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289	Are Older Adults Ready for Wireless Physical Activity Tracking Devices? A Comparison of Commonly Used Tracking Devices. 2016 , 64, 226-8		5

288	Flexible and Stretchable Oxide Electronics. 2016 , 2, 1600105	39
287	Features and usability assessment of a patient-centered mobile application (HeartMapp) for self-management of heart failure. 2016 , 32, 156-163	40
286	m-Health Care Models and Applications. 2016 , 189-250	
285	A software assistant for user-centric calibration of a wireless body sensor. 2016 ,	1
284	Wearable technologies in osteoarthritis: a qualitative study of clinicians' preferences. 2016 , 6, e009544	27
283	Means of Motivation or of Stress? The Use of Fitness Trackers for Self-Monitoring by Older Adults. 2016 , 7, 111-116	18
282	Identifying Energy-Deprivation in Wireless Sensor Networks. 2016 ,	
281	Priority consideration in inter-WBAN data scheduling and aggregation for monitoring systems. 2016 , 27, 589-600	14
280	Recommendations for the conduct of clinical trials for drugs to treat or prevent sarcopenia. 2016 , 28, 47-58	69
279	The Patient-Centered Electronic Health Record and Patient Portals. 2016 , 281-294	
278	Preferences in tracking dimensions for wearable technology. 2017 , 29, 180-199	13
277	Recyclable Nonfunctionalized Paper-Based Ultralow-Cost Wearable Health Monitoring System. 2017 , 2, 1600228	47
276	CORR Insights: What Is the Timing of General Health Adverse Events That Occur After Total Joint Arthroplasty?. 2017 , 475, 2960-2962	
275	. 2017 , 5, 13028-13037	21
274	Optical-Based Sensor Prototype for Continuous Monitoring of the Blood Pressure. 2017 , 17, 4258-4268	13
273	Multi-biophysical event detection using blind source separated audio signals. 2017 , 690-697	
272	Wearables for independent living in older adults: Gait and falls. 2017 , 100, 16-26	57
271	Advanced Materials for Health Monitoring with Skin-Based Wearable Devices. 2017 , 6, 1700024	165

270	Comparison of Heart-Rate-Variability Recording With Smartphone Photoplethysmography, Polar H7 Chest Strap, and Electrocardiography. 2017 , 12, 1324-1328	122
269	A Semantic Extraction and Sentimental Assessment of Risk Factors (SESARF): An NLP Approach for Precision Medicine: A Medical Decision Support Tool for Early Diagnosis from Clinical Notes. 2017 ,	4
268	Effects of Flexible Dry Electrode Design on Electrodermal Activity Stimulus Response Detection. 2017 , 64, 2979-2987	7
267	Exploring on the elderly health management model in tropic area. 2017 , 10, 614-618	1
266	Prototype of a wearable system for personal health control. 2017 ,	2
265	Lab-on-a-Chip Platforms for Disease Detection and Diagnosis. 2017 , 155-181	2
264	. 2017 ,	4
263	Resilient IoT eHealth solutions in case of disasters. 2017 ,	5
262	Research Challenges of Emerging Technologies Supporting Life-Long Health and Wellbeing. 2017 ,	1
261	The relationship between physical activity and post-operative length of hospital stay: A systematic review. 2017 , 44, 295-302	18
260	Managing personal health records using meta-data and cloud storage. 2017 ,	4
259	Mobile Sensors and Wearable Technology. 2017 , 113-119	3
258	Using Mobile Tracking Technology to Visualize the Trajectory of Recovery After Hip Arthroscopy: a Case Report. 2017 , 13, 194-200	7
257	Photonic crystals: emerging biosensors and their promise for point-of-care applications. 2017 , 46, 366-388	238
256	Materials and Device Designs for an Epidermal UV Colorimetric Dosimeter with Near Field Communication Capabilities. 2017 , 27, 1604465	108
255	Lifelogging as a Viable Data Source for NeuroIS Researchers: A Review of Neurophysiological Data Types Collected in the Lifelogging Literature. 2017 , 165-174	4
254	Measuring Human Senses and the Touristic Experience: Methods and Applications. 2017 , 47-63	2
253	A sneak peek into digital innovations and wearable sensors for cardiac monitoring. 2017 , 31, 253-259	32

