

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3689857/sk-hafizul-islam-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131 papers	2,997 citations	33 h-index	49 g-index
140 ext. papers	3,761 ext. citations	3.6 avg, IF	6.22 L-index

#	Paper	IF	Citations
131	Design of an anonymity-preserving three-factor authenticated key exchange protocol for wireless sensor networks. <i>Computer Networks</i> , 2016 , 101, 42-62	5.4	178
130	A robust and anonymous patient monitoring system using wireless medical sensor networks. <i>Future Generation Computer Systems</i> , 2018 , 80, 483-495	7.5	154
129	A more efficient and secure ID-based remote mutual authentication with key agreement scheme for mobile devices on elliptic curve cryptosystem. <i>Journal of Systems and Software</i> , 2011 , 84, 1892-1898	3.3	112
128	Provably Secure and Lightweight Certificateless Signature Scheme for IIoT Environments. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3701-3711	11.9	107
127	Lightweight and privacy-preserving RFID authentication scheme for distributed IoT infrastructure with secure localization services for smart city environment. <i>Future Generation Computer Systems</i> , 2018 , 83, 629-637	7.5	100
126	A robust and efficient password-based conditional privacy preserving authentication and group-key agreement protocol for VANETs. <i>Future Generation Computer Systems</i> , 2018 , 84, 216-227	7.5	93
125	Cryptanalysis and improvement of authentication and key agreement protocols for telecare medicine information systems. <i>Journal of Medical Systems</i> , 2014 , 38, 135	5.1	71
124	Provably Secure Identity-Based Signcryption Scheme for Crowdsourced Industrial Internet of Things Environments. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2904-2914	10.7	69
123	Design and analysis of an improved smartcard-based remote user password authentication scheme. <i>International Journal of Communication Systems</i> , 2016 , 29, 1708-1719	1.7	64
122	An Efficient and Practical Smart Card Based Anonymity Preserving User Authentication Scheme for TMIS using Elliptic Curve Cryptography. <i>Journal of Medical Systems</i> , 2015 , 39, 180	5.1	61
121	An intelligent/cognitive model of task scheduling for IoT applications in cloud computing environment. <i>Future Generation Computer Systems</i> , 2018 , 88, 254-261	7.5	57
120	Design of improved password authentication and update scheme based on elliptic curve cryptography. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 2703-2717		55
119	Efficient and Secure Anonymous Authentication With Location Privacy for IoT-Based WBANs. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2603-2611	11.9	53
118	A pairing-free identity-based authenticated group key agreement protocol for imbalanced mobile networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2012 , 67, 547-558	2	52
117	Cryptanalysis and Enhancement of Anonymity Preserving Remote User Mutual Authentication and Session Key Agreement Scheme for E-Health Care Systems. <i>Journal of Medical Systems</i> , 2015 , 39, 140	5.1	49
116	A Provably Secure ID-Based Mutual Authentication and Key Agreement Scheme for Mobile Multi-Server Environment Without ESL Attack. <i>Wireless Personal Communications</i> , 2014 , 79, 1975-1991	1.9	49
115	A novel machine learning based feature selection for motor imagery EEG signal classification in Internet of medical things environment. <i>Future Generation Computer Systems</i> , 2019 , 98, 419-434	7.5	48

