

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	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
2	Collagen " Emerging collagen based therapies hit the patient. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 429-456.	13.7	249
3	Stimulated myoblast differentiation on graphene oxide-impregnated PLGA-collagen hybrid fibre matrices. <i>Journal of Nanobiotechnology</i> , 2015, 13, 21.	9.1	137
4	Asymmetric Atrophy of Multifidus Muscle in Patients With Unilateral Lumbosacral Radiculopathy. <i>Spine</i> , 2007, 32, E598-E602.	2.0	114
5	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
6	Carbon-nanotube-interfaced glass fiber scaffold for regeneration of transected sciatic nerve. <i>Acta Biomaterialia</i> , 2015, 13, 324-334.	8.3	99
7	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
8	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
9	<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
10	Biofunctionalized carbon nanotubes in neural regeneration: a mini-review. <i>Nanoscale</i> , 2013, 5, 487-497.	5.6	83
11	Therapeutic Potential of Induced Neural Stem Cells for Spinal Cord Injury. <i>Journal of Biological Chemistry</i> , 2014, 289, 32512-32525.	3.4	75
12	Growth-associated protein-43 is elevated in the injured rat sciatic nerve after low power laser irradiation. <i>Neuroscience Letters</i> , 2003, 344, 71-74.	2.1	65
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	Clinical and Experimental Advances in Regeneration of Spinal Cord Injury. <i>Journal of Tissue Engineering</i> , 2010, 1, 650857.	5.5	43
21	Effects of phosphate glass fiberâ€œcollagen scaffolds on functional recovery of completely transected rat spinal cords. <i>Acta Biomaterialia</i> , 2012, 8, 1802-1812.	8.3	42
22	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
23	The effectiveness of digital infrared thermographic imaging in patients with shoulder impingement syndrome. <i>Journal of Shoulder and Elbow Surgery</i> , 2007, 16, 548-554.	2.6	35
24	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
25	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
26	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
27	Chin Tuck for Prevention of Aspiration: Effectiveness and Appropriate Posture. <i>Dysphagia</i> , 2014, 29, 603-609.	1.8	26
28	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
29	Generation of Integration-free Induced Neural Stem Cells from Mouse Fibroblasts. <i>Journal of Biological Chemistry</i> , 2016, 291, 14199-14212.	3.4	24
30	Quantitative evaluation of very acute stage of complex regional pain syndrome after stroke using three-phase bone scintigraphy. <i>Nuclear Medicine Communications</i> , 2007, 28, 766-770.	1.1	23
31	Effects of Early Cranioplasty on the Restoration of Cognitive and Functional Impairments. <i>Annals of Rehabilitation Medicine</i> , 2017, 41, 354.	1.6	23
32	Fusion of Reprogramming Factors Alters the Trajectory of Somatic Lineage Conversion. <i>Cell Reports</i> , 2019, 27, 30-39.e4.	6.4	23
33	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
34	Differential stimulation of neurotrophin release by the biocompatible nano-material (carbon) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 142 T	2.4	20
35	Influence of constraintâ€œinduced movement therapy upon evoked potentials in rats with cerebral infarction. <i>European Journal of Neuroscience</i> , 2012, 36, 3691-3697.	2.6	17
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	Evacuated Calcium Phosphate Spherical Microcarriers for Bone Regeneration. <i>Tissue Engineering - Part A</i> , 2010, 16, 1681-1691.	3.1	15
38	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
39	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
40	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
41	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
42	Exercise Ameliorates Spinal Cord Injury by Changing DNA Methylation. <i>Cells</i> , 2021, 10, 143.	4.1	14
43	Skin Temperature Changes in Patients With Unilateral Lumbosacral Radiculopathy. <i>Annals of Rehabilitation Medicine</i> , 2013, 37, 355.	1.6	14
44	Reprogramming to Pluripotency through a Somatic Stem Cell Intermediate. <i>PLoS ONE</i> , 2013, 8, e85138.	2.5	13
45	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
46	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
47	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
48	Ascorbic Acid Promotes Functional Restoration after Spinal Cord Injury Partly by Epigenetic Modulation. <i>Cells</i> , 2020, 9, 1310.	4.1	11
49	Electromyographic Findings in Nucleus Pulposus-Induced Radiculopathy in the Rat. <i>Spine</i> , 2006, 31, 2053-2058.	2.0	10
50	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
51	Isolated Median Sensory Neuropathy After Acupuncture. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 2379-2381.	0.9	9
52	Skin Temperature Changes following Sciatic Nerve Injury in Rats. <i>Journal of Neurotrauma</i> , 2012, 29, 2738-2747.	3.4	9
53	Detrusor Overactivity in Patients With Cauda Equina Syndrome. <i>Spine</i> , 2014, 39, E955-E961.	2.0	9
54	Collet-Sicard Syndrome in a Patient with Jefferson Fracture. <i>Annals of Rehabilitation Medicine</i> , 2011, 35, 934.	1.6	9

