

# Ryo Eguchi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8339806/publications.pdf>

Version: 2024-02-01

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