Young-Ho Kim

List of Publications by Year
in descending order

77	572	758635 12	676716 22
papers	citations	h-index	g-index

77	77	77	664
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Sampling Rate and Window Length on Motion Recognition Using sEMG Armband Module. International Journal of Precision Engineering and Manufacturing, 2021, 22, 1401.	1.1	4
2	The Performance of Post-Fall Detection Using the Cross-Dataset: Feature Vectors, Classifiers and Processing Conditions. Sensors, 2021, 21, 4638.	2.1	5
3	sEMG-Based Hand Posture Recognition Considering Electrode Shift, Feature Vectors, and Posture Groups. Sensors, 2021, 21, 7681.	2.1	7
4	Detection of Pre-Impact Falls from Heights Using an Inertial Measurement Unit Sensor. Sensors, 2020, 20, 5388.	2.1	11
5	Post-fall Detection Using ANN Based on Ranking Algorithms. International Journal of Precision Engineering and Manufacturing, 2020, 21, 1985-1995.	1.1	3
6	Enhanced Algorithm for the Detection of Preimpact Fall for Wearable Airbags. Sensors, 2020, 20, 1277.	2.1	22
7	Evaluation of three-dimensional in vivo scapular kinematics and scapulohumeral rhythm between shoulders with a clavicle hook plate and contralateral healthy shoulders. International Orthopaedics, 2019, 43, 379-386.	0.9	7
8	Development of an Armband EMG Module and a Pattern Recognition Algorithm for the 5-Finger Myoelectric Hand Prosthesis. International Journal of Precision Engineering and Manufacturing, 2019, 20, 1997-2006.	1.1	18
9	Impact Attenuation of the Soft Pads and the Wearable Airbag for the Hip Protection in the Elderly. International Journal of Precision Engineering and Manufacturing, 2019, 20, 273-283.	1.1	9
10	Evaluation of Inertial Sensor-Based Pre-Impact Fall Detection Algorithms Using Public Dataset. Sensors, 2019, 19, 774.	2.1	31
11	Determination of Optimal Riding Positions using Muscle Co-Contraction on Upper Extremity during Manual Standing Wheelchair Propulsion. International Journal of Precision Engineering and Manufacturing, 2018, 19, 577-586.	1.1	3
12	Brief report: Preliminary study on evaluation of spasticity in patients with brain lesions using mechanomyography. Clinical Biomechanics, 2018, 54, 16-21.	0.5	4
13	Mechanomyography for the Measurement of Muscle Fatigue Caused by Repeated Functional Electrical Stimulation. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1405-1410.	1.1	9
14	Finger language recognition based on ensemble artificial neural network learning using armband EMG sensors. Technology and Health Care, 2018, 26, 249-258.	0.5	21
15	Optimization of a Pre-impact Fall Detection Algorithm and Development of Hip Protection Airbag System. Sensors and Materials, 2018, 30, 1743.	0.3	17
16	Dynamic stability on nonmotorized curved treadmill: Self-paced speed versus fixed speed. International Journal of Precision Engineering and Manufacturing, 2017, 18, 887-893.	1.1	3
17	Prediction of belt sag on a non-motorized curved treadmill. International Journal of Precision Engineering and Manufacturing, 2017, 18, 359-365.	1.1	0
18	Optimal seat and footrest positions of manual standing wheelchair. International Journal of Precision Engineering and Manufacturing, 2017, 18, 879-885.	1.1	3

