

Myung Chul Lee

List of Publications by Year in descending order

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Version: 2024-02-01

226
papers

6,617
citations

76326

40
h-index

85541

71
g-index

233
all docs

233
docs citations

233
times ranked

7923
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-modal plasticity and cochlear implants. <i>Nature</i> , 2001, 409, 149-150.	27.8	575
2	Thermosensitive chitosan-Pluronic hydrogel as an injectable cell delivery carrier for cartilage regeneration. <i>Acta Biomaterialia</i> , 2009, 5, 1956-1965.	8.3	309
3	Usefulness of ¹¹ C-methionine PET in the evaluation of brain lesions that are hypo- or isometabolic on ¹⁸ F-FDG PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 176-182.	6.4	266
4	Vertical Femoral Tunnel Placement Results in Rotational Knee Laxity After Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2007, 23, 771-778.	2.7	241
5	Effects of the controlled-released TGF- β 1 from chitosan microspheres on chondrocytes cultured in a collagen/chitosan/glycosaminoglycan scaffold. <i>Biomaterials</i> , 2004, 25, 4163-4173.	11.4	240
6	Tumor Targeting and Imaging Using Cyclic RGD-PEGylated Gold Nanoparticle Probes with Directly Conjugated Iodine- ¹²⁵ . <i>Small</i> , 2011, 7, 2052-2060.	10.0	173
7	Anterior Cruciate Ligament Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 198-204.	1.5	137
8	Ligament Tissue Engineering Using Synthetic Biodegradable Fiber Scaffolds. <i>Tissue Engineering</i> , 1999, 5, 443-451.	4.6	130
9	Negative Correlation between the Change in Bone Mineral Density and Serum Osteocalcin in Patients with Hyperthyroidism*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1990, 70, 766-770.	3.6	110
10	Is TKA Using Patient-specific Instruments Comparable to Conventional TKA? A Randomized Controlled Study of One System. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 3988-3995.	1.5	99
11	Outcomes of Anatomic Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2016, 44, 2323-2329.	4.2	93
12	Lipiodol solution of a lipophilic agent, ¹⁸⁸ Re-TDD, for the treatment of liver cancer. <i>Nuclear Medicine and Biology</i> , 2001, 28, 197-204.	0.6	85
13	Effects of a Chitosan Scaffold Containing TGF-beta1 Encapsulated Chitosan Microspheres on In Vitro Chondrocyte Culture. <i>Artificial Organs</i> , 2004, 28, 829-839.	1.9	83
14	RGD-Conjugated chitosan-pluronic hydrogels as a cell supported scaffold for articular cartilage regeneration. <i>Macromolecular Research</i> , 2008, 16, 517-523.	2.4	83
15	Synovial Membrane-Derived Mesenchymal Stem Cells Supported by Platelet-Rich Plasma Can Repair Osteochondral Defects in a Rabbit Model. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 1034-1046.	2.7	82
16	Chitosan nano/microfibrous double-layered membrane with rolled-up three-dimensional structures for chondrocyte cultivation. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 595-602.	4.0	78
17	Comparison of anterior and rotatory laxity using navigation between single- and double-bundle ACL reconstruction: prospective randomized trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 752-761.	4.2	76
18	Evaluation of anatomic references for tibial sagittal alignment in total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 373-377.	4.2	74

