

Jung Keun Hyun

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,669
citations

218677

26
h-index

189892

50
g-index

78
all docs

78
docs citations

78
times ranked

4612
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Recognition of Amputated Wrist and Hand Movements by Deep Learning Method Using Multimodal Fusion of Electromyography and Electroencephalography. <i>Sensors</i> , 2022, 22, 680.	3.8	12
2	Self-assembling peptide gels promote angiogenesis and functional recovery after spinal cord injury in rats. <i>Journal of Tissue Engineering</i> , 2022, 13, 204173142210864.	5.5	15
3	Prediction of Poststroke Depression Based on the Outcomes of Machine Learning Algorithms. <i>Journal of Clinical Medicine</i> , 2022, 11, 2264.	2.4	9
4	The Time Sequence of Gene Expression Changes after Spinal Cord Injury. <i>Cells</i> , 2022, 11, 2236.	4.1	2
5	Effectiveness of Chin Tuck on Laryngeal Penetration: Quantitative Assessment. <i>Dysphagia</i> , 2021, 36, 1054-1062.	1.8	7
6	Exercise Ameliorates Spinal Cord Injury by Changing DNA Methylation. <i>Cells</i> , 2021, 10, 143.	4.1	14
7	Predictors of Aspiration Pneumonia in the Elderly With Swallowing Dysfunction: Videofluoroscopic Swallowing Study. <i>Annals of Rehabilitation Medicine</i> , 2021, 45, 99-107.	1.6	7
8	Prediction of Diabetic Sensorimotor Polyneuropathy Using Machine Learning Techniques. <i>Journal of Clinical Medicine</i> , 2021, 10, 4576.	2.4	9
9	Decellularized brain matrix enhances macrophage polarization and functional improvements in rat spinal cord injury. <i>Acta Biomaterialia</i> , 2020, 101, 357-371.	8.3	64
10	Ascorbic Acid Promotes Functional Restoration after Spinal Cord Injury Partly by Epigenetic Modulation. <i>Cells</i> , 2020, 9, 1310.	4.1	11
11	Post-stroke Aphasia as a Prognostic Factor for Cognitive and Functional Changes in Patients With Stroke: Ischemic Versus Hemorrhagic. <i>Annals of Rehabilitation Medicine</i> , 2020, 44, 171-180.	1.6	10
12	Fusion of Reprogramming Factors Alters the Trajectory of Somatic Lineage Conversion. <i>Cell Reports</i> , 2019, 27, 30-39.e4.	6.4	23
13	Repetitive Transcranial Magnetic Stimulation Enhances Recovery in Central Cord Syndrome Patients. <i>Annals of Rehabilitation Medicine</i> , 2019, 43, 62-73.	1.6	5
14	Inhibition of BET selectively eliminates undifferentiated pluripotent stem cells. <i>Science Bulletin</i> , 2018, 63, 477-487.	9.0	4
15	Influence of Hip Fracture on Knee Pain During Postoperative Rehabilitation. <i>Annals of Rehabilitation Medicine</i> , 2018, 42, 682-689.	1.6	5
16	Botulinum Toxin Injection in the Treatment of Postextubation Dysphagia: A Case Report. <i>Annals of Rehabilitation Medicine</i> , 2018, 42, 358.	1.6	4
17	Nano-shape varied cerium oxide nanomaterials rescue human dental stem cells from oxidative insult through intracellular or extracellular actions. <i>Acta Biomaterialia</i> , 2017, 50, 142-153.	8.3	58
18	Multimodal sensor-based weight drop spinal cord impact system for large animals. <i>Spine Journal</i> , 2017, 17, 1947-1955.	1.3	2