114	Applying an ensemble convolutional neural network with Savitzky-Golay filter to construct a phonocardiogram prediction model. <i>Applied Soft Computing Journal</i> , 2019 , 78, 29-40	7.5	46
113	Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs. <i>Information Sciences</i> , 2019 , 497, 77-90	7.7	46
112	An untraceable and anonymous password authentication protocol for heterogeneous wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2018 , 104, 133-144	7.9	46
111	A pairing-free and provably secure certificateless signature scheme. <i>Information Sciences</i> , 2018 , 450, 378-391	7.7	46
110	Provably secure dynamic identity-based three-factor password authentication scheme using extended chaotic maps. <i>Nonlinear Dynamics</i> , 2014 , 78, 2261-2276	5	46
109	Secure CLS and CL-AS schemes designed for VANETs. <i>Journal of Supercomputing</i> , 2019 , 75, 3076-3098	2.5	44
108	Anonymous and provably secure certificateless multireceiver encryption without bilinear pairing. <i>Security and Communication Networks</i> , 2015 , 8, 2214-2231	1.9	41
107	A lightweight machine learning-based authentication framework for smart IoT devices. <i>Information Sciences</i> , 2019 , 484, 255-268	7.7	40
106	Design and analysis of a three party password-based authenticated key exchange protocol using extended chaotic maps. <i>Information Sciences</i> , 2015 , 312, 104-130	7.7	40
105	Design of Two-Party Authenticated Key Agreement Protocol Based on ECC and Self-Certified Public Keys. <i>Wireless Personal Communications</i> , 2015 , 82, 2727-2750	1.9	40
104	Efficient authentication protocol for secure multimedia communications in IoT-enabled wireless sensor networks. <i>Multimedia Tools and Applications</i> , 2018 , 77, 18295-18325	2.5	40
103	Anonymity Preserving and Lightweight Multimodal Server Authentication Protocol for Telecare Medical Information System. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1749-1759	7.2	37
102	An improved three-factor authentication scheme for patient monitoring using WSN in remote health-care system. <i>Computer Methods and Programs in Biomedicine</i> , 2019 , 182, 105054	6.9	35
101	A robust authentication and access control protocol for securing wireless healthcare sensor networks. <i>Journal of Information Security and Applications</i> , 2020 , 52, 102502	3.5	34
100	Provably secure and pairing-free certificateless digital signature scheme using elliptic curve cryptography. <i>International Journal of Computer Mathematics</i> , 2013 , 90, 2244-2258	1.2	34
99	A Novel Chaotic Maps-Based User Authentication and Key Agreement Protocol for Multi-server Environments with Provable Security. <i>Wireless Personal Communications</i> , 2016 , 89, 569-597	1.9	34
98	A robust and efficient mutual authentication and key agreement scheme with untraceability for WBANs. <i>Computer Networks</i> , 2019 , 148, 196-213	5.4	31
97	A provably secure biometrics-based authenticated key agreement scheme for multi-server environments. <i>Multimedia Tools and Applications</i> , 2018 , 77, 2359-2389	2.5	30

96	A more secure and privacy-aware anonymous user authentication scheme for distributed mobile cloud computing environments. <i>Security and Communication Networks</i> , 2016 , 9, 4650-4666	1.9	30
95	Design and Analysis of an Enhanced Patient-Server Mutual Authentication Protocol for Telecare Medical Information System. <i>Journal of Medical Systems</i> , 2015 , 39, 137	5.1	28
94	Security analysis and design of an efficient ECC-based two-factor password authentication scheme. <i>Security and Communication Networks</i> , 2016 , 9, 4166-4181	1.9	28
93	A robust ElGamal-based password-authentication protocol using smart card for client-server communication. <i>International Journal of Communication Systems</i> , 2017 , 30, e3242	1.7	26
92	A Robust and Efficient Privacy Aware Handover Authentication Scheme for Wireless Networks. <i>Wireless Personal Communications</i> , 2017 , 93, 311-335	1.9	25
91	A Two-Factor RSA-Based Robust Authentication System for Multiserver Environments. <i>Security and Communication Networks</i> , 2017 , 2017, 1-15	1.9	25
90	An enhanced multi-server authentication protocol using password and smart-card: cryptanalysis and design. <i>Security and Communication Networks</i> , 2016 , 9, 4615-4638	1.9	25
89	Bi-GISIS KE: Modified key exchange protocol with reusable keys for IoT security. <i>Journal of Information Security and Applications</i> , 2021 , 58, 102788	3.5	25
88	A software agent enabled biometric security algorithm for secure file access in consumer storage devices. <i>IEEE Transactions on Consumer Electronics</i> , 2017 , 63, 53-61	4.8	24
87	A Provably Secure Three-Factor Session Initiation Protocol for Multimedia Big Data Communications. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3408-3418	10.7	24
86	An improved pairing-free identity-based authenticated key agreement protocol based on ECC. <i>Procedia Engineering</i> , 2012 , 30, 499-507		24
85	Provably Secure and Anonymous Password Authentication Protocol for Roaming Service in Global Mobility Networks Using Extended Chaotic Maps. <i>Wireless Personal Communications</i> , 2015 , 84, 2013-2034	1.9	22
84	An anonymous and provably secure authentication scheme for mobile user. <i>International Journal of Communication Systems</i> , 2016 , 29, 1529-1544	1.7	22
83	Provably secure and pairing-free identity-based handover authentication protocol for wireless mobile networks. <i>International Journal of Communication Systems</i> , 2016 , 29, 2442-2456	1.7	21
82	A robust mutual authentication protocol for WSN with multiple base-stations. <i>Ad Hoc Networks</i> , 2018 , 75-76, 1-18	4.8	20
81	Lung cancer prediction using higher-order recurrent neural network based on glowworm swarm optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 4373-4386	4.8	20
80	A provably secure identity-based strong designated verifier proxy signature scheme from bilinear pairings. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2014 , 26, 55-67	2.5	19
79	Provably Secure and Lightweight Identity-Based Authenticated Data Sharing Protocol for Cyber-Physical Cloud Environment. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 9, 318-330	3.3	19

