

Sung-Rae Cho

List of Publications by Year in Descending Order

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

109
papers

1,927
citations

22
h-index

39
g-index

121
ext. papers

2,396
ext. citations

5.1
avg, IF

4.8
L-index

#	Paper	IF	Citations
109	Environmental Enrichment and Estrogen Upregulate Beta-Hydroxybutyrate Underlying Functional Improvement.. <i>Frontiers in Molecular Neuroscience</i> , 2022 , 15, 869799	6.1	0
108	Therapeutic Singing as a Swallowing Intervention in Head and Neck Cancer Patients With Dysphagia.. <i>Integrative Cancer Therapies</i> , 2021 , 20, 15347354211065040	3	0
107	Environmental Enrichment Enhances Ca ²⁺ Channel-Mediated Presynaptic Plasticity in Hypoxic-Ischemic Encephalopathy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
106	Swallowing Outcomes Following Voice Therapy in Multiple System Atrophy with Dysphagia: Comparison of Treatment Efficacy with Parkinson's Disease. <i>Dysphagia</i> , 2021 , 1	3.7	1
105	Short-term and Long-term Efficacy of Oropharyngolaryngeal Strengthening Training on Voice Using a Mobile Healthcare Application in Elderly Women. <i>Communication Sciences and Disorders</i> , 2021 , 26, 219-230	9.6	0
104	Reduced Interaction of Aggregated α -Synuclein and VAMP2 by Environmental Enrichment Alleviates Hyperactivity and Anxiety in a Model of Parkinson's Disease. <i>Genes</i> , 2021 , 12,	4.2	1
103	Reconstruction of Muscle Fascicle-Like Tissues by Anisotropic 3D Patterning. <i>Advanced Functional Materials</i> , 2021 , 31, 2006227	15.6	10
102	3'-Sialyllactose Protects SW1353 Chondrocytic Cells From Interleukin-1 β -Induced Oxidative Stress and Inflammation. <i>Frontiers in Pharmacology</i> , 2021 , 12, 609817	5.6	2
101	Expression of Reprogramming Factor OCT4 Ameliorates Myelination Deficits and Induces Striatal Neuroprotection in Huntington's Disease. <i>Genes</i> , 2021 , 12,	4.2	1
100	Collagen-binding peptide reverses bone loss in a mouse model of cerebral palsy based on clinical databases. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021 , 64, 101445	3.8	0
99	In vivo gene editing via homology-independent targeted integration for adrenoleukodystrophy treatment. <i>Molecular Therapy</i> , 2021 ,	11.7	1
98	Does Etiology Matter? Comparative Analysis of a Singing-Enhanced Swallowing Protocol for Patients with Neurological Impairment versus Head and Neck Cancer. <i>Brain Sciences</i> , 2021 , 11,	3.4	1
97	Recording of elapsed time and temporal information about biological events using Cas9. <i>Cell</i> , 2021 , 184, 1047-1063.e23	56.2	12
96	Application of prime editing to the correction of mutations and phenotypes in adult mice with liver and eye diseases. <i>Nature Biomedical Engineering</i> , 2021 ,	19	18
95	Generation of a more efficient prime editor 2 by addition of the Rad51 DNA-binding domain. <i>Nature Communications</i> , 2021 , 12, 5617	17.4	10
94	Factors Affecting Postoperative Complications and Outcomes of Cervical Spondylotic Myelopathy with Cerebral Palsy : A Retrospective Analysis. <i>Journal of Korean Neurosurgical Society</i> , 2021 , 64, 808-817	2.3	0
93	Generation of a human induced pluripotent stem cell line, YCMi002-A, from a Factor VII deficiency patient carrying F7 mutations. <i>Stem Cell Research</i> , 2020 , 49, 102026	1.6	0

