

# Benny Lo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4827807/publications.pdf>

Version: 2024-02-01

188  
papers

7,113  
citations

159358

30  
h-index

82410

72  
g-index

192  
all docs

192  
docs citations

192  
times ranked

8209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for Health Informatics. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 4-21.	3.9	1,290
2	Unobtrusive Sensing and Wearable Devices for Health Informatics. IEEE Transactions on Biomedical Engineering, 2014, 61, 1538-1554.	2.5	607
3	A Deep Learning Approach to on-Node Sensor Data Analytics for Mobile or Wearable Devices. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 56-64.	3.9	337
4	Sensor Positioning for Activity Recognition Using Wearable Accelerometers. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 320-329.	2.7	331
5	Toward Pervasive Gait Analysis With Wearable Sensors: A Systematic Review. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1521-1537.	3.9	297
6	Security and Privacy for the Internet of Medical Things Enabled Healthcare Systems: A Survey. IEEE Access, 2019, 7, 183339-183355.	2.6	157
7	Epilepsy Seizure Prediction on EEG Using Common Spatial Pattern and Convolutional Neural Network. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 465-474.	3.9	157
8	Deep learning for human activity recognition: A resource efficient implementation on low-power devices. , 2016, , .		145
9	Automatic congestion detection system for underground platforms. , 0, , .		136
10	Continuous Blood Pressure Measurement From Invasive to Unobtrusive: Celebration of 200th Birth Anniversary of Carl Ludwig. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1455-1465.	3.9	124
11	EEG-based user identification system using 1D-convolutional long short-term memory neural networks. Expert Systems With Applications, 2019, 125, 259-267.	4.4	123
12	Body Sensor Networks: In the Era of Big Data and Beyond. IEEE Reviews in Biomedical Engineering, 2015, 8, 4-16.	13.1	111
13	Sensor Placement for Activity Detection Using Wearable Accelerometers. , 2010, , .		110
14	Blurring the boundaries: scenario-based simulation in a clinical setting. Medical Education, 2005, 39, 580-587.	1.1	103
15	Multichannel Reflective PPG Earpiece Sensor With Passive Motion Cancellation. IEEE Transactions on Biomedical Circuits and Systems, 2007, 1, 235-241.	2.7	90
16	PRISMATICA: Toward Ambient Intelligence in Public Transport Environments. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 164-182.	3.4	85
17	Direction sensitive fall detection using a triaxial accelerometer and a barometric pressure sensor. , 2011, 2011, 369-72.		83
18	An Intelligent Food-Intake Monitoring System Using Wearable Sensors. , 2012, , .		83

#	ARTICLE	IF	CITATIONS
19	A Pervasive Body Sensor Network for Measuring Postoperative Recovery at Home. Surgical Innovation, 2007, 14, 83-90.	0.4	81
20	Emerging Wearable Interfaces and Algorithms for Hand Gesture Recognition: A Survey. IEEE Reviews in Biomedical Engineering, 2022, 15, 85-102.	13.1	81
21	Real-Time Activity Classification Using Ambient and Wearable Sensors. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 1031-1039.	3.6	79
22	Neuroimaging and Machine Learning for Dementia Diagnosis: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2019, 12, 19-33.	13.1	76
23	A Noninvasive Blood Glucose Monitoring System Based on Smartphone PPG Signal Processing and Machine Learning. IEEE Transactions on Industrial Informatics, 2020, 16, 7209-7218.	7.2	74
24	Image-Based Food Classification and Volume Estimation for Dietary Assessment: A Review. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1926-1939.	3.9	72
25	Ambient and Wearable Sensor Fusion for Activity Recognition in Healthcare Monitoring Systems. , 2007, , 208-212.		60
26	An On-Node Processing Approach for Anomaly Detection in Gait. IEEE Sensors Journal, 2015, 15, 6640-6649.	2.4	57
27	Wearable Sensing for Solid Biomechanics. IEEE Sensors Journal, 2015, , 1-1.	2.4	55
28	Food Volume Estimation Based on Deep Learning View Synthesis from a Single Depth Map. Nutrients, 2018, 10, 2005.	1.7	55
29	Development of a Wireless Sensor Glove for Surgical Skills Assessment. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 673-679.	3.6	53
30	Swimming Stroke Kinematic Analysis with BSN. , 2010, , .		46
31	Validation of an ear-worn sensor for gait monitoring using a force-plate instrumented treadmill. Gait and Posture, 2012, 35, 674-676.	0.6	46
32	Machine learning for technical skill assessment in surgery: a systematic review. Npj Digital Medicine, 2022, 5, 24.	5.7	45
33	Detecting Walking Gait Impairment with an Ear-worn Sensor. , 2009, , .		44
34	An Artificial Neural Network Framework for Gait-Based Biometrics. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 987-998.	3.9	44
35	Point2Volume: A Vision-Based Dietary Assessment Approach Using View Synthesis. IEEE Transactions on Industrial Informatics, 2020, 16, 577-586.	7.2	44
36	Pervasive Body Sensor Network: An Approach to Monitoring the Post-operative Surgical Patient. , 0, , .		43