78	An efficient group key agreement protocol for secure P2P communication. <i>Security and Communication Networks</i> , 2016 , 9, 3952-3965	1.9	18
77	Dynamic ID-based remote user mutual authentication scheme with smartcard using Elliptic Curve Cryptography. <i>Journal of Electronics</i> , 2014 , 31, 473-488		17
76	Provably Secure Pairing-Free Identity-Based Partially Blind Signature Scheme and Its Application in Online E-cash System. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 3163-3176		17
75	A provably secure and lightweight authentication scheme for Internet of Drones for smart city surveillance. <i>Journal of Systems Architecture</i> , 2021 , 115, 101955	5.5	17
74	Improved ECC-Based Three-Factor Multiserver Authentication Scheme. <i>Security and Communication Networks</i> , 2021 , 2021, 1-14	1.9	17
73	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1947-1956	11.9	16
72	Leakage-Free and Provably Secure Certificateless Signcryption Scheme Using Bilinear Pairings. <i>Computer Journal</i> , 2015 , 58, 2636-2648	1.3	15
71	A Provably Secure and Lightweight Identity-Based Two-Party Authenticated Key Agreement Protocol for IIoT Environments. <i>IEEE Systems Journal</i> , 2021 , 15, 1732-1741	4.3	15
70	An Improved Authentication Scheme for Remote Data Access and Sharing Over Cloud Storage in Cyber-Physical-Social-Systems. <i>IEEE Access</i> , 2020 , 8, 47144-47160	3.5	14
69	An effective key distribution for secure internet pay-TV using access key hierarchies. <i>Security and Communication Networks</i> , 2016 , 9, 5085-5097	1.9	14
68	Security Analysis and Improvement of 'a More Secure Anonymous User Authentication Scheme for the Integrated EPR Information System'. <i>PLoS ONE</i> , 2015 , 10, e0131368	3.7	14
67	An improved ID-based client authentication with key agreement scheme on ECC for mobile client-server environments. <i>Theoretical and Applied Informatics</i> , 2012 , 24,		14
66	An improved three party authenticated key exchange protocol using hash function and elliptic curve cryptography for mobile-commerce environments. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2017 , 29, 311-324	2.5	13
65	AN EFFICIENT AND SECURE STRONG DESIGNATED VERIFIER SIGNATURE SCHEME WITHOUT BILINEAR PAIRINGS. <i>Journal of Applied Mathematics & Informatics</i> , 2013 , 31, 425-441		13
64	A Provably Secure Two-Factor Authentication Scheme for USB Storage Devices. <i>IEEE Transactions on Consumer Electronics</i> , 2020 , 66, 396-405	4.8	13
63	A pairing-free identity-based two-party authenticated key agreement protocol for secure and efficient communication. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2017 , 29, 63-73	2.5	12
62	A pairing-free certificateless digital multisignature scheme using elliptic curve cryptography. <i>International Journal of Computer Mathematics</i> , 2017 , 94, 39-55	1.2	11
61	Secure Data Access and Sharing Scheme for Cloud Storage. <i>Wireless Personal Communications</i> , 2017 , 96, 5295-5314	1.9	11

