Izzat Alsmadi

List of Publications by Year
in descending order

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	Vulnerability assessment of industrial systems using Shodan. Cluster Computing, 2022, 25, 1563-1573.	5.0	5
2	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
3	Anomaly detection in blockchain using network representation and machine learning. Security and Privacy, 2022, 5, e192.	2.7	13
4	Adversarial Machine Learning, Research Trends and Applications. Studies in Computational Intelligence, 2022, , 27-55.	0.9	2
5	Adversarial Machine Learning in Text Processing: A Literature Survey. IEEE Access, 2022, 10, 17043-17077.	4.2	6
6	URL Links Malicious Classification Towards Autonomous Threat Detection Systems. Lecture Notes in Networks and Systems, 2022, , 497-506.	0.7	3
7	A Deep Learning Ensemble Approach to Detecting Unknown Network Attacks. Journal of Information Security and Applications, 2022, 67, 103196.	2.5	4
8	Machine learning approaches to IoT security: A systematic literature review. Internet of Things (Netherlands), 2021, 14, 100365.	7.7	115
9	Ensemble Detection Model for IoT IDS. Internet of Things (Netherlands), 2021, 16, 100435.	7.7	34
10	Challenges of Software Requirements Quality Assurance and Validation: A Systematic Literature Review. IEEE Access, 2021, 9, 137613-137634.	4.2	12
11	Misconfiguration in Firewalls and Network Access Controls: Literature Review. Future Internet, 2021, 13, 283.	3.8	4
12	Models versus Datasets: Reducing Bias through Building a Comprehensive IDS Benchmark. Future Internet, 2021, 13, 318.	3.8	1
13	U.S. News & World Report Best Colleges rankings: Which institutional metrics contribute to sustained stratification?. Scientometrics, 2020, 124, 1851-1869.	3.0	5
14	How Many Bots in Russian Troll Tweets?. Information Processing and Management, 2020, 57, 102303.	8.6	28
15	Toward Autonomous and Collaborative Information-Credibility-Assessment Systems. Procedia Computer Science, 2020, 168, 118-122.	2.0	3
16	Integration of Data Envelopment Analysis and Clustering Methods. Journal of Information and Knowledge Management, 2020, 19, 2040006.	1.1	3
17	The NICE Cyber Security Framework. , 2020, , .		4
18	Using Maximum Weighted Cliques in the Detection of Sub-communitiesâ€™ Behaviors in OSNs. Advances in Intelligent Systems and Computing, 2020, , 542-551.	0.6	0

#	Article	IF	Citations
19	Mutation Testing to Validate Networks Protocols. , 2020, , .		1
20	Rating news claims: Feature selection and evaluation. Mathematical Biosciences and Engineering, 2020, 17, 1922-1939.	1.9	0
21	Is Bigger, Better? Exploring U.S. News Graduate Education Program Rankings and Internet Characteristics. Interchange, 2019, 50, 205-219.	1.8	7
22	Users' Internet Searches as Proxies for Disease Escalation Trends. , 2019, , .		0
23	Testing Assessment of Group Collaborations in OSNs. Lecture Notes in Social Networks, 2019, , 131-152.	0.1	0
24	Applications of a Model to Evaluate and Utilize Users' Interactions in Online Social Networks. , 2019, , 105-121.		0
25	Towards building actionable indicators of compromise based on a collaboration model. , 2019, , .		0
26	Network slicing to improve multicasting in HPC clusters. Cluster Computing, 2018, 21, 1493-1506.	5.0	2
27	Examining University Ranking Metrics. , 2018, , .		5
28	Regions-of-interest discovering and predicting in smartphone environments. Pervasive and Mobile Computing, 2018, 47, 31-53.	3.3	7
29	User Interface Design in Isolation from Underlying Code and Environment. , 2018, , 530-538.		0
30	Online integrity and authentication checking for Quran electronic versions. Applied Computing and Informatics, 2017, 13, 38-46.	5.9	15
31	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
32	Evaluating network test scenarios for network simulators systems. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773821.	2.2	23
33	Deep vs. shallow learning-based filters of MS/MS spectra in support of protein search engines. , 2017, 2017, 1175-1182.		0
34	Deep learning-based MSMS spectra reduction in support of running multiple protein search engines on cloud. , 2017, 2017, 1909-1914.		0
35	A Model Based Approach for the Extraction of Network Forensic Artifacts. , 2017, , .		1
36	Software attributes that impact popularity. , 2017, , .		1

