Seung U Kim

List of Publications by Year
in descending order

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360 papers	21,102 citations	6606 79 h-index	15249 126 g-index
362 all docs	362 docs citations	362 times ranked	19432 citing authors

#	Article	IF	Citations
1	Engraftable human neural stem cells respond to development cues, replace neurons, and express foreign genes. Nature Biotechnology, 1998, 16, 1033-1039.	9.4	760
2	Microglia in health and disease. Journal of Neuroscience Research, 2005, 81, 302-313.	1.3	601
3	Length of huntingtin and its polyglutamine tract influences localization and frequency of intracellular aggregates. Nature Genetics, 1998, 18, 150-154.	9.4	456
4	Anti-inflammatory mechanism of intravascular neural stem cell transplantation in haemorrhagic stroke. Brain, 2008, 131, 616-629.	3.7	412
5	Stem cellâ€based cell therapy in neurological diseases: A review. Journal of Neuroscience Research, 2009, 87, 2183-2200.	1.3	387
6	Human Neural Stem Cell Transplantation Promotes Functional Recovery in Rats With Experimental Intracerebral Hemorrhage. Stroke, 2003, 34, 2258-2263.	1.0	345
7	Behavioral improvement in a primate Parkinson's model is associated with multiple homeostatic effects of human neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12175-12180.	3.3	339
8	Cytokines, chemokines, and cytokine receptors in human microglia. Journal of Neuroscience Research, 2002, 69, 94-103.	1.3	318
9	Human Astrocytes: Secretome Profiles of Cytokines and Chemokines. PLoS ONE, 2014, 9, e92325.	1.1	303
10	Erythropoietin and Erythropoietin Receptors in Human CNS Neurons, Astrocytes, Microglia, and Oligodendrocytes Grown in Culture. Journal of Neuropathology and Experimental Neurology, 2001, 60, 386-392.	0.9	270
11	Transplantation of Human Neural Stem Cells Exerts Neuroprotection in a Rat Model of Parkinson's Disease. Journal of Neuroscience, 2006, 26, 12497-12511.	1.7	266
12	Cyclooxygenase-2 inhibitor, celecoxib, inhibits the altered hippocampal neurogenesis with attenuation of spontaneous recurrent seizures following pilocarpine-induced status epilepticus. Neurobiology of Disease, 2006, 23, 237-246.	2.1	258
13	Sodium Selenite Induces Superoxide-Mediated Mitochondrial Damage and Subsequent Autophagic Cell Death in Malignant Glioma Cells. Cancer Research, 2007, 67, 6314-6324.	0.4	236
14	Segregation of Human Neural Stem Cells in the Developing Primate Forebrain. Science, 2001, 293, 1820-1824.	6.0	228
15	Human neural stem cells improve sensorimotor deficits in the adult rat brain with experimental focal ischemia. Brain Research, 2004, 1016, 145-153.	1.1	227
16	Human Neural Stem Cells Over-Expressing VEGF Provide Neuroprotection, Angiogenesis and Functional Recovery in Mouse Stroke Model. PLoS ONE, 2007, 2, e156.	1.1	217
17	Fractalkine and fractalkine receptors in human neurons and glial cells. Journal of Neuroscience Research, 2002, 69, 418-426.	1.3	215
18	Transplantation of human mesenchymal stem cells promotes functional improvement and increased expression of neurotrophic factors in a rat focal cerebral ischemia model. Journal of Neuroscience Research, 2010, 88, 1017-1025.	1.3	209

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19	Human neural stem cells genetically modified for brain repair in neurological disorders. Neuropathology, 2004, 24, 159-171.	0.7	208
20	Brain Transplantation of Immortalized Human Neural Stem Cells Promotes Functional Recovery in Mouse Intracerebral Hemorrhage Stroke Model. Stem Cells, 2007, 25, 1204-1212.	1.4	206