60	Cryptanalysis of an Improved Smartcard-based Remote Password Authentication Scheme. <i>Information Sciences Letters</i> , 2014 , 3, 35-40	3.2	11
59	Provably secure one-round certificateless authenticated group key agreement protocol for secure communications. <i>Wireless Personal Communications</i> , 2015 , 85, 879-898	1.9	10
58	Cryptanalysis and improvement of a password-based user authentication scheme for the integrated EPR information system. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2015 , 27, 211-221	2.5	10
57	A robust and efficient bilinear pairing based mutual authentication and session key verification over insecure communication. <i>Multimedia Tools and Applications</i> , 2018 , 77, 11041-11066	2.5	10
56	. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	10
55	Design of a Certificateless Designated Server Based Searchable Public Key Encryption Scheme. <i>Communications in Computer and Information Science</i> , 2017 , 3-15	0.3	9
54	Design of a provably secure identity-based digital multi-signature scheme using biometrics and fuzzy extractor. <i>Security and Communication Networks</i> , 2016 , 9, 3229-3238	1.9	9
53	Design of provably secure and efficient certificateless blind signature scheme using bilinear pairing. <i>Security and Communication Networks</i> , 2015 , 8, 4319-4332	1.9	9
52	Certificateless strong designated verifier multisignature scheme using bilinear pairings 2012 ,		9
51	An enhanced and provably secure multi-factor authentication scheme for Internet-of-Multimedia-Things environments. <i>Computers and Electrical Engineering</i> , 2020 , 88, 106888	4.3	9
50	DAWM: Cost-Aware Asset Claim Analysis Approach on Big Data Analytic Computation Model for Cloud Data Centre. <i>Security and Communication Networks</i> , 2021 , 2021, 1-16	1.9	9
49	An anonymous and robust multi-server authentication protocol using multiple registration servers. <i>International Journal of Communication Systems</i> , 2017 , 30, e3457	1.7	8
48	A provably secure and efficient two-party password-based explicit authenticated key exchange protocol resistance to password guessing attacks. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 4897-4913	1.4	8
47	Provably Secure and Pairing-Based Strong Designated Verifier Signature Scheme with Message Recovery. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 1069-1080		8
46	Provably secure certificateless strong designated verifier signature scheme based on elliptic curve bilinear pairings. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2013 , 25, 51-61	2.5	8
45	A novel biometric-based password authentication scheme for client-server environment using ECC and fuzzy extractor. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2018 , 27, 138	0.7	7
44	Certificateless short sequential and broadcast multisignature schemes using elliptic curve bilinear pairings. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2014 , 26, 89-97	2.5	6
43	LAAC: Lightweight Lattice-Based Authentication and Access Control Protocol for E-Health Systems in IoT Environments. <i>IEEE Systems Journal</i> , 2021 , 15, 3620-3627	4.3	6

42	ES3B: Enhanced Security System for Smart Building Using IoT 2018 ,		6
41	Provably secure two-party authenticated key agreement protocol for post-quantum environments. <i>Journal of Information Security and Applications</i> , 2020 , 52, 102468	3.5	5
40	Design of pseudo-random number generator from turbulence padded chaotic map. <i>Nonlinear Dynamics</i> , 2021 , 104, 1627-1643	5	5
39	A Secure Framework for Protecting Clinical Data in Medical IoT Environment 2022 , 203-234		5
38	Anonymous and expeditious mobile user authentication scheme for GLOMONET environments. <i>International Journal of Communication Systems</i> , 2018 , 31, e3461	1.7	5
37	Model based IoT security framework using multiclass adaptive boosting with SMOTE. <i>Security and Privacy</i> , 2020 , 3, e112	1.8	4
36	Design of an enhanced authentication protocol and its verification using AVISPA 2016 ,		4
35	Secure content-based image retrieval using modified Euclidean distance for encrypted features. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021 , 32, e4013	1.9	4
34	MGPV: A novel and efficient scheme for secure data sharing among mobile users in the public cloud. <i>Future Generation Computer Systems</i> , 2019 , 95, 560-569	7.5	3
33	Provably secure biometric-based client-server secure communication over unreliable networks. <i>Journal of Information Security and Applications</i> , 2021 , 58, 102769	3.5	3
32	An IoT-Based Diet Monitoring Healthcare System for Women 2022 , 167-202		3
31	Computational intelligence based secure three-party CBIR scheme for medical data for cloud-assisted healthcare applications. <i>Multimedia Tools and Applications</i> , 1	2.5	3
30	A Reading Oriented Overlapping Text based CAPTCHA 2015 ,		2
29	Provably secure identity-based two-party authenticated key agreement protocol based on CBI-ISIS and Bi-ISIS problems on lattices. <i>Journal of Information Security and Applications</i> , 2020 , 54, 102540	3.5	2
28	Secure and efficient image retrieval through invariant features selection in insecure cloud environments. <i>Neural Computing and Applications</i> , 1	4.8	2
27	The Implementation of AI and AI-Empowered Imaging System to Fight Against COVID-19 Review 2022 , 301-311		2
26	Smart Health Application for Remote Tracking of Ambulatory Patients 2022 , 33-55		2
25	A comparative study and analysis of some pseudorandom number generator algorithms. <i>Security and Privacy</i> , 2018 , 1, e46	1.8	2

