

Omar El-Gayar

List of Publications by Year in descending order

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65
papers

1,270
citations

643344

15
h-index

591227

27
g-index

68
all docs

68
docs citations

68
times ranked

1933
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a Virtual Cybersecurity Escape Room. Lecture Notes in Networks and Systems, 2022, , 60-73.	0.5	0
2	A close look at socio-technical design features of mobile applications for diabetes self-management. Health and Technology, 2021, 11, 227-238.	2.1	1
3	Drivers and challenges of precision agriculture: a social media perspective. Precision Agriculture, 2021, 22, 1019-1044.	3.1	34
4	Disrupting Agriculture. , 2021, , 771-812.		0
5	Public Discourse Against Masks in the COVID-19 Era: Infodemiology Study of Twitter Data. JMIR Public Health and Surveillance, 2021, 7, e26780.	1.2	44
6	On the efficacy of behavior change techniques in mHealth for self-management of diabetes: A meta-analysis. Journal of Biomedical Informatics, 2021, 119, 103839.	2.5	17
7	A socio-technical-based process for questionnaire development in requirements elicitation via interviews. Requirements Engineering, 2020, 25, 295-315.	2.1	10
8	Mobile Applications for Behavioral Change. Advances in Medical Technologies and Clinical Practice Book Series, 2020, , 130-154.	0.3	0
9	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.	2.1	16
10	Mining Physiciansâ€™ Opinions on Social Media to Obtain Insights Into COVID-19: Mixed Methods Analysis. JMIR Public Health and Surveillance, 2020, 6, e19276.	1.2	74
11	Wearables, Artificial intelligence, and the Future of Healthcare. Advances in Computational Intelligence and Robotics Book Series, 2020, , 104-129.	0.4	31
12	Disrupting Agriculture. Advances in Computational Intelligence and Robotics Book Series, 2020, , 174-215.	0.4	3
13	The State and Future of Smart Agriculture: Insights from mining social media. , 2019, , .		4
14	Wearable Devices for Health and Wellbeing: Design Insights from Twitter. , 2019, , .		8
15	A comparative analysis of semi-supervised learning: The case of article selection for medical systematic reviews. Information Systems Frontiers, 2018, 20, 195-207.	4.1	19
16	Discovering Design Principles for Persuasive Systems: A Grounded Theory and Text Mining Approach. , 2016, , .		10
17	Introduction to Analytics, Information Systems and Decision Technologies for Sustainability Minitrack. , 2016, , .		0
18	Using Semi-Supervised Learning for the Creation of Medical Systematic Review: An Exploratory Analysis. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
19	Advanced analytics for the automation of medical systematic reviews. Information Systems Frontiers, 2016, 18, 237-252.	4.1	23
20	SenseCluster for Exploring Large Data Repositories. , 2015, , .		0
21	Introduction to Analytics, Information Systems, and Decision Technologies for Sustainability Minitrack. , 2015, , .		1
22	Term Extraction and Disambiguation for Semantic Knowledge Enrichment: A Case Study on Initial Public Offering (IPO) Prospectus Corpus. , 2015, , .		0
23	A framework for developing a domain specific business intelligence maturity model: Application to healthcare. International Journal of Information Management, 2015, 35, 337-345.	10.5	77
24	Leveraging Advanced Analytics Techniques for Medical Systematic Review Update. , 2015, , .		0
25	Using Health Information Technology to Prevent and Treat Diabetes. Diabetes Technology and Therapeutics, 2014, 16, S-56-S-67.	2.4	3
26	Introduction to Decision Support for Sustainability Minitrack. , 2014, , .		0
27	An Ontology-Based Information Extraction (OBIE) Framework for Analyzing Initial Public Offering (IPO) Prospectus. , 2014, , .		4
28	Opportunities for Business Intelligence and Big Data Analytics in Evidence Based Medicine. , 2014, , .		20
29	A systematic review of IT for diabetes self-management: Are we there yet?. International Journal of Medical Informatics, 2013, 82, 637-652.	1.6	134
30	A semantic service-oriented architecture for distributed model management systems. Decision Support Systems, 2013, 55, 374-384.	3.5	11
31	On semantic annotation of decision models. Information Systems and E-Business Management, 2013, 11, 93-117.	2.2	6
32	Information Security Policy Compliance: An Empirical Study of Ethical Ideology. , 2013, , .		4
33	Towards a Business Intelligence Maturity Model for Healthcare. , 2013, , .		9
34	Mobile Applications for Diabetes Self-Management: Status and Potential. Journal of Diabetes Science and Technology, 2013, 7, 247-262.	1.3	309
35	On the Design of IT-Enabled Self-Care Systems: A Socio-technical Perspective. , 2013, , .		3
36	Introduction to Analytics, Informatics and Decision Support for Sustainability Minitrack. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Aligning IT Assets to Maximize Healthcare Organizational Performance. , 2013, , .		1
38	Security Policy Compliance: User Acceptance Perspective. , 2012, , .		31
39	Evaluating the Impact of Electronic Health Records on Clinical Reasoning Performance. , 2012, , .		6
40	Introduction to Information Systems and Decision Technologies for Sustainable Development Minitrack. , 2012, , .		0
41	An Ontology-Based Model Management Architecture for Service Innovation. Lecture Notes in Business Information Processing, 2012, , 143-168.	0.8	3
42	The Development of an EDSS: Lessons Learned and Implications for DSS Research. , 2011, , .		5
43	Decision-enabled dynamic process management for networked enterprises. Information Systems Frontiers, 2011, 13, 655-668.	4.1	14
44	Beyond Meaningful Use: A Model for Evaluating Electronic Health Record Success. , 2011, , .		4
45	Online Health Social Networks and Patient Health Decision Behavior: A Research Agenda. , 2011, , .		12
46	Increasing Research Relevance in DSS: Looking Forward by Reflecting on 40 Years of Progress. , 2011, , .		6
47	DSS-CMM. International Journal of Decision Support System Technology, 2011, 3, 14-34.	0.4	5
48	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
49	A web-based multi-perspective decision support system for information security planning. Decision Support Systems, 2010, 50, 43-54.	3.5	33
50	A Cyberinfrastructure Framework for Comparative Effectiveness Research in Healthcare. , 2010, , .		3
51	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.	3.6	91
52	Developing a Semantic Web-Based Distributed Model Management System: Experiences and Lessons Learned. , 2010, , .		1
53	Business Process Management Systems for Supporting Individual and Group Decision Making. , 2009, , 983-991.		0
54	Empirical evaluation of a new structure for AdaBoost. , 2008, , .		5