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19	COMPARISON OF DYNAMIC STABILITY DURING WALKING AND RUNNING ON NONMOTORIZED CURVED TREADMILL ACCORDING TO CURVATURE RADIUS. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750105.	0.3	0
20	Effects of 4-Week Intensive Active-Resistive Training with an EMG-Based Exoskeleton Robot on Muscle Strength in Older People: A Pilot Study. BioMed Research International, 2016, 2016, 1-5.	0.9	11
21	Changes of gait characteristics in a child with femoral nerve injury: a 16-month follow-up case study. Biomedizinische Technik, 2016, 61, 359-367.	0.9	1
22	Fatigue analysis of the quadriceps femoris muscle based on mechanomyography. International Journal of Precision Engineering and Manufacturing, 2016, 17, 473-478.	1.1	9
23	Effect of glenohumeral position on contact pressure between the capsulolabral complex and the glenoid in free ALPSA and Bankart lesions. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 350-356.	2.3	4
24	A comparison of four different muscle pennation models and their effects on predictions in peak fiber force and operating range of fiber length. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1179-1185.	1.1	0
25	A Novel Short-Time Fourier Transform-Based Fall Detection Algorithm Using 3-Axis Accelerations. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	3
26	Characterization of anomalous movements of spherical living cells on a silicon dioxide glassy substrate. Biomicrofluidics, 2015, 9, 014102.	1.2	2
27	PS5-18 Influence of cadence on basic gait parameters in gait initiation, constant-speed walking and gait termination(PS5: Poster Short Presentation V,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 315.	0.0	0
28	PS6-6 EFFECTS OF AN INTENSIVE ACTIVE-RESISTIVE TRAINING ON ANTAGONIST MUSCLE CO-CONTRACTION IN THE ELDERLY PEOPLE(PS6: Poster Short Presentation VI,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 324.	0.0	0
29	PS6-18 Kinematic analysis of the lower extremity in skilled and unskilled snowboarders during simulator exercise(PS6: Poster Short Presentation VI,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 335.	0.0	0
30	OS8-4 Fatigue analysis of quadriceps femoris muscle using convex hull area of mechanomyography(OS8: Wearable Technologies for Rehabilitation). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 113.	0.0	0
31	PS6-4 Spatio-temporal gait parameters for dual task during normal walking(PS6: Poster Short) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Emerging Science and Technology in Biomechanics, 2015, 2015.8, 322.	0.0	0
32	PS6-9 Acoustic emission characteristics of the healthy and patients with anterior cruciate ligament reconstruction(PS6: Poster Short Presentation VI,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 327.	0.0	0
33	PS5-19 Basic spatiotemporal gait parameters with different cognitive performances during turning(PS5: Poster Short Presentation V,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 316.	0.0	0
34	GS7-8 Application of a pre-impact fall detection using an inertial sensor unit(GS7: Rehabilitation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 and Technology in Biomechanics, 2015, 2015.8, 189.	0.0	0
35	PS6-5 Development of a Hip Impact Simulator and a Preliminary Evaluation of Hip Protectors(PS6:) Tj ETQq1 1 0.784314 rgBT /Overlo Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 323.	0.0	0
36	Determination of inertial parameters using a dynamometer. Bio-Medical Materials and Engineering, 2014, 24, 2447-2455.	0.4	1

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37	Bandwidth optimization for filter-based fatigue index in different inter-electrode distances. Bio-Medical Materials and Engineering, 2014, 24, 3701-3708.	0.4	0
38	Functional Electrical Stimulation to Ankle Dorsiflexor and Plantarflexor Using Single Foot Switch in Patients With Hemiplegia From Hemorrhagic Stroke. Annals of Rehabilitation Medicine, 2014, 38, 310.	0.6	11
39	Consistency of the optimized bandwidth in filter-based fatigue index. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2473-2477.	1.1	3
40	3D analysis of the metatarsophalangeal joint in normal group and Hallux valgus patients during walking using a four-segment foot model. International Journal of Precision Engineering and Manufacturing, 2014, 15, 299-303.	1.1	4
41	Electromagnetic Acupuncture to Enhance the Effects of Manual Acupuncture on Recovery from Muscle Fatigue of the Quadriceps. JAMS Journal of Acupuncture and Meridian Studies, 2014, 7, 250-257.	0.3	2
42	Highâ€passâ€filter cutâ€offs optimization of the filterâ€based fatigue index during dynamic contractions. Journal of Foot and Ankle Research, 2014, 7, .	0.7	0
43	Effects of involuntary eccentric contraction training by neuromuscular electrical stimulation on the enhancement of muscle strength. Clinical Biomechanics, 2014, 29, 767-772.	0.5	14
44	Pennation angles of ankle dorsiflexor and plantarflexors depending on muscle contraction intensity. International Journal of Precision Engineering and Manufacturing, 2013, 14, 855-858.	1.1	5
45	Bandwidth optimization of the fatigue index to estimate muscle fatigue during dynamic contractions. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1185-1191.	1.1	5
46	Upper limb joint motion of two different user groups during manual wheelchair propulsion. Journal of the Korean Physical Society, 2013, 62, 648-656.	0.3	4
47	Asymmetrical change in the pelvis and the spine during cross-legged sitting postures. Journal of Mechanical Science and Technology, 2013, 27, 3427-3432.	0.7	14
48	Kinematic and kinetic analysis during forward and backward walking. Gait and Posture, 2013, 38, 674-678.	0.6	64
49	Manual Wheelchair Propulsion Torque and Power Outputs in Different Skill Groups. Journal of Biomechanical Science and Engineering, 2012, 7, 349-357.	0.1	0
50	Verification of accuracy and validity of gait phase detection system using motion sensors for applying walking assistive FES. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1129-1135.	0.9	7
51	Effects of PEMFs (Pulsed Electromagnetic Fields) stimulation on acupoint in quadriceps fatigue recovery. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1697-1703.	1.1	5
52	A computer-based finger-tapping system for evaluating movement of the affected hand following stroke: A pilot study. International Journal of Precision Engineering and Manufacturing, 2012, 13, 2083-2086.	1.1	1
53	A hybrid static optimisation method to estimate muscle forces during muscle co-activation. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 249-254.	0.9	9
54	Torque and power outputs on different subjects during manual wheelchair propulsion under different conditions. Journal of the Korean Physical Society, 2012, 60, 540-543.	0.3	2

