

Yukiyo Shimizu

List of Publications by Year in descending order

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Version: 2024-02-01

201
papers

1,793
citations

430442

18
h-index

433756

31
g-index

208
all docs

208
docs citations

208
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	An Analysis of Factors Causing Poor Surgical Outcome in Patients With Cervical Myelopathy Due to Ossification of the Posterior Longitudinal Ligament. <i>Journal of Spinal Disorders and Techniques</i> , 2007, 20, 7-13.	1.8	152
2	Posterior decompression with instrumented fusion for thoracic myelopathy caused by ossification of the posterior longitudinal ligament. <i>European Spine Journal</i> , 2010, 19, 691-698.	1.0	72
3	Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament. <i>Spine</i> , 2018, 43, E1389-E1397.	1.0	64
4	Percutaneous autologous concentrated bone marrow grafting in the treatment for nonunion. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014, 24, 671-678.	0.6	39
5	The hybrid assisted limb (HAL) for Care Support, a motion assisting robot providing exoskeletal lumbar support, can potentially reduce lumbar load in repetitive snow-shoveling movements. <i>Journal of Clinical Neuroscience</i> , 2018, 49, 83-86.	0.8	39
6	The hybrid assistive limb (HAL) for Care Support successfully reduced lumbar load in repetitive lifting movements. <i>Journal of Clinical Neuroscience</i> , 2018, 53, 276-279.	0.8	38
7	Follow-Up Results of 10-12 Years After Total Hip Arthroplasty Using Cementless Tapered Stem - Frequency of Severe Stress Shielding With Synergy Stem in Japanese Patients. <i>Journal of Arthroplasty</i> , 2013, 28, 1736-1740.	1.5	37
8	Prevalence and Distribution of Diffuse Idiopathic Skeletal Hyperostosis on Whole-spine Computed Tomography in Patients With Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2018, 31, E460-E465.	0.7	37
9	Decrease of spasticity after hybrid assistive limb training for a patient with C4 quadriplegia due to chronic SCI. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 573-578.	0.7	34
10	A systematic review and meta-analysis comparing anterior decompression with fusion and posterior laminoplasty for cervical ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Science</i> , 2020, 25, 58-65.	0.5	31
11	Use of Bioelectrical Impedance Analysis for the Measurement of Appendicular Skeletal Muscle Mass/Whole Fat Mass and Its Relevance in Assessing Osteoporosis among Patients with Low Back Pain: A Comparative Analysis Using Dual X-ray Absorptiometry. <i>Asian Spine Journal</i> , 2018, 12, 839-845.	0.8	30
12	Voluntary Ambulation by Upper Limb-Triggered HAL in Patients with Complete Quadri/Paraplegia Due to Chronic Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2017, 11, 649.	1.4	28
13	Distribution of ossified spinal lesions in patients with severe ossification of the posterior longitudinal ligament and prediction of ossification at each segment based on the cervical OP index classification: a multicenter study (JOSL CT study). <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 107.	0.8	26
14	Initial hospitalization with rigorous bed rest followed by bracing and rehabilitation as an option of conservative treatment for osteoporotic vertebral fractures in elderly patients: a pilot one arm safety and feasibility study. <i>Archives of Osteoporosis</i> , 2018, 13, 134.	1.0	24
15	Effects of Nintendo Ring Fit Adventure Exergame on Pain and Psychological Factors in Patients with Chronic Low Back Pain. <i>Games for Health Journal</i> , 2021, 10, 158-164.	1.1	24
16	Hybrid assistive limb (HAL) treatment for patients with severe thoracic myelopathy due to ossification of the posterior longitudinal ligament (OPLL) in the postoperative acute/subacute phase: A clinical trial. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 517-525.	0.7	22
17	Intensive Gait Treatment Using a Robot Suit Hybrid Assistive Limb in Acute Spinal Cord Infarction: Report of Two Cases. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 395-401.	0.7	22
18	Outcomes of Surgery for Thoracic Myelopathy Owing to Thoracic Ossification of The Ligamentum Flavum in a Nationwide Multicenter Prospectively Collected Study in 223 Patients. <i>Spine</i> , 2020, 45, E170-E178.	1.0	21

