

# Song Joo Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

695  
citations

1162367

8  
h-index

676716

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1054  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Biomechanics of overground vs. treadmill walking in healthy individuals. <i>Journal of Applied Physiology</i> , 2008, 104, 747-755.  | 1.2 | 464       |
| 2  | EMG-Based Continuous and Simultaneous Estimation of Arm Kinematics in Able-Bodied Individuals and Stroke Survivors. <i>Frontiers in Neuroscience</i> , 2017, 11, 480.  | 1.4 | 47        |
| 3  | Impaired varus/valgus proprioception and neuromuscular stabilization in medial knee osteoarthritis. <i>Journal of Biomechanics</i> , 2014, 47, 360-366.  | 0.9 | 37        |
| 4  | Effects of Pivoting Neuromuscular Training on Pivoting Control and Proprioception. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1400-1409.   | 0.2 | 20        |
| 5  | 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.             | 2.7 | 17        |
| 6  | Gender differences in offaxis neuromuscular control during stepping under a slippery condition. <i>European Journal of Applied Physiology</i> , 2013, 113, 2857-2866.  | 1.2 | 11        |
| 7  | Pivoting neuromuscular control and proprioception in females and males. <i>European Journal of Applied Physiology</i> , 2015, 115, 775-784.  | 1.2 | 11        |
| 8  | Offaxis neuromuscular training of knee injuries using an offaxis robotic elliptical trainer. , 2011, 2011, 2081-4.   |     | 8         |
| 9  | Classification of Selective Attention Within Steady-State Somatosensory Evoked Potentials From Dry Electrodes Using Mutual Information-Based Spatio-Spectral Feature Selection. <i>IEEE Access</i> , 2020, 8, 85464-85472.                 | 2.6 | 8         |
| 10 | Real-time tracking of knee adduction moment in patients with knee osteoarthritis. <i>Journal of Neuroscience Methods</i> , 2014, 231, 9-17.  | 1.3 | 7         |
| 11 | 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.  | 2.7 | 7         |
| 12 | Upper-Limb Electromyogram Classification of Reaching-to-Grasping Tasks Based on Convolutional Neural Networks for Control of a Prosthetic Hand. <i>Frontiers in Neuroscience</i> , 2021, 15, 733359.                                       | 1.4 | 7         |
| 13 | Combined Ankle/Knee Stretching and Pivoting Stepping Training for Children With Cerebral Palsy. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1743-1752.   | 2.7 | 6         |
| 14 | 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.   | 0.9 | 6         |
| 15 | Real-Time Three-Dimensional Knee Moment Estimation in Knee Osteoarthritis: Toward Biodynamic Knee Osteoarthritis Evaluation and Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1263-1272. | 2.7 | 5         |
| 16 | Improvement in off-axis neuromuscular control through pivoting elliptical training: Implication for knee injury prevention. , 2010, 2010, 4846-9.  |     | 4         |
| 17 | Detecting voluntary gait initiation/termination intention using EEG. , 2018, , .   |     | 4         |
| 18 | Subject-Transfer Approach based on Convolutional Neural Network for the SSSEP-BCIs. , 2021, , .  |     | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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.     | 2.7 | 4         |
| 20 | 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. | 2.7 | 3         |
| 21 | Stability of a robust interaction control for single-degree-of-freedom robots with unstructured environments. Intelligent Service Robotics, 2020, 13, 393-401.  | 1.6 | 3         |
| 22 | Development of an elliptical trainer with real-time knee adduction moment feedback. , 2013, 2013, 6650411.  |     | 2         |
| 23 | Classification of Selective Attention based on Steady-State Somatosensory Evoked Potentials using High-Frequency Vibration Stimuli. , 2020, , .   |     | 2         |
| 24 | 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.                | 1.6 | 2         |
| 25 | CNN-based Subject-Transfer Approach for Training Minimized Lower-Limb MI-BCIs. , 2022, , .  |     | 2         |
| 26 | Learning Patterns of Pivoting Neuromuscular Control Trainingâ€”Toward a Learning Model for Therapy Scheduling. IEEE Transactions on Biomedical Engineering, 2019, 66, 383-390.  | 2.5 | 1         |
| 27 | 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.          | 1.1 | 1         |
| 28 | Quantification of the Elastic Moduli of Lumbar Erector Spinae and Multifidus Muscles Using Shear-Wave Ultrasound Elastography. Applied Sciences (Switzerland), 2021, 11, 1782.  | 1.3 | 1         |
| 29 | Developing a Quantifying Device for Soft Tissue Material Properties around Lumbar Spines. Biosensors, 2021, 11, 67.   | 2.3 | 1         |
| 30 | Plane Dependent Subject-Specific Neuromuscular Training for Knee Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1876-1883.   | 2.7 | 0         |
| 31 | 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, .          | 0.5 | 0         |