

# Nor Badrul Anuar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115  
papers

5,682  
citations

35  
h-index

74  
g-index

134  
ext. papers

7,038  
ext. citations

4.4  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
115	The rise of obfuscated Android malware and impacts on detection methods.. <i>PeerJ Computer Science</i> , <b>2022</b> , 8, e907	2.7	0
114	Prioritized Shortest Path Computation Mechanism (PSPCM) for wireless sensor networks.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264683	3.7	0
113	Understanding COVID-19 Halal Vaccination Discourse on Facebook and Twitter Using Aspect-Based Sentiment Analysis and Text Emotion Analysis. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19, 6269	4.6	1
112	GRAIN: Granular multi-label encrypted traffic classification using classifier chain. <i>Computer Networks</i> , <b>2022</b> , 109084	5.4	0
111	A survey on video content rating: taxonomy, challenges and open issues. <i>Multimedia Tools and Applications</i> , <b>2021</b> , 80, 24121	2.5	1
110	The rise of software vulnerability: Taxonomy of software vulnerabilities detection and machine learning approaches. <i>Journal of Network and Computer Applications</i> , <b>2021</b> , 179, 103009	7.9	8
109	Grano-GT: A granular ground truth collection tool for encrypted browser-based Internet traffic. <i>Computer Networks</i> , <b>2021</b> , 184, 107617	5.4	1
108	Local Gradient Difference Features for Classification of 2D-3D Natural Scene Text Images <b>2021</b> ,		1
107	Cyber parental control: A bibliometric study. <i>Children and Youth Services Review</i> , <b>2020</b> , 116, 105134	2	9
106	Examining what people tweet in relation to halal cosmetics-related topics. <i>Cogent Arts and Humanities</i> , <b>2020</b> , 7, 1724593	0.6	5
105	Sentiment analyses of multilingual tweets on halal tourism. <i>Tourism Management Perspectives</i> , <b>2020</b> , 34, 100658	5.8	28
104	The rise of traffic classification in IoT networks: A survey. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 154, 102538	7.9	54
103	Performance and Security Challenges Digital Rights Management (DRM) Approaches Using Fog Computing for Data Provenance: A Survey. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2020</b> , 10, 2404-2420	1.2	4
102	Tweep: A System Development to Detect Depression in Twitter Posts. <i>Lecture Notes in Electrical Engineering</i> , <b>2020</b> , 543-552	0.2	6
101	Applications of link prediction in social networks: A review. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 166, 102716	7.9	42
100	MapReduce scheduling algorithms: a review. <i>Journal of Supercomputing</i> , <b>2020</b> , 76, 4915-4945	2.5	12
99	Blending Big Data Analytics: Review on Challenges and a Recent Study. <i>IEEE Access</i> , <b>2020</b> , 8, 3629-3645	3.5	31

98	Challenges and Recommended Solutions in Multi-Source and Multi-Domain Sentiment Analysis. <i>IEEE Access</i> , <b>2019</b> , 7, 144957-144971	3.5	2
97	Halal Products on Twitter: Data Extraction and Sentiment Analysis Using Stack of Deep Learning Algorithms. <i>IEEE Access</i> , <b>2019</b> , 7, 83354-83362	3.5	27
96	Evaluation of IoT-Based Computational Intelligence Tools for DNA Sequence Analysis in Bioinformatics. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 339-350	0.4	3
95	The rise of Blockchain—bibliometric analysis of blockchain study. <i>Scientometrics</i> , <b>2019</b> , 120, 1289-1331	3	58
94	User Profiling in Anomaly Detection of Authorization Logs. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 59-65	0.2	3
93	Less Give More—Evaluate and zoning Android applications. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 133, 396-411	4.6	8
92	SMSAD: a framework for spam message and spam account detection. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 3925-3960	2.5	17
91	Cost Effective Network Flow Measurement for Software Defined Networks: A Distributed Controller Scenario. <i>IEEE Access</i> , <b>2018</b> , 6, 5182-5198	3.5	19
90	Bio-inspired computational paradigm for feature investigation and malware detection: interactive analytics. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 17519-17555	2.5	18
89	Challenges of Internet of Things and Big Data Integration. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 47-55	0.2	12
88	Root Exploit Detection and Features Optimization: Mobile Device and Blockchain Based Medical Data Management. <i>Journal of Medical Systems</i> , <b>2018</b> , 42, 112	5.1	30
87	Discovering optimal features using static analysis and a genetic search based method for Android malware detection. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2018</b> , 19, 712-736	2.2	28
86	Evaluation of Network Traffic Analysis Using Fuzzy C-Means Clustering Algorithm in Mobile Malware Detection. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 929-932	0.1	12
85	Performance Evaluation of Machine Learning Algorithms for Spam Profile Detection on Twitter Using WEKA and RapidMiner. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 1043-1046	0.1	7
84	Multi-objective scheduling of MapReduce jobs in big data processing. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 9979-9994	2.5	19
83	Bio-inspired for Features Optimization and Malware Detection. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 6963-6979	2.5	22
82	<b>2018</b> ,		14
81	Detecting opinion spams through supervised boosting approach. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198884	3.7	12

