Ashkan Sami

List of Publications by Year
in descending order

67 papers	1,258 citations	430874 18 h-index	434195 31 g-index
70 all docs	70 docs citations	70 times ranked	1209 citing authors

#	Article	IF	Citations
1	An Empirical Study of C++ Vulnerabilities in Crowd-Sourced Code Examples. IEEE Transactions on Software Engineering, 2022, 48, 1497-1514.	5.6	12
2	Intrusion Detection, Measurement Correction, and Attack Localization of PMU Networks. IEEE Transactions on Industrial Electronics, 2022, 69, 4697-4706.	7.9	11
3	Data mining-based cause identification of momentary outages in power distribution systems. Sustainable Cities and Society, 2022, 77, 103587.	10.4	3
4	Organ-specific or personalized treatment for COVID-19: rationale, evidence, and potential candidates. Functional and Integrative Genomics, 2022, 22, 429-433.	3.5	7
5	EfficientMask-Net for face authentication in the era of COVID-19 pandemic. Signal, Image and Video Processing, 2022, 16, 1991-1999.	2.7	3
6	Short-term individual residential load forecasting using an enhanced machine learning-based approach based on a feature engineering framework: A comparative study with deep learning methods. Electric Power Systems Research, 2022, 210, 108119.	3.6	10
7	Outage Cause Detection in Power Distribution Systems Based on Data Mining. IEEE Transactions on Industrial Informatics, 2021, 17, 640-649.	11.3	29
8	Particular matter prediction using synergy of multiple source urban big data in smart cities. Intelligent Decision Technologies, 2021, 15, 371-385.	0.9	3
9	De novo design of novel protease inhibitor candidates in the treatment of SARS-CoV-2 using deep learning, docking, and molecular dynamic simulations. Computers in Biology and Medicine, 2021, 139, 104967.	7.0	55
10	A large margin piecewise linear classifier with fusion of deep features in the diagnosis of COVID-19. Computers in Biology and Medicine, 2021, 139, 104927.	7.0	3
11	A connectivity map-based drug repurposing study and integrative analysis of transcriptomic profiling of SARS-CoV-2 infection. Infection, Genetics and Evolution, 2020, 86, 104610.	2.3	25
12	Towards Sustainable Smart City by Particulate Matter Prediction Using Urban Big Data, Excluding Expensive Air Pollution Infrastructures. Big Data Research, 2019, 17, 56-65.	4.2	62
13	Visual Studio Automated Refactoring Tool Should Improve Development Time, but ReSharper Led to More Solution-Build Failures. , 2019, , .		1
14	Identifying mutation positions in all segments of influenza genome enables better differentiation between pandemic and seasonal strains. Gene, 2019, 697, 78-85.	2.2	8
15	Multi-source dataset for urban computing in a Smart City. Data in Brief, 2019, 22, 222-226.	1.0	13
16	Distribution Power System Outage Diagnosis based on Root Cause Analysis. Scientia Iranica, 2019, .	0.4	0
17	Identification of False Data Injection Attacks With Considering the Impact of Wind Generation and Topology Reconfigurations. IEEE Transactions on Sustainable Energy, 2018, 9, 1349-1364.	8.8	46
18	Mining and extraction of personal software process measures through IDE interaction logs. , 2018, , .		4

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19	SIDS: State-based intrusion detection for stage-based cyber physical systems. International Journal of Critical Infrastructure Protection, 2018, 22, 113-124.	4.6	18
20	Improve Home Energy Management System by Extracting Usage Patterns From Power Usage Big Data of Homes' Appliances. Advances in Computer and Electrical Engineering Book Series, 2018, , 126-141.	0.3	1
21	A statistical unsupervised method against false data injection attacks: A visualization-based approach. Expert Systems With Applications, 2017, 84, 242-261.	7.6	53
22	MAAR: Robust features to detect malicious activity based on API calls, their arguments and return values. Engineering Applications of Artificial Intelligence, 2017, 59, 93-102.	8.1	66
23	SADCPS: Semi-supervised attack detection in cyber physical systems. , 2017, , .		1
24	A Multiple-Classifier Framework for Parkinson's Disease Detection Based on Various Vocal Tests. International Journal of Telemedicine and Applications, 2016, 2016, 1-9.	2.0	39
25	Extracting Usage Patterns from Power Usage Data of Homes' Appliances in Smart Home using Big Data Platform. International Journal of Information Technology and Web Engineering, 2016, 11, 39-50.	1.6	16
26	Novel approach for identification of influenza virus host range and zoonotic transmissible sequences by determination of host-related associative positions in viral genome segments. BMC Genomics, 2016, 17, 925.	2.8	29
27	Automated flow-based rule generation for network intrusion detection systems. , 2016, , .		13
28	Evaluating and comparing complexity, coupling and a new proposed set of coupling metrics in cross-project vulnerability prediction. , 2016, , .		30
29	Employing secure coding practices into industrial applications: a case study. Empirical Software Engineering, 2016, 21, 4-16.	3.9	4
30	CIP-UQIM: A unified model for quality improvement in software SME's based on CMMI level 2 and 3. Information and Software Technology, 2016, 71, 27-57.	4.4	17
31	Scaling up the hybrid Particle Swarm Optimization algorithm for nominal data-sets. Intelligent Data Analysis, 2015, 19, 825-844.	0.9	3
32	DLLMiner: structural mining for malware detection. Security and Communication Networks, 2015, 8, 3311-3322.	1.5	36
33	SysDetect: A systematic approach to critical state determination for Industrial Intrusion Detection Systems using Apriori algorithm. Journal of Process Control, 2015, 32, 154-160.	3.3	52
34	Knowledge discovery and sequence-based prediction of pandemic influenza using an integrated classification and association rule mining (CBA) algorithm. Journal of Biomedical Informatics, 2015, 57, 181-188.	4.3	40
35	Dynamic VSA: a framework for malware detection based on register contents. Engineering Applications of Artificial Intelligence, 2015, 44, 111-122.	8.1	40
36	SePaS: Word sense disambiguation by sequential patterns in sentences. Natural Language Engineering, 2015, 21, 251-269.	2.5	4