#	ARTICLE	IF	CITATIONS
37	Eye-Gaze Driven Surgical Workflow Segmentation. , 2007, 10, 110-117.		41
38	Can pervasive sensing address current challenges in global healthcare?. Journal of Epidemiology and Global Health, 2012, 2, 1.	1.1	39
39	Transforming Health Care: Body Sensor Networks, Wearables, and the Internet of Things. IEEE Pulse, 2016, 7, 4-8.	0.1	39
40	Markerless gait analysis based on a single RGB camera. , 2018, , .		38
41	A Probabilistic Framework for Tracking Deformable Soft Tissue in Minimally Invasive Surgery. , 2007, 10, 34-41.		38
42	Real-Time Pervasive Monitoring for Postoperative Care. IFMBE Proceedings, 2007, , 122-127.	0.2	37
43	Body sensor networks - research challenges and opportunities. , 2007, , .		35
44	Automatic Microsurgical Skill Assessment Based on Cross-Domain Transfer Learning. IEEE Robotics and Automation Letters, 2020, 5, 4148-4155.	3.3	30
45	Cross-Subject and Cross-Modal Transfer for Generalized Abnormal Gait Pattern Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 546-560.	7.2	30
46	Observing Recovery from Knee-Replacement Surgery by Using Wearable Sensors. , 2011, , .		28
47	WISDOM: wheelchair inertial sensors for displacement and orientation monitoring. Measurement Science and Technology, 2011, 22, 105801.	1.4	28
48	Effect of acute exacerbations on skeletal muscle strength and physical activity in cystic fibrosis. Journal of Cystic Fibrosis, 2012, 11, 209-215.	0.3	27
49	Secure key generation using gait features for Body Sensor Networks. , 2017, , .		27
50	Episode Classification for the Analysis of Tissue/Instrument Interaction with Multiple Visual Cues. Lecture Notes in Computer Science, 2003, , 230-237.	1.0	23
51	Architecture for body sensor networks. , 2005, , .		23
52	ClimBSN: Climber performance monitoring with BSN. , 2008, , .		23
53	Ear-worn body sensor network device: an objective tool for functional postoperative home recovery monitoring. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 156-159.	2.2	23
54	Behaviour Profiling with Ambient and Wearable Sensing. , 2007, , 133-138.		23

