

Choongsoo S Shin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9419245/publications.pdf>

Version: 2024-02-01

44
papers

1,231
citations

623574

14
h-index

360920

35
g-index

44
all docs

44
docs citations

44
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and investigation of the effectiveness of a metatarsophalangeal assistive device on the muscle activities of the lower extremity. PLoS ONE, 2022, 17, e0263176.	1.1	1
2	Biomechanical Effect of Coronal Alignment and Ligament Laxity in Total Knee Arthroplasty: A Simulation Study. Frontiers in Bioengineering and Biotechnology, 2022, 10, 851495.	2.0	6
3	Association between ankle angle at initial contact and biomechanical ACL injury risk factors in male during self-selected single-leg landing. Gait and Posture, 2021, 83, 127-131.	0.6	4
4	Classification of Walking Environments Using Deep Learning Approach Based on Surface EMG Sensors Only. Sensors, 2021, 21, 4204.	2.1	6
5	Core Strength Training Can Alter Neuromuscular and Biomechanical Risk Factors for Anterior Cruciate Ligament Injury. American Journal of Sports Medicine, 2021, 49, 183-192.	1.9	42
6	Muscle Strength Training Alters Muscle Activation of the Lower Extremity during Side-Step Cutting in Females. Journal of Motor Behavior, 2020, 52, 703-712.	0.5	7
7	Gender Differences in the Activation and Co-activation of Lower Extremity Muscles During the Stair-to-Ground Descent Transition. International Journal of Precision Engineering and Manufacturing, 2020, 21, 1563-1570.	1.1	6
8	Role of the acetabular labrum on articular cartilage consolidation patterns. Biomechanics and Modeling in Mechanobiology, 2019, 18, 479-489.	1.4	6
9	Mechanical Effects of Cochlear Implant on Acoustic Hearing. IEEE Transactions on Biomedical Engineering, 2019, 66, 1609-1617.	2.5	3
10	Optimizing total hip replacement prosthesis design parameter for mechanical structural safety and mobility. International Journal of Precision Engineering and Manufacturing, 2018, 19, 119-127.	1.1	7
11	The Alteration in the Center of Pressure and Duration Ratio of Stance Sub-Phases during Upslope Walking. International Journal of Precision Engineering and Manufacturing, 2018, 19, 309-314.	1.1	4
12	In vivo study of paraspinal muscle weakness using botulinum toxin in one primate model. Clinical Biomechanics, 2018, 53, 1-6.	0.5	7
13	Effect of the sagittal ankle angle at initial contact on energy dissipation in the lower extremity joints during a single-leg landing. Gait and Posture, 2018, 62, 99-104.	0.6	29
14	UV-LEDs for the Disinfection and Bio-Sensing Applications. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1901-1915.	1.1	17
15	Transition versus Continuous Slope Walking: Adaptation to Change Center of Mass Velocity in Young Men. Applied Bionics and Biomechanics, 2018, 2018, 1-9.	0.5	3
16	The Effect of Backpack Load Carriage on the Kinetics and Kinematics of Ankle and Knee Joints During Uphill Walking. Journal of Applied Biomechanics, 2017, 33, 397-405.	0.3	15
17	Mechanical model of an arched basilar membrane in the gerbil cochlea. Hearing Research, 2017, 345, 1-9.	0.9	4
18	Modeling of stretch reflex activation considering muscle type. IEEE Transactions on Biomedical Engineering, 2017, 65, 1-1.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Quantitative measurements of muscle degeneration in volumetric shoulder muscle models. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1449-1454.	1.1	2
20	Investigation on the kinetic and kinematic characteristics of knee and ankle joints during simulated downhill walking: Implication for ACL injury risk. Journal of Mechanical Science and Technology, 2016, 30, 4815-4822.	0.7	2
21	Effects of mid-foot contact area ratio on lower body kinetics/kinematics in sagittal plane during stair descent in women. Gait and Posture, 2016, 48, 89-94.	0.6	5
22	Measurement of lower extremity kinematics and kinetics during valley-shaped slope walking. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2725-2730.	1.1	6
23	Gender differences of sagittal knee and ankle biomechanics during stair-to-ground descent transition. Clinical Biomechanics, 2015, 30, 1210-1217.	0.5	19
24	Anterior translation and rotational stability of anterior cruciate ligament-deficient knees during walking: speed and turning direction. Journal of Orthopaedic Science, 2015, 20, 155-162.	0.5	15
25	The kinematic/kinetic differences of the knee and ankle joint during single-leg landing between shod and barefoot condition. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2193-2197.	1.1	11
26	Detection of thiocholine ions with cobalt phthalocyanine mediated screen printed electrode. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2573-2579.	1.1	1
27	A Pilot Study Comparing 2 Oxygen Delivery Methods for Patients' Comfort and Administration of Oxygen. Respiratory Care, 2014, 59, 1191-1198.	0.8	6
28	Effective Immobilization of BMP-2 Mediated by Polydopamine Coating on Biodegradable Nanofibers for Enhanced in Vivo Bone Formation. ACS Applied Materials & Interfaces, 2014, 6, 11225-11235.	4.0	167
29	Current approaches to electrospun nanofibers for tissue engineering. Biomedical Materials (Bristol), 2013, 8, 014102.	1.7	216
30	Natural orifice transluminal endoscopic surgery: Current status and future technical development. International Journal of Precision Engineering and Manufacturing, 2013, 14, 859-867.	1.1	3
31	Synchronized oxygen delivery and its optimization method: A bench study. International Journal of Precision Engineering and Manufacturing, 2013, 14, 663-670.	1.1	1
32	Physal cartilage exhibits rapid consolidation and recovery in intact knees that are physiologically loaded. Journal of Biomechanics, 2013, 46, 1516-1523.	0.9	4
33	The effect of frame rates on knee kinetics during landing and cutting. International Journal of Precision Engineering and Manufacturing, 2013, 14, 333-336.	1.1	3
34	Intracochlear fluid pressure and cochlear input impedance from push-pull amplification model. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1689-1695.	1.1	2
35	Synchronization of Oxygen Delivery With Breathing Pattern for Enhanced Comfort: A Bench Study. Respiratory Care, 2012, 58, 498-506.	0.8	3
36	The effectiveness of oxygen conserving device of a demand oxygen delivery system based on FIO2 equivalency. International Journal of Precision Engineering and Manufacturing, 2011, 12, 687-694.	1.1	2

#	ARTICLE	IF	CITATIONS
37	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
38	In vivo tibiofemoral cartilage-to-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
39	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
40	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
41	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
42	Three-Dimensional In Vivo Patellofemoral Kinematics and Contact Area of Anterior Cruciate Ligament in Deficient and Reconstructed Subjects Using Magnetic Resonance Imaging. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2009, 25, 1214-1223.	1.3	38
43	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
44	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