## Massimiliano Zecca

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/9451234/publications.pdf
Version: 2024-02-01

| 113 <br> papers | 2,120 <br> citations | 16 <br> h-index | 327515 <br> g-index |
| :---: | :---: | :---: | :---: |
| 117 <br> all docs | 117 <br> docs citations | 117 <br> times ranked | citing authors |

5 GENERATION OF HUMANOID ROBOT'S FACIAL EXPRESSIONS FOR CONTEXT-AWARE COMMUNICATION.
International Journal of Humanoid Robotics, 2013, 10, 1350013.

6 Whole body emotion expressions for KOBIAN humanoid robot â€" preliminary experiments with different Emotional patterns â€". , 2009, , .
11 Walking in the uncanny valley: importance of the attractiveness on the acceptance of a robot as a1.1

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12 Validity of the Perception Neuron inertial motion capture system for upper body motion analysis. Measurement: Journal of the International Measurement Confederation, 2020, 149, 107024.
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13 Fear of falling and activities of daily living function: mediation effect of dual-task ability. Aging and
Mental Health, 2018, 22, 856-861.
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14 Development of whole-body emotion expression humanoid robot. , 2008, , .

> Technology Used to Recognize Activities of Daily Living in Community-Dwelling Older Adults. International Journal of Environmental Research and Public Health, 2021, 18, 163.
19 Development of a real-time IMU-based motion capture system for gait rehabilitation. , 2013, , .
Design of a wireless miniature low cost EMG sensor using gold plated dry electrodes for
biomechanics research. , 2013, , .
25 A Novel Greeting Selection System for a Cul ..... 1.3 ..... 19
26 Measurement invariance of TCMD-3 in children with and without mental and behavioral disorders..Psychological Assessment, 2018, 30, 1421-1429.
27 Surgical training technology for cerebrovascular anastomosis. Journal of Clinical Neuroscience,
$27 \quad 2014,21,554-558$. ..... 0.8 ..... 18Development of the miniaturized wireless Inertial Measurement Unit WB-4: Pilot test for masticationanalysis. , 2010, , .17
29 Perception of emotion and emotional intensity in humanoid robots gait. , 2013, , . ..... 17
Effects of Simultaneously Performed Dual-Task Training with Aerobic Exercise and Working Memory $30 \quad$ Training on Cognitive Functions and Neural Systems in the Elderly. Neural Plasticity, 2020, 2020, 1-17.1.017
31 Development of an Ultra-Miniaturized Inertial Measurement Unit for Jaw Movement Analysis during 0.5 ..... 15
Free Chewing. Journal of Computer Science, 2010, 6, 896-903.Towards culture-specific robot customisation: A study on greeting interaction with Egyptians. , 2013, ,15
Bone fracture monitoring using implanted antennas in the radius, tibia and phalange heterogeneous 0.6 ..... 15
33 bone phantoms. Biomedical Physics and Engineering Express, 2018, 4, 045006.
Development of an ultra-miniaturized inertial measurement unit WB-3 for human body motion tracking. , 2010, , .14
Anatomical Calibration through Post-Processing of Standard Motion Tests Data. Sensors, 2016, 16,
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\begin{aligned}
& \text { Comparison of gait event detection from shanks and feet in single-task and multi-task walking of } \\
& \text { healthy older adults. , 2016,, . }
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Psychometric proprieties of the Test of Gross Motor Developmentâ $€$ "Third Edition in a large sample of Italian children. Journal of Science and Medicine in Sport, 2020, 23, 860-865.

The ergonomic impact of patient body mass index on surgeon posture during simulated laparoscopy.

Waseda Bioinstrumentation System \#3 as a tool for objective rehabilitation measurement and assessment - Development of the inertial measurement unit -. , 2009, , .

Development of a human-like neurologic model to simulate the influences of diseases for neurologic examination training. , 2013, , .
A Novel Algorithm for Determining the Contextual Characteristics of Movement Behaviors by
47 Combining Accelerometer Features and Wireless Beacons: Development and Implementation. JMIR

The mediation effect of political interest on the connection between social trust and wellbeing
55 On the development of the Bioinstrumentation System WB-1R for the evaluation of human-robot
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57 Waseda Bioinstrumentation system WB-2R as a wearable tool for an objective analysis of surgeon's
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59 Wavelet thresholding technique for sEMG denoising by baseline estimation. International Journal of
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60 Use of an ultra-miniaturized IMU-based motion capture system for objective evaluation and assessment
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Application of wireless inertial measurement units and EMG sensors for studying deglutition \&\#×2014;
Preliminary results. , 2014, 2014, 5381-4.
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|  | Development of the Ultra-Miniaturized Inertial Measurement Unit WB3 for Objective Skill Analysis and |  |
| :--- | :--- | :--- | :--- |
| Assessment in Neurosurgery: Preliminary Results. Lecture Notes in Computer Science, 2009, 12, 443-450. | 1.0 | 7 |


| 65 | Gait Phase Detection Using Foot Acceleration for Estimating Ground Reaction Force in Long Distance Gait Rehabilitation. Journal of Robotics and Mechatronics, 2012, 24, 828-837. | 0.5 | 7 |
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| 66 | Perceptions of In-home Monitoring Technology for Activities of Daily Living: Semistructured Interview Study With Community-Dwelling Older Adults. JMIR Aging, 2022, 5, e33714. | 1.4 | 7 |
| 67 | Objective skill analysis and assessment in neurosurgery by using an ultra-miniaturized inertial measurement unit WB-3 \&\#x2014; Pilot tests \&\#x2014;. , 2009, 2009, 2320-3. |  | 6 |

68 Non visual sensor based shape perception method for gait control of flexible colonoscopy robot.,
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    Effects of 1 Year of Lifestyle Intervention on Institutionalized Older Adults. International Journal of Environmental Research and Public Health, 2021, 18, 7612.
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70 evaluation of the effect of high body mass index models. International Journal of Computer Assisted
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6 Radiology and Surgery, 2022, 17, 75-83.

71 Assessment of walking quality by using Inertial Measurement Units. , 2012, , .

74 Conveying emotion intensity with bio-inspired expressive walking - Experiments with sadness and
$\square$75 Development of a novel ankle rehabilitation robot with three freedoms for ankle rehabilitation5training. , 2015, , .
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Online magnetic calibration of a cutting edge 9-axis wireless Inertial Measurement Unit. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 779-785.
81 Musical robots: Towards a natural joint performance. , 2012, , .4

Tightly-coupled stereo vision-aided inertial navigation using feature-based motion sensors. Advanced Robotics, 0, , 1-13.
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A novel approach to evaluate skills in Endotracheal Intubation using biomechanical measurement
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93 Surface EMG and heartbeat analysis preliminary results in surgical training: Dry boxes and live tissue.

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97 Development an arm robot to simulate the lead-pipe rigidity for medical education. , 2015, , . 2

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human head tissues. Biomedical Physics and Engineering Express, $2021,7,025011$. 0.6 2

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