> , 2013, 497, 490-493.	27.8	329
68	Musashi-1 Post-Transcriptionally Enhances Phosphotyrosine-Binding Domain-Containing m-Numb Protein Expression in Regenerating Gastric Mucosa. <i>PLoS ONE</i> , 2013, 8, e53540.	2.5	26
69	Sustained bFGF-Release Tubes for Peripheral Nerve Regeneration. <i>Plastic and Reconstructive Surgery</i> , 2012, 130, 866-876.	1.4	21
70	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.	2.5	23
71	MRI Characterization of Paranodal Junction Failure and Related Spinal Cord Changes in Mice. <i>PLoS ONE</i> , 2012, 7, e52904.	2.5	16
72	Characterization of the RNA-binding protein Musashi1 in zebrafish. <i>Brain Research</i> , 2012, 1462, 162-173.	2.2	20

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73	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.	2.5	35
74	Expression and Function of Sox21 During Mouse Cochlea Development. <i>Neurochemical Research</i> , 2011, 36, 1261-1269.	3.3	12
75	Significance of Remyelination by Neural Stem/Progenitor Cells Transplanted into the Injured Spinal Cord. <i>Stem Cells</i> , 2011, 29, 1983-1994.	3.2	129
76	Schwann cell plasticity after spinal cord injury shown by neural crest lineage tracing. <i>Glia</i> , 2011, 59, 771-784.	4.9	31
77	Beneficial compaction of spinal cord lesion by migrating astrocytes through glycogen synthase kinase-3 inhibition. <i>EMBO Molecular Medicine</i> , 2011, 3, 682-696.	6.9	56
78	Dysfunction of fibroblasts of extrarenal origin underlies renal fibrosis and renal anemia in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3981-3990.	8.2	307
79	Schwann-Spheres Derived from Injured Peripheral Nerves in Adult Mice - Their In Vitro Characterization and Therapeutic Potential. <i>PLoS ONE</i> , 2011, 6, e21497.	2.5	13
80	Induction of neural crest cells from mouse embryonic stem cells in a serum-free monolayer culture. <i>International Journal of Developmental Biology</i> , 2010, 54, 1287-1294.	0.6	30
81	Fbxo45, a Novel Ubiquitin Ligase, Regulates Synaptic Activity. <i>Journal of Biological Chemistry</i> , 2010, 285, 3840-3849.	3.4	69
82	Sox10-Venus mice: a new tool for real-time labeling of neural crest lineage cells and oligodendrocytes. <i>Molecular Brain</i> , 2010, 3, 31.	2.6	70
83	The Neural Stem/Progenitor Cell Marker Nestin Is Expressed in Proliferative Endothelial Cells, but Not in Mature Vasculature. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 721-730.	2.5	199
84	Blockade of interleukin-6 signaling suppressed cochlear inflammatory response and improved hearing impairment in noise-damaged mice cochlea. <i>Neuroscience Research</i> , 2010, 66, 345-352.	1.9	159
85	Neural crest-derived stem cells display a wide variety of characteristics. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 1046-1052.	2.6	44
86	Cell surface N-glycans mediated isolation of mouse neural stem cells. <i>Journal of Neurochemistry</i> , 2009, 110, 1575-1584.	3.9	20
87	Musashi-1, an RNA-binding protein, is indispensable for survival of photoreceptors. <i>Experimental Eye Research</i> , 2009, 88, 347-355.	2.6	37
88	Visualization of peripheral nerve degeneration and regeneration: Monitoring with diffusion tensor tractography. <i>NeuroImage</i> , 2009, 44, 884-892.	4.2	229
89	Roles of ES Cell-Derived Gliogenic Neural Stem/Progenitor Cells in Functional Recovery after Spinal Cord Injury. <i>PLoS ONE</i> , 2009, 4, e7706.	2.5	109
90	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.	11.1	347

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91	Spinal cord injury: Emerging beneficial role of reactive astrocytesâ€™ migration. International Journal of Biochemistry and Cell Biology, 2008, 40, 1649-1653.	2.8	101
92	Hepatocyte growth factor promotes endogenous repair and functional recovery after spinal cord injury. Journal of Neuroscience Research, 2007, 85, 2332-2342.	2.9	144
93	Expression of RNA-Binding Protein Musashi in Hair Follicle Development and Hair Cycle Progression. American Journal of Pathology, 2006, 168, 80-92.	3.8	55
94	A selective Sema3A inhibitor enhances regenerative responses and functional recovery of the injured spinal cord. Nature Medicine, 2006, 12, 1380-1389.	30.7	368
95	The RNA-binding protein HuD regulates neuronal cell identity and maturation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4625-4630.	7.1	196
96	Function of RNA-binding protein Musashi-1 in stem cells. Experimental Cell Research, 2005, 306, 349-356.	2.6	356
97	RNA-binding protein Musashi family: Roles for CNS stem cells and a subpopulation of ependymal cells revealed by targeted disruption and antisense ablation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15194-15199.	7.1	320
98	<p>Sequential Matrix Metalloproteinase-1 Expression Triggered by Infiltrating Monocytic Lineage Cells Modulates Pathophysiological Aspects of Human Nonalcoholic Steatohepatitis</p>. Metalloproteinases in Medicine, 0, Volume 7, 1-13.	1.0	0