Isabel De la Torre

List of Publications by Year
in descending order

136 papers	4,802 citations	147566 31 h-index	114278 63 g-index
151 all docs	151 docs citations	151 times ranked	6756 citing authors

#	Article	IF	Citations
1	Mobile-health: A review of current state in 2015. Journal of Biomedical Informatics, 2015, 56, 265-272.	2.5	694
2	Mobile Health Applications for the Most Prevalent Conditions by the World Health Organization: Review and Analysis. Journal of Medical Internet Research, 2013, 15, e120.	2.1	422
3	Cost-Utility and Cost-Effectiveness Studies of Telemedicine, Electronic, and Mobile Health Systems in the Literature: A Systematic Review. Telemedicine Journal and E-Health, 2015, 21, 81-85.	1.6	369
4	Privacy and Security in Mobile Health Apps: A Review and Recommendations. Journal of Medical Systems, 2015, 39, 181.	2.2	243
5	Automated medical diagnosis of COVID-19 through EfficientNet convolutional neural network. Applied Soft Computing Journal, 2020, 96, 106691.	4.1	223
6	Social Robots for People with Aging and Dementia: A Systematic Review of Literature. Telemedicine Journal and E-Health, 2019, 25, 533-540.	1.6	153
7	Analysis of the Security and Privacy Requirements of Cloud-Based Electronic Health Records Systems. Journal of Medical Internet Research, 2013, 15, e186.	2.1	137
8	A Content Analysis of Chronic Diseases Social Groups on Facebook and Twitter. Telemedicine Journal and E-Health, 2012, 18, 404-408.	1.6	122
9	Mobile Apps in Cardiology: Review. JMIR MHealth and UHealth, 2013, 1, e15.	1.8	109
10	Mobile Clinical Decision Support Systems and Applications: A Literature and Commercial Review. Journal of Medical Systems, 2014, 38, 4.	2.2	107
11	Wavelet-Based Denoising for Traffic Volume Time Series Forecasting with Self-Organizing Neural Networks. Computer-Aided Civil and Infrastructure Engineering, 2010, 25, 530-545.	6.3	105
12	MAFC: Multi-Agent Fog Computing Model for Healthcare Critical Tasks Management. Sensors, 2020, 20, 1853.	2.1	81
13	Data Mining Algorithms and Techniques in Mental Health: A Systematic Review. Journal of Medical Systems, 2018, 42, 161.	2.2	77
14	Analysis of Cloud-Based Solutions on EHRs Systems in Different Scenarios. Journal of Medical Systems, 2012, 36, 3777-3782.	2.2	70
15	Wireless Body Area Networks: UWB Wearable Textile Antenna for Telemedicine and Mobile Health Systems. Micromachines, 2020, 11, 558.	1.4	68
16	Analysis of mobile health applications for a broad spectrum of consumers: A user experience approach. Health Informatics Journal, 2014, 20, 74-84.	1.1	65
17	Proposing New Blockchain Challenges in eHealth. Journal of Medical Systems, 2019, 43, 64.	2.2	63
18	Development and Evaluation of Tools for Measuring the Quality of Experience (QoE) in mHealth Applications. Journal of Medical Systems, 2013, 37, 9976.	2.2	60

