

Izzat Alsmadi

List of Publications by Year in descending order

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Version: 2024-02-01

144
papers

1,311
citations

516710

16
h-index

477307

29
g-index

152
all docs

152
docs citations

152
times ranked

1005
citing authors

#	ARTICLE	IF	CITATIONS
1	Security of Software Defined Networks: A survey. Computers and Security, 2015, 53, 79-108.	6.0	121
2	Machine learning approaches to IoT security: A systematic literature review. Internet of Things (Netherlands), 2021, 14, 100365.	7.7	115
3	Lexicon-based sentiment analysis of Arabic tweets. International Journal of Social Network Mining, 2015, 2, 101.	0.2	89
4	Clustering and classification of email contents. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 46-57.	3.9	60
5	Identifying cyber-attacks on software defined networks: An inference-based intrusion detection approach. Journal of Network and Computer Applications, 2017, 80, 152-164.	9.1	58
6	A novel root based Arabic stemmer. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 94-103.	3.9	39
7	Ensemble Detection Model for IoT IDS. Internet of Things (Netherlands), 2021, 16, 100435.	7.7	34
8	Robust channel estimation for Spectrally Efficient FDM system. , 2012, , .		32
9	Studying the Impact of Using Multimedia Interactive Programs on Children's Ability to Learn Basic Math Skills. E-Learning and Digital Media, 2013, 10, 305-319.	2.6	32
10	How Many Bots in Russian Troll Tweets?. Information Processing and Management, 2020, 57, 102303.	8.6	28
11	Software fault proneness prediction: a comparative study between bagging, boosting, and stacking ensemble and base learner methods. International Journal of Data Analysis Techniques and Strategies, 2017, 9, 1.	0.2	26
12	Evaluating network test scenarios for network simulators systems. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773821.	2.2	23
13	Challenges of Utilizing E-Learning Systems in Public Universities in Jordan. International Journal of Emerging Technologies in Learning, 2010, 5, 4.	1.3	23
14	The Effect of Stemming on Arabic Text Classification. International Journal of Information Retrieval Research, 2011, 1, 54-70.	0.7	21
15	Sentiment analysis of arabic social media content: a comparative study. , 2013, , .		21
16	Arabic sentiment polarity identification using a hybrid approach. , 2015, , .		20
17	Test Cases Reduction and Selection Optimization in Testing Web Services. International Journal of Information Engineering and Electronic Business, 2012, 4, 1-8.	1.2	20
18	Content-based analysis to detect Arabic web spam. Journal of Information Science, 2012, 38, 284-296.	3.3	17

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19	Impact of Programming Features on Code Readability. International Journal of Software Engineering and Its Applications, 2013, 7, 441-458.	0.2	17
20	Evaluating the change of software fault behavior with dataset attributes based on categorical correlation. Advances in Engineering Software, 2011, 42, 535-546.	3.8	16
21	A link and Content Hybrid Approach for Arabic Web Spam Detection. International Journal of Intelligent Systems and Applications, 2012, 5, 30-43.	1.1	16
22	Online integrity and authentication checking for Quran electronic versions. Applied Computing and Informatics, 2017, 13, 38-46.	5.9	15
23	Model Checking Aspect-Oriented Design Specification. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	13
24	Identifying DoS attacks on software defined networks: A relation context approach. , 2016, , .		13
25	Privacy and Social Capital in Online Social Networks. , 2016, , .		13
26	Anomaly detection in blockchain using network representation and machine learning. Security and Privacy, 2022, 5, e192.	2.7	13
27	Designing an interactive multimedia learning system for the children of primary schools in Jordan. , 2011, , .		12
28	Challenges of Software Requirements Quality Assurance and Validation: A Systematic Literature Review. IEEE Access, 2021, 9, 137613-137634.	4.2	12
29	SPAR: A system to detect spam in Arabic opinions. , 2013, , .		11
30	E-government website security concerns and citizens' adoption. Electronic Government, 2016, 12, 243.	0.2	11
31	Interaction-based Reputation Model in Online Social Networks. , 2016, , .		11
32	Polarity Classification of Arabic Sentiments. International Journal of Information Technology and Web Engineering, 2016, 11, 32-49.	1.6	10
33	The malware detection challenge of accuracy. , 2016, , .		10
34	The integration of access control levels based on SDN. International Journal of High Performance Computing and Networking, 2016, 9, 281.	0.4	10
35	Using genetic algorithms for test case generation and selection optimization. , 2010, , .		9
36	Predicting Software Projects Cost Estimation Based on Mining Historical Data. , 2012, 2012, 1-8.		9

