

Yukiyo Shimizu

List of Publications by Year in descending order

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Version: 2024-02-01

201
papers

1,793
citations

430874

18
h-index

434195

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. | 1.9 | 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. | 2.2 | 72 |
| 3 | Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament. <i>Spine</i> , 2018, 43, E1389-E1397. | 2.0 | 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. | 1.4 | 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. | 1.5 | 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. | 1.5 | 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. | 3.1 | 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. | 1.3 | 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. | 1.4 | 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. | 1.1 | 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. | 2.0 | 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. | 2.8 | 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. | 1.9 | 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. | 2.4 | 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. | 2.0 | 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. | 1.4 | 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. | 1.4 | 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. | 2.0 | 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. | 2.0 | 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. | 2.0 | 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. | 1.1 | 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. | 1.9 | 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. | 1.4 | 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. | 2.4 | 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. | 2.4 | 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. | 1.1 | 17 |
| 27 | Reshaping of Gait Coordination by Robotic Intervention in Myelopathy Patients After Surgery. <i>Frontiers in Neuroscience</i> , 2018, 12, 99. | 2.8 | 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. | 1.5 | 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. | 1.4 | 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. | 2.2 | 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. | 1.5 | 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. | 1.4 | 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. | 1.4 | 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. | 1.5 | 15 |
| 35 | Influence of Functional Classification on Skill Tests in Elite Female Wheelchair Basketball Athletes. <i>Medicina (Lithuania)</i> , 2019, 55, 740. | 2.0 | 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. | 0.7 | 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. | 1.9 | 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. | 1.0 | 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. | 2.2 | 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. | 1.9 | 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. | 0.6 | 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. | 1.0 | 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. | 0.9 | 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. | 1.1 | 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. | 1.5 | 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. | 1.1 | 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. | 0.3 | 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. | 0.6 | 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. | 1.5 | 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. | 3.3 | 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. | 0.7 | 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. | 2.0 | 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. | 1.1 | 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. | 1.5 | 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. | 1.5 | 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. | 2.4 | 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. | 1.9 | 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. | 3.3 | 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. | 1.0 | 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. | 1.5 | 9 |
| 61 | Surgical Repair of Acetabular Fracture Using Unidirectional Porous β -Tricalcium Phosphate. <i>Case Reports in Orthopedics</i> , 2019, 2019, 1-4. | 0.3 | 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. | 0.7 | 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. | 2.8 | 9 |
| 64 | Development of a New Ankle Joint Hybrid Assistive Limb. <i>Medicina (Lithuania)</i> , 2022, 58, 395. | 2.0 | 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. | 0.5 | 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. | 1.0 | 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. | 1.3 | 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. | 0.8 | 8 |
| 70 | Investigation of the Female Athlete Triad in Japanese Elite Wheelchair Basketball Players. <i>Medicina (Lithuania)</i> , 2020, 56, 10. | 2.0 | 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. | 2.0 | 8 |
| 72 | Diagnosis of lumbar radiculopathy using simultaneous MR neurography and apparent T2 mapping. <i>Journal of Clinical Neuroscience</i> , 2020, 78, 339-346. | 1.5 | 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. | 1.5 | 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. | 1.7 | 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. | 1.5 | 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. | 1.5 | 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. | 1.1 | 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. | 1.9 | 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. | 1.5 | 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. | 2.3 | 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. | 2.0 | 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. | 1.5 | 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. | 1.5 | 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. | 1.5 | 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. | 2.8 | 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. | 0.8 | 6 |
| 87 | Comparison of laminoplasty and posterior fusion surgery for cervical ossification of posterior longitudinal ligament. <i>Scientific Reports</i> , 2022, 12, 748. | 3.3 | 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. | 1.4 | 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. | 1.7 | 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. | 1.1 | 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. | 1.5 | 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. | 1.5 | 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. | 1.5 | 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. | 2.0 | 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. | 3.3 | 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. | 0.5 | 5 |
| 98 | Soft-tissue release for hip subluxation and dislocation in cerebral palsy. <i>Journal of Rural Medicine: JRM</i> , 2017, 12, 120-125. | 0.5 | 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. | 1.4 | 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. | 1.0 | 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. | 0.3 | 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. | 1.9 | 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. | 1.4 | 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. | 1.1 | 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. | 2.3 | 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. | 0.9 | 4 |
| 107 | Characteristic MRI findings of shoulder, elbow, and wrist joints in wheelchair user. <i>Skeletal Radiology</i> , 2021, 50, 171-178. | 2.0 | 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. | 0.6 | 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. | 1.1 | 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. | 1.0 | 4 |
| 111 | Background factors for chronic low back pain resistant to cognitive behavioral therapy. <i>Scientific Reports</i> , 2021, 11, 8227. | 3.3 | 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. | 2.8 | 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. | 2.4 | 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. | 2.4 | 4 |
| 115 | Thoracic myelopathy caused by calcification of the ligamentum flavum. <i>Journal of Rural Medicine: JRM</i> , 2020, 15, 65-67. | 0.5 | 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. | 2.0 | 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. | 0.3 | 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. | 0.7 | 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. | 3.3 | 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. | 0.6 | 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. | 1.6 | 3 |
| 123 | Comparison of sleep status among three Japanese national wheelchair basketball teams. <i>Journal of Physical Therapy Science</i> , 2018, 30, 63-66. | 0.6 | 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. | 2.4 | 3 |
| 125 | Percutaneous endoscopic discectomy might be effective in selected cases of pyogenic spondylitis. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901988544. | 1.0 | 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. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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. | 1.5 | 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. | 1.1 | 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. | 0.5 | 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. | 2.2 | 3 |
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