

Wangdo Kim

List of Publications by Year in descending order

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43
papers

569
citations

687363

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642732

23
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44
all docs

44
docs citations

44
times ranked

414
citing authors

#	ARTICLE	IF	CITATIONS
1	Freedom in Osteoarthritis of the Knee. Applied Sciences (Switzerland), 2022, 12, 839.	2.5	1
2	Affordance-Based Surgical Design Methods Considering Biomechanical Artifacts. Ecological Psychology, 2021, 33, 57-71.	1.1	3
3	Rules for the Haptic Control of Locomotion. SM Musculoskeletal Disorders, 2018, 3, 1-2.	0.0	0
4	Topological Space of the Knee Tensegrity System. Biomedical Journal of Scientific & Technical Research, 2018, 3, .	0.1	1
5	A Tensegrity Model of a Knee for the ACL Reconstruction. Biomedical Journal of Scientific & Technical Research, 2018, 10, .	0.1	0
6	The Duality of Knee Functional Axes and Foot Contact. Journal of Functional Morphology and Kinesiology, 2016, 1, 387-395.	2.4	2
7	Observations on the Knee Functional Axis During Active Movements. SM Musculoskeletal Disorders, 2016, 1, 1-5.	0.0	3
8	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
9	Novel computational approaches characterizing knee physiotherapy. Journal of Computational Design and Engineering, 2014, 1, 55-66.	3.1	3
10	The natural shock absorption of the leg spring. Journal of Biomechanics, 2013, 46, 129-136.	2.1	12
11	The Stationary Configuration of the Knee. Journal of the American Podiatric Medical Association, 2013, 103, 126-135.	0.3	13
12	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
13	Efferent Copy and Corollary Discharge Motor Control Behavior Associated with a Hopping Activity. Journal of Novel Physiotherapies, 2013, 03, .	0.1	3
14	Tracking Knee Joint Functional Axes through Tikhonov Filtering and Plücker Coordinates. Journal of Novel Physiotherapies, 2013, 03, .	0.1	10
15	Haptic Perception-Action Coupling Manifold of Effective Golf Swing. International Journal of Golf Science, 2013, 2, 10-32.	0.2	5
16	A reciprocal connection factor for assessing knee-joint function. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 911-917.	1.6	14
17	The natural frequency of the foot-surface cushion during the stance phase of running. Journal of Biomechanics, 2011, 44, 774-779.	2.1	11
18	A Reciprocal Connection at Knee Joint. , 2010, , .		5

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19	An inverse method for predicting tissue-level mechanics from cellular mechanical input. Journal of Biomechanics, 2009, 42, 395-399.	2.1	18
20	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
21	Objective foot ulcer documentation using 3D shape analysis: a feasibility study. Journal of Foot and Ankle Research, 2008, 1, .	1.9	0
22	Response to letter to the editor BM-D-06-00392. Journal of Biomechanics, 2007, 40, 225.	2.1	0
23	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
24	The analysis of golf swing as a kinematic chain using dual Euler angle algorithm. Journal of Biomechanics, 2006, 39, 1227-1238.	2.1	29
25	Wound measurement by curvature maps: a feasibility study. Physiological Measurement, 2006, 27, 1107-1123.	2.1	24
26	Passive motion characteristics of the talocrural and the subtalar joint by dual Euler angles. Journal of Biomechanics, 2005, 38, 2480-2485.	2.1	31
27	Using dual Euler angles for the analysis of arm movement during the badminton smash. Sports Engineering, 2005, 8, 171-178.	1.1	18
28	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
29	Tibial torsion measurement by surface curvature. Clinical Biomechanics, 2005, 20, 443-450.	1.2	24
30	Using dual number method for motion analysis of left arm in a golf swing. , 2004, , .		3
31	3D characterization and localization of anatomical landmarks of the foot by FastSCAN. Real Time Imaging, 2004, 10, 217-228.	1.6	20
32	Analysis of passive motion characteristics of the ankle joint complex using dual Euler angle parameters. Clinical Biomechanics, 2004, 19, 153-160.	1.2	13
33	Analysis of Left Hand Segmental Rotations During Golf Swing. , 2004, , 179.		0
34	Localization of Anatomical Landmarks of the Foot by Surface Curvature. , 2004, , .		0
35	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
36	Effect of Cutting the Plantar Fascia on Mechanical Properties of the Foot. Clinical Orthopaedics and Related Research, 1997, 339, 227-231.	1.5	38

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37	Role of plantar fascia in the load bearing capacity of the human foot. Journal of Biomechanics, 1995, 28, 1025-1033.	2.1	105
38	Modeling of heel strike transients during running. Human Movement Science, 1994, 13, 221-244.	1.4	56
39	Dynamic loading during running on various surfaces. Human Movement Science, 1992, 11, 675-689.	1.4	22
40	3D Characterization and Localization of Anatomical Landmarks of the Foot. , 0, , .		1
41	Quantification of Golf Swing using Anatomical Joint Motion. , 0, , .		0
42	Tibial Femoral Tunnel for Isokinetic Graft Placement Based on a Tensegrity Model of a Knee. , 0, , .		2
43	The Knee Proprioception as Patient-Dependent Outcome Measures within Surgical and Non-Surgical Interventions. , 0, , .		0