92	Gait training for adults with cerebral palsy following harmonic modification in rhythmic auditory stimulation. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1473, 11-19	6.5	7
91	Prediction of the sequence-specific cleavage activity of Cas9 variants. <i>Nature Biotechnology</i> , 2020 , 38, 1328-1336	44.5	57
90	Purification of an Intact Human Protein Overexpressed from Its Endogenous Locus Direct Genome Engineering. <i>ACS Synthetic Biology</i> , 2020 , 9, 1591-1598	5.7	1
89	CRISPR-mediated gene correction links the ATP7A M1311V mutations with amyotrophic lateral sclerosis pathogenesis in one individual. <i>Communications Biology</i> , 2020 , 3, 33	6.7	5
88	Factors affecting cognition and emotion in patients with traumatic brain injury. <i>NeuroRehabilitation</i> , 2020 , 46, 369-379	2	5
87	Acoustic and Auditory-Perceptual Characteristics of Korean Stop Consonants in Patients with Idiopathic Parkinson Disease and Cerebellar-Multiple System Atrophy. <i>Communication Sciences and Disorders</i> , 2020 , 25, 954-965	0.6	
86	Environmental Enrichment Attenuates Oxidative Stress and Alters Detoxifying Enzymes in an A53T β Synuclein Transgenic Mouse Model of Parkinson's Disease. <i>Antioxidants</i> , 2020 , 9,	7.1	2
85	Universal Correction of Blood Coagulation Factor VIII in Patient-Derived Induced Pluripotent Stem Cells Using CRISPR/Cas9. <i>Stem Cell Reports</i> , 2019 , 12, 1242-1249	8	14
84	Optogenetic stimulation promotes Schwann cell proliferation, differentiation, and myelination in vitro. <i>Scientific Reports</i> , 2019 , 9, 3487	4.9	11
83	Intrathecal Baclofen Pump Versus Globus Pallidus Interna Deep Brain Stimulation in Adult Patients with Severe Cerebral Palsy. <i>World Neurosurgery</i> , 2019 , 126, e550-e556	2.1	6
82	Cell Surface Antigen Display for Neuronal Differentiation-Specific Tracking. <i>Biomolecules and Therapeutics</i> , 2019 , 27, 78-84	4.2	2
81	Outcomes of Intrathecal Baclofen Therapy Compared With Deep Brain Stimulation in a Patient With Dystonic Cerebral Palsy: A Case Report. <i>Annals of Rehabilitation Medicine</i> , 2019 , 43, 335-340	1.7	1
80	Parasympathetic Effect Induces Cell Cycle Activation in Upper Limbs of Paraplegic Patients with Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
79	The Schwann Cell as an Active Synaptic Partner. <i>ChemPhysChem</i> , 2018 , 19, 1123-1127	3.2	5
78	Anti-inflammatory Effect of DNA Polymeric Molecules in a Cell Model of Osteoarthritis. <i>Inflammation</i> , 2018 , 41, 677-688	5.1	8
77	An Enriched Environment Ameliorates Oxidative Stress and Olfactory Dysfunction in Parkinson's Disease with β Synucleinopathy. <i>Cell Transplantation</i> , 2018 , 27, 831-839	4	10
76	The Effect of Environmental Enrichment on Glutathione-Mediated Xenobiotic Metabolism and Antioxidation in Normal Adult Mice. <i>Frontiers in Neurology</i> , 2018 , 9, 425	4.1	3
75	The Differential Effects of Repetitive Magnetic Stimulation in an Neuronal Model of Ischemia/Reperfusion Injury. <i>Frontiers in Neurology</i> , 2018 , 9, 50	4.1	19