252	A Rehabilitation-Internet-of-Things in the Home to Augment Motor Skills and Exercise Training. 2017 , 31, 217-227	65
251	An IoT Approach to Personalised Remote Monitoring and Management of Epilepsy. 2017 ,	1
250	The use of mobile devices for physical activity tracking in older adults' everyday life. 2017 , 3, 2055207617740088	88
249	Feasibility of Internet of Things Technologies to Support Aging. 2017 ,	1
248	Feasibility of using a smart unobtrusive wearable system for the autonomic characterisation of endurance trail runners. 2017 ,	
247	Three-level hierarchical data fusion through the IoT, edge, and cloud computing. 2017 ,	3
246	Using patient data to optimize an expert-based guideline on convalescence recommendations after gynecological surgery: a prospective cohort study. 2017 , 17, 129	8
245	The Present Situation and Trend of Wearable Equipment in Electric Field Application. 2017 , 139, 00126	
244	The Application of Wireless Sensor Networks and Wearable Technologies for Educational Purposes. 2017 ,	0
243	Materials and Wearable Devices for Autonomous Monitoring of Physiological Markers. 2018 , 30, e1705024	110
242	Telemedizinische Erfassung von Patient-reported outcomes 2018 , 33, 94-100	
241	Computerised decision support in physical activity interventions: A systematic literature review. 2018 , 111, 7-16	10
240	Barriers to the Adoption of Wearable Sensors in the Workplace: A Survey of Occupational Safety and Health Professionals. 2018 , 60, 351-362	73
239	CUIDATS: An RFID-WSN hybrid monitoring system for smart health care environments. 2018 , 78, 602-615	83
238	Patient Autonomy and Quality of Care in Telehealthcare. 2018 , 24, 93-107	17
237	The usefulness and actual use of wearable devices among the elderly population. 2018 , 153, 137-159	68
236	Wearable Chemosensors: A Review of Recent Progress. 2018 , 7, 118-130	25
235	Yield of atrial fibrillation detection with Textile Wearable Holter from the acute phase of stroke: Pilot study of Crypto-AF registry. 2018 , 251, 45-50	31

234	Smart Materials for Wearable Healthcare Devices. 2018,	2
233	Using home sensing technology to assess outcome and recovery after hip and knee replacement in the UK: the HEMiSPHERE study protocol. 2018, 8, e021862	10
232	Gait Recognition with Smart Devices Assisting Postoperative Rehabilitation in a Clinical Setting. 2018,	
231	Healthcare Opportunities. 2018,	0
230	Synthesis and morphological characterization of Li-Ti/PVP fibers as precursors for Li ₄ Ti ₅ O ₁₂ towards its future use as anode materials in Li-ion fiber batteries by means of Electrospinning. 2018, 437, 012016	
229	A Wearable Wireless Medical Sensor Network System Towards Internet-of-Patients. 2018,	5
228	Acceptance of a new non-invasive fetal monitoring system and attitude for telemedicine approaches in obstetrics: a case-control study. 2018, 298, 1085-1093	6
227	Use of technology for care coordination initiatives for patients with mental health issues: a systematic literature review. 2018, 14, 2337-2349	17
226	Enabling Technologies for Operator 4.0: A Survey. 2018, 8, 1650	82
225	Enhanced Recovery After Surgery and Future Directions. 2018, 98, 1287-1292	9
224	Effective Remote Monitoring System for Heart Disease Patients. 2018,	5
223	A Fuzzy Expert System for Infection Screening Based on Vital Signs and Activity Data. 2018,	
222	Personalized medicine: motivation, challenges, and progress. 2018, 109, 952-963	91
221	Wearable Health Devices-Vital Sign Monitoring, Systems and Technologies. 2018, 18,	309
220	Precision Medicine in Parkinson's Disease - Exploring Patient-Initiated Self-Tracking. 2018, 8, 441-446	13
219	Review of Stratum Corneum Impedance Measurement in Non-Invasive Penetration Application. 2018, 8,	42
218	Sensors Based on Bio and Biomimetic Receptors in Medical Diagnostic, Environment, and Food Analysis. 2018, 8,	62
217	Sensors and Functionalities of Non-Invasive Wrist-Wearable Devices: A Review. 2018, 18,	117

