

In-Bo Han

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

2,412
citations

218381

26
h-index

288905

40
g-index

104
all docs

104
docs citations

104
times ranked

3024
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiolate poly(lactic-co-glycolic acid) nanofibers loaded with dexamethasone and ropivacaine show enhanced sustained release in the treatment of neuropathic pain through a local therapy technique. <i>Chemical Engineering Journal</i> , 2022, 431, 133356.	6.6	4
2	A multicellular bioprinted cell construct for vascularized bone tissue regeneration. <i>Chemical Engineering Journal</i> , 2022, 431, 133882.	6.6	15
3	The Relationship between Parkinson's Disease and Acute Myocardial Infarction in Korea : A Nationwide Longitudinal Cohort Study. <i>Journal of Korean Neurosurgical Society</i> , 2022, 65, 507-513.	0.5	7
4	The Change of Spinal Canal According to Oblique Lumbar Interbody Fusion in Degenerative Spondylolisthesis: A Prospective Observational Study. <i>Neurospine</i> , 2022, 19, 492-500.	1.1	10
5	Synaptic Cell Adhesion Molecule 3 (SynCAM3) Deletion Promotes Recovery from Spinal Cord Injury by Limiting Glial Scar Formation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6218.	1.8	4
6	Curcumin as a Promising Neuroprotective Agent for the Treatment of Spinal Cord Injury: A Review of the Literature. <i>Neurospine</i> , 2022, 19, 249-261.	1.1	7
7	Mesenchymal Stem Cell-Derived Exosomes and Intervertebral Disc Regeneration: Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7306.	1.8	23
8	Advances in Tissue Engineering for Disc Repair. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1919.	1.3	9
9	Genetic Therapy for Intervertebral Disc Degeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1579.	1.8	50
10	Inhibitory Effects of Gold and Silver Nanoparticles on the Differentiation into Osteoclasts In Vitro. <i>Pharmaceutics</i> , 2021, 13, 462.	2.0	14
11	Development of Neuromonitoring Pedicle Screw - Results of Electrical Resistance and Neurophysiologic Test in Pig Model. <i>Neurospine</i> , 2021, 18, 117-125.	1.1	1
12	Transplantation of tauroursodeoxycholic acid-inducing M2 phenotype macrophages promotes an anti-neuroinflammatory effect and functional recovery after spinal cord injury in rats. <i>Cell Proliferation</i> , 2021, 54, e13050.	2.4	29
13	Association between ischemic stroke and seropositive rheumatoid arthritis in Korea: A nationwide longitudinal cohort study. <i>PLoS ONE</i> , 2021, 16, e0251851.	1.1	7
14	Stem Cell Therapy for Modulating Neuroinflammation in Neuropathic Pain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4853.	1.8	23
15	Bone tissue engineering via application of a collagen/hydroxyapatite 4D-printed biomimetic scaffold for spinal fusion. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	40
16	Direct Injection of Hydrogels Embedding Gold Nanoparticles for Local Therapy after Spinal Cord Injury. <i>Biomacromolecules</i> , 2021, 22, 2887-2901.	2.6	21
17	Concepts of Regeneration for Spinal Diseases in 2021. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8356.	1.8	5
18	Association of Parkinson's disease with ischemic stroke in Korea: A nationwide longitudinal cohort study in Korea. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , 2021, 23, 233-239.	0.2	7