#	ARTICLE	IF	CITATIONS
37	Evaluating Arabic spam classifiers using link analysis. , 2012, , .		8
38	The Evaluation of the Public Opinion - A Case Study: MERS-CoV Infection Virus in KSA. , 2014, , .		8
39	The Utilization of User Sessions in Testing. , 2008, , .		7
40	Web Structural Metrics Evaluation. , 2010, , .		7
41	Model-Based Testing of SDN Firewalls: A Case Study. , 2015, , .		7
42	Regions-of-interest discovering and predicting in smartphone environments. Pervasive and Mobile Computing, 2018, 47, 31-53.	3.3	7
43	Is Bigger, Better? Exploring U.S. News Graduate Education Program Rankings and Internet Characteristics. Interchange, 2019, 50, 205-219.	1.8	7
44	Towards the availability of video communication in artificial intelligence-based computer vision systems utilizing a multi-objective function. Cluster Computing, 2022, 25, 231-247.	5.0	7
45	Query classification and study of university students' search trends. Data Technologies and Applications, 2012, 46, 220-241.	0.8	6
46	An interactive predictive system for weather forecasting. , 2012, , .		6
47	Selecting a standard set of attributes for cost estimation of software projects. , 2012, , .		6
48	A software development process for open source and open competition projects. International Journal of Business Information Systems, 2013, 12, 110.	0.2	6
49	Effective pair programming practice: toward improving student learning in software engineering class. International Journal of Teaching and Case Studies, 2013, 4, 336.	0.1	6
50	Evaluation of Spam Impact on Arabic Websites Popularity. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 222-229.	3.9	6
51	The Automatic Evaluation of Website Metrics and State. International Journal of Web-Based Learning and Teaching Technologies, 2010, 5, 1-17.	0.9	6
52	Jordan E-Government Challenges and Progresses. International Journal of Advanced Corporate Learning, 2010, 3, 37.	0.6	6
53	A Business Classifier to Detect Readability Metrics on Software Games and Their Types. International Journal of E-Entrepreneurship and Innovation, 2013, 4, 47-57.	0.6	6
54	Adversarial Machine Learning in Text Processing: A Literature Survey. IEEE Access, 2022, 10, 17043-17077.	4.2	6

#	ARTICLE	IF	CITATIONS
55	Examining Web Search Trends Across Arab Countries. Arabian Journal for Science and Engineering, 2012, 37, 1585-1593.	1.1	5
56	A Conceptual Organization for Websites Metrics and E-Government Websites. International Journal of Information Communication Technologies and Human Development, 2012, 4, 93-117.	0.3	5
57	Examining University Ranking Metrics. , 2018, , .		5
58	U.S. News & World Report Best Colleges rankings: Which institutional metrics contribute to sustained stratification?. Scientometrics, 2020, 124, 1851-1869.	3.0	5
59	Vulnerability assessment of industrial systems using Shodan. Cluster Computing, 2022, 25, 1563-1573.	5.0	5
60	Towards building data analytics benchmarks for IoT intrusion detection. Cluster Computing, 0, , 1.	5.0	5
61	Open Source Evolution Analysis. Conference on Software Maintenance, Proceedings of the, 2006, , .	0.0	4
62	The correlation between source code analysis change recommendations and software metrics. , 2012, , .		4
63	Evaluating the correlation between software defect and design coupling metrics. , 2012, , .		4
64	Video spam and public opinion in current Middle Eastern conflicts. International Journal of Social Network Mining, 2013, 1, 318.	0.2	4
65	Evaluation of Cost Estimation Metrics: Towards a Unified Terminology. Journal of Computing and Information Technology, 2013, 21, 23.	0.3	4
66	Collaboration Networks of Levantine Biomedical Researchers. , 2014, , .		4
67	Mobile agents modelling using UML. International Journal of Business Information Systems, 2015, 19, 419.	0.2	4
68	Building an Islamic financial information system based on policy managements. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 364-375.	3.9	4
69	The NICE Cyber Security Framework. , 2020, , .		4
70	The Introduction of Several User Interface Structural Metrics to Make Test Automation More Effective. The Open Software Engineering Journal, 2009, 3, 72-77.	0.4	4
71	The Effect of Stemming on Arabic Text Classification. , 0, , 207-225.		4
72	Textual Manipulation for SQL Injection Attacks. International Journal of Computer Network and Information Security, 2013, 6, 26-33.	1.9	4

