Rashid Amin

List of Publications by Year
in descending order

65	1,633	279798	315739
papers	citations	23	38
		h-index	g-index

67	67	67	1576
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	39.4	236
2	Graphene based fiber optic surface plasmon resonance for bio-chemical sensor applications. Sensors and Actuators B: Chemical, 2013, 187, 426-433.	7.8	123
3	Smart home security: challenges, issues and solutions at different IoT layers. Journal of Supercomputing, 2021, 77, 14053-14089.	3.6	79
4	A Review of Machine Learning Algorithms for Cloud Computing Security. Electronics (Switzerland), 2020, 9, 1379.	3.1	72
5	Adaptive Thermal-Aware Routing Protocol for Wireless Body Area Network. Electronics (Switzerland), 2019, 8, 47.	3.1	68
6	A Survey on Machine Learning Techniques for Routing Optimization in SDN. IEEE Access, 2021, 9, 104582-104611.	4.2	49
7	Recent Advances in Biopolymeric Composite Materials for Tissue Engineering and Regenerative Medicines: A Review. Molecules, 2021, 26, 619.	3.8	48
8	Development and <i>in vitro</i> evaluation of Î²-carrageenan based polymeric hybrid nanocomposite scaffolds for bone tissue engineering. RSC Advances, 2020, 10, 40529-40542.	3.6	47
9	Synthesis of Silver-Coated Bioactive Nanocomposite Scaffolds Based on Grafted Beta-Glucan/Hydroxyapatite via Freeze-Drying Method: Anti-Microbial and Biocompatibility Evaluation for Bone Tissue Engineering. Materials, 2020, 13, 971.	2.9	46
10	Synthesis and Characterization of Silver-Coated Polymeric Scaffolds for Bone Tissue Engineering: Antibacterial and In Vitro Evaluation of Cytotoxicity and Biocompatibility. ACS Omega, 2021, 6, 4335-4346.	3.5	44
11	Antibacterial and Hemocompatible pH-Responsive Hydrogel for Skin Wound Healing Application: In Vitro Drug Release. Polymers, 2021, 13, 3703.	4.5	44
12	Machine Learning Techniques for Spam Detection in Email and IoT Platforms: Analysis and Research Challenges. Security and Communication Networks, 2022, 2022, 1-19.	1.5	42
13	Electrophoretic deposition of PVA coated hydroxyapatite on 316L stainless steel. Current Applied Physics, 2012, 12, 755-759.	2.4	38
14	Waste to health: A review of waste derived materials for tissue engineering. Journal of Cleaner Production, 2021, 290, 125792.	9.3	38
15	Development of Biopolymeric Hybrid Scaffold-Based on AAc/GO/nHAp/TiO2 Nanocomposite for Bone Tissue Engineering: In-Vitro Analysis. Nanomaterials, 2021, 11, 1319.	4.1	37
16	Machine Learning Algorithms for Depression: Diagnosis, Insights, and Research Directions. Electronics (Switzerland), 2022, 11, 1111.	3.1	36
17	A two-dimensional DNA lattice implanted polymer solar cell. Nanotechnology, 2011, 22, 375202.	2.6	35
18	Development of Polymeric Nanocomposite (Xyloglucan-co-Methacrylic Acid/Hydroxyapatite/SiO2) Scaffold for Bone Tissue Engineering Applicationsâ€"In-Vitro Antibacterial, Cytotoxicity and Cell Culture Evaluation. Polymers, 2020, 12, 1238.	4.5	33

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19	A Novel and Effective Brain Tumor Classification Model Using Deep Feature Fusion and Famous Machine Learning Classifiers. Computational Intelligence and Neuroscience, 2022, 2022, 1-15.	1.7	31
20	NANOBIOTECHNOLOGY: AN INTERFACE BETWEEN NANOTECHNOLOGY AND BIOTECHNOLOGY. Nano, 2011, 06, 101-111.	1.0	30
21	Healthcare Techniques Through Deep Learning: Issues, Challenges and Opportunities. IEEE Access, 2021, 9, 98523-98541.	4.2	27
22	The label free DNA sensor using a silicon nanowire array. Journal of Biotechnology, 2012, 160, 91-96.	3.8	25
23	Quantitative analysis of molecular-level DNA crystal growth on a 2D surface. Scientific Reports, 2013, 3, 2115.	3.3	24
24	A novel mechanism to handle address spoofing attacks in SDN based IoT. Cluster Computing, 2021, 24, 3011-3026.	5.0	24
25	Size–Controllable DNA Rings with Copper–Ion Modification. Small, 2012, 8, 374-377.	10.0	22
26	Cloud-based email phishing attack using machine and deep learning algorithm. Complex & Intelligent Systems, 2023, 9, 3043-3070.	6.5	22
27	ARTIFICIALLY DESIGNED DNA NANOSTRUCTURES. Nano, 2009, 04, 119-139.	1.0	20
28	DNA thin film coated optical fiber biosensor. Current Applied Physics, 2012, 12, 841-845.	2.4	18
29	Auto-Configuration of ACL Policy in Case of Topology Change in Hybrid SDN. IEEE Access, 2016, 4, 9437-9450.	4.2	18
30	Growth and restoration of a T-tile-based 1D DNA nanotrack. Chemical Communications, 2011, 47, 11053.	4.1	17
31	Enforcing Optimal ACL Policies Using K-Partite Graph in Hybrid SDN. Electronics (Switzerland), 2019, 8, 604.	3.1	16
32	Graphene-Based Waveguides: Novel Method for Detecting Biological Activity. Applied Biochemistry and Biotechnology, 2012, 167, 1069-1075.	2.9	15
33	Hybrid algorithms for brain tumor segmentation, classification and feature extraction. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2763-2784.	4.9	15
34	Lightweight Challenge-Response Authentication in SDN-Based UAVs Using Elliptic Curve Cryptography. Electronics (Switzerland), 2022, 11, 1026.	3.1	14
35	A machine learning approach for non-invasive fall detection using Kinect. Multimedia Tools and Applications, 2022, 81, 15491-15519.	3.9	13
36	Malicious Cluster Head Detection Mechanism in Wireless Sensor Networks. Wireless Personal Communications, 2019, 108, 2117-2135.	2.7	12

