

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	Risk factors of de novo hyperextension developed after posterior cruciate ligament substituting total knee arthroplasty: a matched caseâ€“control study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2023, 31, 1123-1131.	4.2	4
2	Effect of Posterior Tibial Slope Change on Postoperative Range of Motion and Clinical Outcomes after Posterior Cruciate-Substituting Total Knee Arthroplasty. <i>Journal of Knee Surgery</i> , 2023, 36, 087-094.	1.6	5
3	Highâ€“resolution knee plain radiography image synthesis using style generative adversarial network adaptive discriminator augmentation. <i>Journal of Orthopaedic Research</i> , 2023, 41, 84-93.	2.3	5
4	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
5	Prognostic Factors of Mid- to Long-term Clinical Outcomes after Arthroscopic Partial Meniscectomy for Medial Meniscal Tears. <i>Clinics in Orthopedic Surgery</i> , 2022, 14, 227.	2.2	11
6	A Flexible Intramedullary Guide Can Reduce the Anteroposterior Oversizing of Femoral Components Used in Total Knee Arthroplasty in Patients with Osteoarthritis and Severe Distal Femoral Sagittal Bowing. <i>Journal of Knee Surgery</i> , 2022, 35, 1119-1125.	1.6	2
7	Synthesis, characterization and application of chitosan-N-(4-hydroxyphenyl)-methacrylamide derivative as a drug and gene carrier. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 75-85.	7.5	7
8	Variability between the trial and final implant measurements during the sensor-guided total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 2846-2853.	4.2	1
9	The Effect of Position on Radiographic Angle Measurements of the Lower Extremities. <i>BioMed Research International</i> , 2022, 2022, 1-7.	1.9	0
10	Optimal dose of topical tranexamic acid considering efficacy and safety in total knee arthroplasty: a randomized controlled study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3409-3417.	4.2	8
11	Is a Titanium Implant for Total Knee Arthroplasty Better? A Randomized Controlled Study. <i>Journal of Arthroplasty</i> , 2021, 36, 1302-1309.	3.1	6
12	Change in intersegmental foot and ankle motion after a high tibial osteotomy in genu varum patients. <i>Journal of Orthopaedic Research</i> , 2021, 39, 86-93.	2.3	8
13	What Has Been Learned in Anterior Cruciate Ligament Reconstruction during the Past 20 Years?. <i>The Journal of the Korean Orthopaedic Association</i> , 2021, 56, 1.	0.1	0
14	Efficacy and Safety of Bioabsorbable Bone Hemostatic Agent in Total Knee Arthroplasty: A Prospective Randomized Controlled Trial. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2021, 27, 107602962110235.	1.7	0
15	Translation and Validation of the Korean Version of the Forgotten Joint Score. <i>Clinics in Orthopedic Surgery</i> , 2021, 13, 482.	2.2	5
16	Induction of Stem Cell Like Cells from Mouse Embryonic Fibroblast by Short-Term Shear Stress and Vitamin C. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1941.	2.5	1
17	Faster bone union progression and less sclerosis at the osteotomy margin after medial opening-wedge high tibial osteotomy using highly porous β -tricalcium phosphate granules versus allogeneic bone chips: A matched caseâ€“control study. <i>Knee</i> , 2021, 29, 33-41.	1.6	9
18	Which orally administered antithrombotic agent is most effective for preventing venous thromboembolism after total knee arthroplasty? A propensity score-matching analysis. <i>Knee Surgery and Related Research</i> , 2021, 33, 10.	4.2	11