216	Challenges for Deploying IoT Wearable Medical Devices Among the Ageing Population. 2018 , 286-295	
215	Systems Biology, Systems Medicine, Systems Pharmacology: The What and The Why. 2018 , 66, 345-365	26
214	Quantified seniors 2018 , 13, 353-360	4
213	. 2018 ,	2
212	Generic Design and Advances in Wearable Sensor Technology. 2018 , 155-171	
211	A Commercially Available Capacitive Stretch-Sensitive Sensor for Measurement of Rotational Neck Movement in Healthy People: Proof of Concept. 2019 , 2019, 163-168	2
210	Sensor-Classifer Co-Optimization for Wearable Human Activity Recognition Applications. 2019 ,	1
209	Distributed system for long-term monitoring of cardiopulmonary activity. 2019 ,	
208	A novel cascaded deep neural network for analyzing smart phone data for indoor localization. 2019 , 101, 760-769	9
207	Adding wisdom to 'smart' bioelectronic systems: a design framework for physiologic control including practical examples. 2019 , 2, 29-41	10
206	Learning the Orientation of a Loosely-Fixed Wearable IMU Relative to the Body Improves the Recognition Rate of Human Postures and Activities. 2019 , 19,	4
205	Designing batteryless wearables for hospitalized older people. 2019 ,	5
204	Wireless sensor networks towards convenient infrastructure in the healthcare industry: A systematic study. 2019 , 31-46	2
203	An Infrastructure for Wearable Environments Acquisition and Representation. 2019 ,	2
202	Conducting Human-Centered Building Science at the Well Living Lab. 2019 , 3, 161-173	4
201	Sensitive medical data transmission and maintaining data quality using bacterial bee swarmBased hybrid lifetime maximization large-scale ad hoc routing protocol. 2019 , e5509	
200	A Correlation-based Biometric Identification Technique for ECG, PPG and EMG. 2019 ,	6
199	LabVIEW based Alert System for Elderly Bedridden Cardiovascular Patients. 2019 ,	

198	Gait Pattern Recognition Using a Smartwatch Assisting Postoperative Physiotherapy. 2019 , 13, 245-257	2
197	Ambulatory cardiac bio-signals: From mirage to clinical reality through a decade of progress. 2019 , 130, 103928	6
196	Reduced Graphene Oxide/Mesoporous ZnO NSs Hybrid Fibers for Flexible, Stretchable, Twisted, and Wearable NO E-Textile Gas Sensor. 2019 , 4, 2809-2818	64
195	Automatic real-time gait event detection in children using deep neural networks. 2019 , 14, e0211466	33
194	Digital Health Innovation Ecosystems. 2019 , 8, 1-14	5
193	Genes for Good: Engaging the Public in Genetics Research via Social Media. 2019 , 105, 65-77	8
192	Mean nocturnal respiratory rate predicts cardiovascular and all-cause mortality in community-dwelling older men and women. 2019 , 54,	10
191	Technology for Behavioral Change in Rural Older Adults with Obesity. 2019 , 38, 130-148	13
190	Single-Molecule Detection of DNA in a Nanochannel by High-Field Strength-Assisted Electrical Impedance Spectroscopy. 2019 , 10,	1
189	A flexible active dual-parameter sensor for sensitive temperature and physiological signal monitoring via integrating thermoelectric and piezoelectric conversion. 2019 , 7, 8258-8267	38
188	Precision medicine in resistant Tuberculosis: Treat the correct patient, at the correct time, with the correct drug. 2019 , 78, 261-268	9
187	Hierarchical data fusion for Smart Healthcare. 2019 , 6,	47
186	Identifying behavioural changes for health monitoring applications using the advanced metering infrastructure. 2019 , 38, 1154-1166	6
185	Fabrication of Stress and Temperature Measurement Sensors and Possible Integration with Fabricated Biodegradable Drug Delivery Device. 2019 , 1-9	3
184	Significance of Nanomaterials in Wearables: A Review on Wearable Actuators and Sensors. 2019 , 31, e1805921	293
183	Evaluation of a Wearable Device to Determine Cardiorespiratory Parameters From Surface Diaphragm Electromyography. 2019 , 23, 1964-1971	6
182	Effective Handling Personal Electronic Health Records Using Metadata Over Cloud Computing. 2019 , 415-426	1
181	Secure and efficient data delivery for fog-assisted wireless body area networks. 2019 , 12, 1289-1307	8

