

Mohanraj Karunanithi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6770166/publications.pdf>

Version: 2024-02-01

68
papers

2,021
citations

361413

20
h-index

289244

40
g-index

78
all docs

78
docs citations

78
times ranked

3796
citing authors

#	ARTICLE	IF	CITATIONS
1	The Smarter Safer Homes Solution to Support Older People Living in Their Own Homes Through Enhanced Care Models: Protocol for a Stratified Randomized Controlled Trial. JMIR Research Protocols, 2022, 11, e31970.	1.0	5
2	A prospective cohort study of prodromal Alzheimer's disease: Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA). Neurolmage: Clinical, 2021, 29, 102527.	2.7	19
3	Patient Perspectives on Innovative Telemonitoring Enhanced Care Program for Chronic Heart Failure (ITEC-CHF): Usability Study. JMIR Cardio, 2021, 5, e24611.	1.7	3
4	Home-Based Sleep Sensor Measurements in an Older Australian Population: Before and during a Pandemic. Sensors, 2021, 21, 5993.	3.8	5
5	Technology-assisted quantification of movement to predict infants at high risk of motor disability: A systematic review. Research in Developmental Disabilities, 2021, 118, 104071.	2.2	9
6	Lifespace metrics of older adults with mild cognitive impairment and dementia recorded via geolocation data. Australasian Journal on Ageing, 2021, , .	0.9	8
7	On multi-resident activity recognition in ambient smart-homes. Artificial Intelligence Review, 2020, 53, 3929-3945.	15.7	16
8	Use of eHealth in the management of pulmonary arterial hypertension: review of the literature. BMJ Health and Care Informatics, 2020, 27, e100176.	3.0	6
9	Mixed-dependency models for multi-resident activity recognition in smart homes. Multimedia Tools and Applications, 2020, 79, 23445-23460.	3.9	9
10	Sequence Classification Restricted Boltzmann Machines With Gated Units. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4806-4815.	11.3	6
11	A Smartphone App for Patients With Acute Coronary Syndrome (MoTER-ACS): User-Centered Design Approach. JMIR Formative Research, 2020, 4, e17542.	1.4	3
12	The Effects of Telemonitoring on Patient Compliance With Self-Management Recommendations and Outcomes of the Innovative Telemonitoring Enhanced Care Program for Chronic Heart Failure: Randomized Controlled Trial. Journal of Medical Internet Research, 2020, 22, e17559.	4.3	45
13	Evaluation of an innovative mobile health programme for the self-management of chronic obstructive pulmonary disease (MH-COPD): protocol of a randomised controlled trial. BMJ Open, 2019, 9, e025381.	1.9	12
14	Rethinking Models of Outpatient Specialist Care in Type 2 Diabetes Using eHealth: Study Protocol for a Pilot Randomised Controlled Trial. International Journal of Environmental Research and Public Health, 2019, 16, 959.	2.6	12
15	Mobile-based insulin dose adjustment for type 2 diabetes in community and rural populations: study protocol for a pilot randomized controlled trial. Therapeutic Advances in Endocrinology and Metabolism, 2019, 10, 204201881983664.	3.2	5
16	Outcomes of a feasibility trial using an innovative mobile health programme to assist in insulin dose adjustment. BMJ Health and Care Informatics, 2019, 26, e100068.	3.0	7
17	International feasibility trial on the use of an interactive mobile health platform for cardiac rehabilitation: protocol of the Diversity 1 study. BMJ Health and Care Informatics, 2019, 26, e100042.	3.0	1
18	User Experience of an Innovative Mobile Health Program to Assist in Insulin Dose Adjustment: Outcomes of a Proof-Of-Concept Trial. Telemedicine Journal and E-Health, 2018, 24, 536-543.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Watching over me: positive, negative and neutral perceptions of in-home monitoring held by independent-living older residents in an Australian pilot study. <i>Ageing and Society</i> , 2018, 38, 1377-1398.	1.7	17
20	Increasing Health Care Adherence Through Gamification, Video Feedback, and Real-World Rewards. , 2018, 2018, 1584-1587.		4
21	Multi-Residential Activity Labelling in Smart Homes with Wearable Tags Using BLE Technology. <i>Sensors</i> , 2018, 18, 908.	3.8	24
22	Multidisciplinary Smartphone-Based Interventions to Empower Patients With Acute Coronary Syndromes: Qualitative Study on Health Care Providersâ€™ Perspectives. <i>JMIR Cardio</i> , 2018, 2, e10183.	1.7	9
23	Self-Management Education Through mHealth: Review of Strategies and Structures. <i>JMIR MHealth and UHealth</i> , 2018, 6, e10771.	3.7	47
24	BLUESOUND: A New Resident Identification Sensorâ€™ Using Ultrasound Array and BLE Technology for Smart Home Platform. <i>IEEE Sensors Journal</i> , 2017, 17, 1503-1512.	4.7	43
25	Predicting food nutrition facts using pocket-size near-infrared sensor. , 2017, 2017, 742-745.		17
26	Innovative Telemonitoring Enhanced Care Programme for Chronic Heart Failure (ITEC-CHF) to improve guideline compliance and collaborative care: protocol of a multicentre randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e017550.	1.9	14
27	Remote Monitoring of Patients With Heart Failure: An Overview of Systematic Reviews. <i>Journal of Medical Internet Research</i> , 2017, 19, e18.	4.3	216
28	Understanding Smart Home Sensor Data for Ageing in Place Through Everyday Household Routines: A Mixed Method Case Study. <i>JMIR MHealth and UHealth</i> , 2017, 5, e52.	3.7	24
29	Gait Velocity Estimation Using Time-Interleaved Between Consecutive Passive IR Sensor Activations. <i>IEEE Sensors Journal</i> , 2016, 16, 6351-6358.	4.7	15
30	Feasibility of unobtrusive ambient sensors for fall detections in home environment. , 2016, 2016, 566-569.		6
31	Examining an Australian physical activity and nutrition intervention using RE-AIM. <i>Health Promotion International</i> , 2016, 31, 450-458.	1.8	17
32	Smartphone app a lifesaver for patients after myocardial infarction. <i>Medical Journal of Australia</i> , 2015, 202, 404-404.	1.7	0
33	Unsupervised daily routine and activity discovery in smart homes. , 2015, 2015, 5497-500.		9
34	Contactless monitoring for sleep disordered-breathing, respiratory and cardiac co-morbidity in an elderly independent living cohort. , 2015, , .		2
35	Use of Smartphones to Estimate Carbohydrates in Foods for Diabetes Management. <i>Studies in Health Technology and Informatics</i> , 2015, 214, 121-7.	0.3	3
36	Mobile health applications in cardiac care. <i>Interventional Cardiology</i> , 2014, 6, 227-240.	0.0	17