#	ARTICLE	IF	CITATIONS
73	Misconfiguration in Firewalls and Network Access Controls: Literature Review. Future Internet, 2021, 13, 283.	3.8	4
74	A Deep Learning Ensemble Approach to Detecting Unknown Network Attacks. Journal of Information Security and Applications, 2022, 67, 103196.	2.5	4
75	Improving understandability in teaching of software engineering and connectivity with the industry. , 2011, , .		3
76	Checking the efficiency of integrity tests in distributed and parallel database. International Journal of Business Information Systems, 2012, 11, 235.	0.2	3
77	Study the impact of improving source code on software metrics. , 2012, , .		3
78	Evaluating graphical and statistical techniques for measuring similarity in DNA sequences. , 2012, , .		3
79	Using Mutation to Enhance GUI Testing Coverage. IEEE Software, 2013, 30, 67-73.	1.8	3
80	The impact of using pair programming: a case study. International Journal of Teaching and Case Studies, 2013, 4, 313.	0.1	3
81	Network Parallelization in HPC Clusters. , 2016, , .		3
82	Toward Autonomous and Collaborative Information-Credibility-Assessment Systems. Procedia Computer Science, 2020, 168, 118-122.	2.0	3
83	Integration of Data Envelopment Analysis and Clustering Methods. Journal of Information and Knowledge Management, 2020, 19, 2040006.	1.1	3
84	Activities and Trends in Testing Graphical User Interfaces Automatically. Journal of Software Engineering, 2010, 5, 1-19.	0.2	3
85	URL Links Malicious Classification Towards Autonomous Threat Detection Systems. Lecture Notes in Networks and Systems, 2022, , 497-506.	0.7	3
86	Order model reduction for two-time-scale systems based on neural network estimation. , 2007, , .		2
87	Using XML files to document the user interfaces of applications. , 2009, , .		2
88	Vulnerability assessments: a case study of Jordanian universities. , 2015, , .		2
89	Websites' Input Validation and Input-Misuse-Based Attacks. , 2016, , .		2
90	Network slicing to improve multicasting in HPC clusters. Cluster Computing, 2018, 21, 1493-1506.	5.0	2

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91	Test Cases Selection Based on Source Code Features Extraction. International Journal of Software Engineering and Its Applications, 2014, 8, 203-214.	0.2	2
92	Building an e-Commerce Infrastructure in Jordan: Challenges and Requirements. International Journal of Interactive Mobile Technologies, 2010, 4, 18.	1.2	2
93	Authentication Mechanisms for E-Voting. , 2013, , 71-86.		2
94	Adversarial Machine Learning, Research Trends and Applications. Studies in Computational Intelligence, 2022, , 27-55.	0.9	2
95	Automatic Coverage Evaluation for a Medical Expert System. , 2012, , .		1
96	Enhancing query retrieval efficiency using BGIT coding. , 2012, , .		1
97	The evaluation of trust and credibility metrics: Websites of Jordanian universities and e-government portals as a case study. , 2013, , .		1
98	Techniques to Preserve the Integrity of the Electronic Versions of the Nobel Quran. , 2013, , .		1
99	Sentiment analysis of arabic social media content: a comparative study. , 2013, , .		1
100	Students performance between classical and online education: a comparative study. International Journal of Continuing Engineering Education and Life-Long Learning, 2016, 26, 359.	0.2	1
101	A Model Based Approach for the Extraction of Network Forensic Artifacts. , 2017, , .		1
102	Software attributes that impact popularity. , 2017, , .		1
103	How Much Automation can be Done in Testing?. , 2012, , 1-29.		1
104	Authentication Mechanisms for E-Voting. , 2015, , 766-781.		1
105	Separation of Concerns in Teaching Software Engineering. , 2010, , 29-38.		1
106	Annotations, Collaborative Tagging, and Searching Mathematics in E-Learning. International Journal of Advanced Computer Science and Applications, 2011, 2, .	0.7	1
107	The Effects of Neural Networks Training Factors on Stock Price Prediction Errors. , 2012, , .		1
108	Implications for Website Trust and Credibility Assessment. International Journal of E-Entrepreneurship and Innovation, 2012, 3, 17-33.	0.6	1