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19	Stable aluminium fluoride chelates with triazacyclononane derivatives proved by X-ray crystallography and ¹⁸ F-labeling study. <i>Chemical Communications</i> , 2011, 47, 9732.	4.1	69
20	Anterior Cruciate Ligament Reconstruction with Use of Autologous Quadriceps Tendon Graft. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 116-126.	3.0	68
21	Adhesive Force of Chondrocytes to Cartilage. <i>Clinical Orthopaedics and Related Research</i> , 2000, 370, 286-294.	1.5	59
22	Fluorodeoxyglucose positron emission tomography for detection of recurrent or metastatic breast cancer. <i>World Journal of Surgery</i> , 2001, 25, 829-834.	1.6	59
23	Diagnostic Value of Positron Emission Tomography for Detecting Breast Cancer. <i>World Journal of Surgery</i> , 1998, 22, 223-228.	1.6	57
24	Synthesis and Characterization of Nitroimidazole Derivatives for ⁶⁸ Ga-Labeling and Testing in Tumor Xenografted Mice. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6378-6385.	6.4	57
25	Anatomy of the anterior cruciate ligament insertion sites: comparison of plain radiography and three-dimensional computed tomographic imaging to anatomic dissection. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 2297-2305.	4.2	56
26	Regional Cerebral Blood Flow Abnormalities Associated With Apathy and Depression in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2012, 26, 217-224.	1.3	55
27	Synthesis of ⁶⁸ Ga-labeled DOTA-nitroimidazole derivatives and their feasibilities as hypoxia imaging PET tracers. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2176-2181.	3.0	53
28	Development of ^{99m} Tc-neomannosyl human serum albumin (^{99m} Tc-MSA) as a novel receptor binding agent for sentinel lymph node imaging. <i>Nuclear Medicine Communications</i> , 2004, 25, 1211-1217.	1.1	52
29	Posterolateral reconstruction using split achilles tendon allograft. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 1043-1049.	2.7	51
30	Anatomic Single-Bundle ACL Reconstruction Is Possible with Use of the Modified Transtibial Technique. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 664-672.	3.0	51
31	Transfusion after total knee arthroplasty can be predicted using the machine learning algorithm. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1757-1764.	4.2	51
32	Which analgesic mixture is appropriate for periarticular injection after total knee arthroplasty? Prospective, randomized, double-blind study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 838-845.	4.2	50
33	Effects of dehydroepiandrosterone on articular cartilage during the development of osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 2531-2538.	6.7	49
34	Enhanced Proliferation and Chondrogenic Differentiation of Human Synovium-Derived Stem Cells Expanded with Basic Fibroblast Growth Factor. <i>Tissue Engineering - Part A</i> , 2011, 17, 991-1002.	3.1	49
35	Comparison Between Standard and High-Flexion Posterior-Stabilized Rotating-Platform Mobile-Bearing Total Knee Arthroplasties. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 2634-2642.	3.0	48
36	Degradation Behavior of 3D Porous Polydioxanone-b-Polycaprolactone Scaffolds Fabricated Using the Melt-Molding Particulate-Leaching Method. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 225-237.	3.5	48

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37	Dissociation of Working Memory Processing Associated with Native and Second Languages: PET Investigation. <i>NeuroImage</i> , 2002, 15, 879-891.	4.2	47
38	Synovium-Derived Mesenchymal Stem Cells Encapsulated in a Novel Injectable Gel can Repair Osteochondral Defects in a Rabbit Model. <i>Tissue Engineering - Part A</i> , 2012, 18, 2173-2186.	3.1	45
39	Development of ⁶⁸ Ga-labeled mannosylated human serum albumin (MSA) as a lymph node imaging agent for positron emission tomography. <i>Nuclear Medicine and Biology</i> , 2011, 38, 371-379.	0.6	43
40	Syntheses of 2-Nitroimidazole Derivatives Conjugated with 1,4,7-Triazacyclononane- <i>N</i> -Diacetic Acid Labeled with F-18 Using an Aluminum Complex Method for Hypoxia Imaging. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3155-3162.	6.4	42
41	Effects of Knee Osteoarthritis on Hip and Ankle Gait Mechanics. <i>Advances in Orthopedics</i> , 2019, 2019, 1-6.	1.0	41
42	Synthesis and evaluation of macrocyclic amino acid derivatives for tumor imaging by gallium-68 positron emission tomography. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7338-7347.	3.0	38
43	Formulation of ⁶⁸ Ga BAPEN kit for myocardial positron emission tomography imaging and biodistribution study. <i>Nuclear Medicine and Biology</i> , 2010, 37, 149-155.	0.6	38
44	Local BMP-7 release from a PLGA scaffolding-matrix for the repair of osteochondral defects in rabbits. <i>Journal of Controlled Release</i> , 2012, 162, 485-491.	9.9	38
45	Painful Patellar Clunk or Crepitation of Contemporary Knee Prostheses. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1512-1522.	1.5	38
46	F-18-fluorodeoxyglucose positron emission tomography as a presurgical evaluation modality for I-131 scan-negative thyroid carcinoma patients with local recurrence in cervical lymph nodes. <i>Head and Neck</i> , 2001, 23, 94-103.	2.0	37
47	Hypoxic condition enhances chondrogenesis in synovium-derived mesenchymal stem cells. <i>Biomaterials Research</i> , 2018, 22, 28.	6.9	37
48	Efficacy of Systemic Steroid Use Given One Day After Total Knee Arthroplasty for Pain and Nausea: A Randomized Controlled Study. <i>Journal of Arthroplasty</i> , 2020, 35, 69-75.	3.1	36
49	Nanoparticles Modified by Encapsulation of Ligands with a Long Alkyl Chain to Affect Multispecific and Multimodal Imaging. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1462-1470.	5.0	35
50	Epidermal Growth Factor-Releasing Radially Aligned Electrospun Nanofibrous Patches for the Regeneration of Chronic Tympanic Membrane Perforations. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801160.	7.6	35
51	Effect of Serum and Growth Factors on Chondrogenic Differentiation of Synovium-Derived Stromal Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 3401-3415.	3.1	34
52	Real-time in vivo monitoring of viable stem cells implanted on biocompatible scaffolds. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1887-1898.	6.4	33
53	Plain Radiograph Fails to Reflect the Alignment and Advantages of Navigation in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2011, 26, 756-764.	3.1	33
54	Revision total knee arthroplasty with varus-valgus constrained prosthesis versus posterior stabilized prosthesis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 620-628.	4.2	33