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37	A Robust Image Encrypted Watermarking Technique for Neurodegenerative Disorder Diagnosis and Its Applications. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-14.	1.3	12
38	Classification of COVID-19 and Influenza Patients Using Deep Learning. Contrast Media and Molecular Imaging, 2022, 2022, 1-11.	0.8	12
39	Intrinsic DNA curvature of double-crossover tiles. Nanotechnology, 2011, 22, 245706.	2.6	10
40	Evaluation of Multi-Layered Graphene Surface Plasmon Resonance-Based Transmission Type Fiber Optic Sensor. Journal of Nanoscience and Nanotechnology, 2012, 12, 5381-5385.	0.9	9
41	Stress-Relieving Video Game and Its Effects: A POMS Case Study. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	9
42	Artificial DNA Lattice Fabrication by Noncomplementarity and Geometrical Incompatibility. ACS Nano, 2011, 5, 5175-5179.	14.6	8
43	Fabrication of zigzag and folded DNA nanostructures by an angle control scheme. Soft Matter, 2012, 8, 44-47.	2.7	8
44	Phenolic acid content, antioxidant properties, and antibacterial potential of flowers and fruits from selected Pakistani indigenous medicinal plants. ScienceAsia, 2013, 39, 340.	0.5	8
45	Analyzing performance of ad hoc network mobility models in a peer-to-peer network application over mobile ad hoc network. , 2010, , .		6
46	The restoration of DNA structures by the dry–wet method. Soft Matter, 2012, 8, 619-622.	2.7	6
47	Coverage percentage and raman measurement of cross-tile and scaffold cross-tile based DNA nanostructures. Colloids and Surfaces B: Biointerfaces, 2015, 135, 677-681.	5.0	6
48	Mitigating Address Spoofing Attacks in Hybrid SDN. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.7	6
49	An Efficient Mechanism for Product Data Extraction from E-Commerce Websites. Computers, Materials and Continua, 2020, 65, 2639-2663.	1.9	6
50	An Architecture of IoT-Aware Healthcare Smart System by Leveraging Machine Learning. International Arab Journal of Information Technology, 2022, 19, .	0.7	6
51	Cloud computing platform: Performance analysis of prominent cryptographic algorithms. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	5
52	Digital Forensics for Malware Classification: An Approach for Binary Code to Pixel Vector Transition. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	5
53	Photoresistivity and optical switching of graphene with DNA lattices. Current Applied Physics, 2012, 12, 623-627.	2.4	4
54	Permeability of an In Vitro Model of Blood Brain Barrier (BBB). IFMBE Proceedings, 2009, , 81-84.	0.3	4

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55	Edge-Computing with Graph Computation: A Novel Mechanism to Handle Network Intrusion and Address Spooﬁng in SDN. Computers, Materials and Continua, 2020, 65, 1869-1890.	1.9	4
56	A Novel Method for Large Area Graphene Transfer on the Polymer Optical Fiber. Journal of Nanoscience and Nanotechnology, 2012, 12, 3918-3921.	0.9	3
57	Deep Learning based Intelligent Surveillance System. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	3
58	Spectroscopic properties of artificial DNA nanostructures. Current Applied Physics, 2011, 11, 1233-1236.	2.4	2
59	A Multi-Stakeholder Involved Effective E-Waste Management in Manufacturing Recycled Electronic Products Using Game Theory. Arabian Journal for Science and Engineering, 0, , 1.	3.0	2
60	Reliability Aware Multiple Path Installation in Software-Defined Networking. Electronics (Switzerland), 2021, 10, 2820.	3.1	2
61	Network Policies in Software Defined Internet of Everything. Internet of Things, 2022, , 79-96.	1.7	1
62	*IN VITRO* THROMBIN DOSE RESPONSE ON MADIN DARBY CANINE KIDNEY CELL MONOLAYER. Nano, 2011, 06, 333-336.	1.0	0
63	NMR Studies of Artificial Double-Crossover DNA Tiles. Journal of Nanoscience and Nanotechnology, 2012, 12, 2300-2310.	0.9	0
64	Growth and Detachment of 5 Helix DNA Ribbons. Journal of Nanoscience and Nanotechnology, 2016, 16, 4126-4130.	0.9	0
65	Simultaneous Stream Transmission Methods for Free Viewpoint TV: A Comparative Study. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	0