#	ARTICLE	IF	CITATIONS
37	Activity of Daily Living assessment through wireless sensor data. , 2014, 2014, 1752-5.		14
38	A pilot study of a mobile-phone-based home monitoring system to assist in remote interventions in cases of acute exacerbation of COPD. Journal of Telemedicine and Telecare, 2014, 20, 128-134.	2.7	21
39	Smartphone-based home care model improved use of cardiac rehabilitation in postmyocardial infarction patients: results from a randomised controlled trial. Heart, 2014, 100, 1770-1779.	2.9	404
40	Effectiveness of a Web- and Mobile Phone-Based Intervention to Promote Physical Activity and Healthy Eating in Middle-Aged Males: Randomized Controlled Trial of the ManUp Study. Journal of Medical Internet Research, 2014, 16, e136.	4.3	131
41	Measuring the Lifespace of People With Parkinsonâ€™s Disease Using Smartphones: Proof of Principle. JMIR MHealth and UHealth, 2014, 2, e13.	3.7	58
42	Examining Participant Engagement in an Information Technology-Based Physical Activity and Nutrition Intervention for Men: The Manup Randomized Controlled Trial. JMIR Research Protocols, 2014, 3, e2.	1.0	47
43	A review of the nature and effectiveness of nutrition interventions in adult males â€“ a guide for intervention strategies. International Journal of Behavioral Nutrition and Physical Activity, 2013, 10, 13.	4.6	33
44	Evaluation of realtime people tracking for indoor environments using ubiquitous motion sensors and limited wireless network infrastructure. Pervasive and Mobile Computing, 2013, 9, 498-515.	3.3	13
45	What Kinds of Website and Mobile Phoneâ€™Delivered Physical Activity and Nutrition Interventions Do Middle-Aged Men Want?. Journal of Health Communication, 2013, 18, 1070-1083.	2.4	42
46	Determination of Activities of Daily Living of independent living older people using environmentally placed sensors. , 2013, 2013, 7044-7.		23
47	A Cardiovascular Mathematical Model of Graded Head-Up Tilt. PLoS ONE, 2013, 8, e77357.	2.5	31
48	Integrating a mobile health setup in a chronic disease management network. Studies in Health Technology and Informatics, 2013, 188, 20-5.	0.3	1
49	Monitoring ambulation of patients in geriatric rehabilitation wards. International Journal of Rehabilitation Research, 2012, 35, 375-377.	1.3	7
50	A mobile-health system to manage Chronic Obstructive Pulmonary Disease patients at home. , 2012, 2012, 2178-81.		25
51	Theoretical Foundations of a Starlingâ€™Like Controller for Rotary Blood Pumps. Artificial Organs, 2012, 36, 787-796.	1.9	62
52	Effectiveness of a website and mobile phone based physical activity and nutrition intervention for middle-aged males: Trial protocol and baseline findings of the ManUp Study. BMC Public Health, 2012, 12, 656.	2.9	34
53	Review of Accelerometry for Determining Daily Activity Among Elderly Patients. Archives of Physical Medicine and Rehabilitation, 2011, 92, 998-1014.	0.9	70
54	A mobile phone-based care model for outpatient cardiac rehabilitation: the care assessment platform (CAP). BMC Cardiovascular Disorders, 2010, 10, 5.	1.7	68