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55	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
56	Prediction of Diabetic Sensorimotor Polyneuropathy Using Machine Learning Techniques. <i>Journal of Clinical Medicine</i> , 2021, 10, 4576.	2.4	9
57	Prediction of Poststroke Depression Based on the Outcomes of Machine Learning Algorithms. <i>Journal of Clinical Medicine</i> , 2022, 11, 2264.	2.4	9
58	Effectiveness of Chin Tuck on Laryngeal Penetration: Quantitative Assessment. <i>Dysphagia</i> , 2021, 36, 1054-1062.	1.8	7
59	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
60	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
61	Diagnosis of Spasmodic Dysphonia Manifested by Swallowing Difficulty in Videofluoroscopic Swallowing Study. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 313.	1.6	5
62	Influence of Hip Fracture on Knee Pain During Postoperative Rehabilitation. <i>Annals of Rehabilitation Medicine</i> , 2018, 42, 682-689.	1.6	5
63	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
64	Repetitive Transcranial Magnetic Stimulation Enhances Recovery in Central Cord Syndrome Patients. <i>Annals of Rehabilitation Medicine</i> , 2019, 43, 62-73.	1.6	5
65	Inhibition of BET selectively eliminates undifferentiated pluripotent stem cells. <i>Science Bulletin</i> , 2018, 63, 477-487.	9.0	4
66	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
67	Botulinum Toxin Injection in the Treatment of Postextubation Dysphagia: A Case Report. <i>Annals of Rehabilitation Medicine</i> , 2018, 42, 358.	1.6	4
68	Family History and Functional Outcome in Korean Stroke Patients: A Preliminary Study. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 980.	1.6	3
69	Gullain-barre Syndrome Associated with Non-Hodgkin's Lymphoma. <i>The Korean Journal of Hematology</i> , 2008, 43, 263.	0.7	2
70	Multimodal sensor-based weight drop spinal cord impact system for large animals. <i>Spine Journal</i> , 2017, 17, 1947-1955.	1.3	2
71	The Time Sequence of Gene Expression Changes after Spinal Cord Injury. <i>Cells</i> , 2022, 11, 2236.	4.1	2
72	Graphene oxide-stimulated myogenic differentiation of C2C12 cells on PLGA/RGD peptide nanofiber matrices. , 2015, , .		1

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73	Additive Therapeutic Effect of Pharyngolaryngeal Neuromuscular Electrical Stimulation on Dysphagia from Brain Disorders. PM and R, 2013, 5, S244-S244.	1.6	0
74	Letter. Spine, 2015, 40, 585.	2.0	0
75	Weight drop impact system and its output signal analysis for inducing large animal spinal cord injury model. , 2017, 2017, 1142-1145.		0
76	Shoulder Impingement Syndrome Combined with Myofascial Pain Syndrome. The Journal of the Korean Orthopaedic Association, 2005, 40, 839.	0.1	0
77	Clinical Significance of Digital Infrared Thermal Imaging in Unilateral Ulnar Neuropathy. Journal of Korean Association of EMG Electrodiagnostic Medicine, 2009, 11, 78-84.	0.0	0
78	The Clinical Effect of Botulinum Toxin in a Patient with Tourette's Syndrome: A Case Report and Review. SoaÅ\$ceongso'nyeon Jeongsin Yihag, 2013, 24, 90-95.	0.5	0