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19	Muscle Synergies During Repetitive Stoop Lifting With a Bioelectrically-Controlled Lumbar Support Exoskeleton. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 142.	1.0	20
20	Successful Use of the Hybrid Assistive Limb for Care Support to Reduce Lumbar Load in a Simulated Patient Transfer. <i>Asian Spine Journal</i> , 2021, 15, 40-45.	0.8	20
21	A survey of deep tissue injury in elite female wheelchair basketball players. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2017, 30, 427-434.	0.4	19
22	Unilateral laminectomy for bilateral decompression improves low back pain while standing equally on both sides in patients with lumbar canal stenosis: analysis using a detailed visual analogue scale. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 100.	0.8	19
23	Active elbow flexion is possible in C4 quadriplegia using hybrid assistive limb (HAL [®]) technology: A case study. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 456-462.	0.7	18
24	Voluntary Elbow Extension-Flexion Using Single Joint Hybrid Assistive Limb (HAL) for Patients of Spastic Cerebral Palsy: Two Cases Report. <i>Frontiers in Neurology</i> , 2019, 10, 2.	1.1	18
25	Reduced leg muscle mass and lower grip strength in women are associated with osteoporotic vertebral compression fractures. <i>Archives of Osteoporosis</i> , 2019, 14, 112.	1.0	18
26	Correlates of shoulder pain in wheelchair basketball players from the Japanese national team: A cross-sectional study. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2016, 29, 795-800.	0.4	17
27	Reshaping of Gait Coordination by Robotic Intervention in Myelopathy Patients After Surgery. <i>Frontiers in Neuroscience</i> , 2018, 12, 99.	1.4	17
28	Feasibility and safety of Robot Suit HAL treatment for adolescents and adults with cerebral palsy. <i>Journal of Clinical Neuroscience</i> , 2019, 68, 101-104.	0.8	17
29	Walking ability following hybrid assistive limb treatment for a patient with chronic myelopathy after surgery for cervical ossification of the posterior longitudinal ligament. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 128-136.	0.7	17
30	Thoracic kyphosis and pelvic anteversion in patients with adult spinal deformity increase while walking: analyses of dynamic alignment change using a three-dimensional gait motion analysis system. <i>European Spine Journal</i> , 2020, 29, 840-848.	1.0	17
31	Application of a newly developed upper limb single-joint hybrid assistive limb for postoperative C5 paralysis: An initial case report indicating its safety and feasibility. <i>Journal of Clinical Neuroscience</i> , 2018, 50, 268-271.	0.8	16
32	Use of Hybrid Assistive Limb (HAL [®]) for a postoperative patient with cerebral palsy: a case report. <i>BMC Research Notes</i> , 2018, 11, 201.	0.6	16
33	The Hybrid Assistive Limb [®] intervention for a postoperative patient with spinal dural arteriovenous fistula and chronic spinal cord injury: A case study. <i>Journal of Spinal Cord Medicine</i> , 2018, 41, 710-717.	0.7	15
34	Implant failure of pedicle screws in long-segment posterior cervical fusion is likely to occur at C7 and is avoidable by concomitant C6 or T1 buttress pedicle screws. <i>Journal of Clinical Neuroscience</i> , 2019, 63, 106-109.	0.8	15
35	Influence of Functional Classification on Skill Tests in Elite Female Wheelchair Basketball Athletes. <i>Medicina (Lithuania)</i> , 2019, 55, 740.	0.8	15
36	Dual-Energy X-ray Absorptiometry and Bioelectrical Impedance Analysis are Beneficial Tools for Measuring the Trunk Muscle Mass of Patients with Low Back Pain. <i>Spine Surgery and Related Research</i> , 2019, 3, 335-341.	0.4	15