180	mHealth: Smart Wearable Devices and the Challenges of a Refractory Context. 2019 , 347-367	
179	Potentiometry as a Tool for Monitoring of Antioxidant Activity and Oxidative Stress Estimation in Medicine. 2019 , 49, 150-159	3
178	Is TAVR Ready for the Global Aging Population?. 2017 , 12, 291-299	6
177	Digital Follow-Up and the Perspective of Patient-Centered Care in Oncology: What's the PROblem?. 2020 , 98, 379-385	9
176	Self-monitoring Usability evaluation of heart rate monitoring using wearable devices in patients with acquired brain injury. 2020 , 22, 364-372	2
175	Advanced materials of printed wearables for physiological parameter monitoring. 2020 , 32, 147-177	59
174	A comparative study of engagement in mobile and wearable health monitoring for bipolar disorder. 2020 , 22, 182-190	19
173	Maintenance of complex, converged, and interoperable medical device/information systems. 2020 , 638-643	
172	Integrated Multimedia City Data (iMCD): A composite survey and sensing approach to understanding urban living and mobility. 2020 , 80, 101427	7
171	Recent advances and perspectives in sweat based wearable electrochemical sensors. 2020 , 131, 116024	55
170	A survey of research trends in assistive technologies using information modelling techniques. 2020 , 1-19	7
169	Surface Immobilized Nucleic Acid-Transcription Factor Quantum Dots for Biosensing. 2020 , 9, e2000403	6
168	A wearable system for respiratory and pace monitoring in running activities: a feasibility study. 2020 ,	1
167	Unblackboxing Smart Things: A Multilayer Taxonomy and Clusters of Nontechnical Smart Thing Characteristics. 2020 , 1-15	2
166	Homogeneous Data Normalization and Deep Learning: A Case Study in Human Activity Classification. 2020 , 12, 194	7
165	Innovations to improve access to musculoskeletal care. 2020 , 34, 101559	10
164	Protocol for a prospective, controlled, cross-sectional, diagnostic accuracy study to evaluate the specificity and sensitivity of ambulatory monitoring systems in the prompt detection of hypoxia and during movement. 2020 , 10, e034404	9
163	Microfluidics by Additive Manufacturing for Wearable Biosensors: A Review. 2020 , 20,	13

162	Decisional Support System with Artificial Intelligence oriented on Health Prediction using a Wearable Device and Big Data. 2020 ,	4
161	The Internet of Bodies Needs a Human Data Model. 2020 , 24, 28-37	8
160	RELAS: A reliable authentication system for patient monitoring using IoT. 2020 , 24, 83-93	
159	lot based Industrial Sensor Monitoring and Alerting System using Raspberry Pi. 2020 , 981, 042010	
158	Using digital health technology to evaluate the impact of chocolate on blood pressure: Results from the COCOA-BP study.. 2020 , 1, 89-96	0
157	An API for Wearable Environments Development and Its Application to mHealth Field. 2020 , 20,	0
156	Clinical Data Fusion and Machine Learning Techniques for Smart Healthcare. 2020 ,	3
155	Determining Physical Activity Characteristics from Wristband Data for Use in Automated Insulin Delivery Systems. 2020 , 20, 12859-12870	17
154	Feasibility and reliability of continuously monitoring alcohol use among female adolescents and young adults. 2021 , 40, 1143-1154	2
153	Personal productivity monitoring through smartphones. 2020 , 12, 327-341	1
152	Literature Review on Transfer Learning for Human Activity Recognition Using Mobile and Wearable Devices with Environmental Technology. 2020 , 1, 1	18
151	State transition modeling of complex monitored health data. 2020 , 47, 1915-1935	
150	Examining the design, manufacturing and analytics of smart wearables. 2020 , 3, e10087	5
149	Wearable Devices for Ambulatory Cardiac Monitoring: JACC State-of-the-Art Review. 2020 , 75, 1582-1592	76
148	Two-Electrode ECG for Ambulatory Monitoring with Minimal Hardware Complexity. 2020 , 20,	7
147	Methods for Adventitious Respiratory Sound Analyzing Applications Based on Smartphones: A Survey. 2021 , 14, 98-115	3
146	Echo state learned compositional pattern neural networks for the early diagnosis of cancer on the internet of medical things platform. 2021 , 12, 3303-3316	2
145	Recent developments in biosensors for healthcare and biomedical applications: A review. 2021 , 167, 108293	55