21	Human Neural Stem Cells Target Experimental Intracranial Medulloblastoma and Deliver a Therapeutic Gene Leading to Tumor Regression. Clinical Cancer Research, 2006, 12, 5550-5556.	3.2	197
22	Neural Stem Cellâ€“Mediated Enzyme/Prodrug Therapy for Glioma: Preclinical Studies. Science Translational Medicine, 2013, 5, 184ra59.	5.8	194
23	Human neural stem cells can migrate, differentiate, and integrate after intravenous transplantation in adult rats with transient forebrain ischemia. Neuroscience Letters, 2003, 343, 129-133.	1.0	185
24	Brain Tumor Tropism of Transplanted Human Neural Stem Cells Is Induced by Vascular Endothelial Growth Factor. Neoplasia, 2005, 7, 623-630.	2.3	185
25	Proactive transplantation of human neural stem cells prevents degeneration of striatal neurons in a rat model of Huntington disease. Neurobiology of Disease, 2004, 16, 68-77.	2.1	164
26	Thrombin-Induced Microglial Activation Produces Degeneration of Nigral Dopaminergic NeuronsIn Vivo. Journal of Neuroscience, 2003, 23, 5877-5886.	1.7	157
27	Neural Stem Cell Tropism to Glioma: Critical Role of Tumor Hypoxia. Molecular Cancer Research, 2008, 6, 1819-1829.	1.5	156
28	Modulation of the Purinergic P2X7 Receptor Attenuates Lipopolysaccharide-Mediated Microglial Activation and Neuronal Damage in Inflamed Brain. Journal of Neuroscience, 2007, 27, 4957-4968.	1.7	154
29	Transient Receptor Potential Vanilloid Subtype 1 Mediates Cell Death of Mesencephalic Dopaminergic Neurons In Vivo and In Vitro. Journal of Neuroscience, 2005, 25, 662-671.	1.7	146
30	Transient Receptor Potential Vanilloid Subtype 1 Mediates Microglial Cell Death In Vivo and In Vitro via Ca2+-Mediated Mitochondrial Damage and Cytochrome c Release. Journal of Immunology, 2006, 177, 4322-4329.	0.4	146
31	Neural Stem Cell-Mediated Intratumoral Delivery of Gold Nanorods Improves Photothermal Therapy. ACS Nano, 2014, 8, 12450-12460.	7.3	139
32	Intravenous administration of human neural stem cells induces functional recovery in Huntington's disease rat model. Neuroscience Research, 2005, 52, 243-249.	1.0	136
33	Human neural stem cells genetically modified to overexpress brainâ€derived neurotrophic factor promote functional recovery and neuroprotection in a mouse stroke model. Journal of Neuroscience Research, 2010, 88, 3282-3294.	1.3	136
34	Neural stem cellâ€based treatment for neurodegenerative diseases. Neuropathology, 2013, 33, 491-504.	0.7	135
35	Silibinin Sensitizes Human Glioma Cells to TRAIL-Mediated Apoptosis via DR5 Up-regulation and Down-regulation of c-FLIP and Survivin. Cancer Research, 2007, 67, 8274-8284.	0.4	130
36	T-cell costimulatory molecules B7-1 (CD80) and B7-2 (CD86) are expressed in human microglia but not in astrocytes in culture. Brain Research, 1995, 704, 92-96.	1.1	128

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37	Roscovitine sensitizes glioma cells to TRAIL-mediated apoptosis by downregulation of survivin and XIAP. Oncogene, 2004, 23, 446-456.	2.6	128
38	PEX-Producing Human Neural Stem Cells Inhibit Tumor Growth in a Mouse Glioma Model. Clinical Cancer Research, 2005, 11, 5965-5970.	3.2	128
39	Tumor-Targeted Enzyme/Prodrug Therapy Mediates Long-term Disease-Free Survival of Mice Bearing Disseminated Neuroblastoma. Cancer Research, 2007, 67, 22-25.	0.4	127
40	Minocycline inhibits neuronal death and glial activation induced by ?-amyloid peptide in rat hippocampus. Glia, 2004, 48, 85-90.	2.5	125
