Wangdo Kim

List of Publications by Year
in descending order

43 papers	569 citations	687363 13 h-index	642732 23 g-index
44 all docs	44 docs citations	44 times ranked	414 citing authors

#	Article	IF	Citations
1	Role of plantar fascia in the load bearing capacity of the human foot. Journal of Biomechanics, 1995, 28, 1025-1033.	2.1	105
2	Modeling of heel strike transients during running. Human Movement Science, 1994, 13, 221-244.	1.4	56
3	Effect of Cutting the Plantar Fascia on Mechanical Properties of the Foot. Clinical Orthopaedics and Related Research, 1997, 339, 227-231.	1.5	38
4	Passive motion characteristics of the talocrural and the subtalar joint by dual Euler angles. Journal of Biomechanics, 2005, 38, 2480-2485.	2.1	31
5	The analysis of golf swing as a kinematic chain using dual Euler angle algorithm. Journal of Biomechanics, 2006, 39, 1227-1238.	2.1	29
6	Use of dual Euler angles to quantify the three-dimensional joint motion and its application to the ankle joint complex. Journal of Biomechanics, 2002, 35, 1647-1657.	2.1	26
7	Tibial torsion measurement by surface curvature. Clinical Biomechanics, 2005, 20, 443-450.	1.2	24
8	Wound measurement by curvature maps: a feasibility study. Physiological Measurement, 2006, 27, 1107-1123.	2.1	24
9	Dynamic loading during running on various surfaces. Human Movement Science, 1992, 11, 675-689.	1.4	22
10	3D characterization and localization of anatomical landmarks of the foot by FastSCAN. Real Time Imaging, 2004, 10, 217-228.	1.6	20
11	Estimation of the axis of a screw motion from noisy data—A new method based on Plücker lines. Journal of Biomechanics, 2006, 39, 2857-2862.	2.1	19
12	Using dual Euler angles for the analysis of arm movement during the badminton smash. Sports Engineering, 2005, 8, 171-178.	1.1	18
13	An inverse method for predicting tissue-level mechanics from cellular mechanical input. Journal of Biomechanics, 2009, 42, 395-399.	2.1	18
14	A reciprocal connection factor for assessing knee-joint function. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 911-917.	1.6	14
15	Analysis of passive motion characteristics of the ankle joint complex using dual Euler angle parameters. Clinical Biomechanics, 2004, 19, 153-160.	1.2	13
16	The Stationary Configuration of the Knee. Journal of the American Podiatric Medical Association, 2013, 103, 126-135.	0.3	13
17	Determining Dual Euler Angles of the Ankle Complex in vivo Using "Flock of Birds" Electromagnetic Tracking Device. Journal of Biomechanical Engineering, 2005, 127, 98-107.	1.3	12
18	The natural shock absorption of the leg spring. Journal of Biomechanics, 2013, 46, 129-136.	2.1	12

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19	The natural frequency of the foot-surface cushion during the stance phase of running. Journal of Biomechanics, 2011, 44, 774-779.	2.1	11
20	An Informational Algorithm as the Basis for Perception-Action Control of the Instantaneous Axes of the Knee. Journal of Novel Physiotherapies, 2013, 03, 127.	0.1	10
21	Tracking Knee Joint Functional Axes through Tikhonov Filtering and Plücker Coordinates. Journal of Novel Physiotherapies, 2013, 03, .	0.1	10
22	An informational framework to predict reaction of constraints using a reciprocally connected knee model. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 78-89.	1.6	10
23	A Reciprocal Connection at Knee Joint. , 2010, , .		5
24	Haptic Perception-Action Coupling Manifold of Effective Golf Swing. International Journal of Golf Science, 2013, 2, 10-32.	0.2	5
25	Using dual number method for motion analysis of left arm in a golf swing. , 2004, , .		3
26	Efferent Copy and Corollary Discharge Motor Control Behavior Associated with a Hopping Activity. Journal of Novel Physiotherapies, 2013, 03, .	0.1	3
27	Novel computational approaches characterizing knee physiotherapy. Journal of Computational Design and Engineering, 2014, 1, 55-66.	3.1	3
28	Affordance-Based Surgical Design Methods Considering Biomechanical Artifacts. Ecological Psychology, 2021, 33, 57-71.	1.1	3
29	Observations on the Knee Functional Axis During Active Movements. SM Musculoskeletal Disorders, 2016, 1, 1-5.	0.0	3
30	Optical acquisition and polar decomposition of the full-field deformation gradient tensor within a fracture callus. Journal of Biomechanics, 2009, 42, 2026-2032.	2.1	2
31	The Duality of Knee Functional Axes and Foot Contact. Journal of Functional Morphology and Kinesiology, 2016, 1, 387-395.	2.4	2
32	Tibial Femoral Tunnel for Isokinetic Graft Placement Based on a Tensegrity Model of a Knee. , 0, , .		2
33	3D Characterization and Localization of Anatomical Landmarks of the Foot. , 0, , .		1
34	Topological Space of the Knee Tensegrity System. Biomedical Journal of Scientific & Technical Research, 2018, 3, .	0.1	1
35	Freedom in Osteoarthritis of the Knee. Applied Sciences (Switzerland), 2022, 12, 839.	2.5	1
36	Quantification of Golf Swing using Anatomical Joint Motion. , 0, , .		0

#	Article	IF	Citations
37	Analysis of Left Hand Segmental Rotations During Golf Swing. , 2004, , 179.		0
38	Response to letter to the editor BM-D-06-00392. Journal of Biomechanics, 2007, 40, 225.	2.1	0
39	Objective foot ulcer documentation using 3â€Ð shape analysis: a feasibility study. Journal of Foot and Ankle Research, 2008, 1, .	1.9	0
40	Localization of Anatomical Landmarks of the Foot by Surface Curvature. , 2004, , .		0
41	Rules for the Haptic Control of Locomotion. SM Musculoskeletal Disorders, 2018, 3, 1-2.	0.0	0
42	A Tensegrity Model of a Knee for the ACL Reconstruction. Biomedical Journal of Scientific & Technical Research, 2018, 10, .	0.1	0
43	The Knee Proprioception as Patient-Dependent Outcome Measures within Surgical and Non-Surgical Interventions. , 0, , .		0