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37	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
38	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
39	Opinion Mining. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2017, , 193-206.	0.8	0
40	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
41	Polarity Classification of Arabic Sentiments. International Journal of Information Technology and Web Engineering, 2016, 11, 32-49.	1.6	10
42	Identifying DoS attacks on software defined networks: A relation context approach. , 2016, , .		13
43	Network Parallelization in HPC Clusters. , 2016, , .		3
44	The malware detection challenge of accuracy. , 2016, , .		10
45	Privacy and Social Capital in Online Social Networks. , 2016, , .		13
46	The integration of access control levels based on SDN. International Journal of High Performance Computing and Networking, 2016, 9, 281.	0.4	10
47	E-government website security concerns and citizens' adoption. Electronic Government, 2016, 12, 243.	0.2	11
48	Websites' Input Validation and Input-Misuse-Based Attacks. , 2016, , .		2
49	Interaction-based Reputation Model in Online Social Networks. , 2016, , .		11
50	Mobile agents modelling using UML. International Journal of Business Information Systems, 2015, 19, 419.	0.2	4
51	Security of Software Defined Networks: A survey. Computers and Security, 2015, 53, 79-108.	6.0	121
52	Evaluating the importance of the weight factors in DEA optimisation. International Journal of Data Science, 2015, 1, 172.	0.1	0
53	Vulnerability assessments: a case study of Jordanian universities. , 2015, , .		2
54	Model-Based Testing of SDN Firewalls: A Case Study. , 2015, , .		7

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55	Lexicon-based sentiment analysis of Arabic tweets. International Journal of Social Network Mining, 2015, 2, 101.	0.2	89
56	Clustering and classification of email contents. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 46-57.	3.9	60
57	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
58	A novel root based Arabic stemmer. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 94-103.	3.9	39
59	Evaluation of Spam Impact on Arabic Websites Popularity. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 222-229.	3.9	6
60	Arabic sentiment polarity identification using a hybrid approach. , 2015, , .		20
61	Authentication Mechanisms for E-Voting. , 2015, , 766-781.		1
62	The Evaluation of the Public Opinion - A Case Study: MERS-CoV Infection Virus in KSA. , 2014, , .		8
63	The analysis of large-scale climate data: Jordan case study. , 2014, , .		0
64	Collaboration Networks of Levantine Biomedical Researchers. , 2014, , .		4
65	Test Cases Selection Based on Source Code Features Extraction. International Journal of Software Engineering and Its Applications, 2014, 8, 203-214.	0.2	2
66	How Much Automation can be done in Testing?. , 2014, , 1828-1849.		0
67	Toward Agile Interactive Software Development Process Models for Crowd Source Projects. , 2014, , 117-131.		0
68	Website Performance Measurement. , 2014, , 1801-1827.		0
69	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
70	Approaches for testing and evaluation of XACML Policies. International Journal of Security and Its Applications, 2014, 8, 101-112.	0.8	0
71	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
72	A software development process for open source and open competition projects. International Journal of Business Information Systems, 2013, 12, 110.	0.2	6

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73	The evaluation of trust and credibility metrics: Websites of Jordanian universities and e-government portals as a case study. , 2013, , .		1
74	SPAR: A system to detect spam in Arabic opinions. , 2013, , .		11
75	Sentiment analysis of arabic social media content: a comparative study. , 2013, , .		21
76	Techniques to Preserve the Integrity of the Electronic Versions of the Nobel Quran. , 2013, , .		1
77	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
78	Using Mutation to Enhance GUI Testing Coverage. IEEE Software, 2013, 30, 67-73.	1.8	3
79	Sentiment analysis of arabic social media content: a comparative study. , 2013, , .		1
80	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
81	Video spam and public opinion in current Middle Eastern conflicts. International Journal of Social Network Mining, 2013, 1, 318.	0.2	4
82	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
83	The impact of using pair programming: a case study. International Journal of Teaching and Case Studies, 2013, 4, 313.	0.1	3
84	Evaluation of Cost Estimation Metrics: Towards a Unified Terminology. Journal of Computing and Information Technology, 2013, 21, 23.	0.3	4
85	Impact of Programming Features on Code Readability. International Journal of Software Engineering and Its Applications, 2013, 7, 441-458.	0.2	17
86	Toward Agile Interactive Software Development Process Models for Crowd Source Projects. , 2013, , 199-213.		1
87	Lean Development. , 2013, , 142-150.		0
88	Authentication Mechanisms for E-Voting. , 2013, , 71-86.		2
89	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
90	Software Development Methodologies for Cloud Computing. , 2013, , 110-117.		0