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37	Integrity attack detection in PMU networks using static state estimation algorithm. , 2015, , .		11
38	Semi-Supervised Outlier Detection with Only Positive and Unlabeled Data Based on Fuzzy Clustering. International Journal on Artificial Intelligence Tools, 2015, 24, 1550003.	1.0	3
39	CBR Clone Based Software Flaw Detection Issues. , 2014, , .		1
40	A security test-bed for industrial control systems. , 2014, , .		4
41	The surveying of the effect of the incentive pays to the degree of the attraction of resources in bank branches through the data mining technique. , 2014, , .		0
42	Robust preprocessing for improving angle based outlier detection technique. , 2014, , .		1
43	Using feature generation from API calls for malware detection. Computer Fraud and Security, 2014, 2014, 9-18.	1.6	49
44	Software engineering issues regarding securing ICS: an industrial case study. , 2014, , .		3
45	Entropy-based outlier detection using semi-supervised approach with few positive examples. Pattern Recognition Letters, 2014, 49, 77-84.	4.2	43
46	Malware detection by behavioural sequential patterns. Computer Fraud and Security, 2013, 2013, 11-19.	1.6	46
47	Recovery scheme for Industrial Control Systems. , 2013, , .		0
48	Using complexity metrics to improve software security. Computer Fraud and Security, 2013, 2013, 8-17.	1.6	43
49	Semi-supervised outlier detection with only positive and unlabeled data based on fuzzy clustering. , 2013, , .		5
50	Particle Swarm Optimization in Solving Capacitated Vehicle Routing Problem. Bulletin of Electrical Engineering and Informatics, 2013, 2, .	0.8	2
51	Educational level and age as contributing factors to road traffic accidents. Chinese Journal of Traumatology - English Edition, 2013, 16, 281-5.	1.4	15
52	A miner for malware detection based on API function calls and their arguments. , 2012, , .		40
53	Multivariate rule-based seismicity map of Iran: a data-driven model. Bulletin of Earthquake Engineering, 2012, 10, 1667-1683.	4.1	14
54	Dynamic malware detection using registers values set analysis. , 2012, , .		21

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55	Software Defect Prediction Using Transitive Dependencies on Software Dependency Graph. Lecture Notes in Electrical Engineering, 2012, , 241-249.	0.4	0
56	Design-level metrics estimation based on code metrics. , 2010, , .		0
57	Mining Friendship from Cell-Phone Switch Data. , 2010, , .		7
58	Malware detection based on mining API calls. , 2010, , .		114
59	AGENT BASED DECISION TREE LEARNING: A NOVEL APPROACH. International Journal of Software Engineering and Knowledge Engineering, 2009, 19, 1015-1022.	0.8	1
60	A Recursive Classifier System for Partially Observable Environments. Fundamenta Informaticae, 2009, 97, 15-40.	0.4	5
61	Cooperative fuzzy rulebase construction based on a novel fuzzy decision tree. , 2009, , .		2
62	Association between Physical Activity and Urinary Incontinence in a Community-Based Elderly Population Aged 70 Years and Over. European Urology, 2007, 52, 868-875.	1.9	64
63	Obstacles and Misunderstandings Facing Medical Data Mining. Lecture Notes in Computer Science, 2006, , 856-863.	1.3	4
64	SDI: Shape Distribution Indicator and Its Application to Find Interrelationships Between Physical Activity Tests and Other Medical Measures. Lecture Notes in Computer Science, 2006, , 383-392.	1.3	0
65	OSDM: Optimized Shape Distribution Method. Lecture Notes in Computer Science, 2006, , 1057-1064.	1.3	0
66	Decision Tree Construction for Genetic Applications Based on Association Rules. , 2005, , .		2
67	A New Definition and Look at DNA Motif. , 0, , .		0