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19	Induction of Apoptosis of Cancer Cells Using the Cisplatin Delivery Based Electrospray (CDES) System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3203.	2.5	1
20	TGF β 21-Induced Transglutaminase-2 Triggers Catabolic Response in Osteoarthritic Chondrocytes by Modulating MMP-13. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 831-840.	3.7	4
21	Long-term Outcomes of Anterior Cruciate Ligament Reconstruction Using Quadriceps Tendonâ€“Patellar Bone Autograft. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110174.	1.7	3
22	Asia-Pacific venous thromboembolism consensus in knee and hip arthroplasty and hip fracture surgery: Part 2. Mechanical venous thromboembolism prophylaxis. <i>Knee Surgery and Related Research</i> , 2021, 33, 20.	4.2	9
23	A high degree of knee flexion after TKA promotes the ability to perform high-flexion activities and patient satisfaction in Asian population. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 565.	1.9	4
24	Enhanced Osteogenesis of Dental Pulp Stem Cells In Vitro Induced by Chitosanâ€“PEG-Incorporated Calcium Phosphate Cement. <i>Polymers</i> , 2021, 13, 2252.	4.5	6
25	Changes in the femoral varus and rotational profiles are correlated in women with varus osteoarthritic lower limbs. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2021, , 1.	2.4	0
26	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
27	3D-Printed Poly(ϵ -Caprolactone)/Hydroxyapatite Scaffolds Modified with Alkaline Hydrolysis Enhance Osteogenesis In Vitro. <i>Polymers</i> , 2021, 13, 257.	4.5	24
28	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
29	Automated Risk Stratification of Hip Osteoarthritis Development in Patients With Femoroacetabular Impingement Using an Unsupervised Clustering Algorithm: A Study From the Rochester Epidemiology Project. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110506.	1.7	2
30	Gait deviations of patients with ruptured anterior cruciate ligament: a cross-sectional gait analysis study on male patients. <i>Knee Surgery and Related Research</i> , 2021, 33, 45.	4.2	5
31	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
32	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
33	Do the increment of femoral condyle curvature and the change of tibia shape improve clinical outcome in total knee arthroplasty? A propensity score matching analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2980-2989.	4.2	6
34	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
35	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
36	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

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37	Effect of Storage Conditions and Activation on Growth Factor Concentration in Platelet-Rich Plasma. <i>Journal of Orthopaedic Research</i> , 2020, 38, 777-784.	2.3	9
38	The Hemodynamic Effect of Epinephrine-Containing Local Infiltration Analgesia After Tourniquet Deflation During Total Knee Arthroplasty: A Retrospective Observational Study. <i>Journal of Arthroplasty</i> , 2020, 35, 76-81.	3.1	2
39	Can Anatomic Posterolateral Corner Reconstruction Using a Fibular Tunnel Restore Fibular Footprints of the Posterolateral Complex? A Cadaveric Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020, 36, 1355-1362.	2.7	6
40	Quantitative assessment of the pivot shift test with smartphone accelerometer. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 2494-2501.	4.2	9
41	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
42	A machine learning-based diagnostic model associated with knee osteoarthritis severity. <i>Scientific Reports</i> , 2020, 10, 15743.	3.3	25
43	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
44	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
45	Elastic pneumatic tourniquet cuff can reduce postoperative thigh pain after total knee arthroplasty: a prospective randomized trial. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 565.	1.9	4
46	Cell-Laden Thermosensitive Chitosan Hydrogel Bioinks for 3D Bioprinting Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2455.	2.5	31
47	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
48	Proximal tibiofibular division in lateral closing wedge high tibial osteotomy does not increase varus instability of the knee. <i>Knee</i> , 2019, 26, 1299-1305.	1.6	3
49	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
50	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
51	Temperature-sensitive anti-adhesive poloxamer hydrogel decreases fascial adhesion in total knee arthroplasty: A prospective randomized controlled study. <i>Journal of Biomaterials Applications</i> , 2019, 34, 386-395.	2.4	8
52	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
53	Effects of Knee Osteoarthritis on Hip and Ankle Gait Mechanics. <i>Advances in Orthopedics</i> , 2019, 2019, 1-6.	1.0	41
54	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