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37	Characteristics of relief and residual low back pain after discectomy in patients with lumbar disc herniation: analysis using a detailed visual analog scale. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 167.	0.8	15
38	A novel exercise device for venous thromboembolism prophylaxis improves venous flow in bed versus ankle movement exercises in healthy volunteers. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901773947.	0.4	14
39	Postoperative K-line conversion from negative to positive is independently associated with a better surgical outcome after posterior decompression with instrumented fusion for K-line negative cervical ossification of the posterior ligament. <i>European Spine Journal</i> , 2018, 27, 1393-1400.	1.0	14
40	Mid-term results of concentrated autologous bone marrow aspirate transplantation for corticosteroid-associated osteonecrosis of the femoral head in systemic lupus erythematosus. <i>International Orthopaedics</i> , 2018, 42, 1623-1630.	0.9	14
41	Age-dependent changes in dynamic standing-balance ability evaluated quantitatively using a stabilometer. <i>Journal of Physical Therapy Science</i> , 2018, 30, 86-91.	0.2	14
42	Robotic rehabilitation training with a newly developed upper limb single-joint Hybrid Assistive Limb (HAL-SJ) for elbow flexor reconstruction after brachial plexus injury: A report of two cases. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901877788.	0.4	14
43	Angiogenesis and new bone formation in novel unidirectional porous beta-tricalcium phosphate: a histological study. <i>Journal of Artificial Organs</i> , 2019, 22, 294-299.	0.4	13
44	The 25-question Geriatric Locomotive Function Scale predicts the risk of recurrent falls in postoperative patients with cervical myelopathy. <i>Journal of Orthopaedic Science</i> , 2018, 23, 185-189.	0.5	12
45	Unidirectional porous β -tricalcium phosphate induces bony fusion in lateral lumbar interbody fusion. <i>Journal of Clinical Neuroscience</i> , 2019, 59, 232-235.	0.8	12
46	Japanese Orthopaedic Association (JOA) clinical practice guidelines on the management of ossification of the spinal ligament, 2019. <i>Journal of Orthopaedic Science</i> , 2021, 26, 1-45.	0.5	12
47	A newly developed upper limb single-joint HAL in a patient with elbow flexion reconstruction after traumatic brachial plexus injury: A case report. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2017, 10, 66-68.	0.2	11
48	Correlation between sleep and psychological mood states in female wheelchair basketball players on a Japanese national team. <i>Journal of Physical Therapy Science</i> , 2017, 29, 1497-1501.	0.2	11
49	Regenos spacers are not suitable for open-door laminoplasty because of serious adverse events caused by their insufficient mechanical strength. <i>Journal of Clinical Neuroscience</i> , 2018, 56, 50-55.	0.8	11
50	Clinical characteristics in patients with ossification of the posterior longitudinal ligament: A prospective multi-institutional cross-sectional study. <i>Scientific Reports</i> , 2020, 10, 5532.	1.6	11
51	Technical and Conceptual Review on the L5-S1 Oblique Lateral Interbody Fusion Surgery (OLIF51). <i>Spine Surgery and Related Research</i> , 2021, 5, 1-9.	0.4	11
52	Machine Learning Approach in Predicting Clinically Significant Improvements After Surgery in Patients with Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 1683-1689.	1.0	11
53	The 21- to 27-year results of the Harris-Galante cementless total hip arthroplasty. <i>Journal of Orthopaedic Science</i> , 2016, 21, 342-347.	0.5	10
54	Bone bonding, displacement, and absorption in cases of double-door laminoplasty with unidirectional porous hydroxyapatite spacers. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 46-52.	0.8	10