#	ARTICLE	IF	CITATIONS
19	Predictive, Personalized, Preventive and Participatory (4P) Medicine Applied to Telemedicine and eHealth in the Literature. Journal of Medical Systems, 2019, 43, 140.	2.2	60
20	Conserving Mangrove Ecosystems in the Philippines: Transcending Disciplinary and Institutional Borders. Environmental Management, 2010, 45, 39-51.	1.2	58
21	Security Recommendations for mHealth Apps: Elaboration of a Developer's Guide. Journal of Medical Systems, 2016, 40, 152.	2.2	58
22	Internet of Things and Enhanced Living Environments: Measuring and Mapping Air Quality Using Cyber-physical Systems and Mobile Computing Technologies. Sensors, 2020, 20, 720.	2.1	57
23	Impact of COVID-19 on the psychological health of university students in Spain and their attitudes toward Mobile mental health solutions. International Journal of Medical Informatics, 2021, 147, 104369.	1.6	48
24	A Systematic Literature Review of Technologies for Suicidal Behavior Prevention. Journal of Medical Systems, 2018, 42, 71.	2.2	46
25	A Systematic Review of Techniques and Sources of Big Data in the Healthcare Sector. Journal of Medical Systems, 2017, 41, 183.	2.2	45
26	Suicide Risk Assessment Using Machine Learning and Social Networks: a Scoping Review. Journal of Medical Systems, 2020, 44, 205.	2.2	41
27	Comparison of Mobile Apps for the Leading Causes of Death Among Different Income Zones: A Review of the Literature and App Stores. JMIR MHealth and UHealth, 2014, 2, e1.	1.8	41
28	A new mobile ubiquitous computing application to control obesity: SapoFit. Informatics for Health and Social Care, 2013, 38, 37-53.	1.4	39
29	Telemedicine and e-Health research solutions in literature for combatting COVID-19: a systematic review. Health and Technology, 2021, 11, 257-266.	2.1	38
30	A Sensor-Based Data Analytics for Patient Monitoring in Connected Healthcare Applications. IEEE Sensors Journal, 2021, 21, 974-984.	2.4	36
31	IoT-Based Services and Applications for Mental Health in the Literature. Journal of Medical Systems, 2019, 43, 11.	2.2	35
32	Economic Impact Assessment from the Use of a Mobile App for the Self-management of Heart Diseases by Patients with Heart Failure in a Spanish Region. Journal of Medical Systems, 2014, 38, 96.	2.2	34
33	Mobile Apps for Suicide Prevention: Review of Virtual Stores and Literature. JMIR MHealth and UHealth, 2017, 5, e130.	1.8	34
34	Transfer Learning for Alzheimer's Disease through Neuroimaging Biomarkers: A Systematic Review. Sensors, 2021, 21, 7259.	2.1	33
35	Study on the effects of several operational variables on the enzymatic batch saccharification of orange solid waste. Bioresource Technology, 2017, 245, 906-915.	4.8	32
36	A MapReduce Opinion Mining for COVID-19-Related Tweets Classification Using Enhanced ID3 Decision Tree Classifier. IEEE Access, 2021, 9, 58706-58739.	2.6	32

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37	Big Data in Health: a Literature Review from the Year 2005. Journal of Medical Systems, 2016, 40, 209.	2.2	31
38	Advances and Current State of the Security and Privacy in Electronic Health Records: Survey from a Social Perspective. Journal of Medical Systems, 2012, 36, 3019-3027.	2.2	30
39	Pneumonia Classification from X-ray Images with Inception-V3 and Convolutional Neural Network. Diagnostics, 2022, 12, 1280.	1.3	29
40	Decision Support Systems and Applications in Ophthalmology: Literature and Commercial Review Focused on Mobile Apps. Journal of Medical Systems, 2015, 39, 174.	2.2	28
41	Experiences and Results of Applying Tools for Assessing the Quality of a mHealth App Named Heartkeeper. Journal of Medical Systems, 2015, 39, 142.	2.2	28
42	Towards Mobile Edge Computing: Taxonomy, Challenges, Applications and Future Realms. IEEE Access, 2020, 8, 189129-189162.	2.6	26
43	Chest X-ray analysis empowered with deep learning: A systematic review. Applied Soft Computing Journal, 2022, 126, 109319.	4.1	25
44	A New mHealth App for Monitoring and Awareness of Healthy Eating: Development and User Evaluation by Spanish Users. Journal of Medical Systems, 2017, 41, 109.	2.2	24
45	Dual System for Enhancing Cognitive Abilities of Children with ADHD Using Leap Motion and eye-Tracking Technologies. Journal of Medical Systems, 2017, 41, 111.	2.2	23
46	Systematic Review about QoS and QoE in Telemedicine and eHealth Services and Applications. Journal of Medical Systems, 2018, 42, 182.	2.2	23
47	Trade and export orientation of fisheries in Southeast Asia: Under-priced export at the expense of domestic food security and local economies. Ocean and Coastal Management, 2006, 49, 546-561.	2.0	22
48	Mobile health platform for pressure ulcer monitoring with electronic health record integration. Health Informatics Journal, 2013, 19, 300-311.	1.1	21
49	Monitoring and Follow-up of Chronic Heart Failure: a Literature Review of eHealth Applications and Systems. Journal of Medical Systems, 2016, 40, 179.	2.2	21
50	Sentence-Level Classification Using Parallel Fuzzy Deep Learning Classifier. IEEE Access, 2021, 9, 17943-17985.	2.6	21
51	Managing and Controlling Stress Using mHealth: Systematic Search in App Stores. JMIR MHealth and UHealth, 2018, 6, e111.	1.8	21
52	Analysis of the Cloud Computing Paradigm on Mobile Health Records Systems. , 2012, , .		20
53	Energy-Aware and Reliability-Based Localization-Free Cooperative Acoustic Wireless Sensor Networks. IEEE Access, 2020, 8, 121366-121384.	2.6	20
54	Mobile Health Apps for Medical Emergencies: Systematic Review. JMIR MHealth and UHealth, 2020, 8, e18513.	1.8	20