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55	Different intraoperative kinematics with comparable clinical outcomes of ultracongruent and posterior stabilized mobile-bearing total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3036-3043.	4.2	33
56	Expression Patterns of Glucose Transporter-1 Gene and Thyroid Specific Genes in Human Papillary Thyroid Carcinoma. <i>Nuclear Medicine and Molecular Imaging</i> , 2014, 48, 91-97.	1.0	32
57	Lower Limb Length Discrepancy After High Tibial Osteotomy. <i>American Journal of Sports Medicine</i> , 2016, 44, 3095-3102.	4.2	32
58	A web-based machine-learning algorithm predicting postoperative acute kidney injury after total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 545-554.	4.2	32
59	Large meniscus extrusion ratio is a poor prognostic factor of conservative treatment for medial meniscus posterior root tear. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 781-786.	4.2	31
60	Cell-Laden Thermosensitive Chitosan Hydrogel Bioinks for 3D Bioprinting Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2455.	2.5	31
61	Simultaneous Bilateral MIS-TKA Results in Faster Functional Recovery. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1449-1453.	1.5	29
62	Sex differences in knee joint loading: Cross-sectional study in geriatric population. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1283-1289.	2.3	29
63	Localization of epileptogenic zones in F-18 FDG brain PET of patients with temporal lobe epilepsy using artificial neural network. <i>IEEE Transactions on Medical Imaging</i> , 2000, 19, 347-355.	8.9	28
64	Efficacy and safety of single injection of cross-linked sodium hyaluronate vs. three injections of high molecular weight sodium hyaluronate for osteoarthritis of the knee: a double-blind, randomized, multi-center, non-inferiority study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 223.	1.9	28
65	The use of bisphosphonates after joint arthroplasty is associated with lower implant revision rate. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2082-2089.	4.2	28
66	Optimal configuration of arthroscopic sliding knots backed up with multiple half-hitches. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2008, 16, 787-793.	4.2	27
67	Anterior cruciate ligament reconstruction with quadriceps tendon-patellar bone allograft: matched case control study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 45.	1.9	27
68	Slow gait speed after bilateral total knee arthroplasty is associated with suboptimal improvement of knee biomechanics. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1671-1680.	4.2	27
69	Homogeneous chitosan-PLGA composite fibrous scaffolds for tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 247-255.	4.0	26
70	Neurogenic Differentiation of Human Dental Pulp Stem Cells on Graphene-Polycaprolactone Hybrid Nanofibers. <i>Nanomaterials</i> , 2018, 8, 554.	4.1	26
71	Discoid Lateral Meniscus in Children. <i>Journal of Pediatric Orthopaedics</i> , 2008, 28, 544-548.	1.2	25
72	Preservation of the posterior cruciate ligament is not helpful in highly conforming mobile-bearing total knee arthroplasty: a randomized controlled study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 2850-2859.	4.2	25