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55	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
56	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
57	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
58	<i><i>Physicochemical properties and biocompatibility of poly- ϵ -caprolactone filaments with naturally derived hydroxyapatite for 3D Printing</i>. , 2019, , .		0
59	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
60	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
61	Biomechanical Comparison of Suture Techniques in Radial Meniscal Tears Using Gap Configuration Analysis. <i>Orthopedics</i> , 2019, 42, e443-e448.	1.1	3
62	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
63	Development of a bio-electrospray system for cell and non-viral gene delivery. <i>RSC Advances</i> , 2018, 8, 6452-6459.	3.6	12
64	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
65	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
66	Baseline varus deformity is associated with increased joint loading and pain of non-operated knee two years after unilateral total knee arthroplasty. <i>Knee</i> , 2018, 25, 249-255.	1.6	3
67	Successful anterior cruciate ligament reconstruction and meniscal repair in osteogenesis imperfecta. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 2297-2301.	4.2	3
68	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
69	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
70	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
71	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
72	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

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73	Hypoxic condition enhances chondrogenesis in synovium-derived mesenchymal stem cells. <i>Biomaterials Research</i> , 2018, 22, 28.	6.9	37
74	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
75	Neurogenic Differentiation of Human Dental Pulp Stem Cells on Graphene-Polycaprolactone Hybrid Nanofibers. <i>Nanomaterials</i> , 2018, 8, 554.	4.1	26
76	JNK2 silencing and caspase-9 activation by hyperosmotic polymer inhibits tumor progression. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2215-2224.	7.5	2
77	Biomechanical Characteristics of Three Baseplate Rotational Arrangement Techniques in Total Knee Arthroplasty. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	5
78	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
79	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
80	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
81	Femoral component rotations in different gap tensions in total knee arthroplasty: A prospective randomized controlled trial. <i>Knee</i> , 2017, 24, 439-446.	1.6	7
82	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
83	Proximal tibial anterior open-wedge oblique osteotomy: A novel technique to correct genu recurvatum. <i>Knee</i> , 2017, 24, 345-353.	1.6	25
84	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
85	Safety and efficacy of bi-annual intra-articular LBSA0103 injections in patients with knee osteoarthritis. <i>Rheumatology International</i> , 2017, 37, 1807-1815.	3.0	9
86	Immunogenicity and immunomodulatory effects of the human chondrocytes, hChonJ. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 199.	1.9	14
87	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
88	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
89	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
90	A Randomized, Multicenter, Phase III Trial to Evaluate the Efficacy and Safety of Polmacoxib Compared with Celecoxib and Placebo for Patients with Osteoarthritis. <i>Clinics in Orthopedic Surgery</i> , 2017, 9, 439.	2.2	9

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91	Anatomic tunnel placement can be achieved with a modification to transtibial technique in single bundle anterior cruciate ligament reconstruction: A cadaver study. PLoS ONE, 2017, 12, e0180860.	2.5	5
92	Efficacy and safety of a new elastic tourniquet cuff in total knee arthroplasty: a prospective randomized controlled study. BioMedical Engineering OnLine, 2017, 16, 102.	2.7	10
93	Efficacy of JOINS on Cartilage Protection in Knee Osteoarthritis: Prospective Randomized Controlled Trial. Knee Surgery and Related Research, 2017, 29, 217-224.	4.2	6
94	Transtibial Technique. , 2017, , 217-231.		0
95	PS: Gap Technique. , 2017, , 59-64.		0
96	The Effects of Adherence to Non-Steroidal Anti-Inflammatory Drugs and Factors Influencing Drug Adherence in Patients with Knee Osteoarthritis. Journal of Korean Medical Science, 2016, 31, 795.	2.5	8
97	Gastrointestinal safety and efficacy of long-term GCSB-5 use in patients with osteoarthritis: A 24-week, multicenter study. Journal of Ethnopharmacology, 2016, 189, 310-318.	4.1	3
98	Evaluation of the screw position and angle using a post-contoured plate in the open wedge high tibial osteotomy according to the correction degree and surgical technique. Clinical Biomechanics, 2016, 35, 111-115.	1.2	9
99	Morphologic analysis of the proximal tibia after open wedge high tibial osteotomy for proper plate fitting. BMC Musculoskeletal Disorders, 2016, 17, 423.	1.9	13
100	Lower Limb Length Discrepancy After High Tibial Osteotomy. American Journal of Sports Medicine, 2016, 44, 3095-3102.	4.2	32
101	Outcomes of Anatomic Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2016, 44, 2323-2329.	4.2	93
102	Open-Wedge High Tibial Osteotomy Using a Protective Cutting System: Technical Advancement for the Accuracy of the Osteotomy and Avoiding Intraoperative Complications. Arthroscopy Techniques, 2016, 5, e7-e10.	1.3	19
103	Different intraoperative kinematics with comparable clinical outcomes of ultracongruent and posterior stabilized mobile-bearing total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 3036-3043.	4.2	33
104	Extent of vertical cementing as a predictive factor for radiolucency in revision total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2710-2717.	4.2	0
105	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. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2016, 32, 263-271.	2.7	22
106	Alterations in stress distribution and micromotion characteristics due to an artificial defect within a composite tibia used for mechanical/biomechanical evaluation of total knee arthroplasty. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2213-2218.	2.2	4
107	Comparison of patellar resurfacing versus preservation in high flexion total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 1782-1790.	4.2	12
108	Which analgesic mixture is appropriate for periarticular injection after total knee arthroplasty? Prospective, randomized, double-blind study. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 838-845.	4.2	50

