

# Feizhou Lu

## List of Publications by Year in descending order

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63  
papers

1,085  
citations

471509

17  
h-index

501196

28  
g-index

72  
all docs

72  
docs citations

72  
times ranked

967  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD73 alleviates GSDMD-mediated microglia pyroptosis in spinal cord injury through PI3K/AKT/Foxo1 signaling. <i>Clinical and Translational Medicine</i> , 2021, 11, e269.	4.0	113
2	TLR4 promotes microglial pyroptosis via lncRNA-F630028010Rik by activating PI3K/AKT pathway after spinal cord injury. <i>Cell Death and Disease</i> , 2020, 11, 693.	6.3	98
3	CircERCC2 ameliorated intervertebral disc degeneration by regulating mitophagy and apoptosis through miR-182-5p/SIRT1 axis. <i>Cell Death and Disease</i> , 2019, 10, 751.	6.3	91
4	Ecto-5'-nucleotidase (CD73) attenuates inflammation after spinal cord injury by promoting macrophages/microglia M2 polarization in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 155.	7.2	67
5	MSC-Derived Exosomes Protect Vertebral Endplate Chondrocytes against Apoptosis and Calcification via the miR-31-5p/ATF6 Axis. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 601-614.	5.1	57
6	Exosomal MMP2 derived from mature osteoblasts promotes angiogenesis of endothelial cells via VEGF/Erk1/2 signaling pathway. <i>Experimental Cell Research</i> , 2019, 383, 111541.	2.6	39
7	Does right lateral decubitus position change retroperitoneal oblique corridor? A radiographic evaluation from L1 to L5. <i>European Spine Journal</i> , 2017, 26, 646-650.	2.2	34
8	Efficacy of anterior cervical decompression and fusion procedures for monomelic amyotrophy treatment: a prospective randomized controlled trial. <i>Journal of Neurosurgery: Spine</i> , 2013, 19, 412-419.	1.7	33
9	Establishment of a clinician-led guideline on the diagnosis and treatment of Hirayama disease using a modified Delphi technique. <i>Clinical Neurophysiology</i> , 2020, 131, 1311-1319.	1.5	26
10	The prevalence of tarsal tunnel syndrome in patients with lumbosacral radiculopathy. <i>European Spine Journal</i> , 2016, 25, 895-905.	2.2	25
11	Update on the Pathogenesis, Clinical Diagnosis, and Treatment of Hirayama Disease. <i>Frontiers in Neurology</i> , 2021, 12, 811943.	2.4	24
12	TLR4 aggravates microglial pyroptosis by promoting DDX3X-mediated NLRP3 inflammasome activation via JAK2/STAT1 pathway after spinal cord injury. <i>Clinical and Translational Medicine</i> , 2022, 12, .	4.0	24
13	Spinal Rosai-Dorfman disease: case report and literature review. <i>European Spine Journal</i> , 2017, 26, 117-127.	2.2	22
14	Risk factors for metastasis at presentation with conventional chondrosarcoma: a population-based study. <i>International Orthopaedics</i> , 2018, 42, 2941-2948.	1.9	22
15	CAN anterior cervical fusion procedures prevent the progression of the natural course of Hirayama disease? An ambispective cohort analysis. <i>Clinical Neurophysiology</i> , 2018, 129, 2341-2349.	1.5	21
16	Repetitive nerve stimulation as a diagnostic aid for distinguishing cervical spondylotic amyotrophy from amyotrophic lateral sclerosis. <i>European Spine Journal</i> , 2017, 26, 1929-1936.	2.2	20
17	Snake-Eyes Appearance on MRI Occurs during the Late Stage of Hirayama Disease and Indicates Poor Prognosis. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	20
18	A study of dynamic F-waves in juvenile spinal muscular atrophy of the distal upper extremity (Hirayama) Tj ETQq0 0,0 rgBT /Overlock 10	0,6	19