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73	Translation and Validation of the Korean Version of the International Knee Documentation Committee Subjective Knee Form. <i>Knee Surgery and Related Research</i> , 2013, 25, 106-111.	4.2	25
74	Proximal tibial anterior open-wedge oblique osteotomy: A novel technique to correct genu recurvatum. <i>Knee</i> , 2017, 24, 345-353.	1.6	25
75	A machine learning-based diagnostic model associated with knee osteoarthritis severity. <i>Scientific Reports</i> , 2020, 10, 15743.	3.3	25
76	Machine Learning-Based Automatic Classification of Knee Osteoarthritis Severity Using Gait Data and Radiographic Images. <i>IEEE Access</i> , 2020, 8, 120597-120603.	4.2	25
77	Fully three-dimensional OSEM-based image reconstruction for Compton imaging using optimized ordering schemes. <i>Physics in Medicine and Biology</i> , 2010, 55, 5007-5027.	3.0	24
78	Effects of CD14 Macrophages and Proinflammatory Cytokines on Chondrogenesis in Osteoarthritic Synovium-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2014, 20, 2680-2691.	3.1	24
79	Anterior tibial curved cortex is a reliable landmark for tibial rotational alignment in total knee arthroplasty. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 252.	1.9	24
80	3D-Printed Poly(μ -Caprolactone)/Hydroxyapatite Scaffolds Modified with Alkaline Hydrolysis Enhance Osteogenesis In Vitro. <i>Polymers</i> , 2021, 13, 257.	4.5	24
81	Synthesis of novel ^{68}Ga -labeled amino acid derivatives for positron emission tomography of cancer cells. <i>Nuclear Medicine and Biology</i> , 2010, 37, 893-902.	0.6	23
82	Intraoperative Correlation Analysis Between Tunnel Position and Translational and Rotational Stability in Single- and Double-Bundle Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012, 28, 1424-1436.	2.7	23
83	Comparison of the tibiofemoral rotational alignment after mobile and fixed bearing total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 337-345.	4.2	23
84	Rotational alignment of femoral component with different methods in total knee arthroplasty: a randomized, controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 217.	1.9	23
85	Efficacy of antifungal-impregnated cement spacer against chronic fungal periprosthetic joint infections after total knee arthroplasty. <i>Knee</i> , 2018, 25, 631-637.	1.6	23
86	Femoral joint line restoration is a major determinant of postoperative range of motion in revision total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2090-2095.	4.2	23
87	Outcomes of the Different Types of Total Knee Arthroplasty with the Identical Femoral Geometry. <i>Knee Surgery and Related Research</i> , 2012, 24, 214-220.	4.2	23
88	Diagnostic Performance of Three-Phase Bone Scan for Complex Regional Pain Syndrome Type 1 with Optimally Modified Image Criteria. <i>Nuclear Medicine and Molecular Imaging</i> , 2011, 45, 261-267.	1.0	22
89	Effect of the Osteotomy Length on the Change of the Posterior Tibial Slope With a Simple Distraction of the Posterior Gap in the Uni- and Biplanar Open-Wedge High Tibial Osteotomy. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2016, 32, 263-271.	2.7	22
90	The Ideal Location of the Lateral Hinge in Medial Closing Wedge Osteotomy of the Distal Femur: Analysis of Soft Tissue Coverage and Bone Density. <i>American Journal of Sports Medicine</i> , 2019, 47, 2945-2951.	4.2	22