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55	What is Your Risk of Contracting Alzheimer's Disease? A Telematics Tool Helps you to Predict it. Journal of Medical Systems, 2016, 40, 3.	2.2	17
56	Machine Learning in Medical Emergencies: a Systematic Review and Analysis. Journal of Medical Systems, 2021, 45, 88.	2.2	17
57	EHR Systems in the Spanish Public Health National System: The Lack of Interoperability between Primary and Specialty Care. Journal of Medical Systems, 2013, 37, 9914.	2.2	16
58	Treatment of Depression in Primary Care with Computerized Psychological Therapies: Systematic Reviews. Journal of Medical Systems, 2020, 44, 67.	2.2	16
59	An ensemble-based approach for automated medical diagnosis of malaria using EfficientNet. Multimedia Tools and Applications, 2022, 81, 28061-28078.	2.6	16
60	A Review of Image Processing Techniques for Deepfakes. Sensors, 2022, 22, 4556.	2.1	16
61	Personal Learning Environment Box (PLEBOX): A new approach to E‑learning platforms. Computer Applications in Engineering Education, 2013, 21, E100.	2.2	15
62	A New Wireless Biosensor for Intra-Vaginal Temperature Monitoring. Sensors, 2010, 10, 10314-10327.	2.1	14
63	Content analysis of neurodegenerative and mental diseases social groups. Health Informatics Journal, 2015, 21, 267-283.	1.1	14
64	Utility of a mHealth App for Self-Management and Education of Cardiac Diseases in Spanish Urban and Rural Areas. Journal of Medical Systems, 2016, 40, 186.	2.2	14
65	A mobile decision support system for red eye diseases diagnosis: experience with medical students. Journal of Medical Systems, 2016, 40, 151.	2.2	12
66	mHealth App for iOS to Help in Diagnostic Decision in Ophthalmology to Primary Care Physicians. Journal of Medical Systems, 2017, 41, 81.	2.2	12
67	Mobile Triage Applications: A Systematic Review in Literature and Play Store. Journal of Medical Systems, 2021, 45, 86.	2.2	12
68	A Systematic Review of Security Mechanisms for Big Data in Health and New Alternatives for Hospitals. Wireless Communications and Mobile Computing, 2017, 2017, 1-6.	0.8	11
69	Suicide Prevention Mobile Apps: Descriptive Analysis of Apps from the Most Popular Virtual Stores. JMIR MHealth and UHealth, 2019, 7, e13885.	1.8	11
70	Choosing the Most Efficient Database for a Web-Based System to Store and Exchange Ophthalmologic Health Records. Journal of Medical Systems, 2011, 35, 1455-1464.	2.2	10
71	Analysis of the EHR Systems in Spanish Primary Public Health System: The Lack of Interoperability. Journal of Medical Systems, 2012, 36, 3273-3281.	2.2	10
72	Comparison of Machine Learning Algorithms in the Prediction of Hospitalized Patients with Schizophrenia. Sensors, 2022, 22, 2517.	2.1	10