74	High-Frequency Repetitive Magnetic Stimulation Enhances the Expression of Brain-Derived Neurotrophic Factor Through Activation of Ca-Calmodulin-Dependent Protein Kinase II-cAMP-Response Element-Binding Protein Pathway. <i>Frontiers in Neurology</i> , 2018 , 9, 285	4.1	13
73	Three-dimensional brain-like microenvironments facilitate the direct reprogramming of fibroblasts into therapeutic neurons. <i>Nature Biomedical Engineering</i> , 2018 , 2, 522-539	19	61
72	Effects of Early Exercise Rehabilitation on Functional Recovery in Patients with Severe Sepsis. <i>Yonsei Medical Journal</i> , 2018 , 59, 843-851	3	8
71	Development of Short-Form of the Speech Handicap Index and Its Application to Tongue Cancer Patients. <i>Communication Sciences and Disorders</i> , 2018 , 23, 218-227	0.6	2
70	Application of the Speech Handicap Index on Patients with Parkinson's Disease. <i>Communication Sciences and Disorders</i> , 2018 , 23, 160-168	0.6	1
69	Relationship Between Swallowing Function and Maximum Phonation Time in Patients With Parkinsonism. <i>Annals of Rehabilitation Medicine</i> , 2018 , 42, 425-432	1.7	17
68	Effect of Polydeoxyribonucleotide on Angiogenesis and Wound Healing in an Model of Osteoarthritis. <i>Cell Transplantation</i> , 2018 , 27, 1623-1633	4	13
67	Environmental Enrichment Upregulates Striatal Synaptic Vesicle-Associated Proteins and Improves Motor Function. <i>Frontiers in Neurology</i> , 2018 , 9, 465	4.1	4
66	Elucidation of Gene Expression Patterns in the Brain after Spinal Cord Injury. <i>Cell Transplantation</i> , 2017 , 26, 1286-1300	4	19
65	Outcomes of intrathecal baclofen therapy in patients with cerebral palsy and acquired brain injury. <i>Medicine (United States)</i> , 2017 , 96, e7472	1.8	16
64	Analysis of structure-function network decoupling in the brain systems of spastic diplegic cerebral palsy. <i>Human Brain Mapping</i> , 2017 , 38, 5292-5306	5.9	20
63	Patients with non-ambulatory cerebral palsy have higher sclerostin levels and lower bone mineral density than patients with ambulatory cerebral palsy. <i>Bone</i> , 2017 , 103, 302-307	4.7	16
62	Effects of pain Scrambler therapy for management of burn scar pruritus: A pilot study. <i>Burns</i> , 2017 , 43, 514-519	2.3	6
61	Neurobehavioral Assessments in a Mouse Model of Neonatal Hypoxic-ischemic Brain Injury. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	5
60	Age-Related Changes in Bimanual Instrument Playing with Rhythmic Cueing. <i>Frontiers in Psychology</i> , 2017 , 8, 1569	3.4	7
59	The Applicability of Rhythm-Motor Tasks to a New Dual Task Paradigm for Older Adults. <i>Frontiers in Neurology</i> , 2017 , 8, 671	4.1	7
58	Numerical Processing and Calculation Deficits in Alzheimer's Disease. <i>Communication Sciences and Disorders</i> , 2017 , 22, 138-145	0.6	1
57	Word Lexicality- and Regularity-Dependent Alexia in Alzheimer's Disease. <i>Communication Sciences and Disorders</i> , 2017 , 22, 129-137	0.6	3

56	In Situ Pluripotency Factor Expression Promotes Functional Recovery From Cerebral Ischemia. <i>Molecular Therapy</i> , 2016 , 24, 1538-49	11.7	7
55	Effect of extracorporeal shock wave therapy on scar pain in burn patients: A prospective, randomized, single-blind, placebo-controlled study. <i>Medicine (United States)</i> , 2016 , 95, e4575	1.8	19
54	Elucidation of Relevant Neuroinflammation Mechanisms Using Gene Expression Profiling in Patients with Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2016 , 11, e0165290	3.7	14
53	The Modulation of Neurotrophin and Epigenetic Regulators: Implication for Astrocyte Proliferation and Neuronal Cell Apoptosis After Spinal Cord Injury. <i>Annals of Rehabilitation Medicine</i> , 2016 , 40, 559-67	1.7	11
52	Expression of Reprogramming Factors Increases Hippocampal Neurogenesis and Synaptic Plasticity in Chronic Hypoxic-Ischemic Brain Injury. <i>Neural Plasticity</i> , 2016 , 2016, 2580837	3.3	9
51	Clinical and Pathological Heterogeneity of Korean Patients with CAPN3 Mutations. <i>Yonsei Medical Journal</i> , 2016 , 57, 173-9	3	4
50	Brain Plasticity and Neurorestoration by Environmental Enrichment. <i>Brain & Neurorehabilitation</i> , 2016 , 9,	0.8	5
49	Astroglial Activation by an Enriched Environment after Transplantation of Mesenchymal Stem Cells Enhances Angiogenesis after Hypoxic-Ischemic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	23
48	Exploring Erythropoietin and G-CSF Combination Therapy in Chronic Stroke Patients. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 463	6.3	16
47	Differential Expression of Extracellular Matrix and Adhesion Molecules in Fetal-Origin Amniotic Epithelial Cells of Preeclamptic Pregnancy. <i>PLoS ONE</i> , 2016 , 11, e0156038	3.7	19
46	Induction of Neurorestoration From Endogenous Stem Cells. <i>Cell Transplantation</i> , 2016 , 25, 863-82	4	17
45	Changes in gait patterns induced by rhythmic auditory stimulation for adolescents with acquired brain injury. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1385, 53-62	6.5	11
44	Environmental enrichment enhances synaptic plasticity by internalization of striatal dopamine transporters. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 2122-2133	7.3	23
43	Clinical Outcomes of Correcting Cervical Deformity in Cerebral Palsy Patients. <i>World Neurosurgery</i> , 2016 , 96, 500-509	2.1	2
42	Recapitulation of inVivo-like paracrine signals of human mesenchymal stem cells for functional neuronal differentiation of human neural stem cells in a 3D microfluidic system. <i>Biomaterials</i> , 2015 , 63, 177-88	15.6	56
41	Effects of low- and high-frequency repetitive magnetic stimulation on neuronal cell proliferation and growth factor expression: A preliminary report. <i>Neuroscience Letters</i> , 2015 , 604, 167-72	3.3	10
40	Adults with spastic cerebral palsy have lower bone mass than those with dyskinetic cerebral palsy. <i>Bone</i> , 2015 , 71, 89-93	4.7	18
39	Dose-dependent Changes in Gait Pattern after Intrathecal Baclofen Bolus Injection in Adult Ambulatory Cerebral Palsy: A Case Report. <i>Brain & Neurorehabilitation</i> , 2015 , 8, 104	0.8	