#	ARTICLE	IF	CITATIONS
55	Body Sensor Networks for Monitoring Rowing Technique. , 2009, , .		22
56	Energy Expenditure Prediction Using a Miniaturized Ear-Worn Sensor. Medicine and Science in Sports and Exercise, 2011, 43, 1369-1377.	0.2	22
57	Real-time food intake classification and energy expenditure estimation on a mobile device. , 2015, , .		22
58	Food volume estimation for quantifying dietary intake with a wearable camera. , 2018, , .		22
59	Towards Wearable and Flexible Sensors and Circuits Integration for Stress Monitoring. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2208-2215.	3.9	22
60	Pattern mining for routine behaviour discovery in pervasive healthcare environments. , 2008, , .		21
61	Assessing Arthroscopic Skills Using Wireless Elbow-Worn Motion Sensors. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1119-1127.	1.4	21
62	An integrated wearable robot for tremor suppression with context aware sensing. , 2016, , .		21
63	Gait Analysis From a Single Ear-Worn Sensor: Reliability and Clinical Evaluation for Orthopaedic Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 882-892.	2.7	21
64	Wirelessly accessible sensor populations (WASP) for elderly care monitoring. , 2008, , .		19
65	From computers to ubiquitous computing by 2010: health care. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3805-3811.	1.6	18
66	Gait asymmetry detection in older adults using a light ear-worn sensor. Physiological Measurement, 2014, 35, N29-N40.	1.2	18
67	An unsupervised approach for gait-based authentication. , 2015, , .		18
68	Invisible Shadow for Navigation and Planning in Minimal Invasive Surgery. Lecture Notes in Computer Science, 2005, 8, 25-32.	1.0	18
69	Supervised Semi-Autonomous Control for Surgical Robot Based on Banoian Optimization. , 2020, , .		18
70	PRISMATICA: a multi-sensor surveillance system for public transport networks. , 2004, , .		17
71	An integrated multi-sensing framework for pervasive healthcare monitoring. , 2009, , .		17
72	Detection and Analysis of Transitional Activity in Manifold Space. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 119-128.	3.6	17

#	ARTICLE	IF	CITATIONS
73	Design and Prototyping of a Bio-Inspired Kinematic Sensing Suit for the Shoulder Joint: Precursor to a Multi-DoF Shoulder Exosuit. IEEE Robotics and Automation Letters, 2020, 5, 540-547.	3.3	17
74	DBAN: Adversarial Network With Multi-Scale Features for Cardiac MRI Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2018-2028.	3.9	17
75	A Pervasive Respiratory Monitoring Sensor for COVID-19 Pandemic. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 11-16.	1.7	17
76	Assessing Individual Dietary Intake in Food Sharing Scenarios with a 360 Camera and Deep Learning. , 2019, , .		16
77	Towards a Snake-Like Flexible Robot for Endoscopic Submucosal Dissection. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 257-260.	2.1	16
78	Human-Robot Shared Control for Surgical Robot Based on Context-Aware Sim-to-Real Adaptation. , 2022, , .		16
79	A Spatio-Temporal Architecture for Context Aware Sensing. , 0, , .		15
80	Bayesian Analysis of Sub-plantar Ground Reaction Force with BSN. , 2009, , .		15
81	Bioinspired Design for Body Sensor Networks [Life Sciences]. IEEE Signal Processing Magazine, 2013, 30, 165-170.	4.6	15
82	Wearable Tissue Oxygenation Monitoring Sensor and a Forearm Vascular Phantom Design for Data Validation. , 2014, , .		15
83	Use of Near-infrared Spectroscopy and Implantable Doppler for Postoperative Monitoring of Free Tissue Transfer for Breast Reconstruction: A Systematic Review and Meta-analysis. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2437.	0.3	15
84	Distributed Force Control for Microrobot Manipulation via Planar Multi-Spot Optical Tweezer. Advanced Optical Materials, 2020, 8, 2000543.	3.6	15
85	Development and Validation of an Objective, Passive Dietary Assessment Method for Estimating Food and Nutrient Intake in Households in Low- and Middle-Income Countries: A Study Protocol. Current Developments in Nutrition, 2020, 4, nzaa020.	0.1	15
86	Counting Bites and Recognizing Consumed Food from Videos for Passive Dietary Monitoring. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1471-1482.	3.9	15
87	A Distributed Surveillance System for Improving Security in Public Transport Networks. Measurement and Control, 2002, 35, 209-213.	0.9	14
88	Source Recovery for Body Sensor Network. , 0, , .		14
89	A Self-Calibrated Tissue Viability Sensor for Free Flap Monitoring. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 5-14.	3.9	13
90	Data-Driven Microscopic Pose and Depth Estimation for Optical Microrobot Manipulation. ACS Photonics, 2020, 7, 3003-3014.	3.2	13

