Arslan Munir

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.

48 papers	584 citations	11 h-index	22 g-index
60 ext. papers	823 ext. citations	2.8 avg, IF	5.18 L-index

#	Paper	IF	Citations
48	A Novel Chaotic Permutation-Substitution Image Encryption Scheme Based on Logistic Map and Random Substitution. *IEEE Access*, **2022**, 10, 12966-12982	3.5	4
47	Situational Awareness: Techniques, Challenges, and Prospects. *AI*, **2022**, 3, 55-77	3.6	3
46	Sparse convolutional neural network acceleration with lossless input feature map compression for resource-constrained systems. *IET Computers and Digital Techniques*, **2022**, 16, 29	0.9	1
45	Evolution towards Smart and Software-Defined Internet of Things. *AI*, **2022**, 3, 100-123	3.6	1
44	A Sequence Mining-Based Novel Architecture for Detecting Fraudulent Transactions in Healthcare Systems. *IEEE Access*, **2022**, 10, 48447-48463	3.5	2
43	Arithmetic Coding-Based 5-Bit Weight Encoding and Hardware Decoder for CNN Inference in Edge Devices. *IEEE Access*, **2021**, 9, 166736-166749	3.5	
42	Design and Validation of Low-Power Secure and Dependable Elliptic Curve Cryptosystem. *Journal of Low Power Electronics and Applications*, **2021**, 11, 43	1.7	
41	Sparse-PE: A Performance-Efficient Processing Engine Core for Sparse Convolutional Neural Networks. *IEEE Access*, **2021**, 9, 151458-151475	3.5	0
40	Artificial Intelligence and Data Fusion at the Edge. *IEEE Aerospace and Electronic Systems Magazine*, **2021**, 36, 62-78	2.4	10
39	Adversarial Reinforcement Learning Framework for Benchmarking Collision Avoidance Mechanisms in Autonomous Vehicles. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 236-241	2.6	4
38	Design and Evaluation of a Reconfigurable ECU Architecture for Secure and Dependable Automotive CPS. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 18, 235-252	3.9	11
37	Security and Privacy Issues in Intelligent Transportation Systems: Classification and Challenges. *IEEE Intelligent Transportation Systems Magazine*, **2021**, 13, 181-196	2.6	38
36	FogSurv: A Fog-Assisted Architecture for Urban Surveillance Using Artificial Intelligence and Data Fusion. *IEEE Access*, **2021**, 9, 111938-111959	3.5	3
35	PUF-RAKE: A PUF-based Robust and Lightweight Authentication and Key Establishment Protocol. *IEEE Transactions on Dependable and Secure Computing*, **2021**, 1-1	3.9	10
34	Architecture, Classification, and Applications of Contemporary Unmanned Aerial Vehicles. *IEEE Consumer Electronics Magazine*, **2021**, 1-1	3.2	8
33	A prototype of an energy-efficient MAGLEV train: A step towards cleaner train transport. *Cleaner Engineering and Technology*, **2021**, 4, 100217	2.7	7
32	AI-Driven Salient Soccer Events Recognition Framework for Next Generation IoT-Enabled Environments. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0

31	A QoS-Aware Machine Learning-Based Framework for AMI Applications in Smart Grids. *Energies*, **2021**, 14, 8171	3.1	1
30	PUF-IPA: A PUF-based Identity Preserving Protocol for Internet of Things Authentication **2020**,		10
29	NeuroMAX **2020**,		3
28	A Review of Cyber Security Issues in Hospitality Industry. *Advances in Intelligent Systems and Computing*, **2020**, 482-493	0.4	0
27	An Integrated Safe and Secure Approach for Authentication and Secret Key Establishment in Automotive Cyber-Physical Systems. *Advances in Intelligent Systems and Computing*, **2020**, 545-559	0.4	3
26	CPU-Accelerator Co-Scheduling for CNN Acceleration at the Edge. *IEEE Access*, **2020**, 8, 211422-211433	3.5	3
25	Design and Analysis of Secure and Dependable Automotive CPS: A Steer-by-Wire Case Study. *IEEE Transactions on Dependable and Secure Computing*, **2020**, 17, 813-827	3.9	13
24	Technology in the Hospitality Industry: Prospects and Challenges. *IEEE Consumer Electronics Magazine*, **2019**, 8, 60-65	3.2	35
23	PUF-RLA: A PUF-Based Reliable and Lightweight Authentication Protocol Employing Binary String Shuffling **2019**,		2
22	A Framework for Distributed Deep Neural Network Training with Heterogeneous Computing Platforms **2019**,		2
21	Security and Privacy Issues in Contemporary Consumer Electronics [Energy and Security]. *IEEE Consumer Electronics Magazine*, **2019**, 8, 95-99	3.2	9
20	E-Marketing via Augmented Reality: A Case Study in the Tourism and Hospitality Industry. *IEEE Potentials*, **2019**, 38, 43-47	1	20
19	A Design Space Exploration Methodology for Parameter Optimization in Multicore Processors. *IEEE Transactions on Parallel and Distributed Systems*, **2018**, 29, 2-15	3.7	5
18	Selecting Microarchitecture Configuration of Processors for Internet of Things. *IEEE Transactions on Emerging Topics in Computing*, **2018**, 1-1	4.1	2
17	A Two-Tiered Heterogeneous and Reconfigurable Application Processor for Future Internet of Things **2018**,		3
16	A Fog-Assisted Architecture to Support an Evolving Hospitality Industry in Smart Cities **2018**,		2
15	IFCIoT: Integrated Fog Cloud IoT: A novel architectural paradigm for the future Internet of Things.. *IEEE Consumer Electronics Magazine*, **2017**, 6, 74-82	3.2	142
14	Safety Assessment and Design of Dependable Cybercars: For today and the future.. *IEEE Consumer Electronics Magazine*, **2017**, 6, 69-77	3.2	14

13	Vulnerability of Deep Reinforcement Learning to Policy Induction Attacks. *Lecture Notes in Computer Science*, **2017**, 262-275	0.9	59
12	An efficient computation offloading architecture for the Internet of Things (IoT) devices **2017**,		11
11	Design and evaluation of a novel ECU architecture for secure and dependable automotive CPS **2017** ,		5
10	Design and comparative evaluation of GPGPU- and FPGA-based MPSoC ECU architectures for secure, dependable, and real-time automotive CPS **2017**,		10
9	A Neural Network-Based Appliance Scheduling Methodology for Smart Homes and Buildings with Multiple Power Sources **2016**,		3
8	A Computation Offloading Scheme Leveraging Parameter Tuning for Real-Time IoT Devices **2016**,		8
7	Design and performance analysis of secure and dependable cybercars: A steer-by-wire case study **2016**,		6
6	Multi-Core Embedded Wireless Sensor Networks: Architecture and Applications. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 1553-1562	3.7	33
5	A lightweight dynamic optimization methodology and application metrics estimation model for wireless sensor networks. *Sustainable Computing: Informatics and Systems*, **2013**, 3, 94-108	3	2
4	An MDP-Based Dynamic Optimization Methodology for Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 616-625	3.7	23
3	Online algorithms for wireless sensor networks dynamic optimization **2012**,		8
2	Markov Modeling of Fault-Tolerant Wireless Sensor Networks **2011**,		18
1	SIP-Based IMS Signaling Analysis for WiMax-3G Interworking Architectures. *IEEE Transactions on Mobile Computing*, **2010**, 9, 733-750	4.6	23