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19	Bazedoxifene, a Selective Estrogen Receptor Modulator, Promotes Functional Recovery in a Spinal Cord Injury Rat Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11012.	1.8	6
20	Safety and efficacy of Wharton's jelly-derived mesenchymal stem cells with teriparatide for osteoporotic vertebral fractures: A phase I/IIa study. <i>Stem Cells Translational Medicine</i> , 2021, 10, 554-567.	1.6	13
21	Efficacy for Whitlockite for Augmenting Spinal Fusion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12875.	1.8	3
22	Double layers of gold nanoparticles immobilized titanium implants improve the osseointegration in rabbit models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102129.	1.7	20
23	The Effect of an Educational and Interactive Informed Consent Process on Patients With Cervical Spondylotic Myelopathy Caused by Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2020, 45, 193-200.	1.0	8
24	Safety and Tolerability of Stromal Vascular Fraction Combined with $\hat{1}^2$ -Tricalcium Phosphate in Posterior Lumbar Interbody Fusion: Phase I Clinical Trial. <i>Cells</i> , 2020, 9, 2250.	1.8	9
25	An Injectable Hyaluronan-Methylcellulose (HAMC) Hydrogel Combined with Wharton's Jelly-Derived Mesenchymal Stromal Cells (WJ-MSCs) Promotes Degenerative Disc Repair. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7391.	1.8	33
26	Association of acute myocardial infarction with seropositive rheumatoid arthritis in Korea: A nationwide longitudinal cohort study. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 97-101.	0.8	9
27	Matrilin-3-Primed Adipose-Derived Mesenchymal Stromal Cell Spheroids Prevent Mesenchymal Stromal-Cell-Derived Chondrocyte Hypertrophy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8911.	1.8	8
28	Correction: "Changes in the medical burden of pyogenic and tuberculous spondylitis between 2007 and 2016: A nationwide cohort study". <i>Journal of Clinical Neuroscience</i> , 2020, 78, 347-352.	0.8	1
29	Combined Treatment with Fasudil and Menthol Improves Functional Recovery in Rat Spinal Cord Injury Model. <i>Biomedicines</i> , 2020, 8, 258.	1.4	9
30	Efficacy of matrilin-3-primed adipose-derived mesenchymal stem cell spheroids in a rabbit model of disc degeneration. <i>Stem Cell Research and Therapy</i> , 2020, 11, 363.	2.4	20
31	The Role of Epigenomics in Osteoporosis and Osteoporotic Vertebral Fracture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9455.	1.8	9
32	CORM-2-entrapped ultradeformable liposomes ameliorate acute skin inflammation in an ear edema model via effective CO delivery. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 2362-2373.	5.7	17
33	3'-UTR Polymorphisms of Vitamin B-Related Genes Are Associated with Osteoporosis and Osteoporotic Vertebral Compression Fractures (OVCFs) in Postmenopausal Women. <i>Genes</i> , 2020, 11, 612.	1.0	11
34	Therapeutic Potential of Tauroursodeoxycholic Acid for the Treatment of Osteoporosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4274.	1.8	17
35	Targeted Delivery of Mesenchymal Stem Cell-Derived Nanovesicles for Spinal Cord Injury Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4185.	1.8	42
36	The local hypothalamic-pituitary-adrenal axis in cultured human dermal papilla cells. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 42.	1.0	9

