

Song Joo Lee

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

695
citations

1163117

8
h-index

677142

22
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31
all docs

31
docs citations

31
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	CNN-based Subject-Transfer Approach for Training Minimized Lower-Limb MI-BCIs. , 2022, , .		2
2	Improvements in hand functions and changes in proximal muscle activities in myoelectric prosthetic hand users at home: a case series. Prosthetics and Orthotics International, 2022, Publish Ahead of Print, .	1.0	0
3	Quantification of the Elastic Moduli of Lumbar Erector Spinae and Multifidus Muscles Using Shear-Wave Ultrasound Elastography. Applied Sciences (Switzerland), 2021, 11, 1782.	2.5	1
4	Developing a Quantifying Device for Soft Tissue Material Properties around Lumbar Spines. Biosensors, 2021, 11, 67.	4.7	1
5	Subject-Transfer Approach based on Convolutional Neural Network for the SSSEP-BCIs. , 2021, , .		4
6	Upper-Limb Electromyogram Classification of Reaching-to-Grasping Tasks Based on Convolutional Neural Networks for Control of a Prosthetic Hand. Frontiers in Neuroscience, 2021, 15, 733359.	2.8	7
7	Developing an in-vivo physiological porcine model of inducing acute atraumatic compartment syndrome towards a non-invasive diagnosis using shear wave elastography. Scientific Reports, 2021, 11, 21891.	3.3	2
8	Quantification of Upper Limb Isometric Force Control Abilities for Evaluating Upper Limb Functions Among Prosthetic Users. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2559-2568.	4.9	4
9	Classification of Selective Attention based on Steady-State Somatosensory Evoked Potentials using High-Frequency Vibration Stimuli. , 2020, , .		2
10	Foot Pressure Feedback Pneumatic Orthosis: Implication of Daily Life Walking Training for Knee Osteoarthritis Patients. International Journal of Precision Engineering and Manufacturing, 2020, 21, 2191-2198.	2.2	1
11	Stability of a robust interaction control for single-degree-of-freedom robots with unstructured environments. Intelligent Service Robotics, 2020, 13, 393-401.	2.6	3
12	Classification of Selective Attention Within Steady-State Somatosensory Evoked Potentials From Dry Electrodes Using Mutual Information-Based Spatio-Spectral Feature Selection. IEEE Access, 2020, 8, 85464-85472.	4.2	8
13	Plane Dependent Subject-Specific Neuromuscular Training for Knee Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1876-1883.	4.9	0
14	Learning Patterns of Pivoting Neuromuscular Control Trainingâ€”Toward a Learning Model for Therapy Scheduling. IEEE Transactions on Biomedical Engineering, 2019, 66, 383-390.	4.2	1
15	Combined Ankle/Knee Stretching and Pivoting Stepping Training for Children With Cerebral Palsy. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1743-1752.	4.9	6
16	Real-Time Three-Dimensional Knee Moment Estimation in Knee Osteoarthritis: Toward Biodynamic Knee Osteoarthritis Evaluation and Training. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1263-1272.	4.9	5
17	Detecting voluntary gait initiation/termination intention using EEG. , 2018, , .		4
18	Improvement in Offaxis Neuromuscular Control Under Slippery Conditions Following Six-Week Pivoting Leg Neuromuscular Training. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2084-2093.	4.9	3

#	ARTICLE	IF	CITATIONS
19	EMG-Based Continuous and Simultaneous Estimation of Arm Kinematics in Able-Bodied Individuals and Stroke Survivors. <i>Frontiers in Neuroscience</i> , 2017, 11, 480.	2.8	47
20	Pivoting neuromuscular control and proprioception in females and males. <i>European Journal of Applied Physiology</i> , 2015, 115, 775-784.	2.5	11
21	Effects of Off-Axis Elliptical Training on Reducing Pain and Improving Knee Function in Individuals With Patellofemoral Pain. <i>Clinical Journal of Sport Medicine</i> , 2015, 25, 487-493.	1.8	6
22	Effects of Pivoting Neuromuscular Training on Pivoting Control and Proprioception. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1400-1409.	0.4	20
23	Real-time tracking of knee adduction moment in patients with knee osteoarthritis. <i>Journal of Neuroscience Methods</i> , 2014, 231, 9-17.	2.5	7
24	Real-Time Knee Adduction Moment Feedback Training Using an Elliptical Trainer. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 334-343.	4.9	7
25	Impaired varus/valgus proprioception and neuromuscular stabilization in medial knee osteoarthritis. <i>Journal of Biomechanics</i> , 2014, 47, 360-366.	2.1	37
26	A Pivoting Elliptical Training System for Improving Pivoting Neuromuscular Control and Rehabilitating Musculoskeletal Injuries. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 860-868.	4.9	17
27	Gender differences in offaxis neuromuscular control during stepping under a slippery condition. <i>European Journal of Applied Physiology</i> , 2013, 113, 2857-2866.	2.5	11
28	Development of an elliptical trainer with real-time knee adduction moment feedback. , 2013, 2013, 6650411.		2
29	Offaxis neuromuscular training of knee injuries using an offaxis robotic elliptical trainer. , 2011, 2011, 2081-4.		8
30	Improvement in off-axis neuromuscular control through pivoting elliptical training: Implication for knee injury prevention. , 2010, 2010, 4846-9.		4
31	Biomechanics of overground vs. treadmill walking in healthy individuals. <i>Journal of Applied Physiology</i> , 2008, 104, 747-755.	2.5	464