

Xuanke He

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

144
citations

1684188

5
h-index

1588992

8
g-index

15
all docs

15
docs citations

15
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Wirelessly Powered Backscatter Communications: From Antenna/RF Circuitry Design to Printed Flexible Electronics. Proceedings of the IEEE, 2022, 110, 171-192.	21.3	41
2	Additively Manufactured mm-Wave Multichip Modules With Fully Printed "Smart" Encapsulation Structures. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2716-2724.	4.6	30
3	RFID Based Non-Contact Human Activity Detection Exploiting Cross Polarization. IEEE Access, 2020, 8, 46585-46595.	4.2	15
4	A Wideband, Quasi-Isotropic, Kilometer-Range FM Energy Harvester for Perpetual IoT. IEEE Microwave and Wireless Components Letters, 2020, 30, 201-204.	3.2	12
5	In-Package Additively Manufactured Sensors for Bend Prediction and Calibration of Flexible Phased Arrays and Flexible Hybrid Electronics. , 2021, , .		7
6	Tile-based massively scalable MIMO and phased arrays for 5G/B5G-enabled smart skins and reconfigurable intelligent surfaces. Scientific Reports, 2022, 12, 2741.	3.3	7
7	A Fully 3D Printed Multi-Chip Module with an On-Package Enhanced Dielectric Lens for mm-Wave Applications Using Multimaterial Stereo-lithography. , 2018, , .		6
8	Fully Inkjet Printed 60GHz Backscatter 5G RFID Modules for Sensing and Localization in Internet of Things (IoT) and Digital Twins Applications. , 2021, , .		6
9	RF Systems on Antenna (SoA): a Novel Integration Approach Enabled by Additive Manufacturing. , 2020, , .		5
10	Flexible and Scalable Additively Manufactured Antenna Array Tiles for Satellite and 5G Applications Using A Novel Rugged Microstrip-to-Microstrip Transition. , 2021, , .		4
11	Additively Manufactured "Smart" RF/mm-Wave Packaging Structures: A Quantum Leap for On-Demand Customizable Integrated 5G and Internet of Things Modules. IEEE Microwave Magazine, 2022, 23, 94-106.	0.8	4
12	Coupled Lines for Wearable Power Dividers: Coupled Transmission-Line Sections for Power Dividers in Wearable and Flexible RF Electronics. IEEE Microwave Magazine, 2020, 21, 66-87.	0.8	3
13	A 3D Printed Dish Antenna With Integrated Feeding Structure. , 2020, , .		3
14	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. International Journal of High Speed Electronics and Systems, 2020, 29, 2040016.	0.7	1
15	Additively Manufactured RF Devices for 5G, IoT, RFID, WSN, and Smart City Applications. Selected Topics in Electronics and Systems, 2021, , 163-174.	0.2	0