80	The Evolution of Android Malware and Android Analysis Techniques. <i>ACM Computing Surveys</i> , <b>2017</b> , 49, 1-41	13.4	146
79	Blind source computer device identification from recorded VoIP calls for forensic investigation. <i>Forensic Science International</i> , <b>2017</b> , 272, 111-126	2.6	3
78	Cloud-Based Intrusion Detection and Response System: Open Research Issues, and Solutions. <i>Arabian Journal for Science and Engineering</i> , <b>2017</b> , 42, 399-423	2.5	17
77	Malicious accounts: Dark of the social networks. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 79, 41-67	7.9	84
76	Cross-VM cache-based side channel attacks and proposed prevention mechanisms: A survey. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 93, 259-279	7.9	20
75	Source camera identification: a distributed computing approach using Hadoop. <i>Journal of Cloud Computing: Advances, Systems and Applications</i> , <b>2017</b> , 6,	3.2	4
74	A multi-objective software defined network traffic measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 95, 317-327	4.6	27
73	AndroDialysis: Analysis of Android Intent Effectiveness in Malware Detection. <i>Computers and Security</i> , <b>2017</b> , 65, 121-134	4.9	108
72	Performance evaluation of virtual desktop operating systems in virtual desktop infrastructure <b>2017</b> ,		4
71	Computational intelligence tools and databases in bioinformatics <b>2017</b> ,		2
70	An Overview of Audio Event Detection Methods from Feature Extraction to Classification. <i>Applied Artificial Intelligence</i> , <b>2017</b> , 31, 661-714	2.3	13
69	The Internet of Things adoption in healthcare applications <b>2017</b> ,		10
68	ABC: Android Botnet Classification Using Feature Selection and Classification Algorithms. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 4717-4720	0.1	10
67	The Feasibility of Employing IEEE802.11p in Electronic-Based Congestion Pricing Zone: A Comparative Study with RFID. <i>Malaysian Journal of Computer Science</i> , <b>2017</b> , 29, 247-261	1.2	3
66	The rise of malware—Bibliometric analysis of malware study. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 75, 58-76	7.9	58
65	Big data: From beginning to future. <i>International Journal of Information Management</i> , <b>2016</b> , 36, 1231-1247	16.4	209
64	The role of big data in smart city. <i>International Journal of Information Management</i> , <b>2016</b> , 36, 748-758	16.4	576
63	Evaluation of machine learning classifiers for mobile malware detection. <i>Soft Computing</i> , <b>2016</b> , 20, 343-353	3.7	193