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73	Multi-scale neural texture classification using the GPU as a stream processing engine. Machine Vision and Applications, 2011, 22, 947-966.	1.7	9
74	Development and Evaluation of a Web-Based Tool to Estimate Type 2 Diabetes Risk: Diab_Alert. Telemedicine Journal and E-Health, 2013, 19, 81-87.	1.6	9
75	Primary Prevention of Asymptomatic Cardiovascular Disease Using Physiological Sensors Connected to an iOS App. Journal of Medical Systems, 2017, 41, 191.	2.2	9
76	Sentiment Analysis Techniques Applied to Raw-Text Data from a Csq-8 Questionnaire about Mindfulness in Times of COVID-19 to Improve Strategy Generation. International Journal of Environmental Research and Public Health, 2021, 18, 6408.	1.2	8
77	FoodScan: Food Monitoring App by Scanning the Groceries Receipts. IEEE Access, 2020, 8, 227915-227924.	2.6	8
78	Online Mindfulness Experience for Emotional Support to Healthcare staff in times of Covid-19. Journal of Medical Systems, 2022, 46, 14.	2.2	8
79	How to Measure the QoS of a Web-based EHRs System: Development of an Instrument. Journal of Medical Systems, 2012, 36, 3725-3731.	2.2	7
80	Analyzing open-source and commercial EHR solutions from an international perspective. , 2013, , .		7
81	Development, Technical, and User Evaluation of a Web Mobile Application for Self-Control of Diabetes. Telemedicine Journal and E-Health, 2016, 22, 778-785.	1.6	7
82	Breast Alert: An On-line Tool for Predicting the Lifetime Risk of Women Breast Cancer. Journal of Medical Systems, 2012, 36, 1417-1424.	2.2	6
83	Proposing Telecardiology Services on Cloud for Different Medical Institutions: A Model of Reference. Telemedicine Journal and E-Health, 2017, 23, 654-661.	1.6	6
84	Development and Evaluation of a Telematics Platform for Monitoring of Patients in Ambulatory Major Surgery. Telemedicine Journal and E-Health, 2019, 25, 152-159.	1.6	6
85	Secure Cloud-Based Solutions for Different eHealth Services in Spanish Rural Health Centers. Journal of Medical Internet Research, 2015, 17, e157.	2.1	6
86	Approach to teaching communications systems by collaborative learning. Student perceptions in the application of problem-based learning: Analysis of results. , 2010, , .		5
87	Analysis of the benefits and constraints for the implementation of cloud computing over an EHRs system. , 2012, , .		5
88	Performance Evaluation of a Web-Based System to Exchange Electronic Health Records Using Queueing Model (M/M/1). Journal of Medical Systems, 2012, 36, 915-924.	2.2	5
89	How does the Spanish regulation of NGN affect to final users? Effects on the deployment of new FTTH infrastructures. Telecommunication Systems, 2017, 64, 391-415.	1.6	5
90	Survey of Techniques on Data Leakage Protection and Methods to address the Insider threat. Cluster Computing, 2022, 25, 4289-4302.	3.5	5

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91	Adapting the Telecommunication Engineering curriculum to the EEES: A project based learning tied to several subjects. , 2010, , .		4
92	A Telematic Tool to Predict the Risk of Colorectal Cancer in White Men and Women: ColoRectal Cancer Alert (CRCA). Journal of Medical Systems, 2012, 36, 2557-2564.	2.2	4
93	Development and performance evaluation of a new RSS tool for a Web-based system: RSS_PROYECT. Journal of Network and Computer Applications, 2013, 36, 255-261.	5.8	4
94	Are mobile health cloud apps better than native?. , 2015, , .		4
95	Measuring QoE of a Teleconsultation App in Mental Health Using a Pentagram Model. Journal of Medical Systems, 2019, 43, 213.	2.2	4
96	Investigating the Potential market of a Serious Game for Training of Alzheimer's Caregivers in a Northern Spain region. International Journal of Serious Games, 2014, 1, .	0.8	4
97	On asynchronous flow scheduling for wireless body sensor networks. , 2013, , .		3
98	Information and Communications Technologies Health Projects in Panama: A Systematic Review and their Relation with Public Policies. Journal of Medical Systems, 2017, 41, 110.	2.2	3
99	Predicting Absenteeism and Temporary Disability Using Machine Learning: a Systematic Review and Analysis. Journal of Medical Systems, 2020, 44, 162.	2.2	3
100	An Experience of Electronic Health Records Implementation in a Mexican Region. Journal of Medical Systems, 2020, 44, 106.	2.2	3
101	Response Time Estimation of a Web-Based Electronic Health Record (EHR) System using Queuing Model. International Journal of E-Health and Medical Communications, 2010, 1, 66-78.	1.4	3
102	Comparison of Response Times of a Mobile-Web EHRs System Using PHP and JSP Languages. Journal of Medical Systems, 2012, 36, 3945-3953.	2.2	2
103	Security analysis of a mHealth app in Android: Problems and solutions. , 2017, , .		2
104	A Systematic Review of mHealth apps Evaluations for Cardiac Issues. Proceedings (mdpi), 2018, 2, .	0.2	2
105	Implications of the regulation in the implantation process of next generation networks in Spain: analysis in rural versus urban regions. Telecommunication Systems, 2018, 69, 39-50.	1.6	2
106	Development and QoE evaluation of an iOS mHealth app for self-controlling and education of patients with heart diseases. , 2018, , .		2
107	Reviewing Mobile Apps to Control Heart Rate in Literature and Virtual Stores. Journal of Medical Systems, 2019, 43, 80.	2.2	2
108	Development of an E-learning Model for Training Health Staff in Suicide Prevention. , 2019, , .		2