144	Administrative and Registry Databases for Patient Safety Tracking and Quality Improvement. 2021 , 101, 121-134	2
143	A smart wearable device for monitoring and self-management of diabetic foot: A proof of concept study. 2021 , 146, 104343	7
142	Human Data Model: An Approach for IoT Applications Development for Elderly Healthcare. 2021 , 111-120	
141	State of the Art on Wearable and Implantable Devices for Cardiac and Respiratory Monitoring. 2021 , 353-362	1
140	IoT Wearable Devices for Health Issue Monitoring Using 5G Networks [Opportunities and Challenges. 2021 , 521-530	1
139	Approach for the Development of a System for COVID-19 Preliminary Test. 2021 , 117-124	0
138	Machine and Deep Learning Algorithms for Wearable Health Monitoring. 2021 , 105-160	2
137	Mobile health technology for remote home monitoring after surgery: a meta-analysis. 2021 , 108, 1304-1314	1
136	Values and Risks Associated with Smart Health. 2021 , 101-111	
135	Sensor-based platforms for remote management of chronic diseases in developing regions: A qualitative approach examining the perspectives of healthcare professionals. 2021 , 27, 1460458220979350	0
134	Ethical Challenges With Smartwatch-Based Screening for Atrial Fibrillation: Putting Users at Risk for Marketing Purposes?. 2020 , 7, 615927	1
133	The early warning research on nursing care of stroke patients with intelligent wearable devices under COVID-19. 2021 , 1-13	
132	Wearable Technology Adaptation to Aviation Cabin Crew's Fatigue Assessments. 2021 , 246-257	1
131	Mobile Sensors and Wearable Technology. 2021 , 507-515	
130	Sensors and their application. 2021 , 177-195	0
129	Home-Based Online Multisensory Arm Rehabilitation Monitoring System. 2021 , 1793, 012017	1
128	Feasibility of continuous monitoring of vital signs in surgical patients on a general ward: an observational cohort study. 2021 , 11, e042735	10
127	Design and validation of a smart garment to measure positioning practices of parents with young infants. 2021 , 62, 101530	2