62	Secure and dependable software defined networks. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 61, 199-221	7.9	73
61	An evolution of image source camera attribution approaches. <i>Forensic Science International</i> , <b>2016</b> , 262, 242-75	2.6	6
60	Intrusion response systems: Foundations, design, and challenges. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 62, 53-74	7.9	53
59	The rise of keyloggers on smartphones: A survey and insight into motion-based tap inference attacks. <i>Pervasive and Mobile Computing</i> , <b>2016</b> , 25, 1-25	3.5	33
58	DyHAP: Dynamic Hybrid ANFIS-PSO Approach for Predicting Mobile Malware. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162627	5.7	31
57	MapReduce: Review and open challenges. <i>Scientometrics</i> , <b>2016</b> , 109, 389-422	3	51
56	Service delivery models of cloud computing: security issues and open challenges. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 4726-4750	1.9	11
55	High-performance combination method of electric network frequency and phase for audio forgery detection in battery-powered devices. <i>Forensic Science International</i> , <b>2016</b> , 266, 427-439	2.6	7
54	Co-FQL: Anomaly detection using cooperative fuzzy Q-learning in network. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 28, 1345-1357	1.6	8
53	A review on feature selection in mobile malware detection. <i>Digital Investigation</i> , <b>2015</b> , 13, 22-37	3.3	113
52	Pixel value differencing steganography techniques: Analysis and open challenge <b>2015</b> ,		5
51	The landscape of research on smartphone medical apps: Coherent taxonomy, motivations, open challenges and recommendations. <i>Computer Methods and Programs in Biomedicine</i> , <b>2015</b> , 122, 393-408	6.9	84
50	Man-At-The-End attacks: Analysis, taxonomy, human aspects, motivation and future directions. <i>Journal of Network and Computer Applications</i> , <b>2015</b> , 48, 44-57	7.9	41
49	Decreasing environmental impacts of cropping systems using life cycle assessment (LCA) and multi-objective genetic algorithm. <i>Journal of Cleaner Production</i> , <b>2015</b> , 86, 67-77	10.3	52
48	The rise of Big data in cloud computing: Review and open research issues. <i>Information Systems</i> , <b>2015</b> , 47, 98-115	2.7	1382
47	Survey of secure multipath routing protocols for WSNs. <i>Journal of Network and Computer Applications</i> , <b>2015</b> , 55, 123-153	7.9	30
46	A multi-objective evolutionary algorithm for energy management of agricultural systems: A case study in Iran. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 44, 457-465	16.2	38
45	Blind Source Computer Device Identification From Recorded Calls. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 263-275	0.2	1

44	Comparative Evaluation of Ensemble Learning and Supervised Learning in Android Malwares Using Network-Based Analysis. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 1025-1035	0.2	2
43	Cooperative game theoretic approach using fuzzy Q-learning for detecting and preventing intrusions in wireless sensor networks. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 32, 228-241	7.2	106
42	Calculation of optimal induction heater capacitance based on the smart bacterial foraging algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 61, 326-334	5.1	6
41	Adaptive neuro-fuzzy estimation of optimal lens system parameters. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 55, 84-93	4.6	23
40	Adaptive neuro-fuzzy estimation of building augmentation of wind turbine power. <i>Computers and Fluids</i> , <b>2014</b> , 97, 188-194	2.8	17
39	Evaluation of traditional and consolidated rice farms in Guilan Province, Iran, using life cycle assessment and fuzzy modeling. <i>Science of the Total Environment</i> , <b>2014</b> , 481, 242-51	10.2	59
38	Routing protocol design for secure WSN: Review and open research issues. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 41, 517-530	7.9	62
37	Adaptive neuro-fuzzy generalization of wind turbine wake added turbulence models. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 36, 270-276	16.2	18
36	D-FICCA: A density-based fuzzy imperialist competitive clustering algorithm for intrusion detection in wireless sensor networks. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 55, 212-226	4.6	82
35	Adaptive neuro-fuzzy maximal power extraction of wind turbine with continuously variable transmission. <i>Energy</i> , <b>2014</b> , 64, 868-874	7.9	152
34	Modulation transfer function estimation of optical lens system by adaptive neuro-fuzzy methodology. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2014</b> , 117, 121-131	0.7	2
33	An appraisal of wind turbine wake models by adaptive neuro-fuzzy methodology. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 63, 618-624	5.1	29
32	Ant-based vehicle congestion avoidance system using vehicular networks. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 36, 303-319	7.2	43
31	Blind source mobile device identification based on recorded call. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 36, 320-331	7.2	8
30	Mobile botnet detection: Proof of concept <b>2014</b> ,		9
29	Co-FAIS: Cooperative fuzzy artificial immune system for detecting intrusion in wireless sensor networks. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 42, 102-117	7.9	71
28	Support vector regression methodology for wind turbine reaction torque prediction with power-split hydrostatic continuous variable transmission. <i>Energy</i> , <b>2014</b> , 67, 623-630	7.9	92
27	An appraisal of wind speed distribution prediction by soft computing methodologies: A comparative study. <i>Energy Conversion and Management</i> , <b>2014</b> , 84, 133-139	10.6	46