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91	Knowledge Management and Semantic Web Services. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2013, , 35-48.	0.5	0
92	Website Performance Measurement. , 2013, , 275-301.		0
93	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
94	Textual Manipulation for SQL Injection Attacks. International Journal of Computer Network and Information Security, 2013, 6, 26-33.	1.9	4
95	Detecting Arabic Cloaking Web Pages Using Hybrid Techniques. International Journal of Hybrid Information Technology, 2013, 6, 109-126.	0.6	0
96	Query classification and study of university students' search trends. Data Technologies and Applications, 2012, 46, 220-241.	0.8	6
97	Evaluating Arabic spam classifiers using link analysis. , 2012, , .		8
98	Query retrieval enhancement based on Huffman index terms encoding. , 2012, , .		0
99	Checking the efficiency of integrity tests in distributed and parallel database. International Journal of Business Information Systems, 2012, 11, 235.	0.2	3
100	Examining Web Search Trends Across Arab Countries. Arabian Journal for Science and Engineering, 2012, 37, 1585-1593.	1.1	5
101	Automatic Coverage Evaluation for a Medical Expert System. , 2012, , .		1
102	Robust channel estimation for Spectrally Efficient FDM system. , 2012, , .		32
103	Enhancing query retrieval efficiency using BGIT coding. , 2012, , .		1
104	Study the impact of improving source code on software metrics. , 2012, , .		3
105	Evaluating graphical and statistical techniques for measuring similarity in DNA sequences. , 2012, , .		3
106	An interactive predictive system for weather forecasting. , 2012, , .		6
107	The correlation between source code analysis change recommendations and software metrics. , 2012, , .		4
108	Content-based analysis to detect Arabic web spam. Journal of Information Science, 2012, 38, 284-296.	3.3	17

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109	Evaluating the correlation between software defect and design coupling metrics. , 2012, , .		4
110	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
111	Selecting a standard set of attributes for cost estimation of software projects. , 2012, , .		6
112	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
113	Similarity evaluation of DNA sequences based on nucleotides similarity. , 2012, , .		0
114	How Much Automation can be Done in Testing?. , 2012, , 1-29.		1
115	Predicting Software Projects Cost Estimation Based on Mining Historical Data. , 2012, 2012, 1-8.		9
116	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
117	The Effects of Neural Networks Training Factors on Stock Price Prediction Errors. , 2012, , .		1
118	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
119	Implications for Website Trust and Credibility Assessment. International Journal of E-Entrepreneurship and Innovation, 2012, 3, 17-33.	0.6	1
120	Evaluating graphical and statistical techniques for measuring similarity in DNA sequences. , 2012, , .		0
121	Designing an interactive multimedia learning system for the children of primary schools in Jordan. , 2011, , .		12
122	The Effect of Stemming on Arabic Text Classification. International Journal of Information Retrieval Research, 2011, 1, 54-70.	0.7	21
123	A framework for teaching software engineering introductory courses. International Journal of Education Economics and Development, 2011, 2, 380.	0.1	0
124	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
125	Improving understandability in teaching of software engineering and connectivity with the industry. , 2011, , .		3
126	Annotations, Collaborative Tagging, and Searching Mathematics in E-Learning. International Journal of Advanced Computer Science and Applications, 2011, 2, .	0.7	1

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127	multilingual and location evaluation of search engines for websites and searched for keywords. Brazilian Journal of Information Science, 2011, 4, .	0.2	0
128	Web Structural Metrics Evaluation. , 2010, , .		7
129	Using genetic algorithms for test case generation and selection optimization. , 2010, , .		9
130	Challenges of Utilizing E-Learning Systems in Public Universities in Jordan. International Journal of Emerging Technologies in Learning, 2010, 5, 4.	1.3	23
131	The Automatic Evaluation of Website Metrics and State. International Journal of Web-Based Learning and Teaching Technologies, 2010, 5, 1-17.	0.9	6
132	Separation of Concerns in Teaching Software Engineering. , 2010, , 29-38.		1
133	Jordan E-Government Challenges and Progresses. International Journal of Advanced Corporate Learning, 2010, 3, 37.	0.6	6
134	Building an e-Commerce Infrastructure in Jordan: Challenges and Requirements. International Journal of Interactive Mobile Technologies, 2010, 4, 18.	1.2	2
135	Activities and Trends in Testing Graphical User Interfaces Automatically. Journal of Software Engineering, 2010, 5, 1-19.	0.2	3
136	Using XML files to document the user interfaces of applications. , 2009, , .		2
137	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
138	The Utilization of User Sessions in Testing. , 2008, , .		7
139	Model Checking Aspect-Oriented Design Specification. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	13
140	Order model reduction for two-time-scale systems based on neural network estimation. , 2007, , .		2
141	Open Source Evolution Analysis. Conference on Software Maintenance, Proceedings of the, 2006, , .	0.0	4
142	Towards building data analytics benchmarks for IoT intrusion detection. Cluster Computing, 0, , 1.	5.0	5
143	The Effect of Stemming on Arabic Text Classification. , 0, , 207-225.		4
144	The Automatic Evaluation of Website Metrics and State. , 0, , 195-212.		0