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55	A novel approach of defining fatigue indices with sEMG power during isotonic contractions. International Journal of Precision Engineering and Manufacturing, 2012, 13, 977-983.	1.1	6
56	Kinetic role of the metatarsophalangeal joint in normal walking: Joint moment and power. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1481-1485.	1.1	12
57	Determination of the dynamic knee joint range of motion during leg extension exercise using an EMG-driven model. International Journal of Precision Engineering and Manufacturing, 2012, 13, 117-123.	1.1	11
58	An EMG-based muscle force monitoring system. Journal of Mechanical Science and Technology, 2010, 24, 2099-2105.	0.7	13
59	Osteonecrosis of Femoral Head after Pelvic Fracture - A Case Report -. The Journal of the Korean Orthopaedic Association, 2009, 44, 495.	0.0	1
60	Lower extremity joint kinetics and lumbar curvature during squat and stoop lifting. BMC Musculoskeletal Disorders, 2009, 10, 15.	0.8	86
61	The Balance Recovery Mechanisms Against Unexpected Forward Perturbation. Annals of Biomedical Engineering, 2009, 37, 1629-1637.	1.3	33
62	Kinematics, kinetics and muscle activities of the lower extremity during the first four steps from gait initiation to the steady-state walking. Journal of Mechanical Science and Technology, 2009, 23, 204-211.	0.7	22
63	Biomechanical effect of electromechanical kneeâ€“ankleâ€“foot-orthosis on knee joint control in patients with poliomyelitis. Medical and Biological Engineering and Computing, 2008, 46, 541-549.	1.6	28
64	Foot/Ankle Roll-Over Characteristics for Different Joint Alignments of the Ankle-Foot Orthosis(AFO) during Level Walking. , 2008, , .		0
65	Joint Kinetics and Lumbar Curvatures during Symmetric Lifting: Squat and Stoop. , 2008, , .		1
66	EVALUATION OF HAND FUNCTION RECOVERY IN CHRONIC HEMIPARETIC PATIENTS USING ELECTROMYOGRAPHIC RESPONSES. , 2008, , .		0
67	A FES SENSOR SYSTEM USING A TILT SENSOR FOR IMPROVING HEMIPLEGIC GAIT. , 2008, , .		0
68	THE ESTIMATION OF KNEE VARUS TORQUE BY AN ACCELEROMETER IN OSTEOARTHRITIS PATIENTS AND HEALTHY ADULTS. , 2008, , .		0
69	THE BALANCE RECOVERY MECHANISMS AGAINST THE FORWARD PERTURBATION. , 2008, , .		0
70	JOINT MOMENTS AND LUMBAR CURVATURES DURING SYMMETRICAL LIFTING. , 2008, , .		0
71	THE RELATIONSHIP AMONG THE CENTER OF PRESSURE, THE CENTER OF MASS AND THE HORIZONTAL ACCELERATION OF THE BODY IN POSTURAL SWAY, FALLING AND WALKING. , 2008, , .		0
72	CONTRIBUTIONS OF LOWER EXTREMITY JOINTS ON THE SUPPORT MOMENT DURING LIFTING(1C2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Emerging Science and Technology in Biomechanics, 2007, 2007.3, S49.	0.0	0

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73	Gait Analysis in Normal and Hemiplegic Patients Using Accelerometers(Gait & Motion Analysis). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2004, 2004.1, 113-114.	0.0	1
74	Postural Adjustments Against the Forward Perturbation in Standing(Gait & Motion Analysis). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2004, 2004.1, 107-108.	0.0	0
75	The Development of the Electromechanical Knee-Ankle-Foot-Orthosis and Its Biomechanical Evaluations(Assistive Technology). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2004, 2004.1, 9-10.	0.0	0
76	Fluid Dynamics in an Anatomically Correct Total Cavopulmonary Connection : Flow Visualizations and Computational Fluid Dynamics(Cardiovascular Mechanics). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2004, 2004.1, 57-58.	0.0	0
77	Flow visualizations and hot-wire measurements on air flow in two different neonate incubators. Journal of Mechanical Science and Technology, 2001, 15, 1051-1060.	0.4	0