26	Adaptive neuro-fuzzy optimization of wind farm project net profit. <i>Energy Conversion and Management</i> , <b>2014</b> , 80, 229-237	10.6	26
25	Sensorless estimation of wind speed by adaptive neuro-fuzzy methodology. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 62, 490-495	5.1	28
24	Potential of radial basis function-based support vector regression for apple disease detection. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 55, 512-519	4.6	67
23	A cooperative expert based support vector regression (Co-ESVR) system to determine collar dimensions around bridge pier. <i>Neurocomputing</i> , <b>2014</b> , 140, 172-184	5.4	23
22	Ant colony optimisation for vehicle traffic systems: applications and challenges. <i>International Journal of Bio-Inspired Computation</i> , <b>2014</b> , 6, 32	2.9	31
21	Cloud service selection using multicriteria decision analysis. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 459375	2.2	88
20	Towards dynamic remote data auditing in computational clouds. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 269357	2.2	21
19	A response selection model for intrusion response systems: Response Strategy Model (RSM). <i>Security and Communication Networks</i> , <b>2014</b> , 7, 1831-1848	1.9	1
18	Comparative study of k-means and mini batch k-means clustering algorithms in android malware detection using network traffic analysis <b>2014</b> ,		21
17	Botnet detection techniques: review, future trends, and issues. <i>Journal of Zhejiang University: Science C</i> , <b>2014</b> , 15, 943-983		71
16	Blind identification of source mobile devices using VoIP calls <b>2014</b> ,		3
15	Adaptive neuro-fuzzy prediction of grasping object weight for passively compliant gripper. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 22, 424-431	7.5	19
14	An appraisal and design of a multi-agent system based cooperative wireless intrusion detection computational intelligence technique. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 2105-2127	7.2	80
13	Educating users to generate secure graphical password secrets: An initial study <b>2013</b> ,		2
12	Development of a new type of passively adaptive compliant gripper. <i>Industrial Robot</i> , <b>2013</b> , 40, 610-623	1.4	42
11	Anomaly Detection Using Cooperative Fuzzy Logic Controller. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 220-231	0.3	7
10	Incident prioritisation using analytic hierarchy process (AHP): Risk Index Model (RIM). <i>Security and Communication Networks</i> , <b>2013</b> , 6, 1087-1116	1.9	17
9	MoBots: A new generation of botnets on mobile devices and networks <b>2012</b> ,		25

8	Bots and botnets: An overview of characteristics, detection and challenges <b>2012</b> ,		28
7	A Response Strategy Model for Intrusion Response Systems. <i>International Federation for Information Processing</i> , <b>2012</b> , 573-578		2
6	An investigation and survey of response options for Intrusion Response Systems (IRSs) <b>2010</b> ,		10
5	A Single Journal Study: Malaysian Journal of Computer Science. <i>Malaysian Journal of Computer Science</i> , <b>2009</b> , 22, 1-18	1.2	16
4	Identifying False Alarm for Network Intrusion Detection System Using Hybrid Data Mining and Decision Tree. <i>Malaysian Journal of Computer Science</i> , <b>2008</b> , 21, 101-115	1.2	40
3	Building Online Historical Resources Collaboratively: Making the Most of a Digital Library to Reinforce ICT Skills in Malaysia. <i>Information Development</i> , <b>2004</b> , 20, 200-210	1.6	0
2	Inculcating ICT Skills through a Collaborative Digital Library Initiative for Educational Use. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 489-492	0.9	1
1	A new deep model for family and non-family photo identification. <i>Multimedia Tools and Applications</i> , <b>1</b>	2.5	