Ryo Eguchi

List of Publications by Year
in descending order

18 papers	144 citations	1307594 7 h-index	1281871 11 g-index
18 all docs	18 docs citations	18 times ranked	176 citing authors

#	Article	IF	Citations
1	Trunk movement asymmetry associated with pain, disability, and quadriceps strength asymmetry in individuals with knee osteoarthritis: a cross-sectional study. Osteoarthritis and Cartilage, 2019, 27, 248-256.	1.3	23
2	Estimation of Vertical Ground Reaction Force Using Low-Cost Insole With Force Plate-Free Learning From Single Leg Stance and Walking. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1276-1283.	6.3	16
3	Transcutaneous Electrical Nerve Stimulation Improves Stair Climbing Capacity in People with Knee Osteoarthritis. Scientific Reports, 2020, 10, 7294.	3.3	16
4	Validity of the Nintendo Wii Balance Board for Kinetic Gait Analysis. Applied Sciences (Switzerland), 2018, 8, 285.	2.5	13
5	Concurrent validity and measurement error of stair climb test in people with pre-radiographic to mild knee osteoarthritis. Gait and Posture, 2019, 68, 335-339.	1.4	13
6	Gait analysis of patients with distal radius fracture by using a novel laser Timed Up-and-Go system. Gait and Posture, 2020, 80, 223-227.	1.4	10
7	Insole-Based Estimation of Vertical Ground Reaction Force Using One-Step Learning With Probabilistic Regression and Data Augmentation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1217-1225.	4.9	9
8	Stair climbing ability in patients with early knee osteoarthritis: Defining the clinical hallmarks of early disease. Gait and Posture, 2019, 72, 148-153.	1.4	8
9	Ground reaction force estimation using insole plantar pressure measurement system from single-leg standing. , 2016, , .		7
10	Kinetic and spatiotemporal gait analysis system using instrumented insoles and laser range sensor. , 2017, , .		6
11	Hip abductor muscle weakness and slowed turning motion in people with knee osteoarthritis. Journal of Biomechanics, 2020, 101, 109652.	2.1	6
12	Accessible ground reaction force estimation using insole force sensors without force plates. , 2017, , .		5
13	Accessible Calibration of Insole Force Sensors Using the Wii Balance Board for Kinetic Gait Analysis. , 2018, , .		4
14	Spatiotemporal and Kinetic Gait Analysis System Based on Multisensor Fusion of Laser Range Sensor and Instrumented Insoles. , 2019, , .		4
15	Shift-Adaptive Estimation of Joint Angle Using Instrumented Brace With Two Stretch Sensors Based on Gaussian Mixture Models. IEEE Robotics and Automation Letters, 2020, 5, 5881-5888.	5.1	2
16	Effects of interaction between varus thrust and ambulatory physical activity on knee pain in individuals with knee osteoarthritis: an exploratory study with 12-month follow-up. Clinical Rheumatology, 2019, 38, 1721-1729.	2.2	1
17	Human Leg Tracking by Fusion of Laser Range and Insole Force Sensing With Gaussian Mixture Model-Based Occlusion Compensation. IEEE Sensors Journal, 2022, 22, 3704-3714.	4.7	1
18	Corretion to â€œShift-Adaptive Estimation of Joint Angle Using Instrumented Brace With Two Stretch Sensors Based on Gaussian Mixture Modelsâ€•[Oct 20 5881-5888]. IEEE Robotics and Automation Letters, 2020, 5, 6804-6804.	5.1	0