#	ARTICLE	IF	CITATIONS
91	From sensor networks to behaviour profiling: a homecare perspective of intelligent buildings. , 2004, , .		13
92	Validation of the e-AR Sensor for Gait Event Detection Using the Parotec Foot Insole with Application to Post-Operative Recovery Monitoring. , 2014, , .		12
93	A Deep Learning Approach on Gender and Age Recognition using a Single Inertial Sensor. , 2019, , .		12
94	Wearable ECG signal processing for automated cardiac arrhythmia classification using CFASEâ€based feature selection. Expert Systems, 2020, 37, e12432.	2.9	12
95	Semi-Supervised Contrastive Learning for Generalizable Motor Imagery EEG Classification. , 2021, , .		12
96	Wirelessly Accessible Sensor Populations (WASP) for Elderly Care Monitoring. , 2008, , .		12
97	Body Sensor Networks: Infrastructure for Life Science Sensing Research. , 2006, , .		11
98	An Ear-Worn Sensor for the Detection of Gait Impairment After Abdominal Surgery. Surgical Innovation, 2013, 20, 86-94.	0.4	11
99	A fusion framework to estimate plantar ground force distributions and ankle dynamics. Information Fusion, 2018, 41, 255-263.	11.7	11
100	Subject-Independent Slow Fall Detection with Wearable Sensors via Deep Learning. , 2020, , .		11
101	Belief Propagation for Depth Cue Fusion in Minimally Invasive Surgery. Lecture Notes in Computer Science, 2008, 11, 104-112.	1.0	11
102	Pervasive wearable device for free tissue transfer monitoring based on advanced data analysis: clinical study report. Journal of Biomedical Optics, 2019, 24, 1.	1.4	11
103	Task-Based LSTM Kinematic Modeling for a Tendon-Driven Flexible Surgical Robot. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 339-342.	2.1	11
104	Real-time intra-operative 3D tissue deformation recovery. , 2008, , .		10
105	Transitional Activity Recognition with Manifold Embedding. , 2009, , .		10
106	Hybrid manifold-deep convolutional neural network for sleep staging. Methods, 2022, 202, 164-172.	1.9	10
107	Imitation of Dynamic Walking with BSN for a Humanoid Robot. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1-1.	3.9	9
108	Real-Time Photo-Realistic Rendering for Surgical Simulations with Graphics Hardware. Lecture Notes in Computer Science, 2004, , 346-352.	1.0	9

#	ARTICLE	IF	CITATIONS
109	A flexible communications protocol for a distributed surveillance system. Journal of Network and Computer Applications, 2004, 27, 221-253.	5.8	8
110	Human Back Movement Analysis Using BSN. , 2011, , .		8
111	Wireless wearable photoplethysmography sensors for continuous blood pressure monitoring. , 2016, , .		8
112	Smart Sensing for Surgery: From Tethered Devices to Wearables and Implantables. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 39-48.	1.2	8
113	Guest Editorial Data Science in Smart Healthcare: Challenges and Opportunities. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3041-3043.	3.9	8
114	Real-time Surgical Environment Enhancement for Robot-Assisted Minimally Invasive Surgery Based on Super-Resolution. , 2021, , .		8
115	Context aware sensing - what's the significance?. , 2005, , .		8
116	A Novel Approach to Dining Bowl Reconstruction for Image-Based Food Volume Estimation. Sensors, 2022, 22, 1493.	2.1	8
117	Probabilistic decision level fusion for real-time correlation of ambient and wearable sensors. , 2008, , .		7
118	Wireless wearable self-calibrated sensor for perfusion assessment of myocutaneous tissue. , 2016, , .		7
119	A wearable sensing framework for improving personal and oral hygiene for people with developmental disabilities. , 2016, , .		7
120	Automated epileptic seizure detection by analyzing wearable EEG signals using extended correlation-based feature selection. , 2018, , .		7
121	A Novel Vision-based Approach for Dietary Assessment using Deep Learning View Synthesis. , 2019, , .		7
122	Tissue Oxygenation Sensor and an Active<i>In Vitro</i>Phantom for Sensor Validation. IEEE Sensors Journal, 2019, 19, 8233-8240.	2.4	7
123	Discriminative Information Added by Wearable Sensors for Early Screening - a Case Study on Diabetic Peripheral Neuropathy. , 2019, , .		7
124	Reflective Photoplethysmograph Earpiece Sensor for Ubiquitous Heart Rate Monitoring. , 2007, , 179-183.		7
125	A Novel Endoscope Design Using Spiral Technique for Robotic-Assisted Endoscopy Insertion. , 2020, , .		7
126	Current issues of photorealistic rendering for virtual and augmented reality in minimally invasive surgery. , 0, , .		6