126	Smart Patch for Skin Temperature: Preliminary Study to Evaluate Psychometrics and Feasibility. 2021 , 21,	5
125	Wearable pulse oximeters in the prompt detection of hypoxaemia and during movement: a diagnostic accuracy study (Preprint).	1
124	Reliability of heart rate and respiration rate measurements with a wireless accelerometer in postbariatric recovery. 2021 , 16, e0247903	3
123	A Brief Review on the Sensor Measurement Solutions for the Ten-Meter Walk Test. 2021 , 10, 49	0
122	Validity and reliability of a wearable-controlled serious game and goniometer for telemonitoring of wrist fracture rehabilitation. 2021 , 1	1
121	Protocol for a systematic review assessing ambulatory vital sign monitoring impact on deterioration detection and related clinical outcomes in hospitalised patients. 2021 , 11, e047715	1
120	BandPass: A Bluetooth-Enabled Remote Monitoring Device for Sarcopenia. 2021 , 2021,	1
119	Biodegradable Implantable Sensors: Materials Design, Fabrication, and Applications. 2104149	10
118	Smart City Management in the Context of Electricity Consumption Savings. 2021 , 14, 6170	2
117	The impact of wearable continuous vital sign monitoring on deterioration detection and clinical outcomes in hospitalised patients: a systematic review and meta-analysis. 2021 , 25, 351	2
116	Improving Healthy Aging by Monitoring Patients' Lifestyle through a Wearable Device: Results of a Feasibility Study. 2021 , 18,	0
115	Design and Implementation of a Platform for Wearable/Mobile Smart Environments. 2021 , 1-15	3
114	Evaluation of Motion Characteristics Using Absolute Sensors. 2021 , 309-318	
113	Smartband Use During Enhanced Recovery After Surgery Facilitates Inpatient Recuperation Following Minimally Invasive Colorectal Surgery. 2020 , 7, 608950	1
112	Bending Analysis of Polymer-Based Flexible Antennas for Wearable, General IoT Applications: A Review. 2021 , 13,	16
111	An Introduction to Personalized eHealth. 2020 , 53-70	7
110	Willingness of Older Adults to Share Mobile Health Data with Researchers. 2018 , 31, 41-49	15
109	DyNeuMo Mk-1: Design and Pilot Validation of an Investigational Motion-Adaptive Neurostimulator with Integrated Chronotherapy.	3

108	Adherence to Personal Health Devices. 2020,	7
107	A novel low-complexity digital filter design for wearable ECG devices. 2017, 12, e0175139	8
106	Digitally enhanced recovery: Investigating the use of digital self-tracking for monitoring leisure time physical activity of cardiovascular disease (CVD) patients undergoing cardiac rehabilitation. 2017, 12, e0186261	19
105	Clinicians' perspectives on inertial measurement units in clinical practice. 2020, 15, e0241922	14
104	A Web-Based Survey Assessing the Attitudes of Health Care Professionals in Germany Toward the Use of Telemedicine in Pregnancy Monitoring: Cross-Sectional Study. 2018, 6, e10063	11
103	Accuracy of Apple Watch Measurements for Heart Rate and Energy Expenditure in Patients With Cardiovascular Disease: Cross-Sectional Study. 2019, 7, e11889	38
102	Relevance of Activity Tracking With Mobile Devices in the Relationship Between Physical Activity Levels and Satisfaction With Physical Fitness in Older Adults: Representative Survey. 2019, 2, e12303	5
101	Examining the Use of Glucose and Physical Activity Self-Monitoring Technologies in Individuals at Moderate to High Risk of Developing Type 2 Diabetes: Randomized Trial. 2019, 7, e14195	14
100	Continuous Monitoring of Vital Signs in the General Ward Using Wearable Devices: Randomized Controlled Trial. 2020, 22, e15471	19
99	Patient-Reported Outcome Measures of Utilizing Person-Generated Health Data in the Case of Simulated Stroke Rehabilitation: Development Method. 2020, 9, e16827	2
98	Current Evidence for Continuous Vital Signs Monitoring by Wearable Wireless Devices in Hospitalized Adults: Systematic Review. 2020, 22, e18636	46
97	Using eHealth to Support COVID-19 Education, Self-Assessment, and Symptom Monitoring in the Netherlands: Observational Study. 2020, 8, e19822	36
96	Using Wearable Devices to Monitor Physical Activity in Patients Undergoing Aortic Valve Replacement: Protocol for a Prospective Observational Study. 2020, 9, e20072	2
95	Wearability Testing of Ambulatory Vital Sign Monitoring Devices: Prospective Observational Cohort Study. 2020, 8, e20214	10
94	Diffusion of the Digital Health Self-Tracking Movement in Canada: Results of a National Survey. 2018, 20, e177	34
93	Ownership and Use of Commercial Physical Activity Trackers Among Finnish Adolescents: Cross-Sectional Study. 2017, 5, e61	15
92	Continuous Monitoring of Vital Signs Using Wearable Devices on the General Ward: Pilot Study. 2017, 5, e91	92
91	Patient-Reported Outcome Measures of Utilizing Person-Generated Health Data in the Case of Simulated Stroke Rehabilitation: Development Method (Preprint).	1

