

Antonio Miguel-Cruz

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,247
citations

687363

13
h-index

434195

31
g-index

65
all docs

65
docs citations

65
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart homes and home health monitoring technologies for older adults: A systematic review. International Journal of Medical Informatics, 2016, 91, 44-59.	3.3	461
2	What factors determine therapists' acceptance of new technologies for rehabilitation – a study using the Unified Theory of Acceptance and Use of Technology (UTAUT). Disability and Rehabilitation, 2015, 37, 447-455.	1.8	162
3	Mobile health app usability and quality rating scales: a systematic review. Disability and Rehabilitation: Assistive Technology, 2021, 16, 712-721.	2.2	72
4	What does the literature say about using robots on children with disabilities?. Disability and Rehabilitation: Assistive Technology, 2017, 12, 429-440.	2.2	43
5	Acceptance of Global Positioning System (GPS) Technology Among Dementia Clients and Family Caregivers. Journal of Technology in Human Services, 2017, 35, 99-119.	1.6	38
6	Virtual Trauma-Focused Therapy for Military Members, Veterans, and Public Safety Personnel With Posttraumatic Stress Injury: Systematic Scoping Review. JMIR MHealth and UHealth, 2020, 8, e22079.	3.7	38
7	Medical device maintenance outsourcing: Have operation management research and management theories forgotten the medical engineering community? A mapping review. European Journal of Operational Research, 2012, 221, 186-197.	5.7	33
8	Leak-off tests for horizontal stress determination?. Journal of Petroleum Science and Engineering, 1998, 20, 63-71.	4.2	31
9	What do we know about technologies for dementia-related wandering? A scoping review. Canadian Journal of Occupational Therapy, 2018, 85, 196-208.	1.3	30
10	The effects of asset specificity on maintenance financial performance: An empirical application of Transaction Cost Theory to the medical device maintenance field. European Journal of Operational Research, 2014, 237, 1037-1053.	5.7	25
11	Acceptance, adoption, and usability of information and communication technologies for people living with dementia and their care partners: a systematic review. Disability and Rehabilitation: Assistive Technology, 2023, 18, 443-457.	2.2	25
12	Virtual Reality-Based Treatment for Military Members and Veterans With Combat-Related Posttraumatic Stress Disorder: Protocol for a Multimodal Motion-Assisted Memory Desensitization and Reconsolidation Randomized Controlled Trial. JMIR Research Protocols, 2020, 9, e20620.	1.0	20
13	What do we know about strategies to manage dementia-related wandering? A scoping review. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 615-628.	2.4	19
14	Users' attitudes towards personal health records. Applied Clinical Informatics, 2016, 07, 573-586.	1.7	17
15	Determinants of maintenance performance: A resource-based view and agency theory approach. Journal of Engineering and Technology Management - JET-M, 2019, 51, 33-47.	2.7	17
16	Technology Acceptance and Usability of a Mobile App to Support the Workflow of Health Care Aides Who Provide Services to Older Adults: Pilot Mixed Methods Study. JMIR Aging, 2022, 5, e37521.	3.0	15
17	Evaluating record history of medical devices using association discovery and clustering techniques. Expert Systems With Applications, 2013, 40, 5292-5305.	7.6	14
18	Technology adoption and diffusion in healthcare at onset of COVID-19 and beyond. Healthcare Management Forum, 2022, , 084047042110588.	1.4	13