41	Development of a Tumor-Selective Approach to Treat Metastatic Cancer. PLoS ONE, 2006, 1, e23.	1.1	111
42	Intravenously transplanted human neural stem cells migrate to the injured spinal cord in adult mice in an SDF-1- and HGF-dependent manner. Neuroscience Letters, 2007, 426, 69-74.	1.0	110
43	p38 MAP KINASE REGULATES TNF-Î± PRODUCTION IN HUMAN ASTROCYTES AND MICROGLIA BY MULTIPLE MECHANISMS. Cytokine, 2000, 12, 874-880.	1.4	109
44	Multilineage Potential of Stable Human Mesenchymal Stem Cell Line Derived from Fetal Marrow. PLoS ONE, 2007, 2, e1272.	1.1	108
45	Targeting Rat Brainstem Glioma Using Human Neural Stem Cells and Human Mesenchymal Stem Cells. Clinical Cancer Research, 2009, 15, 4925-4934.	3.2	108
46	Urokinase Plasminogen Activator and Urokinase Plasminogen Activator Receptor Mediate Human Stem Cell Tropism to Malignant Solid Tumors. Stem Cells, 2008, 26, 1406-1413.	1.4	106
47	Methylmercury Neurotoxicity in Cultures of Human Neurons, Astrocytes, Neuroblastoma Cells. NeuroToxicology, 2001, 22, 317-327.	1.4	105
48	Inhibition of thrombin-induced microglial activation and NADPH oxidase by minocycline protects dopaminergic neurons in the substantia nigra in vivo. Journal of Neurochemistry, 2005, 95, 1755-1765.	2.1	104
49	ORIGIN, DEVELOPMENT, AND NATURE OF INTRANUCLEAR RODLETS AND ASSOCIATED BODIES IN CHICKEN SYMPATHETIC NEURONS. Journal of Cell Biology, 1970, 44, 172-191.	2.3	102
50	Adenosine triphosphate induces proliferation of human neural stem cells: Role of calcium and p70 ribosomal protein S6 kinase. Journal of Neuroscience Research, 2003, 72, 352-362.	1.3	101
51	Neural Stem Cell Targeting of Glioma Is Dependent on Phosphoinositide 3-Kinase Signaling. Stem Cells, 2008, 26, 1575-1586.	1.4	101
52	Stem Cell-Based Cell Therapy for Spinal Cord Injury. Cell Transplantation, 2007, 16, 355-364.	1.2	99
53	Culture of purified rat astrocytes in serum-free medium supplemented with mitogen. Brain Research, 1983, 274, 79-86.	1.1	98
54	Human neural stem cells over-expressing choline acetyltransferase restore cognition in rat model of cognitive dysfunction. Experimental Neurology, 2012, 234, 521-526.	2.0	97

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55	Interleukin-15 gene expression in human astrocytes and microglia in culture. NeuroReport, 1996, 7, 1062-1066.	0.6	96
56	Endothelial STAT3 Activation Increases Vascular Leakage Through Downregulating Tight Junction Proteins: Implications for Diabetic Retinopathy. Journal of Cellular Physiology, 2017, 232, 1123-1134.	2.0	96
57	Human Microglia Transplanted in Rat Focal Ischemia Brain Induce Neuroprotection and Behavioral Improvement. PLoS ONE, 2010, 5, e11746.	1.1	95
58	Upregulation of Protease-Activated Receptor-1 in Astrocytes in Parkinson Disease: Astrocyte-Mediated Neuroprotection Through Increased Levels of Glutathione Peroxidase. Journal of Neuropathology and Experimental Neurology, 2006, 65, 66-77.	0.9	94
59	Human Neural Stem Cells Overexpressing Choline Acetyltransferase Restore Cognitive Function of Kainic Acid-Induced Learning and Memory Deficit Animals. Cell Transplantation, 2012, 21, 365-371.	1.2	94
60	Oligodendroglial cell death induced by oxygen radicals and its protection by catalase. Journal of Neuroscience Research, 1991, 29, 100-106.	1.3	93
61	Ex Vivo VEGF Delivery by Neural Stem Cells Enhances Proliferation of Glial Progenitors, Angiogenesis, and Tissue Sparing after Spinal Cord Injury. PLoS ONE, 2009, 4, e4987.	1.1	93