24	Blockchain-based medical data sharing schedule guaranteeing security of individual entities. <i>Journal of Ambient Intelligence and Humanized Computing</i> ,1	3.7	2
23	Security analysis on mutual authentication scheme for multimedia medical information systems. <i>Security and Privacy</i> , 2019 , 2, e67	1.8	1
22	A Secure Identity-based Deniable Authentication Protocol for MANETs 2019 ,		1
21	A Robust and Efficient Three-Factor Authentication and Session Key Agreement Mechanism for SIP 2017 ,		1
20	Machine Learning Technologies in IoT EEG-Based Healthcare Prediction 2022 , 1-32		1
19	Cloud-Assisted IoT System for Epidemic Disease Detection and Spread Monitoring 2022 , 87-114		1
18	Reliance on Artificial Intelligence, Machine Learning and Deep Learning in the Era of Industry 4.0 2022 , 281-299		1
17	Secure cognitive radio-based synchronized transmission of 5G signals using massive MIMO-OFDM-ES. <i>International Journal of Communication Systems</i> , 2018 , 31, e3805	1.7	1
16	Deep learning techniques for observing the impact of the global warming from satellite images of water-bodies.. <i>Multimedia Tools and Applications</i> , 2022 , 81, 1-16	2.5	0
15	An object detection-based few-shot learning approach for multimedia quality assessment. <i>Multimedia Systems</i> ,1	2.2	0
14	Provably secure and biometric-based secure access of e-Governance services using mobile devices. <i>Journal of Information Security and Applications</i> , 2021 , 63, 103016	3.5	0
13	An efficient and forward-secure lattice-based searchable encryption scheme for the Big-data era. <i>Computers and Electrical Engineering</i> , 2021 , 96, 107533	4.3	0
12	A comprehensive review on collision-resistant hash functions on lattices. <i>Journal of Information Security and Applications</i> , 2021 , 58, 102782	3.5	0
11	Data-Driven Decision Making in IoT Healthcare SystemsCOVID-19: A Case Study 2022 , 57-70		0
10	Impact of Healthcare 4.0 Technologies for Future Capacity Building to Control Epidemic Diseases 2022 , 115-142		0
9	Security and Privacy of IoT Devices in Healthcare Systems 2022 , 143-165		0
8	IoT in the Current Times and its Prospective Advancements 2022 , 265-280		0
7	Radiological image retrieval technique using multi-resolution texture and shape features. <i>Multimedia Tools and Applications</i> ,1	2.5	0

6	IIRM: Intelligent Information Retrieval Model for Structured Documents by One-Shot Training Using Computer Vision. <i>Arabian Journal for Science and Engineering</i> ,1	2.5	0
5	Trident U-Net: An Encoder Fusion for Improved Biomedical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2021 , 141-154	0.9	
4	PB-3PAKA: Password-based three-party authenticated key agreement protocol for mobile devices in post-quantum environments. <i>Journal of Information Security and Applications</i> , 2021 , 63, 103026	3.5	
3	Touch and Voice-Assisted Multilingual Communication Prototype for ICU Patients Specific to COVID-19 2022 , 71-85		
2	Implementation of Machine Learning Techniques for the Analysis of Transmission Dynamics of COVID-19 2022 , 313-349		
1	Efficient Data Transmission and Remote Monitoring System for IoT Applications 2022 , 235-263		