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91	Clinical and Radiological Changes after Microfracture of Knee Chondral Lesions in Middle-Aged Asian Patients. <i>Clinics in Orthopedic Surgery</i> , 2019, 11, 282.	2.2	21
92	Tibial tunnel area changes following arthroscopic anterior cruciate ligament reconstructions with autogenous patellar tendon graft. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2004, 12, 311-6.	4.2	19
93	Open-Wedge High Tibial Osteotomy Using a Protective Cutting System: Technical Advancement for the Accuracy of the Osteotomy and Avoiding Intraoperative Complications. <i>Arthroscopy Techniques</i> , 2016, 5, e7-e10.	1.3	19
94	Effects of pulsing of light on the dentinogenesis of dental pulp stem cells in vitro. <i>Scientific Reports</i> , 2018, 8, 2057.	3.3	19
95	The usefulness of repeated ictal SPET for the localization of epileptogenic zones in intractable epilepsy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 607-614.	6.4	18
96	Surface-modified poly(lactide-co-glycolide) nanospheres for targeted bone imaging with enhanced labeling and delivery of radioisotope. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67A, 751-760.	3.1	18
97	Changes in chondrogenic phenotype and gene expression profiles associated with the in vitro expansion of human synovium-derived cells. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1283-1291.	2.3	18
98	Effect of chondroitinase ABC on adhesion and behavior of synovial membrane-derived mesenchymal stem cells in rabbit partial-thickness chondral defects. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1293-1301.	2.3	18
99	Preservation of remnant with poor synovial coverage has no beneficial effect over remnant sacrifice in anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 2345-2352.	4.2	18
100	Direct Coculture of Human Chondrocytes and Synovium-Derived Stem Cells Enhances In Vitro Chondrogenesis. <i>Cell Journal</i> , 2018, 20, 53-60.	0.2	18
101	Analysis of initial fixation strength of press-fit fixation technique in anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2003, 11, 91-98.	4.2	17
102	Formation and Characterization of Gallium(III) Complexes with Monoamide Derivatives of 1,4,7-Triazacyclononane-1,4,7-triacetic Acid: A Study of the Dependency of Structure on Reaction pH. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5432-5438.	2.0	17
103	Distraction arthrodesis with intramedullary nail and mixed bone grafting after failed infected total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 346-355.	4.2	17
104	Cementing technique affects the rate of femoral component loosening after high flexion total knee arthroplasty. <i>Knee</i> , 2017, 24, 1435-1441.	1.6	17
105	Chitosan/PEI patch releasing EGF and the EGFR gene for the regeneration of the tympanic membrane after perforation. <i>Biomaterials Science</i> , 2018, 6, 364-371.	5.4	17
106	The effect of tumor size on F-18-labeled fluorodeoxyglucose and fluoroerythronitroimidazole uptake in a murine sarcoma model. <i>Annals of Nuclear Medicine</i> , 1999, 13, 303-308.	2.2	16
107	Under-meniscal portal: an alternative portal for an easy access to the medial and lateral menisci. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2009, 17, 1344-1346.	4.2	16
108	Suitability of Metal Block Augmentation for Large Uncontained Bone Defect in Revision Total Knee Arthroplasty (TKA). <i>Journal of Clinical Medicine</i> , 2019, 8, 384.	2.4	16