#	ARTICLE	IF	CITATIONS
55	Care assessment platform: An ICT-enabled home care model for secondary prevention of cardiovascular diseases. , 2010, 2010, 5266.		5
56	Can a mobile phone be used as a pedometer in an outpatient cardiac rehabilitation program?. , 2010, , .		7
57	Evaluation of ambulatory ECG sensors for a clinical trial on outpatient cardiac rehabilitation. , 2010, , .		2
58	Automatic Detection of Respiration Rate From Ambulatory Single-Lead ECG. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 890-896.	3.2	76
59	A Home-Based Care Model of Cardiac Rehabilitation Using Digital Technology. Series in Biomedical Engineering, 2009, , 329-352.	0.5	3
60	Simulated fall detection via accelerometers. , 2008, 2008, 1274-7.		21
61	Improving the Use, Analysis and Integration of Patient Health Data. Lecture Notes in Computer Science, 2008, , 74-84.	1.3	1
62	A Software Architecture and Data Model for Community-Based Healthcare Environments. , 2008, , .		1
63	Wavelet based approach for posture transition estimation using a waist worn accelerometer. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1884-7.	0.5	38
64	Monitoring technology for the elderly patient. Expert Review of Medical Devices, 2007, 4, 267-277.	2.8	27
65	Detecting walking activity in cardiac rehabilitation by using accelerometer. , 2007, , .		38
66	Quantifying Functional Mobility Progress for Chronic Disease Management. , 2006, 2006, 5916-9.		14
67	A Framework for Linking Gait Characteristics of Patients with Accelerations of the Waist. , 2005, 2005, 7695-8.		14
68	Information and communication technology-based cardiac rehabilitation homecare programs. Smart Homecare Technology and Telehealth, 0, , 69.	0.3	5