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109	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
110	Biomechanical evaluation of new total knee arthroplasty (TKA) enabling high deep flexion: Stand-sit-stand motion condition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 2623-2629.	2.2	3
111	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
112	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
113	Modified Transtibial Technique for Anterior Cruciate Ligament Reconstruction with Quadriceps Tendon Autograft. <i>JBJS Essential Surgical Techniques</i> , 2014, 4, e15.	0.8	7
114	Rotational alignment in total knee arthroplasty. <i>Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology</i> , 2014, 1, 113-118.	1.0	8
115	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
116	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
117	Preparation and characterization of calcium phosphate cement of $\hat{I}\pm$ -tricalcium phosphate-tetracalcium phosphate-dicalcium phosphate system incorporated with poly(\hat{I}^3 -glutamic acid). <i>Macromolecular Research</i> , 2013, 21, 892-898.	2.4	6
118	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
119	Revision total knee arthroplasty with varus \hat{E} valgus constrained prosthesis versus posterior stabilized prosthesis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 620-628.	4.2	33
120	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
121	Painful Patellar Clunk or Crepitation of Contemporary Knee Prostheses. <i>Clinical Orthopaedics and Related Research</i> , 2013, 471, 1512-1522.	1.5	38
122	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
123	Synovial Membrane \hat{E} 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
124	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
125	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
126	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

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127	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
128	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
129	Syntheses of 2-Nitroimidazole Derivatives Conjugated with 1,4,7-Triazacyclononane- α^2 -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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Stable aluminium fluoride chelates with triazacyclononane derivatives proved by X-ray crystallography and 18F-labeling study. <i>Chemical Communications</i> , 2011, 47, 9732.	4.1	69
138	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
139	Development of 68Ga-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
140	Use of granulocyte colony-stimulating factor for fluorine-18-fluorodeoxyglucose labeling in human leukocytes. <i>Nuclear Medicine Communications</i> , 2011, 32, 186-191.	1.1	4
141	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
142	Synthesis of 68Ga-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
143	Facile calculation of specific rate constants and activation energies of 18F-fluorination reaction using combined processes of coat-capture ϵ^{ϵ} elution and microfluidics. <i>Tetrahedron</i> , 2011, 67, 2427-2433.	1.9	12
144	Quantitative Measurement of Serum Hepatitis B Surface Antigen Using an Immunoradiometric Assay in Chronic Hepatitis B. <i>Nuclear Medicine and Molecular Imaging</i> , 2011, 45, 15-20.	1.0	3