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19	Motor unit number estimation in the quantitative assessment of severity and progression of motor unit loss in Hirayama disease. <i>Clinical Neurophysiology</i> , 2017, 128, 1008-1014.	1.5	16
20	Confirmation and preliminary analysis of circRNAs potentially involved in human intervertebral disc degeneration. <i>Molecular Medicine Reports</i> , 2017, 16, 9173-9180.	2.4	14
21	The evaluation on neural status of cervical spinal cord in normal and Hirayama disease using diffusion tensor imaging. <i>European Spine Journal</i> , 2019, 28, 1872-1878.	2.2	13
22	Factors Affecting the Surgical Outcomes of Hirayama Disease: A Retrospective Analysis of Preoperative Magnetic Resonance Imaging Features of the Cervical Spine. <i>World Neurosurgery</i> , 2019, 122, e296-e301.	1.3	13
23	Lumbar Spinal Stenosis Induced by Rare Chronic Tophaceous Gout in a 29-year-old Man. <i>Orthopedics</i> , 2012, 35, e1571-5.	1.1	13
24	Analysis of the correlative factors in the selection of interbody fusion cage height in transforaminal lumbar interbody fusion. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 9.	1.9	12
25	Trans-synaptic degeneration of motoneurons distal to chronic cervical spinal cord compression in cervical spondylotic myelopathy. <i>International Journal of Neuroscience</i> , 2017, 127, 988-995.	1.6	12
26	Evaluation of a Porous Bioabsorbable Interbody Mg-Zn Alloy Cage in a Goat Cervical Spine Model. <i>BioMed Research International</i> , 2018, 2018, 1-10.	1.9	12
27	Bioabsorbable high-purity magnesium interbody cage: degradation, interbody fusion, and biocompatibility from a goat cervical spine model. <i>Annals of Translational Medicine</i> , 2020, 8, 1054-1054.	1.7	12
28	The Quantitative Assessment of Imaging Features for the Study of Hirayama Disease Progression. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	11
29	Dynamic Cervical Radiographs in Patients with Hirayama Disease: An Unneglectable Factor on the Choice of Surgery Options. <i>World Neurosurgery</i> , 2018, 114, e433-e440.	1.3	11
30	Radiographic Study of Lumbar Sympathetic Trunk in Oblique Lateral Interbody Fusion Surgery. <i>World Neurosurgery</i> , 2018, 116, e380-e385.	1.3	11
31	Quantitative analysis of near-implant magnesium accumulation for a Si-containing coated AZ31 cage from a goat cervical spine fusion model. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 105.	1.9	11
32	Early Surgical Decompression Ameliorates Dysfunction of Spinal Motor Neuron in Patients With Acute Traumatic Central Cord Syndrome. <i>Spine</i> , 2020, 45, E829-E838.	2.0	11
33	Roles of circular RNAs in the pathogenesis of intervertebral disc degeneration (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1221.	1.8	10
34	A double determination of central motor conduction time in the assessment of Hirayama disease. <i>Clinical Neurophysiology</i> , 2017, 128, 2369-2374.	1.5	9
35	Length of Lumbar Interbody Cage Using Radiological Measurements of Chinese Endplates and the Apophyseal Ring. <i>World Neurosurgery</i> , 2018, 116, e1204-e1213.	1.3	8
36	Cyclic pulsation stress promotes bone formation of tissue engineered laminae through the F-actin/YAP-1/ $\beta$ 2-Catenin signaling axis. <i>Npj Regenerative Medicine</i> , 2021, 6, 51.	5.2	8