62	Neural progenitor NT2N cell lines from teratocarcinoma for transplantation therapy in stroke. Progress in Neurobiology, 2008, 85, 318-334.	2.8	92
63	Chromatin Regulator PRC2 Is a Key Regulator of Epigenetic Plasticity in Glioblastoma. Cancer Research, 2013, 73, 4559-4570.	0.4	91
64	Intranasal Delivery of Neural Stem/Progenitor Cells: A Noninvasive Passage to Target Intracerebral Glioma. Stem Cells Translational Medicine, 2012, 1, 866-873.	1.6	89
65	Improvement of cognitive function and physical activity of aging mice by human neural stem cells over-expressing choline acetyltransferase. Neurobiology of Aging, 2013, 34, 2639-2646.	1.5	89
66	Midkine that promotes survival of fetal human neurons is produced by fetal human astrocytes in culture. Developmental Brain Research, 1993, 75, 201-205.	2.1	88
67	Brain transplantation of human neural stem cells transduced with tyrosine hydroxylase and GTP cyclohydrolase 1 provides functional improvement in animal models of Parkinson disease. Neuropathology, 2006, 26, 129-140.	0.7	88
68	Neural Induction with Neurogenin1 Increases the Therapeutic Effects of Mesenchymal Stem Cells in the Ischemic Brain. Stem Cells, 2008, 26, 2217-2228.	1.4	88
69	Mesenchymal stem cell transplantation modulates neuroinflammation in focal cerebral ischemia: Contribution of fractalkine and IL-5. Neurobiology of Disease, 2011, 41, 717-724.	2.1	88
70	Magnetic Resonance Imaging Tracking of Ferumoxytol-Labeled Human Neural Stem Cells: Studies Leading to Clinical Use. Stem Cells Translational Medicine, 2013, 2, 766-775.	1.6	88
71	Long-term culture of human oligodendrocytes. Journal of the Neurological Sciences, 1983, 62, 295-301.	0.3	86
72	Phosphatidylinositol-3 Kinase/Akt and GSK-3 Mediated Cytoprotective Effect of Epigallocatechin Gallate on Oxidative Stress-Injured Neuronal-Differentiated N18D3 Cells. NeuroToxicology, 2004, 25, 793-802.	1.4	85

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73	Transplantation of human neural stem cells transduced with Olig2 transcription factor improves locomotor recovery and enhances myelination in the white matter of rat spinal cord following contusive injury. BMC Neuroscience, 2009, 10, 117.	0.8	85
74	Granulocyte colony-stimulating factor stimulates neurogenesis via vascular endothelial growth factor with STAT activation. Brain Research, 2006, 1073-1074, 190-201.	1.1	84
75	Human neural stem cells promote proliferation of endogenous neural stem cells and enhance angiogenesis in ischemic rat brain. Neural Regeneration Research, 2016, 11, 298.	1.6	84
76	Cisplatin-Induced Apoptotic Cell Death in Mouse Hybrid Neurons Is Blocked by Antioxidants Through Suppression of Cisplatin-Mediated Accumulation of p53 but Not of Fas/Fas Ligand. Journal of Neurochemistry, 2002, 75, 946-953.	2.1	82
77	IL-8 enhancement of amyloid-beta (AÎ²1-42)-induced expression and production of pro-inflammatory cytokines and COX-2 in cultured human microglia. Journal of Neuroimmunology, 2005, 159, 66-74.	1.1	82
78	Iron Labeling and Pre-Clinical MRI Visualization of Therapeutic Human Neural Stem Cells in a Murine Glioma Model. PLoS ONE, 2009, 4, e7218.	1.1	82
79	Antigen expression by glial cells grown in culture. Journal of Neuroimmunology, 1985, 8, 255-282.	1.1	81
80	Sonic hedgehog and FGF8 collaborate to induce dopaminergic phenotypes in the Nurr1-overexpressing neural stem cell. Biochemical and Biophysical Research Communications, 2003, 305, 1040-1048.	1.0	79
81	Combined treatment of vascular endothelial growth factor and human neural stem cells in experimental focal cerebral ischemia. Neuroscience Research, 2005, 53, 384-390.	1.0	79
