

Choongsoo S Shin

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,231
citations

623574

14
h-index

360920

35
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44
all docs

44
docs citations

44
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Current approaches to electrospun nanofibers for tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 014102.	1.7	216
2	Valgus Plus Internal Rotation Moments Increase Anterior Cruciate Ligament Strain More Than Either Alone. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1484-1491.	0.2	177
3	Effective Immobilization of BMP-2 Mediated by Polydopamine Coating on Biodegradable Nanofibers for Enhanced in Vivo Bone Formation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11225-11235.	4.0	167
4	The effect of isolated valgus moments on ACL strain during single-leg landing: A simulation study. <i>Journal of Biomechanics</i> , 2009, 42, 280-285.	0.9	156
5	The influence of deceleration forces on ACL strain during single-leg landing: A simulation study. <i>Journal of Biomechanics</i> , 2007, 40, 1145-1152.	0.9	153
6	Core Strength Training Can Alter Neuromuscular and Biomechanical Risk Factors for Anterior Cruciate Ligament Injury. <i>American Journal of Sports Medicine</i> , 2021, 49, 183-192.	1.9	42
7	Three-Dimensional In Vivo Patellofemoral Kinematics and Contact Area of Anterior Cruciate Ligament-Deficient and Reconstructed Subjects Using Magnetic Resonance Imaging. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2009, 25, 1214-1223.	1.3	38
8	Effect of the sagittal ankle angle at initial contact on energy dissipation in the lower extremity joints during a single-leg landing. <i>Gait and Posture</i> , 2018, 62, 99-104.	0.6	29
9	In vivo tibiofemoral cartilage-cartilage contact area of females with medial osteoarthritis under acute loading using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1405-1413.	1.9	26
10	Gender differences of sagittal knee and ankle biomechanics during stair-to-ground descent transition. <i>Clinical Biomechanics</i> , 2015, 30, 1210-1217.	0.5	19
11	Release Kinetics and in vitro Bioactivity of Basic Fibroblast Growth Factor: Effect of the Thickness of Fibrous Matrices. <i>Macromolecular Bioscience</i> , 2011, 11, 122-130.	2.1	17
12	UV-LEDs for the Disinfection and Bio-Sensing Applications. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1901-1915.	1.1	17
13	The patella ligament insertion angle influences quadriceps usage during walking of anterior cruciate ligament deficient patients. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1643-1650.	1.2	16
14	Anterior translation and rotational stability of anterior cruciate ligament-deficient knees during walking: speed and turning direction. <i>Journal of Orthopaedic Science</i> , 2015, 20, 155-162.	0.5	15
15	The Effect of Backpack Load Carriage on the Kinetics and Kinematics of Ankle and Knee Joints During Uphill Walking. <i>Journal of Applied Biomechanics</i> , 2017, 33, 397-405.	0.3	15
16	The kinematic/kinetic differences of the knee and ankle joint during single-leg landing between shod and barefoot condition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 2193-2197.	1.1	11
17	Influence of patellar ligament insertion angle on quadriceps usage during walking in anterior cruciate ligament reconstructed subjects. <i>Journal of Orthopaedic Research</i> , 2009, 27, 730-735.	1.2	9
18	Optimizing total hip replacement prosthesis design parameter for mechanical structural safety and mobility. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 119-127.	1.1	7

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19	In vivo study of paraspinal muscle weakness using botulinum toxin in one primate model. <i>Clinical Biomechanics</i> , 2018, 53, 1-6.	0.5	7
20	Muscle Strength Training Alters Muscle Activation of the Lower Extremity during Side-Step Cutting in Females. <i>Journal of Motor Behavior</i> , 2020, 52, 703-712.	0.5	7
21	A Pilot Study Comparing 2 Oxygen Delivery Methods for Patients' Comfort and Administration of Oxygen. <i>Respiratory Care</i> , 2014, 59, 1191-1198.	0.8	6
22	Measurement of lower extremity kinematics and kinetics during valley-shaped slope walking. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 2725-2730.	1.1	6
23	Role of the acetabular labrum on articular cartilage consolidation patterns. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 479-489.	1.4	6
24	Gender Differences in the Activation and Co-activation of Lower Extremity Muscles During the Stair-to-Ground Descent Transition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2020, 21, 1563-1570.	1.1	6
25	Classification of Walking Environments Using Deep Learning Approach Based on Surface EMG Sensors Only. <i>Sensors</i> , 2021, 21, 4204.	2.1	6
26	Biomechanical Effect of Coronal Alignment and Ligament Laxity in Total Knee Arthroplasty: A Simulation Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 851495.	2.0	6
27	Effects of mid-foot contact area ratio on lower body kinetics/kinematics in sagittal plane during stair descent in women. <i>Gait and Posture</i> , 2016, 48, 89-94.	0.6	5
28	Physeal cartilage exhibits rapid consolidation and recovery in intact knees that are physiologically loaded. <i>Journal of Biomechanics</i> , 2013, 46, 1516-1523.	0.9	4
29	Mechanical model of an arched basilar membrane in the gerbil cochlea. <i>Hearing Research</i> , 2017, 345, 1-9.	0.9	4
30	Modeling of stretch reflex activation considering muscle type. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 65, 1-1.	2.5	4
31	The Alteration in the Center of Pressure and Duration Ratio of Stance Sub-Phases during Upslope Walking. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 309-314.	1.1	4
32	Association between ankle angle at initial contact and biomechanical ACL injury risk factors in male during self-selected single-leg landing. <i>Gait and Posture</i> , 2021, 83, 127-131.	0.6	4
33	Natural orifice transluminal endoscopic surgery: Current status and future technical development. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 859-867.	1.1	3
34	The effect of frame rates on knee kinetics during landing and cutting. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 333-336.	1.1	3
35	Transition versus Continuous Slope Walking: Adaptation to Change Center of Mass Velocity in Young Men. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-9.	0.5	3
36	Mechanical Effects of Cochlear Implant on Acoustic Hearing. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1609-1617.	2.5	3

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37	Synchronization of Oxygen Delivery With Breathing Pattern for Enhanced Comfort: A Bench Study. <i>Respiratory Care</i> , 2012, 58, 498-506.	0.8	3
38	The effectiveness of oxygen conserving device of a demand oxygen delivery system based on FIO ₂ equivalency. <i>International Journal of Precision Engineering and Manufacturing</i> , 2011, 12, 687-694.	1.1	2
39	Intracochlear fluid pressure and cochlear input impedance from push-pull amplification model. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012, 13, 1689-1695.	1.1	2
40	Investigation on the kinetic and kinematic characteristics of knee and ankle joints during simulated downhill walking: Implication for ACL injury risk. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 4815-4822.	0.7	2
41	Quantitative measurements of muscle degeneration in volumetric shoulder muscle models. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 1449-1454.	1.1	2
42	Synchronized oxygen delivery and its optimization method: A bench study. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 663-670.	1.1	1
43	Detection of thiocholine ions with cobalt phthalocyanine mediated screen printed electrode. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 2573-2579.	1.1	1
44	Design and investigation of the effectiveness of a metatarsophalangeal assistive device on the muscle activities of the lower extremity. <i>PLoS ONE</i> , 2022, 17, e0263176.	1.1	1