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37	Interobserver and Intraobserver Reproducibility and Reliability of the Huashan Clinical Classification System for Hirayama Disease. <i>Frontiers in Neurology</i> , 2021, 12, 779438.	2.4	8
38	Carbohydrate sulfotransferase 3 (CHST3) overexpression promotes cartilage endplate-derived stem cells (CESCs) to regulate molecular mechanisms related to repair of intervertebral disc degeneration by rat nucleus pulposus. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 6006-6017.	3.6	7
39	Ecto-5'-nucleotidase (CD73) inhibits dorsal root ganglion neuronal apoptosis by promoting the Ado/cAMP/PKA/CREB pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1374.	1.8	7
40	How to reconstruct the lordosis of cervical spine in patients with Hirayama disease? A finite element analysis of biomechanical changes focusing on adjacent segments after anterior cervical discectomy and fusion. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 101.	2.3	7
41	Quantitative assessment of motor impairment and surgical outcome in Hirayama disease with proximal involvement using motor unit number index. <i>Neurophysiologie Clinique</i> , 2021, 51, 375-386.	2.2	6
42	Two Case Reports and an Updated Review of Spinal Intraosseous Schwannoma. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 478.	1.2	6
43	Changes in the soleus H-reflex test and correlations between its results and dynamic magnetic resonance imaging abnormalities in patients with Hirayama disease. <i>Clinical Neurophysiology</i> , 2017, 128, 2375-2381.	1.5	5
44	Radiologic Analysis of Kinematic Characteristics of Modic Changes Based on Lumbar Disc Degeneration Grade. <i>World Neurosurgery</i> , 2018, 114, e851-e856.	1.3	5
45	F-waves of peroneal and tibial nerves in the differential diagnosis and follow-up evaluation of L5 and S1 radiculopathies. <i>European Spine Journal</i> , 2018, 27, 1734-1743.	2.2	5
46	Motor unit number index (MUNIX) in the quantitative assessment of severity and surgical outcome in cervical spondylotic amyotrophy. <i>Clinical Neurophysiology</i> , 2019, 130, 1465-1473.	1.5	5
47	Cerebrospinal Fluid Pulsation Stress Promotes the Angiogenesis of Tissue-Engineered Laminae. <i>Stem Cells International</i> , 2020, 2020, 1-12.	2.5	5
48	Motor unit number index in quantitatively assessing motor root lesions and monitoring treatment outcomes in patients with lumbosacral radiculopathy. <i>Muscle and Nerve</i> , 2020, 61, 759-766.	2.2	5
49	Preoperative electrophysiologic assessment of C5-innervated muscles in predicting C5 palsy after posterior cervical decompression. <i>European Spine Journal</i> , 2021, 30, 1681-1688.	2.2	5
50	The Short-Term to Midterm Follow-Up of Patients with Hirayama Disease After Anterior Cervical Discectomy and Fusion. <i>World Neurosurgery</i> , 2021, 150, e705-e713.	1.3	5
51	Association between Roussouly classification and characteristics of lumbar degeneration. <i>World Neurosurgery</i> , 2022, , .	1.3	5
52	The value of applying a melatonin antagonist (Luzindole) in improving the success rate of the bipedal rat scoliosis model. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 137.	1.9	4
53	The Pathology of Type II Modic Changes: Fat Deposition or Osteosclerosis? A Study Using CT Scan. <i>BioMed Research International</i> , 2018, 2018, 1-6.	1.9	4
54	Comparative analysis of mesenchymal stromal cells derived from rabbit bone marrow and Wharton's jelly for adipose tissue engineering. <i>Connective Tissue Research</i> , 2020, 61, 537-545.	2.3	4

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55	Comparison of Intraoperative Neuromonitoring Outcome in Treating Thoracic Ossification of the Ligamentum Flavum Through En Bloc Versus Piecemeal Laminectomy. <i>Spine</i> , 2021, 46, 1197-1205.	2.0	4
56	Wnt/ $\beta$ 2-Catenin Pathway Balances Scaffold Degradation and Bone Formation in Tissue-Engineered Laminae. <i>Stem Cells International</i> , 2021, 2021, 1-7.	2.5	4
57	A study of screw placement to obtain the optimal pull-out resistance of lumbar pedicle screws—analysis of Hounsfield units measurements based on computed tomography. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 124.	1.9	4
58	Altered motor axonal excitability in patients with cervical spondylotic amyotrophy. <i>Clinical Neurophysiology</i> , 2018, 129, 1383-1389.	1.5	3
59	Adjacent Intervertebral Disk Height Decrease Phenomenon After Single-Level Transforaminal Lumbar Interbody Fusion of the Lumbar Spine. <i>World Neurosurgery</i> , 2019, 128, e308-e314.	1.3	3
60	Changes in Central Motor Conduction Time and Its Implication on Dysfunction of Distal Upper Limb in Distal-Type Cervical Spondylotic Amyotrophy. <i>Journal of Clinical Neurophysiology</i> , 2019, 36, 52-59.	1.7	3
61	Motor-evoked potentials in the intraoperative decision-making of circumferential decompression via posterior approach for treating thoracic posterior longitudinal ligament ossification. <i>Spine Journal</i> , 2021, 21, 1168-1175.	1.3	2
62	Early surgery improves peripheral motor axonal dysfunction in acute traumatic central cord syndrome: A prospective cohort study. <i>Clinical Neurophysiology</i> , 2021, 132, 1398-1406.	1.5	2
63	Enterobacter cloacae infection after anterior cervical decompression and fusion: case study and literature review. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 3438-46.	1.3	0