#	ARTICLE	IF	CITATIONS
127	Return of functional mobility after an open tibial fracture. Bone and Joint Journal, 2015, 97-B, 1118-1125.	1.9	6
128	A personalized air quality sensing system - a preliminary study on assessing the air quality of London underground stations. , 2017, , .		6
129	An artificial neural network framework for lower limb motion signal estimation with foot-mounted inertial sensors. , 2018, , .		6
130	Random Number Generation Using Inertial Measurement Unit Signals for On-Body IoT Devices. , 2018, , .		6
131	Lightweight Internet of Things Device Authentication, Encryption, and Key Distribution Using End-to-End Neural Cryptosystems. IEEE Internet of Things Journal, 2022, 9, 14978-14987.	5.5	6
132	Embedded Real-Time Heart Variability Analysis. , 2007, , 128-132.		6
133	Surgical Gesture Recognition Based on Bidirectional Multi-Layer Independently RNN with Explainable Spatial Feature Extraction. , 2021, , .		6
134	Egocentric Human Trajectory Forecasting With a Wearable Camera and Multi-Modal Fusion. IEEE Robotics and Automation Letters, 2022, 7, 8799-8806.	3.3	6
135	Feature extraction from ear-worn sensor data for gait analysis. , 2014, , .		5
136	Unsupervised Domain Adaptation for Position-Independent IMU Based Gait Analysis. , 2020, , .		5
137	Food/Non-Food Classification of Real-Life Egocentric Images in Low- and Middle-Income Countries Based on Image Tagging Features. Frontiers in Artificial Intelligence, 2021, 4, 644712.	2.0	5
138	Micro-object pose estimation with sim-to-real transfer learning using small dataset. Communications Physics, 2022, 5, .	2.0	5
139	Validation Of An Ear Worn Sensor For Activity Monitoring In COPD. , 2010, , .		4
140	Deployment of wireless sensors for remote elderly monitoring. , 2010, , .		4
141	Hand Gesture Recognition with Inertial Sensors. , 2018, 2018, 3517-3520.		4
142	Depth Estimation based on a Single Close-up Image with Volumetric Annotations in the Wild: A Pilot Study. , 2019, , .		4
143	Improving Accuracy of Heart Failure Detection Using Data Refinement. Entropy, 2020, 22, 520.	1.1	4
144	Photorealistic Rendering of Large Tissue Deformation for Surgical Simulation. Lecture Notes in Computer Science, 2004, , 355-362.	1.0	4

#	ARTICLE	IF	CITATIONS
145	Smart implanted access port catheter for therapy intervention with pH and lactate biosensors. <i>Materials Today Bio</i> , 2022, 15, 100298.	2.6	4
146	Towards Image-Based Modeling for Ambient Sensing. , 0, , .		3
147	Designing a Posture Analysis System with Hardware Implementation. <i>Journal of Signal Processing Systems</i> , 2007, 47, 33-45.	1.0	3
148	Gaussian Process Prediction for Cross Channel Consensus in Body Sensor Networks. , 2008, , .		3
149	RACKET: Real-time autonomous computation of kinematic elements in tennis. , 2009, , .		3
150	Distributed inferencing with ambient and wearable sensors. <i>Wireless Communications and Mobile Computing</i> , 2012, 12, 117-131.	0.8	3
151	A multi-sensor platform for monitoring diabetic peripheral neuropathy. , 2015, , .		3
152	Towards a Fully Automatic Food Intake Recognition System Using Acoustic, Image Capturing and Glucose Measurements. , 2019, , .		3
153	Introduction to the Special Issue on Wearable and Flexible Integrated Sensors for Screening, Diagnostics, and Treatment. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 1300-1303.	2.7	3
154	Nonlinearity Compensation in A Multi-DoF Shoulder Sensing Exosuit For Real-Time Teleoperation. , 2020, , .		3
155	Electrical and Mechanical Characterization of Carbon-Based Elastomeric Composites for Printed Sensors and Electronics. , 2021, , .		3
156	Cross-Domain Self-Supervised Complete Geometric Representation Learning for Real-Scanned Point Cloud Based Pathological Gait Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 1034-1044.	3.9	3
157	Assessing Individual Dietary Intake in Food Sharing Scenarios with Food and Human Pose Detection. <i>Lecture Notes in Computer Science</i> , 2021, , 549-557.	1.0	3
158	Indoor Future Person Localization from an Egocentric Wearable Camera. , 2021, , .		3
159	Real-Time and Cost-Effective Smart Mat System Based on Frequency Channel Selection for Sleep Posture Recognition in IoMT. <i>IEEE Internet of Things Journal</i> , 2022, 9, 21421-21431.	5.5	3
160	Experimental platform for usability testing of secure medical sensor network protocols. , 2008, , .		2
161	Toward a mixed-signal reconfigurable ASIC for real-time activity recognition. , 2008, , .		2
162	Markerless motion capture using appearance and inertial data. , 2014, 2014, 6907-10.		2