82	A new double labelling immunofluorescence technique for the determination of proliferation of human astrocytes in culture. Journal of Neuroscience Methods, 1987, 21, 9-16.	1.3	78
83	Human Neural Stem Cells Genetically Modified to Express Human Nerve Growth Factor (NGF) Gene Restore Cognition in the Mouse with Ibotenic Acid-Induced Cognitive Dysfunction. Cell Transplantation, 2012, 21, 2487-2496.	1.2	78
84	Human Microglial Cells Synthesize Albumin in Brain. PLoS ONE, 2008, 3, e2829.	1.1	76
85	Human adipose tissueâ€derived mesenchymal stem cells improve cognitive function and physical activity in ageing mice. Journal of Neuroscience Research, 2013, 91, 660-670.	1.3	76
86	Human Neural Stem Cells Genetically Modified to Overexpress Akt1 Provide Neuroprotection and Functional Improvement in Mouse Stroke Model. PLoS ONE, 2009, 4, e5586.	1.1	76
87	Vascular endothelial growth factor-stimulated cerebral microvascular endothelial cells mediate the recruitment of neural stem cells to the neurovascular niche. Brain Research, 2009, 1268, 24-37.	1.1	75
88	Inhibition of lipopolysaccharide-induced cyclooxygenase-2, tumor necrosis factor-Î± and [Ca2+]i responses in human microglia by the peripheral benzodiazepine receptor ligand PK11195. Journal of Neurochemistry, 2002, 83, 546-555.	2.1	73
89	Microglial activation and cell death induced by the mitochondrial toxin 3-nitropropionic acid: in vitro and in vivo studies. Neurobiology of Disease, 2003, 12, 121-132.	2.1	73
90	Sodium butyrate sensitizes human glioma cells to TRAIL-mediated apoptosis through inhibition of Cdc2 and the subsequent downregulation of survivin and XIAP. Oncogene, 2005, 24, 6877-6889.	2.6	73

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91	ATP-induced in vivo neurotoxicity in the rat striatum via P2 receptors. NeuroReport, 2002, 13, 1611-1615.	0.6	72
92	Human Neural Stem Cell Tropism to Metastatic Breast Cancer. Stem Cells, 2012, 30, 314-325.	1.4	71
93	HSP72 induction by heat stress in human neurons and glial cells in culture. Brain Research, 1994, 653, 243-250.	1.1	70
94	Genetically engineered human neural stem cells for brain repair in neurological diseases. Brain and Development, 2007, 29, 193-201.	0.6	70
95	Growth factors for human glial cells in culture. Glia, 1988, 1, 113-123.	2.5	69
96	Co-expression of mRNA for Neurotrophic Factors in Human Neurons and Glial Cells in Culture. Journal of Neuropathology and Experimental Neurology, 1994, 53, 78-85.	0.9	69
97	Perturbations in calcium-mediated signal transduction in microglia from Alzheimer's disease patients. Journal of Neuroscience Research, 2005, 81, 426-435.	1.3	69
98	Production and Characterization of Immortal Human Neural Stem Cell Line with Multipotent Differentiation Property. Methods in Molecular Biology, 2008, 438, 103-121.	0.4	69
99	Insulin: is it a nerve survival factor. Brain Research, 1980, 196, 565-571.	1.1	67
100	Arsenic Trioxide Sensitizes Human Glioma Cells, but not Normal Astrocytes, to TRAIL-Induced Apoptosis via CCAAT/Enhancer-Binding Protein Homologous Proteinâ€“Dependent DR5 Up-regulation. Cancer Research, 2008, 68, 266-275.	0.4	67
101	Induction of Neuronal Death by Microglial AGE-Albumin: Implications for Alzheimerâ€™s Disease. PLoS ONE, 2012, 7, e37917.	1.1	66
102	Amyloid Î² peptide-induced corpus callosum damage and glial activation in vivo. NeuroReport, 2003, 14, 1429-1433.	0.6	65