#	ARTICLE	IF	CITATIONS
145	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
146	¹⁸ F-FDG Uptake of Human Testis on PET/CT: Correlation with Age, Sex Hormones, and Vasectomy. <i>Nuclear Medicine and Molecular Imaging</i> , 2011, 45, 291-298.	1.0	8
147	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
148	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
149	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
150	Revision Anterior Cruciate Ligament Reconstruction. <i>The Journal of Korean Knee Society</i> , 2011, 23, 61.	0.1	0
151	The Current Status and Future Perspectives of Nuclear Medicine in Korea. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 95-101.	1.0	4
152	Postoperative Functional Outcome After Off-Pump Versus On-Pump Coronary Artery Bypass Grafting Using Gated Myocardial SPECT: A Comparison by Propensity Score Analysis. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 110-115.	1.0	3
153	Behavior and Awareness of Thyroid Cancer Patients in Korea Having Non-Hospitalized Low-Dose Radioiodine Treatment with Regard to Radiation Safety. <i>Nuclear Medicine and Molecular Imaging</i> , 2010, 44, 267-272.	1.0	2
154	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
155	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
156	Development of a ¹⁷⁷ Lu-Labeled RGD Derivative for Targeting Angiogenesis. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 687-691.	1.0	12
157	Resolution recoverable statistical listmode reconstruction using depth dependent point spread function for Compton camera. , 2010, , .		0
158	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
159	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
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	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
166	Thermosensitive chitosan-Pluronic hydrogel as an injectable cell delivery carrier for cartilage regeneration. <i>Acta Biomaterialia</i> , 2009, 5, 1956-1965.	8.3	309
167	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
168	Rigid Stepped Plate for Internal Fixation for High Tibial Osteotomy. <i>Orthopedics</i> , 2009, 32, .	1.1	4
169	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
170	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
171	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
172	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
173	Anterior Cruciate Ligament Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 198-204.	1.5	137
174	Simultaneous Bilateral MIS-TKA Results in Faster Functional Recovery. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1449-1453.	1.5	29
175	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
176	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
177	Discoid Lateral Meniscus in Children. <i>Journal of Pediatric Orthopaedics</i> , 2008, 28, 544-548.	1.2	25
178	Fabrication and Characterization of Hydrophilized Polydioxanone Scaffolds for Tissue Engineering Applications. <i>Key Engineering Materials</i> , 2007, 342-343, 289-292.	0.4	4
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Porous Polymer Prosthesis for Meniscal Regeneration. <i>Key Engineering Materials</i> , 2007, 342-343, 33-36.	0.4	2
182	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
183	Degree of Degeneration and Chondroitinase ABC Treatment of Human Articular Cartilage Affect Adhesion of Chondrocytes. <i>Tissue Engineering</i> , 2006, 12, 167-176.	4.6	8
184	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
185	Evaluation of transcriptional activity of the oestrogen receptor with sodium iodide symporter as an imaging reporter gene. <i>Nuclear Medicine Communications</i> , 2006, 27, 773-777.	1.1	6
186	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
187	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
188	Effects of dehydroepiandrosterone on articular cartilage during the development of osteoarthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 2531-2538.	6.7	49
189	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
190	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
191	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
192	Surface- ϵ -modified poly(lactide- ϵ -caprolactone-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
193	Posterolateral reconstruction using split achilles tendon allograft. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 1043-1049.	2.7	51
194	A cross-sectional retrospective assessment of anti-arthritic drugs in patients with arthritis in Korea. <i>Current Medical Research and Opinion</i> , 2003, 19, 597-602.	1.9	2
195	Dissociation of Working Memory Processing Associated with Native and Second Languages: PET Investigation. <i>NeuroImage</i> , 2002, 15, 879-891.	4.2	47
196	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
197	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
198	Criteria for definition of regional functional improvement on quantitative post-stress gated myocardial SPET after bypass surgery in patients with ischaemic cardiomyopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1078-1082.	6.4	10

