

Omar El-Gayar

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,270
citations

567281

15
h-index

526287

27
g-index

68
all docs

68
docs citations

68
times ranked

1801
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile Applications for Diabetes Self-Management: Status and Potential. Journal of Diabetes Science and Technology, 2013, 7, 247-262.	2.2	309
2	A systematic review of IT for diabetes self-management: Are we there yet?. International Journal of Medical Informatics, 2013, 82, 637-652.	3.3	134
3	Tablet Personal Computer Integration in Higher Education: Applying the Unified Theory of Acceptance and use Technology Model to Understand Supporting Factors. Journal of Educational Computing Research, 2010, 42, 79-101.	5.5	91
4	A framework for developing a domain specific business intelligence maturity model: Application to healthcare. International Journal of Information Management, 2015, 35, 337-345.	17.5	77
5	Mining Physiciansâ€™ Opinions on Social Media to Obtain Insights Into COVID-19: Mixed Methods Analysis. JMIR Public Health and Surveillance, 2020, 6, e19276.	2.6	74
6	Public Discourse Against Masks in the COVID-19 Era: Infodemiology Study of Twitter Data. JMIR Public Health and Surveillance, 2021, 7, e26780.	2.6	44
7	Environmental Management Information Systems (EMIS) for Sustainable Development: A Conceptual Overview. Communications of the Association for Information Systems, 0, 17, .	0.9	37
8	A multiple criteria decision making framework for regional aquaculture development. European Journal of Operational Research, 2001, 133, 462-482.	5.7	34
9	Drivers and challenges of precision agriculture: a social media perspective. Precision Agriculture, 2021, 22, 1019-1044.	6.0	34
10	A web-based multi-perspective decision support system for information security planning. Decision Support Systems, 2010, 50, 43-54.	5.9	33
11	Security Policy Compliance: User Acceptance Perspective. , 2012, , .		31
12	Wearables, Artificial intelligence, and the Future of Healthcare. Advances in Computational Intelligence and Robotics Book Series, 2020, , 104-129.	0.4	31
13	Advanced analytics for the automation of medical systematic reviews. Information Systems Frontiers, 2016, 18, 237-252.	6.4	23
14	An XML-based schema definition for model sharing and reuse in a distributed environment. Decision Support Systems, 2007, 43, 791-808.	5.9	20
15	Opportunities for Business Intelligence and Big Data Analytics in Evidence Based Medicine. , 2014, , .		20
16	A comparative analysis of semi-supervised learning: The case of article selection for medical systematic reviews. Information Systems Frontiers, 2018, 20, 195-207.	6.4	19
17	The use of information technology in aquaculture management. Aquaculture, Economics and Management, 1997, 1, 109-128.	4.2	18
18	ADDSS: a tool for regional aquaculture development. Aquacultural Engineering, 2000, 23, 181-202.	3.1	18

#	ARTICLE	IF	CITATIONS
19	On the efficacy of behavior change techniques in mHealth for self-management of diabetes: A meta-analysis. Journal of Biomedical Informatics, 2021, 119, 103839.	4.3	17
20	Social Media Text Mining Framework for Drug Abuse: Development and Validation Study With an Opioid Crisis Case Analysis. Journal of Medical Internet Research, 2020, 22, e18350.	4.3	16
21	Aquaculture in Egypt and issues for sustainable development. Aquaculture, Economics and Management, 2003, 7, 137-154.	4.2	15
22	Decision-enabled dynamic process management for networked enterprises. Information Systems Frontiers, 2011, 13, 655-668.	6.4	14
23	Online Health Social Networks and Patient Health Decision Behavior: A Research Agenda. , 2011, , .		12
24	A semantic service-oriented architecture for distributed model management systems. Decision Support Systems, 2013, 55, 374-384.	5.9	11
25	Evaluating task-technology fit and user performance for an electronic health record system. International Journal of Healthcare Technology and Management, 2010, 11, 50.	0.1	10
26	Discovering Design Principles for Persuasive Systems: A Grounded Theory and Text Mining Approach. , 2016, , .		10
27	A socio-technical-based process for questionnaire development in requirements elicitation via interviews. Requirements Engineering, 2020, 25, 295-315.	3.1	10
28	Towards a Business Intelligence Maturity Model for Healthcare. , 2013, , .		9
29	Using Semi-Supervised Learning for the Creation of Medical Systematic Review: An Exploratory Analysis. , 2016, , .		9
30	Wearable Devices for Health and Wellbeing: Design Insights from Twitter. , 2019, , .		8
31	Increasing Research Relevance in DSS: Looking Forward by Reflecting on 40 Years of Progress. , 2011, , .		6
32	Evaluating the Impact of Electronic Health Records on Clinical Reasoning Performance. , 2012, , .		6
33	On semantic annotation of decision models. Information Systems and E-Business Management, 2013, 11, 93-117.	3.7	6
34	Empirical evaluation of a new structure for AdaBoost. , 2008, , .		5
35	The Development of an EDSS: Lessons Learned and Implications for DSS Research. , 2011, , .		5
36	DSS-CMM. International Journal of Decision Support System Technology, 2011, 3, 14-34.	0.7	5

