

# Riyaz Ahmed

## List of Publications by Year in descending order

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36  
papers

204  
citations

1683354

5  
h-index

1473754

9  
g-index

38  
all docs

38  
docs citations

38  
times ranked

105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Techniques for Obstacle Detection and Avoidance in Driverless Cars. , 2020, , .		27
2	A Novel Multiband Microstrip Patch Antenna for 5G Communications. Procedia Computer Science, 2020, 171, 2080-2086.	1.2	22
3	Low Latency Deep Learning Inference Model for Distributed Intelligent IoT Edge Clusters. IEEE Access, 2021, 9, 160607-160621.	2.6	18
4	Microstrip Patch Antenna Design for Fixed Mobile and Satellite 5G Communications. Procedia Computer Science, 2020, 171, 2073-2079.	1.2	13
5	Design and Performance Analysis of Multiband Microstrip Antennas for IoT applications via Satellite Communication. , 2018, , .		8
6	Investigating the Impact of Deep Cryogenic Treatment on Surface Roughness and Cutting Force in Turning C45 Steel. Materials Today: Proceedings, 2020, 24, 1190-1198.	0.9	8
7	Architecture for IOT based geriatric care fall detection and prevention. , 2017, , .		7
8	Cognitive architecture based smart grids for smart cities. , 2017, , .		7
9	Design and Performance Analysis of Dual-band Microstrip patch antennas for Smart Apparel. , 2018, , .		7
10	Design of Dual-band Microstrip antenna for WiMax and X band applications. , 2018, , .		7
11	Design of an U shaped slotted patch antenna for RFID Vehicle Identification. , 2018, , .		6
12	Microstrip Patch Antenna Design for Space Applications. , 2020, , .		6
13	Optimal Hybrid Precoding for Millimeter wave Massive MIMO Systems. Procedia Computer Science, 2020, 171, 810-819.	1.2	6
14	A review on methods, issues and challenges in neuromorphic engineering. , 2015, , .		5
15	Cognitive Architecture Based Smart Homes for Smart Cities. , 2018, , .		5
16	Conforming test of Blockchain for 5G Enabled IoT. , 2019, , .		5
17	Investigation of machinability characteristics on C45 steel with cryogenically treated M2 HSS tool using statistical technique. International Journal for Simulation and Multidisciplinary Design Optimization, 2019, 10, A5.	0.6	5
18	Spectral Efficient Beamforming for mmWave MISO Systems using Deep Learning Techniques. Arabian Journal for Science and Engineering, 2021, 46, 9783-9795.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Microstrip Patch Slot Antenna Design for WiMAX and WLAN Applications. , 2019, , .		4
20	Memristor based Relaxation Oscillator for Biomedical applications. , 2019, , .		4
21	Design and implementation of DA FIR filter for bio-inspired computing architecture. International Journal of Electrical and Computer Engineering, 2021, 11, 1709.	0.5	4
22	Artificial Neural Network based Modelling and Simulation to Identify new candidates for hosting Skyrmions. Procedia Computer Science, 2020, 171, 1571-1580.	1.2	3
23	A Review on Advent of IoT, Cloud, and Machine Learning in Agriculture. EAI/Springer Innovations in Communication and Computing, 2021, , 595-603.	0.9	3
24	Power saving and optimal hybrid precoding in millimeter wave massive MIMO systems for 5G. Telkomnika (Telecommunication Computing Electronics and Control), 2020, 18, 2842.	0.6	3
25	Implementation of STDP based learning rule in neuromorphic CMOS circuits. , 2017, , .		2
26	Multiband Circularly Polarized Microstrip Reader Antenna for RFID Applications. , 2018, , .		2
27	Application Potential of Fuzzy and Regression in Optimization of MRR and Surface Roughness during Machining of C45 Steel. Periodica Polytechnica, Mechanical Engineering, 2019, 63, 132-139.	0.8	2
28	Memristor based Chaotic Circuit Design for Secure Communication. , 2019, , .		2
29	Design and Performance Analysis of Artificial Neural Network Based Artificial Synapse for Bio-inspired Computing. Advances in Intelligent Systems and Computing, 2020, , 1294-1302.	0.5	2
30	FPGA Implementation of Bio-Inspired Computing Architecture Based on Simple Neuron Model. , 2020, , .		2
31	Advent of memristor based synapses on neuromorphic engineering. , 2017, , .		1
32	Computer Aided Numerical Simulations of Current Induced Domain Wall in a Nanowire. Procedia Computer Science, 2020, 171, 969-978.	1.2	0
33	Design of Area Optimized Arithmetic and Logical Unit for Microcontroller. , 2020, , .		0
34	Design and Implementation of Reconfigurable Neuro-Inspired Computing Model on a FPGA. Advances in Science, Technology and Engineering Systems, 2020, 5, 332-341.	0.4	0
35	Stabilized domain-wall pinning in a constricted nanowire. Materiali in Tehnologije, 2020, 54, 163-166.	0.3	0
36	Optimal state estimation techniques for accurate measurements in internet of things enabled microgrids using deep neural networks. International Journal of Electrical and Computer Engineering, 2022, 12, 4288.	0.5	0