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55	Successful visualization of dynamic change of lumbar nerve root compression with the patient in both upright and prone positions using dynamic digital tomosynthesis-radiculography in patients with lumbar foraminal stenosis: An initial report of three cases. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 256-259.	0.8	10
56	Muscular Activity Modulation During Post-operative Walking With Hybrid Assistive Limb (HAL) in a Patient With Thoracic Myelopathy Due to Ossification of Posterior Longitudinal Ligament: A Case Report. <i>Frontiers in Neurology</i> , 2020, 11, 102.	1.1	10
57	Exercise training using hybrid assistive limb (HAL) lumbar type for locomotive syndrome: a pilot study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 533.	0.8	10
58	The fatty degeneration of the lumbar erector spinae muscles affects dynamic spinal compensation ability during gait in adult spinal deformity. <i>Scientific Reports</i> , 2021, 11, 18088.	1.6	10
59	Factors associated with deep tissue injury in male wheelchair basketball players of a Japanese national team. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2014, 1, 72-76.	0.4	9
60	Gait training using a hybrid assistive limb (HAL) attenuates head drop: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 141-144.	0.8	9
61	Surgical Repair of Acetabular Fracture Using Unidirectional Porous β -Tricalcium Phosphate. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-4.	0.1	9
62	Post-Operative Spinal Epidural Hematoma after Thoracic and Lumbar Spinous Process-Splitting Laminectomy for Thoracic and Lumbar Spinal Stenosis. <i>Spine Surgery and Related Research</i> , 2019, 3, 244-248.	0.4	9
63	Effects of Gait Treatment With a Single-Leg Hybrid Assistive Limb System After Acute Stroke: A Non-randomized Clinical Trial. <i>Frontiers in Neuroscience</i> , 2019, 13, 1389.	1.4	9
64	Development of a New Ankle Joint Hybrid Assistive Limb. <i>Medicina (Lithuania)</i> , 2022, 58, 395.	0.8	9
65	The use of a novel in-bed active Leg Exercise Apparatus (LEX) for increasing venous blood flow. <i>Journal of Rural Medicine: JRM</i> , 2016, 11, 11-16.	0.2	8
66	Shoulder motion assistance using a single-joint Hybrid Assistive Limb robot: Evaluation of its safety and validity in healthy adults. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901772795.	0.4	8
67	Predicting Risk Factors of Total Hip Arthroplasty Conversion after Concentrated Autologous Bone Marrow Aspirate Transplantation for the Treatment of Idiopathic Osteonecrosis of the Femoral Head: A Retrospective Review of 213 Hips at a Mean Follow-up of 5 Years. <i>The Journal of Hip Surgery</i> , 2017, 01, 007-013.	0.1	8
68	Effect of inpatient rehabilitation on activities of daily living in pediatric cancer patients in Japan. <i>International Journal of Rehabilitation Research</i> , 2018, 41, 146-151.	0.7	8
69	Intradural metastasis to the cauda equina found as the initial presentation of breast cancer: a case report. <i>Journal of Medical Case Reports</i> , 2019, 13, 220.	0.4	8
70	Investigation of the Female Athlete Triad in Japanese Elite Wheelchair Basketball Players. <i>Medicina (Lithuania)</i> , 2020, 56, 10.	0.8	8
71	Dropped Head Syndrome Attenuation by Hybrid Assistive Limb: A Preliminary Study of Three Cases on Cervical Alignment during Walking. <i>Medicina (Lithuania)</i> , 2020, 56, 291.	0.8	8
72	Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 339-346.	0.8	8