#	ARTICLE	IF	CITATIONS
37	Beyond Meaningful Use: A Model for Evaluating Electronic Health Record Success. , 2011, , .		4
38	Information Security Policy Compliance: An Empirical Study of Ethical Ideology. , 2013, , .		4
39	An Ontology-Based Information Extraction (OBIE) Framework for Analyzing Initial Public Offering (IPO) Prospectus. , 2014, , .		4
40	The State and Future of Smart Agriculture: Insights from mining social media. , 2019, , .		4
41	Adverse Health Effects of Kratom: An Analysis of Social Media Data. , 0, , .		4
42	A Cyberinfrastructure Framework for Comparative Effectiveness Research in Healthcare. , 2010, , .		3
43	On the Design of IT-Enabled Self-Care Systems: A Socio-technical Perspective. , 2013, , .		3
44	Using Health Information Technology to Prevent and Treat Diabetes. Diabetes Technology and Therapeutics, 2014, 16, S-56-S-67.	4.4	3
45	An Ontology-Based Model Management Architecture for Service Innovation. Lecture Notes in Business Information Processing, 2012, , 143-168.	1.0	3
46	Disrupting Agriculture. Advances in Computational Intelligence and Robotics Book Series, 2020, , 174-215.	0.4	3
47	Experiences and lessons learned in the design and implementation of an Information Assurance curriculum. , 2007, , .		2
48	Developing a Semantic Web-Based Distributed Model Management System: Experiences and Lessons Learned. , 2010, , .		1
49	Aligning IT Assets to Maximize Healthcare Organizational Performance. , 2013, , .		1
50	Introduction to Analytics, Information Systems, and Decision Technologies for Sustainability Minitrack. , 2015, , .		1
51	A close look at socio-technical design features of mobile applications for diabetes self-management. Health and Technology, 2021, 11, 227-238.	3.6	1
52	Distributed Model Management. , 2008, , 272-277.		1
53	Current Issues and Future Trends of Clinical Decision Support Systems (CDSS). , 2008, , 352-358.		1
54	DSS-CMM. , 0, , 1-22.		1

#	ARTICLE	IF	CITATIONS
55	Introduction to Information Systems and Decision Technologies for Sustainable Development Minitrack. , 2012, , .		0
56	Introduction to Analytics, Informatics and Decision Support for Sustainability Minitrack. , 2013, , .		0
57	Introduction to Decision Support for Sustainability Minitrack. , 2014, , .		0
58	SenseCluster for Exploring Large Data Repositories. , 2015, , .		0
59	Term Extraction and Disambiguation for Semantic Knowledge Enrichment: A Case Study on Initial Public Offering (IPO) Prospectus Corpus. , 2015, , .		0
60	Leveraging Advanced Analytics Techniques for Medical Systematic Review Update. , 2015, , .		0
61	Introduction to Analytics, Information Systems and Decision Technologies for Sustainability Minitrack. , 2016, , .		0
62	Mobile Applications for Behavioral Change. Advances in Medical Technologies and Clinical Practice Book Series, 2020, , 130-154.	0.3	0
63	Disrupting Agriculture. , 2021, , 771-812.		0
64	Design of a Virtual Cybersecurity Escape Room. Lecture Notes in Networks and Systems, 2022, , 60-73.	0.7	0
65	Business Process Management Systems for Supporting Individual and Group Decision Making. , 2009, , 983-991.		0