38	Effect of Rhythmic Auditory Stimulation on Hemiplegic Gait Patterns. <i>Yonsei Medical Journal</i> , 2015 , 56, 1703-13	3	22
37	The effect of treadmill exercise on gait efficiency during overground walking in adults with cerebral palsy. <i>Annals of Rehabilitation Medicine</i> , 2015 , 39, 25-31	1.7	10
36	Changes in hyolaryngeal movement and swallowing function after neuromuscular electrical stimulation in patients with Dysphagia. <i>Annals of Rehabilitation Medicine</i> , 2015 , 39, 199-209	1.7	21
35	Time-dependent effect of combination therapy with erythropoietin and granulocyte colony-stimulating factor in a mouse model of hypoxic-ischemic brain injury. <i>Neuroscience Bulletin</i> , 2014 , 30, 107-17	4.3	9
34	GABAergic neuronal differentiation induced by brain-derived neurotrophic factor in human mesenchymal stem cells. <i>Animal Cells and Systems</i> , 2014 , 18, 17-24	2.3	5
33	PSA-NCAM(+) neural precursor cells from human embryonic stem cells promote neural tissue integrity and behavioral performance in a rat stroke model. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 761-71	6.4	19
32	Targeted inversion and reversion of the blood coagulation factor 8 gene in human iPS cells using TALENs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9253-8	11.5	113
31	Hand rehabilitation using MIDI keyboard playing in adolescents with brain damage: a preliminary study. <i>NeuroRehabilitation</i> , 2014 , 34, 147-55	2	6
30	Short-term effects of erythropoietin on neurodevelopment in infants with cerebral palsy: a pilot study. <i>Brain and Development</i> , 2014 , 36, 764-9	2.2	14
29	Two-year outcomes of deep brain stimulation in adults with cerebral palsy. <i>Annals of Rehabilitation Medicine</i> , 2014 , 38, 209-17	1.7	22
28	Utterance-Level Word Class Characteristics in Normal Elderly Women. <i>Communication Sciences and Disorders</i> , 2014 , 19, 265-273	0.6	
27	Alteration of synaptic activity-regulating genes underlying functional improvement by long-term exposure to an enriched environment in the adult brain. <i>Neurorehabilitation and Neural Repair</i> , 2013 , 27, 561-74	4.7	38
26	Therapeutic effects of repetitive transcranial magnetic stimulation in an animal model of Parkinson's disease. <i>Brain Research</i> , 2013 , 1537, 290-302	3.7	31
25	Acoustic characteristics of vowel sounds in patients with Parkinson disease. <i>NeuroRehabilitation</i> , 2013 , 32, 649-54	2	35
24	Finger exercise with keyboard playing in adults with cerebral palsy: A preliminary study. <i>Journal of Exercise Rehabilitation</i> , 2013 , 9, 420-5	1.8	19
23	Environmental enrichment synergistically improves functional recovery by transplanted adipose stem cells in chronic hypoxic-ischemic brain injury. <i>Cell Transplantation</i> , 2013 , 22, 1553-68	4	16
22	Balance and Coordination Training for Brain Disorders. <i>Brain & Neurorehabilitation</i> , 2013 , 6, 68	0.8	
21	A Validation Study of the Korean Version of the Swallowing-Quality of Life Scale. <i>Communication Sciences and Disorders</i> , 2013 , 18, 341-347	0.6	7