90	Current Evidence for Continuous Vital Signs Monitoring by Wearable Wireless Devices in Hospitalized Adults: Systematic Review (Preprint).	2
89	Using eHealth to Support COVID-19 Education, Self-Assessment, and Symptom Monitoring in the Netherlands: Observational Study (Preprint).	1
88	Wearability Testing of Ambulatory Vital Sign Monitoring Devices: Prospective Observational Cohort Study (Preprint).	1
87	Usability Evaluation for the Amulet Wearable Device in Rural Older Adults with Obesity. 2018 , 17, 151-159	7
86	Enhanced recovery after surgery: Current research insights and future direction. 2017 , 9, 37-45	41
85	Mobile 5P-Medicine Approach for Cardiovascular Patients. 2021 , 21,	3
84	Making the Physical Therapy Entertaining. 2015 , 148-154	
83	e-Comorbidity and Information Technology. 2017 , 405-424	
82	Advancing Personal Learning Using the Internet of Things. 2017 , 240-256	
81	Diffusion of the Digital Health Self-Tracking Movement in Canada: Results of a National Survey (Preprint).	
80	Diffusion of the Digital Health Self-tracking Movement in Canada.	
79	Textile Sensor Platform (TSP) - Development of a Textile Real-Time Electrocardiogram. 2018 , 359-370	1
78	Adoption of Sensors in Mobile Health. 2018 , 257-281	
77	Attitudes towards telemedicine in pregnancy monitoring: A questionnaire survey among health care professionals in Germany (Preprint).	
76	Relevance of Activity Tracking With Mobile Devices in the Relationship Between Physical Activity Levels and Satisfaction With Physical Fitness in Older Adults: Representative Survey (Preprint).	
75	Advancing Personal Learning and Transdisciplinarity for Developing Identity and Community. 2019 , 282-305	
74	Evaluating the accuracy of the VitalWellness device. 2019 , 5, 109	
73	Continuous Monitoring of Vital Signs in the General Ward Using Wearable Devices: Randomized Controlled Trial (Preprint).	

72	Using Wearable Devices to Monitor Physical Activity in Patients Undergoing Aortic Valve Replacement: Protocol for a Prospective Observational Study (Preprint).	
71	Smart Health: Sensors, Big Data, and Cloud Computing in the Health Sector in the U.A.E. 2020 ,	
70	Review on Biomedical Sensors, Technologies and Algorithms for Diagnosis of Sleep Disordered Breathing: Comprehensive Survey. 2020 , PP,	3
69	Advancing Personal Learning Using the Internet of Things. 2020 , 1733-1749	
68	Guidelines for Developing Patient Education Materials. 2020 , 145-160	0
67	Miniature Sono-Electrochemical Platform Enabling Effective and Gentle Electrode Biofouling Removal for Continuous Sweat Measurements. 2021 , 133354	0
66	Aadhaar-Based Authentication and Authorization Scheme for Remote Healthcare Monitoring. 2021 , 311-318	
65	A Review of MAC Layer for Wireless Body Area Network. 2021 , 41, 767	1
64	Optimizing Outcomes with Enhanced Recovery. 2022 , 121-139	
63	A Perspective Roadmap for IoMT-Based Early Detection and Care of the Neural Disorder, Dementia. 2021 , 2021, 6712424	8
62	The New Era of Technology Applied to Cardiovascular Patients: State-of-the-Art and Questionnaire Applied for a System Proposal. 2021 , 267-278	
61	Channel Modeling and Characterization for VLC-Based Medical Body Sensor Networks: Trends and Challenges. 2021 , 9, 153401-153419	2
60	Design Of A Model For Multi-Parametric Health Monitoring System. 2020 ,	0
59	The Use of Wearable Pulse Oximeters in the Prompt Detection of Hypoxemia and During Movement: Diagnostic Accuracy Study.. 2022 , 24, e28890	1
58	Arguments for Emerging Technologies Applications to Improve Manufacturing Warehouse Ergonomics. 2022 , 115-164	0
57	DyNeuMo Mk-1: Design and pilot validation of an investigational motion-adaptive neurostimulator with integrated chronotherapy.. 2022 , 351, 113977	2
56	Recent progress and growth in biosensors technology: A critical review. 2022 ,	13
55	Reconfigurable Architectures with High-Frequency Noise Suppression for Wearable ECG Devices.. 2021 , 2021, 1552641	3