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109	Toward Agile Interactive Software Development Process Models for Crowd Source Projects. , 2013, , 199-213.		1
110	Mutation Testing to Validate Networks Protocols. , 2020, , .		1
111	Models versus Datasets: Reducing Bias through Building a Comprehensive IDS Benchmark. Future Internet, 2021, 13, 318.	3.8	1
112	A framework for teaching software engineering introductory courses. International Journal of Education Economics and Development, 2011, 2, 380.	0.1	0
113	Query retrieval enhancement based on Huffman index terms encoding. , 2012, , .		0
114	Similarity evaluation of DNA sequences based on nucleotides similarity. , 2012, , .		0
115	The use of educational games for learning basic math skills in early classes. International Journal of Social Media and Interactive Learning Environments, 2013, 1, 213.	0.4	0
116	The analysis of large-scale climate data: Jordan case study. , 2014, , .		0
117	Evaluating the importance of the weight factors in DEA optimisation. International Journal of Data Science, 2015, 1, 172.	0.1	0
118	Deep vs. shallow learning-based filters of MS/MS spectra in support of protein search engines. , 2017, 2017, 1175-1182.		0
119	Deep learning-based MSMS spectra reduction in support of running multiple protein search engines on cloud. , 2017, 2017, 1909-1914.		0
120	Usersâ€™ Internet Searches as Proxies for Disease Escalation Trends. , 2019, , .		0
121	Testing Assessment of Group Collaborations in OSNs. Lecture Notes in Social Networks, 2019, , 131-152.	0.1	0
122	multilingual and location evaluation of search engines for websites and searched for keywords. Brazilian Journal of Information Science, 2011, 4, .	0.2	0
123	oward Security Test Automation for Event Driven GUI Web Contents. International Journal of Computer Network and Information Security, 2012, 4, 19-25.	1.9	0
124	Lean Development. , 2013, , 142-150.		0
125	The Distribution of Testing Activities in Web Services and SOA Environment. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2013, , 119-134.	0.5	0
126	Software Development Methodologies for Cloud Computing. , 2013, , 110-117.		0

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127	Knowledge Management and Semantic Web Services. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2013, , 35-48.	0.5	0
128	Website Performance Measurement. , 2013, , 275-301.		0
129	Detecting Arabic Cloaking Web Pages Using Hybrid Techniques. International Journal of Hybrid Information Technology, 2013, 6, 109-126.	0.6	0
130	How Much Automation can be done in Testing?. , 2014, , 1828-1849.		0
131	Toward Agile Interactive Software Development Process Models for Crowd Source Projects. , 2014, , 117-131.		0
132	Website Performance Measurement. , 2014, , 1801-1827.		0
133	Improving the Sensitivity of Research Publication Indices Using Exponential Function and the Area under Curve. International Journal of Hybrid Information Technology, 2014, 7, 286-302.	0.6	0
134	Approaches for testing and evaluation of XACML Policies. International Journal of Security and Its Applications, 2014, 8, 101-112.	0.8	0
135	Improving Image Retrieval Through a Collection of Fast and Simple Visual Features Extraction. Applied Mathematics & Information Sciences Letters, 2014, 2, 65-76.	0.6	0
136	User Interface Design in Isolation from Underlying Code and Environment. Advances in Human and Social Aspects of Technology Book Series, 2017, , 175-183.	0.3	0
137	Opinion Mining. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2017, , 193-206.	0.8	0
138	User Interface Design in Isolation from Underlying Code and Environment. , 2018, , 530-538.		0
139	Applications of a Model to Evaluate and Utilize Users' Interactions in Online Social Networks. , 2019, , 105-121.		0
140	Towards building actionable indicators of compromise based on a collaboration model. , 2019, , .		0
141	Using Maximum Weighted Cliques in the Detection of Sub-communities' Behaviors in OSNs. Advances in Intelligent Systems and Computing, 2020, , 542-551.	0.6	0
142	Rating news claims: Feature selection and evaluation. Mathematical Biosciences and Engineering, 2020, 17, 1922-1939.	1.9	0
143	The Automatic Evaluation of Website Metrics and State. , 0, , 195-212.		0
144	Evaluating graphical and statistical techniques for measuring similarity in DNA sequences. , 2012, , .		0