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109	The effect of platelet-rich plasma on the differentiation of synovium-derived mesenchymal stem cells. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1317-1325.	2.3	15
110	Role of an anatomically contoured plate and metal block for balanced stability between the implant and lateral hinge in open-wedge high-tibial osteotomy. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 911-920.	2.4	15
111	Latent stem cell-stimulating therapy for regeneration of chronic tympanic membrane perforations using IGFBP2-releasing chitosan patch scaffolds. <i>Journal of Biomaterials Applications</i> , 2019, 34, 198-207.	2.4	15
112	The neural correlates of cross-modal interaction in speech perception during a semantic decision task on sentences: A PET study. <i>NeuroImage</i> , 2006, 32, 423-431.	4.2	14
113	Immunogenicity and immunomodulatory effects of the human chondrocytes, hChonJ. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 199.	1.9	14
114	Residual varus alignment after total knee arthroplasty increases knee adduction moment without improving patient function: A propensity score-matched cohort study. <i>Knee</i> , 2019, 26, 737-744.	1.6	14
115	Comparable bone union progression after opening wedge high tibial osteotomy using allogeneous bone chip or tri-calcium phosphate granule: a prospective randomized controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 2945-2950.	4.2	14
116	Meniscus Stiffness Measured with Shear Wave Elastography is Correlated with Meniscus Degeneration. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 297-304.	1.5	14
117	Development of novel gene carrier using modified nano hydroxyapatite derived from equine bone for osteogenic differentiation of dental pulp stem cells. <i>Bioactive Materials</i> , 2021, 6, 2742-2751.	15.6	14
118	Aligned Nanofiber-Guided Bone Regeneration Barrier Incorporated with Equine Bone-Derived Hydroxyapatite for Alveolar Bone Regeneration. <i>Polymers</i> , 2021, 13, 60.	4.5	14
119	Synthesis of no-carrier-added [¹⁸ F]fluoroacetate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1997, 39, 395-399.	1.0	13
120	Novel Methods for Diagnosis and Treatment of Posterolateral Rotatory Instability of the Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 2-14.	3.0	13
121	Role of transglutaminase 2 in apoptosis induced by hydrogen peroxide in human chondrocytes. <i>Journal of Orthopaedic Research</i> , 2011, 29, 252-257.	2.3	13
122	Morphologic analysis of the proximal tibia after open wedge high tibial osteotomy for proper plate fitting. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 423.	1.9	13
123	Characteristic location and rapid progression of medial femoral condylar chondral lesions accompanying medial meniscus posterior root tear. <i>Knee</i> , 2019, 26, 673-678.	1.6	13
124	Sawing toward the fibular head during open-wedge high tibial osteotomy carries the risk of popliteal artery injury. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1365-1371.	4.2	13
125	Development of a ¹⁷⁷ Lu-Labeled RGD Derivative for Targeting Angiogenesis. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 687-691.	1.0	12
126	Facile calculation of specific rate constants and activation energies of ¹⁸ F-fluorination reaction using combined processes of coat-capture-elution and microfluidics. <i>Tetrahedron</i> , 2011, 67, 2427-2433.	1.9	12

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127	Comparison of patellar resurfacing versus preservation in high flexion total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1782-1790.	4.2	12
128	Osteotomy configuration of the proximal wedge and analysis of the affecting factors in the medial open-wedge high tibial osteotomy. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 793-799.	4.2	12
129	Development of a bio-electrospray system for cell and non-viral gene delivery. <i>RSC Advances</i> , 2018, 8, 6452-6459.	3.6	12
130	Development and validation of a prediction model for knee joint line orientation after high tibial osteotomy. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 434.	1.9	12
131	Quantitative evaluation of gait features after total knee arthroplasty: Comparison with age and sex-matched controls. <i>Gait and Posture</i> , 2020, 75, 78-84.	1.4	12
132	What Symptoms Are More Important for Korean Patients in Knee Osteoarthritis? Development and Validation of the Korean Knee Score. <i>Knee Surgery and Related Research</i> , 2012, 24, 151-157.	4.2	12
133	Bone Scintigraphy in Acute Renal Failure with Severe Loin Pain and Patchy Renal Vasoconstriction. <i>Nephron</i> , 1991, 59, 254-260.	1.8	11
134	Healing of articular cartilage defects treated with a novel drug-releasing rod-type implant after microfracture surgery. <i>Journal of Controlled Release</i> , 2008, 129, 187-191.	9.9	11
135	Development and Validation of a New Evaluation System for Patients With a Floor-based Lifestyle: The Korean Knee Score. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1539-1547.	1.5	11
136	Periprosthetic Joint Infection Does Not Preclude Good Outcomes after a Revision Total Knee Arthroplasty: A 7-Year Follow-Up Study of 144 Retrospective Cases. <i>BioMed Research International</i> , 2018, 2018, 1-8.	1.9	11
137	Distribution of the Force in the Knee Joint during Daily Activities after Open Wedge High Tibial Osteotomy: A Rationale for the Proper Postoperative Management. <i>Journal of Knee Surgery</i> , 2020, 33, 158-166.	1.6	11
138	Rotational Changes in the Tibia After High Tibial Valgus Osteotomy: A Comparative Study of Lateral Closing Versus Medial Opening Wedge Osteotomy. <i>American Journal of Sports Medicine</i> , 2020, 48, 3549-3556.	4.2	11
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