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37	Injectable Hydrogel Containing Tauroursodeoxycholic Acid for Anti-neuroinflammatory Therapy After Spinal Cord Injury in Rats. <i>Molecular Neurobiology</i> , 2020, 57, 4007-4017.	1.9	20
38	CRH receptor antagonists from <i>Pulsatilla chinensis</i> prevent CRH-induced premature catagen transition in human hair follicles. <i>Journal of Cosmetic Dermatology</i> , 2020, 19, 3058-3066.	0.8	6
39	Chronic Hyperglycemia before Spinal Cord Injury Increases Inflammatory Reaction and Astrogliosis after Injury: Human and Rat Studies. <i>Journal of Neurotrauma</i> , 2020, 37, 1165-1181.	1.7	10
40	Changes in the medical burden of pyogenic and tuberculous spondylitis between 2007 and 2016: A nationwide cohort study. <i>Journal of Clinical Neuroscience</i> , 2020, 73, 89-93.	0.8	9
41	CORM-2-Solid Lipid Nanoparticles Maintain Integrity of Blood-Spinal Cord Barrier After Spinal Cord Injury in Rats. <i>Molecular Neurobiology</i> , 2020, 57, 2671-2689.	1.9	30
42	Risk of rod fracture according to cross-link position in pedicle subtraction osteotomy (PSO): A finite element study. <i>Journal of Clinical Neuroscience</i> , 2020, 73, 304-307.	0.8	4
43	Moving Forward: Gene Therapy for Intervertebral Disc Degeneration. <i>Neurospine</i> , 2020, 17, 17-18.	1.1	10
44	Elevated TRPV4 Levels Contribute to Endothelial Damage and Scarring in Experimental Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2020, 40, 1943-1955.	1.7	41
45	Risk factors for cage migration and cage retropulsion following transforaminal lumbar interbody fusion. <i>Spine Journal</i> , 2019, 19, 437-447.	0.6	77
46	Effect of curcumin on the inflammatory reaction and functional recovery after spinal cord injury in a hyperglycemic rat model. <i>Spine Journal</i> , 2019, 19, 2025-2039.	0.6	32
47	Anti-neuroinflammatory gold nanocomplex loading ursodeoxycholic acid following spinal cord injury. <i>Chemical Engineering Journal</i> , 2019, 375, 122088.	6.6	21
48	Nanocarrier-mediated Delivery of CORM-2 Enhances Anti-allodynic and Anti-hyperalgesic Effects of CORM-2. <i>Molecular Neurobiology</i> , 2019, 56, 5539-5554.	1.9	18
49	Ursodeoxycholic Acid Inhibits Inflammatory Responses and Promotes Functional Recovery After Spinal Cord Injury in Rats. <i>Molecular Neurobiology</i> , 2019, 56, 267-277.	1.9	50
50	Association of Congestive Heart Failure and Death with Ankylosing Spondylitis : A Nationwide Longitudinal Cohort Study in Korea. <i>Journal of Korean Neurosurgical Society</i> , 2019, 62, 217-224.	0.5	12
51	Polymorphisms of miR-146a, miR-149, miR-196a2, and miR-499 are associated with osteoporotic vertebral compression fractures in Korean postmenopausal women. <i>Journal of Orthopaedic Research</i> , 2018, 36, 244-253.	1.2	18
52	Anti-inflammatory effect of Tauroursodeoxycholic acid in RAW 264.7 macrophages, Bone marrow-derived macrophages, BV2 microglial cells, and spinal cord injury. <i>Scientific Reports</i> , 2018, 8, 3176.	1.6	35
53	Relationships between vitamin D and paraspinal muscle: human data and experimental rat model analysis. <i>Spine Journal</i> , 2018, 18, 1053-1061.	0.6	23
54	Perineurium-like sheath derived from long-term surviving mesenchymal stem cells confers nerve protection to the injured spinal cord. <i>Biomaterials</i> , 2018, 160, 37-55.	5.7	35