103	Capsaicin sensitizes malignant glioma cells to TRAIL-mediated apoptosis via DR5 upregulation and survivin downregulation. Carcinogenesis, 2010, 31, 367-375.	1.3	65
104	Neural Stem Cells as a Novel Platform for Tumor-Specific Delivery of Therapeutic Antibodies. PLoS ONE, 2009, 4, e8314.	1.1	63
105	Combination of Multifaceted Strategies to Maximize the Therapeutic Benefits of Neural Stem Cell Transplantation for Spinal Cord Repair. Cell Transplantation, 2011, 20, 1361-1380.	1.2	63
106	Vasculogenesis in Experimental Stroke After Human Cerebral Endothelial Cell Transplantation. Stroke, 2013, 44, 3473-3481.	1.0	63
107	Role of Extracellular Signalâ€Regulated Protein Kinases 1 and 2 in Oligodendroglial Process Extension. Journal of Neurochemistry, 1997, 68, 945-953.	2.1	62
108	Human Neural Stem Cells Can Target and Deliver Therapeutic Genes to Breast Cancer Brain Metastases. Molecular Therapy, 2009, 17, 570-575.	3.7	62

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109	Mesenchymal Stem Cells Overexpressing Hepatocyte Growth Factor (HGF) Inhibit Collagen Deposit and Improve Bladder Function in Rat Model of Bladder Outlet Obstruction. Cell Transplantation, 2012, 21, 1641-1650.	1.2	61
110	Observations on cerebellar granule cells in tissue culture. Cell and Tissue Research, 1970, 107, 454-465.	1.5	60
111	Midkine, a novel neurotrophic factor, promotes survival of mesencephalic neurons in culture. Neuroscience Letters, 1993, 160, 9-12.	1.0	60
112	Growth factors for fetal and adult human astrocytes in culture. Brain Research, 1988, 444, 59-66.	1.1	59
113	Gold Nanoparticleâ€Loaded Neural Stem Cells for Photothermal Ablation of Cancer. Advanced Healthcare Materials, 2013, 2, 976-982.	3.9	59
114	Distribution and in situ proliferation patterns of intravenously injected immortalized human neural stem-like cells in rats with focal cerebral ischemia. Neuroscience Research, 2004, 50, 459-465.	1.0	58
115	Broad-Spectrum Effects of 4-Aminopyridine to Modulate Amyloid beta1-42-Induced Cell Signaling and Functional Responses in Human Microglia. Journal of Neuroscience, 2006, 26, 11652-11664.	1.7	58
116	Alzheimerâ€™s Disease and Stem Cell Therapy. Experimental Neurobiology, 2014, 23, 45-52.	0.7	58
117	Trisialoganglioside GT1b induces in vivo degeneration of nigral dopaminergic neurons: Role of microglia. Glia, 2002, 38, 15-23.	2.5	55
118	Transplantation of human neural stem cells protect against ischemia in a preventive mode via hypoxia-inducible factor-1Î± stabilization in the host brain. Brain Research, 2008, 1207, 182-192.	1.1	55
119	Human and Simian Glial Cells Infected by Human T-Lymphotropic Virus Type I in Culture. Journal of Neuropathology and Experimental Neurology, 1989, 48, 610-619.	0.9	54
120	Effective ex vivo expansion of hematopoietic stem cells using osteoblastâ€differentiated mesenchymal stem cells is CXCL12 dependent. European Journal of Haematology, 2010, 84, 538-546.	1.1	54
121	Neural Stem Cell-based Gene Therapy for Brain Tumors. Stem Cell Reviews and Reports, 2011, 7, 130-140.	5.6	54
122	Multifocal CNS demyelination following peripheral inoculation with herpes simplex virus type 1. Annals of Neurology, 1987, 22, 52-59.	2.8	53
123	Gene Expression Profiling of Human Neural Progenitor Cells Following the Serum-Induced Astrocyte Differentiation. Cellular and Molecular Neurobiology, 2009, 29, 423-438.	1.7	53
124	Effects of human neural stem cell transplantation in canine spinal cord hemisection. Neurological Research, 2009, 31, 996-1002.	0.6	52