#	ARTICLE	IF	CITATIONS
199	Consideration of perfusion reserve in viability assessment by myocardial Tl-201 rest-redistribution SPECT: A quantitative study with dual-isotope SPECT. <i>Journal of Nuclear Cardiology</i> , 2002, 9, 68-74.	2.1	8
200	Lipiodol solution of a lipophilic agent, 188Re-TDD, for the treatment of liver cancer. <i>Nuclear Medicine and Biology</i> , 2001, 28, 197-204.	0.6	85
201	N,N?,N?,N?-tetraalkylcyclam derivatives: synthesis, 99mTc-labelling and biological properties. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 277-285.	1.0	5
202	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
203	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
204	Cross-modal plasticity and cochlear implants. <i>Nature</i> , 2001, 409, 149-150.	27.8	575
205	The acceptable range of the changes of tibiofemoral and patellofemoral joint position in PCL retaining TKA for improved clinical results. <i>The Journal of the Korean Orthopaedic Association</i> , 2001, 36, 55.	0.1	0
206	Adhesive Force of Chondrocytes to Cartilage. <i>Clinical Orthopaedics and Related Research</i> , 2000, 370, 286-294.	1.5	59
207	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
208	The Results of Revision Total Knee Arthroplasty. <i>The Journal of the Korean Orthopaedic Association</i> , 2000, 35, 913.	0.1	0
209	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
210	Ligament Tissue Engineering Using Synthetic Biodegradable Fiber Scaffolds. <i>Tissue Engineering</i> , 1999, 5, 443-451.	4.6	130
211	The Detection of Cancer in Augmented Breast by Positron Emission Tomography. <i>Journal of Korean Breast Cancer Society</i> , 1999, 2, 44.	0.1	0
212	Diagnostic Value of Positron Emission Tomography for Detecting Breast Cancer. <i>World Journal of Surgery</i> , 1998, 22, 223-228.	1.6	57
213	Synthesis of no-carrier-added [18F]fluoroacetate. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 1997, 39, 395-399.	1.0	13
214	Poor renal uptake of technetium-99m-DMSA and technetium-99m-MDP in a patient with Fanconi syndrome and near normal glomerular filtration rate. <i>Journal of Korean Medical Science</i> , 1994, 9, 29.	2.5	7
215	Radioimmunosintigraphy of advanced gastrointestinal carcinomas employing I-131 labeled CEA-79 monoclonal antibody. <i>Annals of Nuclear Medicine</i> , 1993, 7, 65-70.	2.2	4
216	Assessment of regional cerebral blood flow (rCBF) in ischemic stroke using Tc-99m HMPAO SPECT: comparison with CT and MR findings. <i>Journal of Korean Medical Science</i> , 1991, 6, 21.	2.5	5

#	ARTICLE	IF	CITATIONS
217	Bone Scintigraphy in Acute Renal Failure with Severe Loin Pain and Patchy Renal Vasoconstriction. Nephron, 1991, 59, 254-260.	1.8	11
218	Evaluation of the protective effect of verapamil on reperfusion injury by ¹¹¹ In anticardiac myosin antibody in canine myocardial infarction. Annals of Nuclear Medicine, 1991, 5, 109-115.	2.2	3
219	Jejunal Leiomyosarcoma Detected by Tc-99m Sulfur Colloid Gastrointestinal Bleeding Scan. Clinical Nuclear Medicine, 1990, 15, 327-329.	1.3	3
220	Negative Correlation between the Change in Bone Mineral Density and Serum Osteocalcin in Patients with Hyperthyroidism*. Journal of Clinical Endocrinology and Metabolism, 1990, 70, 766-770.	3.6	110
221	Cotrel-Dubousset Pedicular Screw in the Treatment of Unstable Dorsolumbar fracture: comparison with Harrington SSI. Journal of the Korean Fracture Society, 1989, 2, 91.	0.1	2
222	Computerized quality control of radioimmunoassay in Korea. Journal of Korean Medical Science, 1988, 3, 117.	2.5	3
223	Noninvasive measurement of left ventricular contractility using gated myocardial SPECT and arterial pressure tonometer. , 0, , .		1
224	A neural network classifier for the automatic interpretation of epileptogenic zones in F-18FDG brain PET. , 0, , .		1
225	Performance evaluation of SIEMENS CTI ECAT EXACT 47 PET scanner USING NEMA NU2-2001. , 0, , .		0
226	Efficacy of Intraoperative Administration of Iron Isomaltoside for Preventing Postoperative Anaemia after Total Knee Arthroplasty: A Randomised Controlled Trial. SSRN Electronic Journal, 0, , .	0.4	0