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19	Functional Recovery of Contused Spinal Cord in Rat with the Injection of Optimal-Dosed Cerium Oxide Nanoparticles. <i>Advanced Science</i> , 2017, 4, 1700034.	11.2	99
20	Weight drop impact system and its output signal analysis for inducing large animal spinal cord injury model. , 2017, 2017, 1142-1145.		0
21	Effects of Early Cranioplasty on the Restoration of Cognitive and Functional Impairments. <i>Annals of Rehabilitation Medicine</i> , 2017, 41, 354.	1.6	23
22	Graphene Oxide-Incorporated PLGA-Collagen Fibrous Matrices as Biomimetic Scaffolds for Vascular Smooth Muscle Cells. <i>Science of Advanced Materials</i> , 2017, 9, 232-237.	0.7	13
23	Effect of Laryngopharyngeal Neuromuscular Electrical Stimulation on Dysphonia Accompanied by Dysphagia in Post-stroke and Traumatic Brain Injury Patients: A Pilot Study. <i>Annals of Rehabilitation Medicine</i> , 2016, 40, 600.	1.6	15
24	Characterization of Neurogenic Potential of Dental Pulp Stem Cells Cultured in Xeno/Serum-Free Condition: <i>In Vitro</i> and <i>In Vivo</i> Assessment. <i>Stem Cells International</i> , 2016, 2016, 1-12.	2.5	25
25	Nanotherapeutics of PTEN Inhibitor with Mesoporous Silica Nanocarrier Effective for Axonal Outgrowth of Adult Neurons. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18741-18753.	8.0	21
26	Generation of Integration-free Induced Neural Stem Cells from Mouse Fibroblasts. <i>Journal of Biological Chemistry</i> , 2016, 291, 14199-14212.	3.4	24
27	Factors Associated With Upper Extremity Functional Recovery Following Low-Frequency Repetitive Transcranial Magnetic Stimulation in Stroke Patients. <i>Annals of Rehabilitation Medicine</i> , 2016, 40, 373.	1.6	12
28	Stimulating effect of graphene oxide on myogenesis of C2C12 myoblasts on RGD peptide-decorated PLGA nanofiber matrices. <i>Journal of Biological Engineering</i> , 2015, 9, 22.	4.7	64
29	The Prediction of Clinical Outcome Using HbA1c in Acute Ischemic Stroke of the Deep Branch of Middle Cerebral Artery. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 1011.	1.6	5
30	Diagnosis of Spasmodic Dysphonia Manifested by Swallowing Difficulty in Videofluoroscopic Swallowing Study. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 313.	1.6	5
31	Carbon-nanotube-interfaced glass fiber scaffold for regeneration of transected sciatic nerve. <i>Acta Biomaterialia</i> , 2015, 13, 324-334.	8.3	99
32	Phosphate glass fibres promote neurite outgrowth and early regeneration in a peripheral nerve injury model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 236-246.	2.7	45
33	Graphene oxide-stimulated myogenic differentiation of C2C12 cells on PLGA/RGD peptide nanofiber matrices. , 2015, , .		1
34	Letter. <i>Spine</i> , 2015, 40, 585.	2.0	0
35	Stimulated myoblast differentiation on graphene oxide-impregnated PLGA-collagen hybrid fibre matrices. <i>Journal of Nanobiotechnology</i> , 2015, 13, 21.	9.1	137
36	Association Between <i>BDNF</i> Gene Polymorphisms and Attention Deficit Hyperactivity Disorder in Korean Children. <i>Genetic Testing and Molecular Biomarkers</i> , 2015, 19, 366-371.	0.7	16

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37	Three-dimensional brain-on-a-chip with an interstitial level of flow and its application as an in vitro model of Alzheimer's disease. <i>Lab on A Chip</i> , 2015, 15, 141-150.	6.0	283
38	Family History and Functional Outcome in Korean Stroke Patients: A Preliminary Study. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 980.	1.6	3
39	Radiologic Assessment of Forward Head Posture and Its Relation to Myofascial Pain Syndrome. <i>Annals of Rehabilitation Medicine</i> , 2014, 38, 821.	1.6	32
40	Therapeutic Potential of Induced Neural Stem Cells for Spinal Cord Injury. <i>Journal of Biological Chemistry</i> , 2014, 289, 32512-32525.	3.4	75
41	Detrusor Overactivity in Patients With Cauda Equina Syndrome. <i>Spine</i> , 2014, 39, E955-E961.	2.0	9
42	A Machine Learning Approach for Specification of Spinal Cord Injuries Using Fractional Anisotropy Values Obtained from Diffusion Tensor Images. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-8.	1.3	30
43	Differential stimulation of neurotrophin release by the biocompatible nano-material (carbon) Tj ETQq1 1 0.784314 μ gBT / Overlock 10 μ m	2.4	20
44	Chin Tuck for Prevention of Aspiration: Effectiveness and Appropriate Posture. <i>Dysphagia</i> , 2014, 29, 603-609.	1.8	26
45	Differences in Videofluoroscopic Swallowing Study (VFSS) Findings According to the Vascular Territory Involved in Stroke. <i>Dysphagia</i> , 2014, 29, 444-449.	1.8	29
46	Prognosis for Patients With Traumatic Cervical Spinal Cord Injury Combined With Cervical Radiculopathy. <i>Annals of Rehabilitation Medicine</i> , 2014, 38, 443.	1.6	4
47	Biofunctionalized carbon nanotubes in neural regeneration: a mini-review. <i>Nanoscale</i> , 2013, 5, 487-497.	5.6	83
48	Additive Therapeutic Effect of Pharyngolaryngeal Neuromuscular Electrical Stimulation on Dysphagia from Brain Disorders. <i>PM and R</i> , 2013, 5, S244-S244.	1.6	0
49	Collagen " Emerging collagen based therapies hit the patient. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 429-456.	13.7	249
50	Bone tissue engineering of induced pluripotent stem cells cultured with macrochanneled polymer scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1283-1291.	4.0	53
51	Reprogramming to Pluripotency through a Somatic Stem Cell Intermediate. <i>PLoS ONE</i> , 2013, 8, e85138.	2.5	13
52	Skin Temperature Changes in Patients With Unilateral Lumbosacral Radiculopathy. <i>Annals of Rehabilitation Medicine</i> , 2013, 37, 355.	1.6	14
53	The Clinical Effect of Botulinum Toxin in a Patient with Tourette's Syndrome: A Case Report and Review. <i>SoaÅ; \$ceongso'nyeon Jeongsin Yihag</i> , 2013, 24, 90-95.	0.5	0
54	Skin Temperature Changes following Sciatic Nerve Injury in Rats. <i>Journal of Neurotrauma</i> , 2012, 29, 2738-2747.	3.4	9