125	Implantation of polymer scaffolds seeded with neural stem cells in a canine spinal cord injury model. Cytotherapy, 2010, 12, 841-845.	0.3	52
126	Transplantation of human sympathetic neurons and adrenal chromaffin cells into parkinsonian monkeys: no reversal of clinical symptoms. Journal of the Neurological Sciences, 1989, 94, 51-67.	0.3	51

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127	Blockade of quinolinic acid-induced neurotoxicity by pyruvate is associated with inhibition of glial activation in a model of Huntington's disease. Experimental Neurology, 2004, 187, 150-159.	2.0	51
128	Intravascular administration of tumor tropic neural progenitor cells permits targeted delivery of interferon-Î² and restricts tumor growth in a murine model of disseminated neuroblastoma. Journal of Pediatric Surgery, 2007, 42, 48-53.	0.8	51
129	Conjugation of pH-responsive nanoparticles to neural stem cells improves intratumoral therapy. Journal of Controlled Release, 2014, 191, 82-89.	4.8	51
130	Transplantation of Human Adipose Tissue-Derived Stem Cells Delays Clinical Onset and Prolongs Life Span in ALS Mouse Model. Cell Transplantation, 2014, 23, 1585-1597.	1.2	51
131	Lysophosphatidylcholine induces glial cell activation: Role of rho kinase. Glia, 2009, 57, 898-907.	2.5	50
132	MRI tracking of intravenously transplanted human neural stem cells in rat focal ischemia model. Neuroscience Research, 2009, 64, 235-239.	1.0	50
133	Monitoring in vitro neural stem cell differentiation based on surface-enhanced Raman spectroscopy using a gold nanostar array. Journal of Materials Chemistry C, 2015, 3, 3848-3859.	2.7	50
134	Stem cellâ€based cell therapy for Huntington disease: A review. Neuropathology, 2008, 28, 1-9.	0.7	49
135	Bcl-2 blocks cisplatin-induced apoptosis by suppression of ERK-mediated p53 accumulation in B104 cells. Molecular Brain Research, 2001, 93, 18-26.	2.5	48
136	Noninvasive method of immortalized neural stem-like cell transplantation in an experimental model of Huntington's disease. Journal of Neuroscience Methods, 2006, 152, 250-254.	1.3	48
137	Cultured human and rat oligodendrocytes and rat schwann cells do not have immune response gene associated antigen (Ia) on their surface. Brain Research, 1983, 289, 285-292.	1.1	47
138	Using a Neodymium Magnet to Target Delivery of Ferumoxide-Labeled Human Neural Stem Cells in a Rat Model of Focal Cerebral Ischemia. Human Gene Therapy, 2010, 21, 603-610.	1.4	47
139	Therapeutic Effect of BDNF-Overexpressing Human Neural Stem Cells (HB1.F3.BDNF) in a Rodent Model of Middle Cerebral Artery Occlusion. Cell Transplantation, 2013, 22, 1441-1452.	1.2	47
140	Neuronal cell death induced by cystatin C in vivo and in cultured human CNS neurons is inhibited with cathepsin B. Brain Research, 2005, 1066, 120-128.	1.1	46
141	Tissue culture of adult human neurons. Neuroscience Letters, 1979, 11, 137-141.	1.0	45
142	DEMONSTRATION IN TISSUE CULTURE OF MYELINOTOXICITY IN CEREBROSPINAL FLUID AND BRAIN EXTRACTS FROM MULTIPLE SCLEROSIS PATIENTS. Journal of Neuropathology and Experimental Neurology, 1970, 29, 420-431.	0.9	44
143	Expression of Ia antigens on the surface of human oligodendrocytes and astrocytes in culture. Journal of Neuroimmunology, 1985, 10, 141-149.	1.1	44
144	Immortalized human microglial cell line: Phenotypic expression. Journal of Neuroscience Research, 2005, 81, 342-348.	1.3	43

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145	Human neural crest stem cells transplanted in rat penile corpus cavernosum to repair erectile dysfunction. BJU International, 2008, 102, 220-224.	1.3	43