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55	Biomechanical characterization of three iliac screw fixation techniques: A finite element study. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 109-114.	0.8	24
56	TRPV4: a Sensor for Homeostasis and Pathological Events in the CNS. <i>Molecular Neurobiology</i> , 2018, 55, 8695-8708.	1.9	32
57	Increased Bone Mineral Density in Cervical or Thoracic Diffuse Idiopathic Skeletal Hyperostosis (DISH): A Case-Control Study. <i>Journal of Clinical Densitometry</i> , 2018, 21, 68-74.	0.5	19
58	Matrix Metalloproteinase-8 Inhibition Prevents Disruption of Blood-Spinal Cord Barrier and Attenuates Inflammation in Rat Model of Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2018, 55, 2577-2590.	1.9	58
59	Matrilin-3 codelivery with adipose-derived mesenchymal stem cells promotes articular cartilage regeneration in a rat osteochondral defect model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 667-675.	1.3	23
60	Osteogenic Potential of Tauroursodeoxycholic Acid as an Alternative to rhBMP-2 in a Mouse Spinal Fusion Model. <i>Tissue Engineering - Part A</i> , 2018, 24, 407-417.	1.6	12
61	Spinal Epidermoid Tumors: Case Report and Review of the Literature. <i>Neurospine</i> , 2018, 15, 117-122.	1.1	26
62	Association of MicroRNA Biogenesis Genes Polymorphisms with Ischemic Stroke Susceptibility and Post-Stroke Mortality. <i>Journal of Stroke</i> , 2018, 20, 110-121.	1.4	20
63	Biodegradable Nerve Guidance Conduit with Microporous and Micropatterned Poly(lactic-co-glycolic acid)-Accelerated Sciatic Nerve Regeneration. <i>Macromolecular Bioscience</i> , 2018, 18, e1800290.	2.1	29
64	Microenvironmental Regulation of Stem Cell Behavior Through Biochemical and Biophysical Stimulation. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1064, 147-160.	0.8	9
65	Effect of a bisphosphonate and selective estrogen receptor modulator on bone remodeling in streptozotocin-induced diabetes and ovariectomized rat model. <i>Spine Journal</i> , 2018, 18, 1877-1887.	0.6	12
66	Oral Administration of β -Asarone Promotes Functional Recovery in Rats With Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 445.	1.6	16
67	3'-UTR Polymorphisms of MTHFR and TS Associated with Osteoporotic Vertebral Compression Fracture Susceptibility in Postmenopausal Women. <i>International Journal of Molecular Sciences</i> , 2018, 19, 824.	1.8	8
68	Recovery of paralyzed limb motor function in canine with complete spinal cord injury following implantation of MSC-derived neural network tissue. <i>Biomaterials</i> , 2018, 181, 15-34.	5.7	51
69	Therapeutic Efficacy-Potentiated and Diseased Organ-Targeting Nanovesicles Derived from Mesenchymal Stem Cells for Spinal Cord Injury Treatment. <i>Nano Letters</i> , 2018, 18, 4965-4975.	4.5	133
70	Association of Acute Myocardial Infarction with ankylosing Spondylitis: A nationwide longitudinal cohort study. <i>Journal of Clinical Neuroscience</i> , 2018, 56, 34-37.	0.8	24
71	Associations of miR-146a>G, miR-149>T, miR-196a2>T and miR-499A>G polymorphisms with brain tumors. <i>Oncology Reports</i> , 2018, 40, 1813-1823.	1.2	7
72	Neutrophil elastase inhibition effectively rescued angiopoietin-1 decrease and inhibits glial scar after spinal cord injury. <i>Acta Neuropathologica Communications</i> , 2018, 6, 73.	2.4	36