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73	Vertebral fracture after removing pedicle screws used for posterior lumbar interbody fusion: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 57, 182-184.	0.8	7
74	Methotrexate-related lymphoproliferative disorder of the lumbar spine origin presenting with severe low-back pain: case report. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 545-548.	0.9	7
75	A unidirectional porous beta-tricalcium phosphate material (Affinos [®]) for reconstruction of bony defects after excision of fibular bone for spinal surgery graft. <i>Journal of Clinical Neuroscience</i> , 2019, 66, 71-76.	0.8	7
76	Longitudinal diffusion tensor imaging of patients with degenerative cervical myelopathy following decompression surgery. <i>Journal of Clinical Neuroscience</i> , 2020, 74, 194-198.	0.8	7
77	Shoulder training using shoulder assistive robot in a patient with shoulder elevation dysfunction: A case report. <i>Journal of Orthopaedic Science</i> , 2022, 27, 1154-1158.	0.5	7
78	Factors associated with failure of bony union after conservative treatment of acute cases of unilateral lumbar spondylolysis. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 75.	0.8	7
79	Continuous local antibiotic perfusion for patients with surgical site infection after instrumented spinal surgery; a novel technique to retain the implants. <i>Journal of Clinical Neuroscience</i> , 2021, 93, 70-74.	0.8	7
80	Bone union—promoting effect of romosozumab in a rat posterolateral lumbar fusion model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2576-2585.	1.2	7
81	Delayed Granulocyte Colony-Stimulating Factor Treatment in Rats Attenuates Mechanical Allodynia Induced by Chronic Constriction Injury of the Sciatic Nerve. <i>Spine</i> , 2014, 39, 192-197.	1.0	6
82	Three-dimensional gait analysis reveals dynamic alignment change in a patient with dropped head syndrome: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 48, 106-108.	0.8	6
83	Successful detection of postoperative improvement of dynamic sagittal balance with a newly developed three-dimensional gait motion analysis system in a patient with iatrogenic flatback syndrome: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 53, 241-243.	0.8	6
84	Simultaneous MR neurography and apparent T2 mapping of cervical nerve roots before microendoscopic surgery to treat patient with radiculopathy due to cervical disc herniation: Preliminary results. <i>Journal of Clinical Neuroscience</i> , 2020, 74, 213-219.	0.8	6
85	Analysis of Gait Motion Changes by Intervention Using Robot Suit Hybrid Assistive Limb (HAL) in Myelopathy Patients After Decompression Surgery for Ossification of Posterior Longitudinal Ligament. <i>Frontiers in Neurorobotics</i> , 2021, 15, 650118.	1.6	6
86	Hybrid Assistive Limb Functional Treatment for a Patient with Chronic Incomplete Cervical Spinal Cord Injury. <i>International Medical Case Reports Journal</i> , 2021, Volume 14, 413-420.	0.3	6
87	Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. <i>Scientific Reports</i> , 2022, 12, 748.	1.6	6
88	An Exoskeleton Brake Unit for Children with Crouch Gait Supporting the Knee Joint During Stance. , 2018, , .		5
89	Surgical treatment for dropped head syndrome with cervical spondylotic amyotrophy: a case report. <i>BMC Research Notes</i> , 2018, 11, 500.	0.6	5
90	Diffusion tensor tractography of the lumbar nerves before a direct lateral transpsoas approach to treat degenerative lumbar scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 461-469.	0.9	5

