

Raad Raad

List of Publications by Year in descending order

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84
papers

1,555
citations

430874

18
h-index

345221

36
g-index

84
all docs

84
docs citations

84
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey and Tutorial of RFID Anti-Collision Protocols. IEEE Communications Surveys and Tutorials, 2010, 12, 400-421.	39.4	323
2	Wearable Electronic Textiles from Nanostructured Piezoelectric Fibers. Advanced Materials Technologies, 2020, 5, 1900900.	5.8	107
3	Piezofibers to smart textiles: a review on recent advances and future outlook for wearable technology. Journal of Materials Chemistry A, 2020, 8, 9496-9522.	10.3	102
4	A Survey and Study of Planar Antennas for Pico-Satellites. IEEE Access, 2015, 3, 2590-2612.	4.2	91
5	Antenna Designs for CubeSats: A Review. IEEE Access, 2021, 9, 45289-45324.	4.2	75
6	Bending Analysis of Polymer-Based Flexible Antennas for Wearable, General IoT Applications: A Review. Polymers, 2021, 13, 357.	4.5	54
7	On the energy consumption of Pure and Slotted Aloha based RFID anti-collision protocols. Computer Communications, 2009, 32, 961-973.	5.1	48
8	E-Shaped H-Slotted Dual Band mmWave Antenna for 5G Technology. Electronics (Switzerland), 2021, 10, 1019.	3.1	43
9	Securing DSR against wormhole attacks in multirate ad hoc networks. Journal of Network and Computer Applications, 2013, 36, 582-592.	9.1	39
10	Novel DTN Mobility-Driven Routing in Autonomous Drone Logistics Networks. IEEE Access, 2020, 8, 13661-13673.	4.2	38
11	Implementation of an IoT Based Radar Sensor Network for Wastewater Management. Sensors, 2019, 19, 254.	3.8	32
12	On the Suitability of Framed Slotted Aloha based RFID Anti-collision Protocols for Use in RFID-Enhanced WSNs. , 2007, , .		30
13	Smart Fabrics and Networked Clothing: Recent developments in CNT-based fibers and their continual refinement. IEEE Consumer Electronics Magazine, 2016, 5, 105-111.	2.3	27
14	Electrically Conducting Hydrogel Graphene Nanocomposite Biofibers for Biomedical Applications. Frontiers in Chemistry, 2020, 8, 88.	3.6	26
15	DTN and Non-DTN Routing Protocols for Inter-CubeSat Communications: A comprehensive survey. Electronics (Switzerland), 2020, 9, 482.	3.1	23
16	A Sub-6 GHz MIMO Antenna Array for 5G Wireless Terminals. Electronics (Switzerland), 2021, 10, 3062.	3.1	23
17	A Survey on CubeSat Missions and Their Antenna Designs. Electronics (Switzerland), 2022, 11, 2021.	3.1	23
18	A high gain S-band slot antenna with MSS for CubeSat. Annales Des Telecommunications/Annals of Telecommunications, 2019, 74, 223-237.	2.5	22