#	ARTICLE	IF	CITATIONS
163	Assessment of the e-AR sensor for gait analysis of Parkinson;s Disease patients. , 2015, , .		2
164	Preliminary study for hemodynamics monitoring using a wearable device network. , 2017, , .		2
165	A Soft Inflatable Elbow-Assistive Robot for Children with Cerebral Palsy. , 2021, , .		2
166	Autonomic Sensing. , 2006, , 333-372.		2
167	Pervasive healthcare: clinical drive, technological innovations, and socio-economic benefits. , 2005, , .		1
168	Custom hardware architectures for posture analysis. , 0, , .		1
169	An integrated inferencing framework for context sensing. , 2008, , .		1
170	Unsupervised routine profiling in free-living conditions &#x2014; Can smartphone apps provide insights?. , 2013, , .		1
171	Autonomic body sensor networks. , 2014, , .		1
172	Guest Editorial - 13th Body Sensor Networks Symposium. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 3-4.	3.9	1
173	Pilot study: Free flap monitoring using a new tissue oxygen saturation (StO2) device. European Journal of Surgical Oncology, 2018, 44, 900.	0.5	1
174	Roll-to-Roll processable OTFT-based Amplifier and Application for pH sensing. , 2019, , .		1
175	Small-form wearable device for long-term monitoring of cardiac sounds on the body surface. , 2021, , .		1
176	Artificial ear - a wearable device for the hearing impaired. , 2021, , .		1
177	Wireless Body Sensor for Objective Assessment of Surgical Performance on a Standardised FLS Task. , 2014, , .		1
178	Feasibility Validation on Healthy Adults of a Novel Active Vibrational Sensing Based Ankle Band for Ankle Flexion Angle Estimation. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 314-319.	1.7	1
179	Feasibility of the automatic ingestion monitor (AIM-2) for infant feeding assessment: a pilot study among breast-feeding mothers from Ghana. Public Health Nutrition, 2022, 25, 2897-2907.	1.1	1
180	Establishing affective human robot interaction through contextual information. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
181	A low-power opportunistic communication protocol for wearable applications. , 2015, , .		0
182	Guest Editorial: MobiHealth 2014, IEEE HealthCom 2014, and IEEE BHI 2014. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 731-732.	3.9	0
183	Tomographic probe for perfusion analysis in deep layer tissue. , 2018, , .		0
184	Visual Guidance and Automatic Control for Robotic Personalized Stent Graft Manufacturing. , 2019, , .		0
185	Guest Editorial: Special Issue on Pervasive Sensing and Machine Learning for Mental Health. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2245-2246.	3.9	0
186	Deep3DRanker: A Novel Framework for Learning to Rank 3D Models with Self-Attention in Robotic Vision. , 2021, , .		0
187	Autonomic Sensing. , 2014, , 405-462.		0
188	A Multi-sensor Fusion Approach for Intention Detection. Biosystems and Biorobotics, 2019, , 454-458.	0.2	0