54	A Survey on the Application of Mobile Communication Devices in Remote Cardiac Monitoring Systems. 2022 , 299-311	
53	Classification of Daily Lifestyle Based on Body Activities Obtained from Wearable Devices. 2022 , 249-259	
52	Top-Down Detection of Eating Episodes by Analyzing Large Windows of Wrist Motion Using a Convolutional Neural Network.. 2022 , 9,	0
51	Remote Monitoring of Chronic Critically Ill Patients after Hospital Discharge: A Systematic Review.. 2022 , 11,	1
50	Use, and acceptability, of digital health technologies in musculoskeletal physical therapy: A survey of physical therapists and patients.. 2022 ,	1
49	A research on the perceptions of individuals and health professionals about the wearable technologies used in healthcare services.	
48	Modern methods of remote monitoring and rehabilitation of patients with cardiovascular diseases. 2022 , 11, 112-123	1
47	Feasibility of wireless continuous monitoring of vital signs without using alarms on a general surgical ward: A mixed methods study.. 2022 , 17, e0265435	
46	Smart wearable model for predicting heart disease using machine learning. 1	0
45	Channel Modeling and Characterization for VLC-based MBSNs Impaired by 3D User Mobility. 2021 ,	
44	Wearable E-Textile and CNT Sensor Wireless Measurement System for Real-Time Penile Erection Monitoring.. 2021 , 22,	0
43	Aligning Patient's Ideas of a Good Life with Medically Indicated Therapies in Geriatric Rehabilitation Using Smart Sensors.. 2021 , 21,	
42	Accurate Estimation of Heart and Respiration Rates Based on an Optical Fiber Sensor Using Adaptive Regulations and Statistical Classifications Spectrum Analysis.. 2021 , 3, 747460	0
41	Oxygen saturation measurements using novel diffused reflectance with hyperspectral imaging: Towards facile COVID-19 diagnosis.. 2022 , 54, 322	0
40	Conflicting Aims and Values in the Application of Smart Sensors in Geriatric Rehabilitation: Ethical Analysis (Preprint).	
39	Internet of Things use case applications for COVID-19. 2022 , 377-412	
38	An Efficient Multi-dimensional Data Aggregation Scheme for Fog-Assisted Wireless Body Area Network. 2022 , 2290, 012097	
37	Conflicting Aims and Values in the Application of Smart Sensors in Geriatric Rehabilitation: Ethical Analysis. 2022 , 10, e32910	0

- 36 On Body Vitals Monitoring for Disease Prediction: A Systematic Survey. **2022**, 177-195
- 35 Simultaneous Real-Time Human Fall Detection and Reidentification Based on Multisensors Data. **2022**,
- 34 A review on bending analysis of polymer-based flexible patch antenna for IoT and wireless applications. **2022**,
- 33 Remote Patient Monitoring: Data Sharing and Prediction Using Machine Learning. **2022**, 317-337
- 32 Key Stakeholder Barriers and Facilitators to Implementing Remote Monitoring Technologies: Protocol for a Mixed Methods Analysis. **2022**, 11, e38437
- 31 Next generation smartwatches to estimate whole body composition using bioimpedance analysis: accuracy and precision in a diverse multiethnic sample. ○
- 30 Key Stakeholder Barriers and Facilitators to Implementing Remote Monitoring Technologies: Protocol for a Mixed Methods Analysis (Preprint).
- 29 Self-Powered Wearable Piezoelectric Monitoring of Human Motion and Physiological Signals for the Postpandemic Era: A Review. 2200318 2
- 28 IKT-Nutzung im Kontext von Gesundheit und Fitness im Alter. **2022**, 3-26 ○
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- 23 Personalized medicine: current trends and prospects. **2022**, 67, 14-21 ○
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18	eHealth: A Survey of Architectures, Developments in mHealth, Security Concerns and Solutions. 2022 , 19, 13071	3
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