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109	Electronic Health Records in a Tele-Ophthalmologic Application with Oracle 10g. Advances in Bioinformatics and Biomedical Engineering Book Series, 2010, , 89-105.	0.2	2
110	Health Care Management Models for the Evolution of Hospitalization in Acute Inpatient Psychiatry Units: Comparative Quantitative Study. JMIR Mental Health, 2020, 7, e15776.	1.7	2
111	Blended learning (b-learning) in telecommunications engineering - A study case. , 2011, , .		1
112	Multiple scale neural architecture for face recognition. Pattern Recognition and Image Analysis, 2011, 21, 387-391.	0.6	1
113	Usage testing of game based learning in computer programming courses. , 2011, , .		1
114	A review of applications for the improvement of the life quality in patients with mental disorders. , 2013, , .		1
115	Health apps in different mobile platforms: A review in commercial stores. , 2016, , .		1
116	Development and validation of a mobile health app for the self-management and education of cardiac patients. , 2016, , .		1
117	Telemedicine solutions for patients with mental disorders: a Delphi study and review of mobile applications in virtual stores. Informatics for Health and Social Care, 2021, , 1-20.	1.4	1
118	Using Wikis to Learn Computer Programming. Communications in Computer and Information Science, 2010, , 357-362.	0.4	1
119	Analysis of Benefits and Risks of E-Commerce. , 0, , 214-239.		1
120	Connected Mental Health Solutions: Global Attitudes, Preferences, and Concerns. Telemedicine Journal and E-Health, 2023, 29, 315-330.	1.6	1
121	Surround Suppression and Recurrent Interactions V1-V2 for Natural Scene Boundary Detection. , 0, , .		0
122	Bio-inspired computer vision based on neural networks. Pattern Recognition and Image Analysis, 2011, 21, 108-112.	0.6	0
123	A web-based application for QoS measurement of an EHRs system using exploratory factor analysis (EFA). , 2012, , .		0
124	Evaluating the QoE of a mobile DSS for diagnosis of red eye diseases by medical students. , 2016, , .		0
125	Analysis of Mental Health Disease Trends Using BeGraph Software in Spanish Health Care Centers: Case Study. JMIR Medical Informatics, 2021, 9, e15527.	1.3	0
126	A Web-Based Application to Exchange Electronic Health Records and Medical Images in Ophthalmology. , 2009, , 1372-1384.		0

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127	A Web-Based Application to Exchange Electronic Health Records and Medical Images in Ophthalmology. , 2009, , 152-164.		0
128	Designing an Instrument to Measure the QoS of a Spanish Virtual Store. Communications in Computer and Information Science, 2010, , 75-82.	0.4	0
129	Electronic Health Records System Using HL7 and DICOM in Ophthalmology. , 2010, , 42-60.		0
130	Natural Scene Segmentation Method through Hierarchical Nature Categorization. Advances in Intelligent and Soft Computing, 2010, , 53-60.	0.2	0
131	Analysis of the Variables which Determine a Good E-Marketing Strategy. , 2011, , 152-168.		0
132	A Mobile Learning Content-independent Versatile Ubiquitous System (CiVUS). , 2012, , 21-36.		0
133	Recent Advances in Intelligent Tutoring Systems. Advances in Educational Marketing, Administration, and Leadership Book Series, 2013, , 631-647.	0.1	0
134	Response Time Estimation of a Web-Based Electronic Health Record (EHR) System using Queuing Model. , 0, , 272-284.		0
135	Analysis of the Variables which Determine a Good E-Marketing Strategy. , 0, , 62-78.		0
136	Secure File Systems for the Development of a Data Leak Protection (DLP) Tool Against Internal Threats. , 2022, , .		0