#	ARTICLE	IF	CITATIONS
19	What factors are associated with the provision of assistive technologies: the Bogotá D.C. case. Disability and Rehabilitation: Assistive Technology, 2014, 9, 432-444.	2.2	11
20	Management of Service Contracts Using an Independent Service Provider (ISP) as Support Technology. Journal of Clinical Engineering, 2002, 27, 202-209.	0.1	10
21	Recognizing Emotional States With Wearables While Playing a Serious Game. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	10
22	Technology Acceptance, Adoption, and Usability: Arriving at Consistent Terminologies and Measurement Approaches. , 2019, , 319-338.		10
23	An Event-Tree-Based Mathematical Formula for The Removal of Biomedical Equipment From a Hospital Inventory. Journal of Clinical Engineering, 2002, 27, 63-71.	0.1	9
24	Information and Communication Technologies for Managing Frailty: A Systematic Literature Review. , 2021, 12, 914.		9
25	Strategies to Locate Lost Persons with Dementia: A Case Study of Ontario First Responders. Journal of Aging Research, 2021, 2021, 1-9.	0.9	9
26	Barriers and Benefits of Information Communication Technologies Used by Health Care Aides. Applied Clinical Informatics, 2022, 13, 270-286.	1.7	9
27	A Neural-Network-Based Model for the Removal of Biomedical Equipment From a Hospital Inventory. Journal of Clinical Engineering, 2006, 31, 140-144.	0.1	8
28	Clustering Techniques: Measuring the Performance of Contract Service Providers. IEEE Engineering in Medicine and Biology Magazine, 2010, 29, 119-126.	0.8	8
29	Technology Acceptance and Usability of the BrainFx SCREEN in Canadian Military Members and Veterans With Posttraumatic Stress Disorder and Mild Traumatic Brain Injury: Mixed Methods UTAUT Study. JMIR Rehabilitation and Assistive Technologies, 2021, 8, e26078.	2.2	8
30	What does the literature say about the use of personal voice assistants in older adults? A scoping review. Disability and Rehabilitation: Assistive Technology, 2024, 19, 100-111.	2.2	8
31	What does the literature say about using electronic pillboxes for older adults? A systematic literature review. Disability and Rehabilitation: Assistive Technology, 2019, 14, 776-787.	2.2	7
32	Neurocognitive Assessment Tools for Military Personnel With Mild Traumatic Brain Injury: Scoping Literature Review. JMIR Mental Health, 2021, 8, e26360.	3.3	7
33	Identifying adoption and usability factors of locator devices for persons living with dementia. Dementia, 2022, 21, 862-881.	2.0	6
34	Heal-me PiONEer (personalized online nutrition and exercise): An RCT assessing 2 levels of app-based programming in individuals with chronic disease. Contemporary Clinical Trials, 2022, 118, 106791.	1.8	6
35	Caregivers as a proxy for responses of dementia clients in a GPS technology acceptance study. Behaviour and Information Technology, 2018, 37, 634-645.	4.0	5
36	Improving corrective maintenance efficiency in clinical engineering departments - Multiple Linear Regression and Clustering Techniques for Analyzing Quality and Effectiveness of Technical Services. IEEE Engineering in Medicine and Biology Magazine, 2007, 26, 60-65.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Measuring the Performance of Maintenance Service Outsourcing. Biomedical Instrumentation and Technology, 2013, 47, 524-535.	0.4	4
38	Determinants in the number of staff in hospitals' maintenance departments: a multivariate regression analysis approach. Journal of Medical Engineering and Technology, 2017, 41, 151-164.	1.4	4
39	Technology Acceptance and Usability of a Virtual Reality Intervention for Military Members and Veterans With Posttraumatic Stress Disorder: Mixed Methods Unified Theory of Acceptance and Use of Technology Study. JMIR Formative Research, 2022, 6, e33681.	1.4	4
40	A fuzzy inference system to evaluate contract service provider performance. Biomedical Instrumentation and Technology, 2005, 39, 320-5.	0.4	3
41	Data silos undermine efforts to characterize, predict, and mitigate dementia-related missing person incidents. Healthcare Management Forum, 2022, 35, 333-338.	1.4	3
42	Building a New Predictor for Multiple Linear Regression Technique-based Corrective Maintenance Turnaround Time. Revista De Salud Publica, 2008, 10, 808-817.	0.1	2
43	Determining the Effectiveness of a New Device for Hand Therapy (The FEPSim Device): Feasibility Protocol for a Randomized Controlled Trial Study. JMIR Research Protocols, 2021, 10, e22145.	1.0	2
44	Feasibility and Acceptability of a Serious Mobile-Game Intervention for Older Adults. Physical and Occupational Therapy in Geriatrics, 0, , 1-24.	0.4	2
45	Una mirada a la ingeniería clínica desde las publicaciones científicas. Biomedica, 2010, 30, 188.	0.7	1
46	Characteristics of a successful collaboration in evaluation of a health care innovation: lessons learned from GPS locator technology for dementia clients. Innovation and Entrepreneurship in Health, 2017, Volume 4, 1-8.	2.0	1
47	Using Data Mining Techniques to Determine Whether to Outsource Medical Equipment Maintenance Tasks in Real Contexts. IFMBE Proceedings, 2019, , 295-298.	0.3	1
48	Emergency siren detection technology and hearing impairment: a systematized literature review. Disability and Rehabilitation: Assistive Technology, 2020, , 1-9.	2.2	1
49	Determining the usability and technology acceptance of a powered and automated cargo management system during ladder lifting tasks: A pilot study. Work, 2021, 69, 109-118.	1.1	1
50	Mobile alert app to engage community volunteers to help locate missing persons with dementia. PLoS ONE, 2021, 16, e0254952.	2.5	1
51	Testing a mobile robot toy for children with disabilities. IFMBE Proceedings, 2015, , 1163-1166.	0.3	0
52	Children's Imaginaries of Robots for Playing With. International Journal of Social Robotics, 2022, 14, 463-477.	4.6	0
53	The Effects of 3D Immersion Technology (3Scape) on Mental Health in Outpatients From a Short-Term Assessment, Rehabilitation, and Treatment Program: Feasibility Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e25017.	1.0	0
54	Offering Integrated Medical Equipment Management in an Application Service Provider Model. Biomedical Instrumentation and Technology, 2007, 41, 479-490.	0.4	0