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91	Japanese adaptation of the Bad Sobernheim Stress Questionnaire—Brace for patients with adolescent idiopathic scoliosis. <i>Journal of Orthopaedic Science</i> , 2019, 24, 1010-1014.	0.5	5
92	Pilot study of oblique lumbar interbody fusion using mobile percutaneous pedicle screw and validation by a three-dimensional finite element assessment. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 74-80.	0.8	5
93	Severe, rigid cervical kyphotic deformity associated with SAPHO syndrome successfully treated with three-stage correction surgery combined with C7 vertebral column resection: a technical case report. <i>Spine Deformity</i> , 2021, 9, 285-292.	0.7	5
94	Percutaneously-quantified advanced glycation end-products (AGEs) accumulation associates with low back pain and lower extremity symptoms in middle-aged low back pain patients. <i>Journal of Clinical Neuroscience</i> , 2021, 84, 15-22.	0.8	5
95	Prospective Investigation of Postoperative Complications in Anterior Decompression with Fusion for Severe Cervical Ossification of the Posterior Longitudinal Ligament. <i>Spine</i> , 2021, 46, 1621-1629.	1.0	5
96	Automated detection of cervical ossification of the posterior longitudinal ligament in plain lateral radiographs of the cervical spine using a convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 12702.	1.6	5
97	A novel unidirectional porous β -tricalcium phosphate grafting for vertebral fracture in the elderly: preliminary case series. <i>Journal of Rural Medicine: JRM</i> , 2019, 14, 211-215.	0.2	5
98	Soft-tissue release for hip subluxation and dislocation in cerebral palsy. <i>Journal of Rural Medicine: JRM</i> , 2017, 12, 120-125.	0.2	4
99	Quantitative assessment of mesenchymal stem cells contained in concentrated autologous bone marrow aspirate transplantation for the treatment of osteonecrosis of the femoral head: predictive factors and differences by etiology. <i>BMC Research Notes</i> , 2018, 11, 848.	0.6	4
100	Visualization of walking speed variation-induced synchronized dynamic changes in lower limb joint angles and activity of trunk and lower limb muscles with a newly developed gait analysis system. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901880668.	0.4	4
101	Hybrid Assistive Limb Intervention in a Patient with Late Neurological Deterioration after Thoracic Myelopathy Surgery due to Ossification of the Ligamentum Flavum. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-10.	0.1	4
102	Serum oxidative stress influences neurological recovery after surgery to treat acutely worsening symptoms of compression myelopathy: a cross-sectional human study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 589.	0.8	4
103	Voluntary ambulation using voluntary upper limb muscle activity and Hybrid Assistive Limb® (HAL®) in a patient with complete paraplegia due to chronic spinal cord injury: A case report. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 460-468.	0.7	4
104	The characteristics of the patients with radiologically severe cervical ossification of the posterior longitudinal ligament of the spine: A CT-based multicenter cross-sectional study. <i>Journal of Orthopaedic Science</i> , 2020, 25, 746-750.	0.5	4
105	Segmental motion at the peak of the ossification foci is independent risk factor except for mal-alignment and thick ossification foci for poor outcome after laminoplasty for cervical ossification of the posterior longitudinal ligament: analyses in patients with positive K-line, lordotic alignment, and lower canal occupying ratio. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 487.	0.9	4
106	Posterolateral lumbar spine fusion with unidirectional porous beta-tricalcium phosphate in a canine model. <i>Journal of Artificial Organs</i> , 2020, 23, 365-370.	0.4	4
107	Characteristic MRI findings of shoulder, elbow, and wrist joints in wheelchair user. <i>Skeletal Radiology</i> , 2021, 50, 171-178.	1.2	4
108	Rehabilitation training using a single-joint type hybrid assistive limb for the knee after anterior cruciate ligament reconstruction: an initial case report indicating safety and feasibility. <i>Journal of Physical Therapy Science</i> , 2021, 33, 84-88.	0.2	4