#	ARTICLE	IF	CITATIONS
55	Distributed Model Management. , 2008, , 272-277.		1
56	Current Issues and Future Trends of Clinical Decision Support Systems (CDSS). , 2008, , 352-358.		1
57	Experiences and lessons learned in the design and implementation of an Information Assurance curriculum. , 2007, , .		2
58	An XML-based schema definition for model sharing and reuse in a distributed environment. Decision Support Systems, 2007, 43, 791-808.	3.5	20
59	Aquaculture in Egypt and issues for sustainable development. Aquaculture, Economics and Management, 2003, 7, 137-154.	2.3	15
60	A multiple criteria decision making framework for regional aquaculture development. European Journal of Operational Research, 2001, 133, 462-482.	3.5	34
61	ADDSS: a tool for regional aquaculture development. Aquacultural Engineering, 2000, 23, 181-202.	1.4	18
62	The use of information technology in aquaculture management. Aquaculture, Economics and Management, 1997, 1, 109-128.	2.3	18
63	Environmental Management Information Systems (EMIS) for Sustainable Development: A Conceptual Overview. Communications of the Association for Information Systems, 0, 17, .	0.7	37
64	Adverse Health Effects of Kratom: An Analysis of Social Media Data. , 0, , .		4
65	DSS-CMM. , 0, , 1-22.		1