146	Soluble mediators from human neural stem cells play a critical role in suppression of Tâ€cell activation and proliferation. Journal of Neuroscience Research, 2009, 87, 2264-2272.	1.3	43
147	Genetically engineered human neural stem cells with rabbit carboxyl esterase can target brain metastasis from breast cancer. Cancer Letters, 2011, 311, 152-159.	3.2	43
148	Axolemma is a mitogen for human Schwann cells. Annals of Neurology, 1984, 15, 449-452.	2.8	42
149	Expression of complement C4 and C9 genes by human astrocytes. Brain Research, 1998, 809, 31-38.	1.1	42
150	Overexpression of Bclâ€X_L in human neural stem cells promotes graft survival and functional recovery following transplantation in spinal cord injury. Journal of Neuroscience Research, 2009, 87, 3186-3197.	1.3	41
151	Inhibition of Collagen Deposit in Obstructed Rat Bladder Outlet by Transplantation of Superparamagnetic Iron Oxide-Labeled Human Mesenchymal Stem Cells as Monitored by Molecular Magnetic Resonance Imaging (MRI). Cell Transplantation, 2012, 21, 959-970.	1.2	41
152	Electron microscope study of mouse cerebellum in tissue culture. Experimental Neurology, 1971, 33, 30-44.	2.0	40
153	SIRT1 is required for oncogenic transformation of neural stem cells and for the survival of â€œcancer cells with neural stemnessâ€•in a p53-dependent manner. Neuro-Oncology, 2015, 17, 95-106.	0.6	40
154	Phospholipase C isozymes in neurons and glial cells in culture: an immunocytochemical and immunochemical study. Brain Research, 1991, 548, 35-40.	1.1	39
155	Protein kinase C and mitogen-activated protein kinase signalling in oligodendrocytes. Microscopy Research and Technique, 2001, 52, 680-688.	1.2	39
156	Regulation of human tyrosine hydroxylase gene by neuron-restrictive silencer factor. Biochemical and Biophysical Research Communications, 2006, 346, 426-435.	1.0	39
157	Rottlerin sensitizes glioma cells to TRAIL-induced apoptosis by inhibition of Cdc2 and the subsequent downregulation of survivin and XIAP. Oncogene, 2005, 24, 838-849.	2.6	38
158	Paxilline enhances TRAIL-mediated apoptosis of glioma cellsviamodulation of c-FLIP, survivin and DR5. Experimental and Molecular Medicine, 2011, 43, 24.	3.2	38
159	The free-radical scavenger edaravone restores the differentiation of human neural precursor cells after radiation-induced oxidative stress. Neuroscience Letters, 2007, 423, 225-230.	1.0	37
160	Involvement of cystatin C in pathophysiology of CNS diseases. Frontiers in Bioscience - Landmark, 2008, Volume, 3470.	3.0	37
161	Stem cells with fused gene expression of cytosine deaminase and interferon-Î² migrate to human gastric cancer cells and result in synergistic growth inhibition for potential therapeutic use. International Journal of Oncology, 2012, 40, 1097-1104.	1.4	37
162	Myelin basic protein causes proliferation of lymphocytes and astrocytes in vitro. Brain Research, 1977, 132, 580-584.	1.1	36

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163	Differential distribution of cellular forms of Î²-amyloid precursor protein in murine glial cell cultures. Brain Research, 1992, 584, 219-225.	1.1	36
164	Novel Isoforms of Mouse Myelin Basic Protein Predominantly Expressed in Embryonic Stage. Journal of Neurochemistry, 1993, 60, 1554-1563.	2.1	36
165	Production of Immortalized Human Neural Crest Stem Cells. , 2002, 198, 055-066.		36
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