Muhammad Khurram Khan

List of Publications by Citations

345 papers	**10,862** citations	**57** h-index	**87** g-index
373 ext. papers	**13,426** ext. citations	**4.1** avg, IF	**7.1** L-index

#	Paper	IF	Citations
345	Medical Image Analysis using Convolutional Neural Networks: A Review. *Journal of Medical Systems*, **2018**, 42, 226	5.1	334
344	A survey on privacy protection in blockchain system. *Journal of Network and Computer Applications*, **2019**, 126, 45-58	7.9	302
343	Cryptanalysis and security improvements of 'two-factor user authentication in wireless sensor networks'. *Sensors*, **2010**, 10, 2450-9	3.8	273
342	An enhanced smart card based remote user password authentication scheme. *Journal of Network and Computer Applications*, **2013**, 36, 1365-1371	7.9	198
341	Design of an anonymity-preserving three-factor authenticated key exchange protocol for wireless sensor networks. *Computer Networks*, **2016**, 101, 42-62	5.4	178
340	Cryptanalysis and security enhancement of a more efficient & secure dynamic ID-based remote user authentication scheme *Computer Communications*, **2011**, 34, 305-309	5.1	166
339	b-SPECS+: Batch Verification for Secure Pseudonymous Authentication in VANET. *IEEE Transactions on Information Forensics and Security*, **2013**, 8, 1860-1875	8	163
338	Performance evaluation of score level fusion in multimodal biometric systems. *Pattern Recognition*, **2010**, 43, 1789-1800	7.7	159
337	A robust and anonymous patient monitoring system using wireless medical sensor networks. *Future Generation Computer Systems*, **2018**, 80, 483-495	7.5	154
336	An effective memetic differential evolution algorithm based on chaotic local search. *Information Sciences*, **2011**, 181, 3175-3187	7.7	149
335	Millimeter-Wave Wireless Communications for IoT-Cloud Supported Autonomous Vehicles: Overview, Design, and Challenges **2017**, 55, 62-68		135
334	On cloud security attacks: A taxonomy and intrusion detection and prevention as a service. *Journal of Network and Computer Applications*, **2016**, 74, 98-120	7.9	135
333	A privacy preserving three-factor authentication protocol for e-Health clouds. *Journal of Supercomputing*, **2016**, 72, 3826-3849	2.5	135
332	Chaotic hash-based fingerprint biometric remote user authentication scheme on mobile devices. *Chaos, Solitons and Fractals*, **2008**, 35, 519-524	9.3	129
331	. *IEEE Vehicular Technology Magazine*, **2017**, 12, 55-64	9.9	119
330	A Secure Trust Model Based on Fuzzy Logic in Vehicular Ad Hoc Networks With Fog Computing. *IEEE Access*, **2017**, 5, 15619-15629	3.5	119
329	**2015**, 53, 36-44		118

328	Improving the security of a flexible biometrics remote user authentication scheme. *Computer Standards and Interfaces*, **2007**, 29, 82-85	3.5	114
327	An efficient ECC-based provably secure three-factor user authentication and key agreement protocol for wireless healthcare sensor networks. *Computers and Electrical Engineering*, **2018**, 69, 534-554	4.3	113
326	An efficient certificateless aggregate signature with conditional privacy-preserving for vehicular sensor networks. *Information Sciences*, **2015**, 317, 48-66	7.7	112
325	A user friendly mutual authentication and key agreement scheme for wireless sensor networks using chaotic maps. *Future Generation Computer Systems*, **2016**, 63, 56-75	7.5	112
324	User authentication schemes for wireless sensor networks: A review. *Ad Hoc Networks*, **2015**, 27, 159-194	4.8	108
323	. *IEEE Access*, **2019**, 7, 29763-29787	3.5	104
322	Design of Secure and Lightweight Authentication Protocol for Wearable Devices Environment. *IEEE Journal of Biomedical and Health Informatics*, **2018**, 22, 1310-1322	7.2	103
321	Chaos-based secure satellite imagery cryptosystem. *Computers and Mathematics With Applications*, **2010**, 60, 326-337	2.7	100
320	The Internet of Things: A Review of Enabled Technologies and Future Challenges. *IEEE Access*, **2019**, 7, 7606-7640	3.5	99
319	Seamless application execution in mobile cloud computing: Motivation, taxonomy, and open challenges. *Journal of Network and Computer Applications*, **2015**, 52, 154-172	7.9	97
318	Efficient Privacy-Aware Authentication Scheme for Mobile Cloud Computing Services. *IEEE Systems Journal*, **2018**, 12, 1621-1631	4.3	97
317	Cryptanalysis and improvement on two efficient remote user authentication scheme using smart cards. *Computer Standards and Interfaces*, **2007**, 29, 507-512	3.5	97
316	Applications of blockchain in ensuring the security and privacy of electronic health record systems: A survey. *Computers and Security*, **2020**, 97, 101966	4.9	92
315	An improved remote user authentication scheme with key agreement. *Computers and Electrical Engineering*, **2014**, 40, 1997-2012	4.3	91
314	. *IEEE Communications Surveys and Tutorials*, **2017**, 19, 303-324	37.1	91
313	A new authentication protocol for healthcare applications using wireless medical sensor networks with user anonymity. *Security and Communication Networks*, **2016**, 9, 2643-2655	1.9	88
312	Joint Admission Control and Resource Allocation in Edge Computing for Internet of Things. *IEEE Network*, **2018**, 32, 72-79	11.4	82
311	Lightweight anonymous key distribution scheme for smart grid using elliptic curve cryptography. *IET Communications*, **2016**, 10, 1795-1802	1.3	80