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55	Influence of constraint-induced movement therapy upon evoked potentials in rats with cerebral infarction. <i>European Journal of Neuroscience</i> , 2012, 36, 3691-3697.	2.6	17
56	Effects of phosphate glass fiber-collagen scaffolds on functional recovery of completely transected rat spinal cords. <i>Acta Biomaterialia</i> , 2012, 8, 1802-1812.	8.3	42
57	The Influence of Laterality of Pharyngeal Bolus Passage on Dysphagia in Hemiplegic Stroke Patients. <i>Annals of Rehabilitation Medicine</i> , 2012, 36, 696.	1.6	9
58	A Case of Herpes Zoster Peripheral Polyneuropathy Manifested by Foot Drop in Chronic Myeloid Leukemia. <i>Annals of Rehabilitation Medicine</i> , 2012, 36, 724.	1.6	5
59	1-Hz low frequency repetitive transcranial magnetic stimulation in children with Tourette's syndrome. <i>Neuroscience Letters</i> , 2011, 492, 1-4.	2.1	114
60	Development of Complete Thoracic Spinal Cord Transection Model in Rats for Delayed Transplantation of Stem Cells. <i>Spine</i> , 2011, 36, E155-E163.	2.0	14
61	Collagen gel three-dimensional matrices combined with adhesive proteins stimulate neuronal differentiation of mesenchymal stem cells. <i>Journal of the Royal Society Interface</i> , 2011, 8, 998-1010.	3.4	46
62	<i>In Vivo</i> Imaging of Dorsal Root Regeneration: Rapid Immobilization and Presynaptic Differentiation at the CNS/PNS Border. <i>Journal of Neuroscience</i> , 2011, 31, 4569-4582.	3.6	95
63	Collet-Sicard Syndrome in a Patient with Jefferson Fracture. <i>Annals of Rehabilitation Medicine</i> , 2011, 35, 934.	1.6	9
64	The effect of mesenchymal stem cell transplantation on the recovery of bladder and hindlimb function after spinal cord contusion in rats. <i>BMC Neuroscience</i> , 2010, 11, 119.	1.9	54
65	Bone regeneration by bioactive hybrid membrane containing FGF2 within rat calvarium. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1187-1194.	4.0	41
66	Diffusion Tensor Imaging and Fiber Tractography of Patients with Cervical Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 2033-2040.	3.4	96
67	Clinical and Experimental Advances in Regeneration of Spinal Cord Injury. <i>Journal of Tissue Engineering</i> , 2010, 1, 650857.	5.5	43
68	Evacuated Calcium Phosphate Spherical Microcarriers for Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2010, 16, 1681-1691.	3.1	15
69	Serial Changes in Bladder, Locomotion, and Levels of Neurotrophic Factors in Rats with Spinal Cord Contusion. <i>Journal of Neurotrauma</i> , 2009, 26, 1773-1782.	3.4	14
70	Clinical Significance of Digital Infrared Thermal Imaging in Unilateral Ulnar Neuropathy. <i>Journal of Korean Association of EMG Electrodiagnostic Medicine</i> , 2009, 11, 78-84.	0.0	0
71	Isolated Median Sensory Neuropathy After Acupuncture. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 2379-2381.	0.9	9
72	Gullain-barre Syndrome Associated with Non-Hodgkin's Lymphoma. <i>The Korean Journal of Hematology</i> , 2008, 43, 263.	0.7	2

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73	Quantitative evaluation of very acute stage of complex regional pain syndrome after stroke using three-phase bone scintigraphy. Nuclear Medicine Communications, 2007, 28, 766-770.	1.1	23
74	Asymmetric Atrophy of Multifidus Muscle in Patients With Unilateral Lumbosacral Radiculopathy. Spine, 2007, 32, E598-E602.	2.0	114
75	The effectiveness of digital infrared thermographic imaging in patients with shoulder impingement syndrome. Journal of Shoulder and Elbow Surgery, 2007, 16, 548-554.	2.6	35
76	Electromyographic Findings in Nucleus Pulposus-Induced Radiculopathy in the Rat. Spine, 2006, 31, 2053-2058.	2.0	10
77	Shoulder Impingement Syndrome Combined with Myofascial Pain Syndrome. The Journal of the Korean Orthopaedic Association, 2005, 40, 839.	0.1	0
78	Growth-associated protein-43 is elevated in the injured rat sciatic nerve after low power laser irradiation. Neuroscience Letters, 2003, 344, 71-74.	2.1	65