#	ARTICLE	IF	CITATIONS
19	S-band shorted patch antenna for inter pico satellite communications. , 2014, , .		21
20	A Novel Data Forwarding Strategy for a Drone Delay Tolerant Network with Range Extension. Electronics (Switzerland), 2019, 8, 659.	3.1	21
21	Multi-Hop Relay Based Free Space Optical Communication Link for Delivering Medical Services in Remote Areas. IEEE Photonics Journal, 2020, 12, 1-21.	2.0	18
22	Improving Throughput of 5G Cellular Networks via 3D Placement Optimization of Logistics Drones. IEEE Transactions on Vehicular Technology, 2021, 70, 1448-1460.	6.3	18
23	S - band Planar Antennas for a CubeSat. International Journal on Electrical Engineering and Informatics, 2015, 7, 559-568.	0.5	18
24	Software-Defined Radios for CubeSat Applications: A Brief Review and Methodology. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 10-16.	2.7	17
25	Two-Pair Slots Inserted CP Patch Antenna for Wide Axial Ratio Beamwidth. IEEE Access, 2020, 8, 223316-223324.	4.2	16
26	Dynamic handoff scheme in differentiated QoS wireless multimedia networks. Computer Communications, 2004, 27, 1001-1011.	5.1	15
27	Mobile ad-hoc network key management with certificateless cryptography. , 2008, , .		15
28	A Heuristic Distributed Scheme to Detect Falsification of Mobility Patterns in Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 719-727.	8.7	13
29	A novel destination-based routing protocol (DBRP) in DTNs. , 2012, , .		12
30	A 2.4 GHz High Data Rate radio for pico-satellites. , 2014, , .		12
31	Multirate DelPHI to secure multirate ad hoc networks against wormhole attacks. Journal of Information Security and Applications, 2018, 39, 31-40.	2.5	12
32	An octagonal-shaped conductive HC12 & LIBERATOR-40 thread embroidered chipless RFID for general IoT applications. Sensors and Actuators A: Physical, 2021, 318, 112485.	4.1	12
33	A Wideband Metal-Only Patch Antenna for CubeSat. Electronics (Switzerland), 2021, 10, 50.	3.1	12
34	A New Spreading Matrix for Block Spread OFDM. , 2006, , .		11
35	A low profile high gain CPW-fed slot antenna with a cavity backed reflector for CubeSats. , 2017, , .		11
36	Transceiver Design for Full-Duplex UAV Based Zero-Padded OFDM System With Physical Layer Security. IEEE Access, 2021, 9, 59432-59445.	4.2	11

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37	Dual-Band Folded-End Dipole Antenna for Plastic CubeSats. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 172-178.	2.7	10
38	The Impact of Bending on Radiation Characteristics of Polymer-Based Flexible Antennas for General IoT Applications. Applied Sciences (Switzerland), 2021, 11, 9044.	2.5	10
39	An analytical model of network connectivity in Vehicular Ad Hoc Networks using spatial point processes. , 2014, , .		9
40	A wideband F-shaped patch antenna for S-band CubeSats communications. , 2016, , .		8
41	Achieving maximum utilization of peer's upload capacity in p2p networks using SVC. Peer-to-Peer Networking and Applications, 2017, 10, 45-65.	3.9	8
42	A novel Energy-Efficient Video Streaming method for decentralized Mobile Ad-hoc Networks. Pervasive and Mobile Computing, 2017, 40, 301-323.	3.3	7
43	Printed Yagi-Uda antenna array on CubeSat. , 2017, , .		7
44	Breathing and Heartrate Monitoring System using IR-UWB Radar. , 2019, , .		7
45	A Printed Yagi Antenna for CubeSat with Multi-Frequency Tilt Operation. Electronics (Switzerland), 2020, 9, 986.	3.1	7
46	Efficient utilization of peer's upload capacity in P2P networks using SVC. , 2014, , .		6
47	QoE Based P2P Scalable Video Streaming over Mobile Ad Hoc Networks. , 2015, , .		6
48	Dual Band Slot Antenna with F-Shaped Slits for C-band and X-band Applications. , 2019, , .		6
49	Novel Bow-Tie Chip-less RFID Tag for Wearable Applications. , 2019, , .		6
50	Delay aware joint routing and scheduling for multi-Tx-Rx Wireless Mesh Networks. , 2014, , .		5
51	A Novel Distributed Max-Weight Link Scheduler for Multi-Transmit/Receive Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 9345-9357.	6.3	5
52	Energy efficient technique for P2P multisource video streaming in mobile ad hoc networks to improve QoE. Peer-to-Peer Networking and Applications, 2020, 13, 219-242.	3.9	5
53	Design of Wearable Textile Patch Antenna Using C-Shape Etching Slot for Wi-MAX and 5G Lower Band Applications. , 2021, , .		4
54	Transient Response & Electromagnetic Behaviour of Flexible Bow-Tie Shaped Chip-less RFID Tag for General IoT Applications. Advances in Science, Technology and Engineering Systems, 2020, 5, 757-764.	0.5	4