310	Caching in Information-Centric Networking: Strategies, Challenges, and Future Research Directions. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 1443-1474	37.1	79
309	An efficient phishing webpage detector. *Expert Systems With Applications*, **2011**, 38, 12018-12027	7.8	77
308	A Secure Three-Factor User Authentication Protocol With Forward Secrecy for Wireless Medical Sensor Network Systems. *IEEE Systems Journal*, **2020**, 14, 39-50	4.3	74
307	Secure and dependable software defined networks. *Journal of Network and Computer Applications*, **2016**, 61, 199-221	7.9	73
306	Cryptanalysis and improvement of authentication and key agreement protocols for telecare medicine information systems. *Journal of Medical Systems*, **2014**, 38, 135	5.1	71
305	A review on remote data auditing in single cloud server: Taxonomy and open issues. *Journal of Network and Computer Applications*, **2014**, 43, 121-141	7.9	71
304	PoRX: A reputation incentive scheme for blockchain consensus of IIoT. *Future Generation Computer Systems*, **2020**, 102, 140-151	7.5	69
303	A lightweight anonymous authentication scheme for consumer roaming in ubiquitous networks with provable security. *International Journal of Communication Systems*, **2017**, 30, e3019	1.7	68
302	An enhanced privacy preserving remote user authentication scheme with provable security. *Security and Communication Networks*, **2015**, 8, 3782-3795	1.9	66
301	Wireless Sensor Networks in oil and gas industry: Recent advances, taxonomy, requirements, and open challenges. *Journal of Network and Computer Applications*, **2018**, 113, 87-97	7.9	64
300	Deep features-based speech emotion recognition for smart affective services. *Multimedia Tools and Applications*, **2019**, 78, 5571-5589	2.5	63
299	Cryptanalysis and improvement of Yan et al.'s biometric-based authentication scheme for telecare medicine information systems. *Journal of Medical Systems*, **2014**, 38, 24	5.1	62
298	An Efficient and Practical Smart Card Based Anonymity Preserving User Authentication Scheme for TMIS using Elliptic Curve Cryptography. *Journal of Medical Systems*, **2015**, 39, 180	5.1	61
297	A Lightweight Authenticated Encryption Scheme Based on Chaotic SCML for Railway Cloud Service. *IEEE Access*, **2018**, 6, 711-722	3.5	61
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295	Cryptanalysis and improvement of 'robust smart-card-based remote user password authentication scheme'*International Journal of Communication Systems*, **2014**, 27, 3939-3955	1.7	61
294	A hybrid forecasting model for enrollments based on aggregated fuzzy time series and particle swarm optimization. *Expert Systems With Applications*, **2011**, 38, 8014-8023	7.8	60
293	A novel and provably secure authentication and key agreement scheme with user anonymity for global mobility networks. *Security and Communication Networks*, **2016**, 9, 3527-3542	1.9	59

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287	An improved smart card based authentication scheme for session initiation protocol. *Peer-to-Peer Networking and Applications*, **2017**, 10, 92-105	3.1	53
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265	Man-At-The-End attacks: Analysis, taxonomy, human aspects, motivation and future directions. *Journal of Network and Computer Applications*, **2015**, 48, 44-57	7.9	41
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257	Questioning Key Compromise Attack on Ostad-Sharif et al. Authentication and Session key Generation Scheme for Healthcare Applications. *IEEE Access*, **2019**, 7, 39717-39720	3.5	39

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210	Authentication Protocols for Implantable Medical Devices: Taxonomy, Analysis and Future Directions. *IEEE Consumer Electronics Magazine*, **2018**, 7, 57-65	3.2	23
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