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109	Characteristic imaging findings predicting the risk of conservative treatment resistance in fresh osteoporotic vertebral fractures with poor prognostic features on magnetic resonance imaging. <i>Journal of Orthopaedic Science</i> , 2022, 27, 330-334.	0.5	4
110	Associations between wheelchair user's shoulder pain index and tendinitis in the long head of the biceps tendon among female wheelchair basketball players from the Japanese national team. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2021, 24, 29-34.	0.4	4
111	Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , 2021, 11, 8227.	1.6	4
112	Efficacy and Safety Study of Wearable Cyborg HAL (Hybrid Assistive Limb) in Hemiplegic Patients With Acute Stroke (EARLY GAIT Study): Protocols for a Randomized Controlled Trial. <i>Frontiers in Neuroscience</i> , 2021, 15, 666562.	1.4	4
113	Robotic Shoulder Rehabilitation With the Hybrid Assistive Limb in a Patient With Delayed Recovery After Postoperative C5 Palsy: A Case Report. <i>Frontiers in Neurology</i> , 2021, 12, 676352.	1.1	4
114	Associations between Clinical Findings and Severity of Diffuse Idiopathic Skeletal Hyperostosis in Patients with Ossification of the Posterior Longitudinal Ligament. <i>Journal of Clinical Medicine</i> , 2021, 10, 4137.	1.0	4
115	Thoracic myelopathy caused by calcification of the ligamentum flavum. <i>Journal of Rural Medicine: JRM</i> , 2020, 15, 65-67.	0.2	4
116	Bone Healing in Adolescents with Bilateral L5 Spondylolysis with and without Preexisting Contralateral Terminal Spondylolysis. <i>Asian Spine Journal</i> , 2021, 15, 747-752.	0.8	4
117	Dropped Head Syndrome Treated with Physical Therapy Based on the Concept of Athletic Rehabilitation. <i>Case Reports in Orthopedics</i> , 2020, 2020, 1-8.	0.1	4
118	A novel apparatus for active leg exercise improves venous flow in the lower extremity. <i>Journal of Sports Medicine and Physical Fitness</i> , 2016, 56, 1592-1597.	0.4	4
119	Surgical Apgar Score and Controlling Nutritional Status Score are significant predictors of major complications after cervical spine surgery. <i>Scientific Reports</i> , 2022, 12, 6605.	1.6	4
120	Proposal of bioinstrumentation using flex sensor for amputated upper limb. , 2014, 2014, 1218-21.		3
121	Muscle activity in the lower limbs during push-down movement with a new active-exercise apparatus for the leg. <i>Journal of Physical Therapy Science</i> , 2016, 28, 1050-1054.	0.2	3
122	Relationship between somatosensory event-related potential N140 aberrations and hemispatial agnosia in patients with stroke: a preliminary study. <i>International Journal of Neuroscience</i> , 2018, 128, 487-494.	0.8	3
123	Comparison of sleep status among three Japanese national wheelchair basketball teams. <i>Journal of Physical Therapy Science</i> , 2018, 30, 63-66.	0.2	3
124	Effects of teriparatide on bone formation in novel unidirectional porous beta-tricalcium phosphate. <i>Journal of Biomaterials Applications</i> , 2019, 34, 721-727.	1.2	3
125	Percutaneous endoscopic discectomy might be effective in selected cases of pyogenic spondylitis. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901988544.	0.4	3
126	Cauda equina schwannoma with concomitant intervertebral disc herniation: A case report and review of literature. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 229-231.	0.8	3

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127	Dynamic digital tomosynthesis-radiculography is useful for diagnosis of lumbar foraminal stenosis at an adjacent level after lumbar fusion surgery: A case report. <i>Journal of Clinical Neuroscience</i> , 2019, 65, 148-150.	0.8	3
128	What factor induces stress in patients with AIS under brace treatment? Analysis of a specific factor using exploratory factor analysis. <i>Journal of Orthopaedic Science</i> , 2021, 26, 999-1003.	0.5	3
129	Accidental anterior longitudinal ligament rupture during lateral lumbar interbody fusion disclosed after posterior corrective fusion surgery resulting in local hyper-lordosis. <i>Journal of Rural Medicine: JRM</i> , 2021, 16, 111-114.	0.2	3
130	Time-Course Changes in Bone Metabolism Markers and Density in Patients with Osteoporosis Treated with Romosozumab: A Multicenter Retrospective Study. <i>Yonsei Medical Journal</i> , 2021, 62, 829.	0.9	3
131	Correlation between osteoarthritis of the atlantoaxial facet joint and a high-riding vertebral artery. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 406.	0.8	3
132	Adjustment effect during shoulder abduction training with the Hybrid Assistive Limb in a patient with postoperative C5 palsy. <i>Journal of Clinical Neuroscience</i> , 2021, 88, 197-204.	0.8	3
133	The impact of diabetes mellitus on spinal fracture with diffuse idiopathic skeletal hyperostosis: A multicenter retrospective study. <i>Journal of Orthopaedic Science</i> , 2022, 27, 582-587.	0.5	3
134	The impact of ossification spread on cervical spine function in patients with ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 14337.	1.6	3
135	Sigma 1 receptor agonist cutamesine promotes plasticity of serotonergic boutons in lumbar enlargement in spinal cord injured rats. <i>Neuroscience Letters</i> , 2021, 759, 135971.	1.0	3
136	Conservative treatment for lumbar spondylolysis in children of elementary school age. <i>Journal of Clinical Neuroscience</i> , 2021, 92, 197-202.	0.8	3
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