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55	A Silver-Coated Conductive Fibre HC12 Sewed Chipless RFID Tag on Cotton Fabric for Wearable Applications. , 2020, , .		4
56	New Higher Order Rotation Spreading Matrix for BSOFDM. , 2007, , .		3
57	A Study of Different Angles for Higher Order Rotation Spreading Matrix for BSOFDM in UWB Channels. , 2007, , .		3
58	Adaptive and robust feature selection for low bitrate mobile augmented reality applications. , 2014, , .		3
59	Dipole antenna array cluster for CubeSats. , 2016, , .		3
60	Wastewater Management: An IoT Approach. , 2018, , .		3
61	Feature selection for low bit rate mobile augmented reality applications. Signal Processing: Image Communication, 2015, 36, 115-126.	3.2	2
62	Novel joint routing and scheduling algorithms for minimizing end-to-end delays in multi Tx-Rx wireless mesh networks. Computer Communications, 2015, 72, 63-77.	5.1	2
63	S-band Steerable Yagi Antenna for CubeSats. , 2019, , .		2
64	IoT Remote Control of Plug-in Electric Vehicle Charging Loads for Smart Energy Management of Virtual Power Plants. , 2020, , .		2
65	UHF-RFID Reader using a Metasurface CPW-Fed Slot Antenna. , 2020, , .		2
66	High-Gain Circular Polarized Microstrip Patch Array for X-band CubeSat Applications. , 2021, , .		2
67	A Wideband Compact Patch Antenna for Ka-band and CubeSat Applications. , 2021, , .		2
68	Neuro-Fuzzy Admission Control in Cellular Networks. , 2006, , .		1
69	The joint effect of image blur and illumination distortions for Mobile Visual Search of print media. , 2013, , .		1
70	A novel queue length aware distributed link scheduler for multi-transmit receive Wireless Mesh Networks. , 2014, , .		1
71	Scheduling links with air-time in multi transmit/receive wireless mesh networks. Wireless Networks, 2016, 22, 1999-2012.	3.0	1
72	High Gain Slot Antenna with Reflector for 2U CubeSat. , 2018, , .		1

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73	Advances in Wearable Sensors: Signalling the Provenance of Garments Using Radio Frequency Watermarks. <i>Sensors</i> , 2020, 20, 6661.	3.8	1
74	Analytical Framework of CP-Free Multiuser OFDM System for Coordinated Multi-Point at mmWave. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7605.	2.5	1
75	A Fibre Embroidered Chipless RFID Tag on Cotton Fabrics for Wearable Applications. , 2020, , .		1
76	The Impact of 5G Drones on the Performance of a DTN Destination Based Routing Protocol. , 2020, , .		1
77	Applied methods to detect and prevent vulnerabilities within PLC alarms code. <i>SN Applied Sciences</i> , 2022, 4, 1.	2.9	1
78	Developing Creative Digital Communication, Learning Resources and Evaluation Skills with YouTube and Self and Peer-Assessment. , 2021, , .		1
79	Modified Vector Base Amplitude Panning implementation on smart devices. , 2013, , .		0
80	Crowd flow analysis using catastrophe theory. , 2015, , .		0
81	A wideband C-shaped patch antenna for LibyaSat-1. , 2017, , .		0
82	Gyre Precoding and T-Transformation-Based GFDM System for UAV-Aided mMTC Network. <i>Electronics (Switzerland)</i> , 2021, 10, 2915.	3.1	0
83	A Novel High Gain CPW-Feed Circular Slot Antenna with MSS for 3U CubeSats. , 2020, , .		0
84	A Dual Band Loop Antenna with Metal Frame for CubeSat Communication. , 2020, , .		0