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73	Propitious Therapeutic Modulators to Prevent Blood-Spinal Cord Barrier Disruption in Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2017, 54, 3578-3590.	1.9	75
74	Sagittal spinal alignment in asymptomatic patients over 30 years old in the Korean population. <i>Acta Neurochirurgica</i> , 2017, 159, 1119-1128.	0.9	16
75	A ratiometric two-photon probe for Ca ²⁺ in live tissues and its application to spinal cord injury model. <i>Biomaterials</i> , 2017, 141, 251-259.	5.7	29
76	Targeted Nanotechnology in Glioblastoma Multiforme. <i>Frontiers in Pharmacology</i> , 2017, 8, 166.	1.6	120
77	Down-Regulation of Transglutaminase 2 Stimulates Redifferentiation of Dedifferentiated Chondrocytes through Enhancing Glucose Metabolism. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2359.	1.8	6
78	The Role of RNF213 4810G>A and 4950G>A Variants in Patients with Moyamoya Disease in Korea. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2477.	1.8	16
79	Role of RHEB in Regulating Differentiation Fate of Mesenchymal Stem Cells for Cartilage and Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 880.	1.8	11
80	Anti-inflammatory effects of ursodeoxycholic acid by lipopolysaccharide-stimulated inflammatory responses in RAW 264.7 macrophages. <i>PLoS ONE</i> , 2017, 12, e0180673.	1.1	92
81	Safety and tolerability of intradiscal implantation of combined autologous adipose-derived mesenchymal stem cells and hyaluronic acid in patients with chronic discogenic low back pain: 1-year follow-up of a phase I study. <i>Stem Cell Research and Therapy</i> , 2017, 8, 262.	2.4	142
82	Complete Reversal of Diffusion Restriction after Treatment of Traumatic Carotid-Cavernous Fistula. <i>Korean Journal of Neurotrauma</i> , 2017, 13, 171.	0.2	0
83	Matrilin-3 Role in Cartilage Development and Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 590.	1.8	24
84	Enhancement of Matrix Metalloproteinase-2 (MMP-2) as a Potential Chondrogenic Marker during Chondrogenic Differentiation of Human Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 963.	1.8	19
85	Association of Plasminogen Activator Inhibitor-1 (PAI-1) Gene Polymorphisms with Osteoporotic Vertebral Compression Fractures (OVCFs) in Postmenopausal Women. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2062.	1.8	11
86	Enhanced acute anti-inflammatory effects of CORM-2-loaded nanoparticles via sustained carbon monoxide delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 187-195.	2.0	46
87	Association of miR-34a, miR-130a, miR-150 and miR-155 polymorphisms with the risk of ischemic stroke. <i>International Journal of Molecular Medicine</i> , 2016, 38, 345-356.	1.8	28
88	Association of miR-146a, miR-149, miR-196a2, and miR-499 Polymorphisms with Ossification of the Posterior Longitudinal Ligament of the Cervical Spine. <i>PLoS ONE</i> , 2016, 11, e0159756.	1.1	14
89	Down-regulation of MicroRNA-126 in Glioblastoma and its Correlation with Patient Prognosis: A Pilot Study. <i>Anticancer Research</i> , 2016, 36, 6691-6698.	0.5	22
90	Randomized Controlled Study of Percutaneous Epidural Neuroplasty Using Racz Catheter and Epidural Steroid Injection in Cervical Disc Disease. <i>Pain Physician</i> , 2016, 19, 39-48.	0.3	5

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91	Biological Approaches to Treating Intervertebral Disk Degeneration: Devising Stem Cell Therapies. Cell Transplantation, 2015, 24, 2197-2208.	1.2	31
92	Predisposing roles of paraoxonase-1 genetic variants in Korean ischemic stroke patients. Genes and Genomics, 2015, 37, 579-586.	0.5	3
93	Regulation of pyruvate kinase isozyme M2 is mediated by the ubiquitin-specific protease 20. International Journal of Oncology, 2015, 46, 2116-2124.	1.4	25
94	Bone loss of the superior adjacent vertebral body immediately posterior to the anterior flange of Bryan cervical disc. European Spine Journal, 2015, 24, 2872-2879.	1.0	29
95	An efficient device to experimentally model compression injury of mammalian spinal cord. Experimental Neurology, 2015, 271, 515-523.	2.0	28
96	Transplantation of human Wharton's jelly-derived mesenchymal stem cells highly expressing TGF β 2 receptors in a rabbit model of disc degeneration. Stem Cell Research and Therapy, 2015, 6, 190.	2.4	45
97	Bladder and bowel dysfunction following small-volume epidural blood patch for spontaneous intracranial hypotension. Journal of Clinical Neuroscience, 2013, 20, 325-328.	0.8	8
98	Association between kinase insert domain-containing receptor gene polymorphisms and silent brain infarction: A Korean study. Journal of the Neurological Sciences, 2012, 318, 85-89.	0.3	11
99	Association of Methylenetetrahydrofolate Reductase (MTHFR 677C>T and 1298A>C) Polymorphisms and Haplotypes with Silent Brain Infarction and Homocysteine Levels in a Korean Population. Yonsei Medical Journal, 2010, 51, 253.	0.9	26
100	Effect of Various Surgical Modalities in Recurrent or Persistent Trigeminal Neuralgia. Stereotactic and Functional Neurosurgery, 2010, 88, 156-162.	0.8	19
101	Association of pyogenic spondylitis with congestive heart failure in Korea: a nationwide longitudinal cohort study. Daehan Noin Sin'gyeong Oe'gwa Haghoeji, 0, , .	0.1	0