20	Fibroblast growth factor-2 induced by enriched environment enhances angiogenesis and motor function in chronic hypoxic-ischemic brain injury. <i>PLoS ONE</i> , 2013 , 8, e74405	3.7	40
19	Epigenetic regulation in the brain after spinal cord injury : a comparative study. <i>Journal of Korean Neurosurgical Society</i> , 2013 , 53, 337-41	2.3	2
18	The effect of bilateral globus pallidus internus deep brain stimulation plus ventralis oralis thalamotomy on patients with cerebral palsy. <i>Stereotactic and Functional Neurosurgery</i> , 2012 , 90, 292-9	1.6	9
17	Differential effects of rhythmic auditory stimulation and neurodevelopmental treatment/Bobath on gait patterns in adults with cerebral palsy: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2012 , 26, 904-14	3.3	41
16	Highly pure and expandable PSA-NCAM-positive neural precursors from human ESC and iPSC-derived neural rosettes. <i>PLoS ONE</i> , 2012 , 7, e39715	3.7	51
15	Neurorestoration induced by mesenchymal stem cells: potential therapeutic mechanisms for clinical trials. <i>Yonsei Medical Journal</i> , 2012 , 53, 1059-67	3	33
14	Factors affecting bone mineral density in adults with cerebral palsy. <i>Annals of Rehabilitation Medicine</i> , 2012 , 36, 770-5	1.7	10
13	Surrogate reporters for enrichment of cells with nuclease-induced mutations. <i>Nature Methods</i> , 2011 , 8, 941-3	21.6	164
12	Early Immunomodulation by Intravenously Transplanted Mesenchymal Stem Cells Promotes Functional Recovery in Spinal Cord Injured Rats. <i>Cell Medicine</i> , 2011 , 2, 55-67	4.9	15
11	Changes in gait patterns with rhythmic auditory stimulation in adults with cerebral palsy. <i>NeuroRehabilitation</i> , 2011 , 29, 233-41	2	27
10	Effects of constraint-induced movement therapy on neurogenesis and functional recovery after early hypoxic-ischemic injury in mice. <i>Developmental Medicine and Child Neurology</i> , 2011 , 53, 327-33	3.3	19
9	Motor pathway injury in patients with periventricular leucomalacia and spastic diplegia. <i>Brain</i> , 2011 , 134, 1199-210	11.2	95
8	Combined therapy of orthopedic surgery after deep brain stimulation in cerebral palsy mixed type - a case report -. <i>Annals of Rehabilitation Medicine</i> , 2011 , 35, 742-6	1.7	3
7	Functional recovery after the transplantation of neurally differentiated mesenchymal stem cells derived from bone marrow in a rat model of spinal cord injury. <i>Cell Transplantation</i> , 2009 , 18, 1359-68	4	61
6	Neurally induced umbilical cord blood cells modestly repair injured spinal cords. <i>NeuroReport</i> , 2008 , 19, 1259-63	1.7	31
5	Induction of neostriatal neurogenesis slows disease progression in a transgenic murine model of Huntington disease. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2889-902	15.9	109
4	Characteristics of psychosexual functioning in adults with cerebral palsy. <i>Clinical Rehabilitation</i> , 2004 , 18, 423-9	3.3	20
3	Colonic transit time and constipation in children with spastic cerebral palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004 , 85, 453-6	2.8	38

2	The characteristics of sit-to-stand transfer in young children with spastic cerebral palsy based on kinematic and kinetic data. <i>Gait and Posture</i> , 2003 , 17, 43-9	2.6	54
1	Prime editing enables precise genome editing in mouse liver and retina		5