

Eduardo A Rojas-Nastrucci

List of Publications by Year in descending order

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26
papers

379
citations

1162889

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h-index

1281743

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all docs

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docs citations

26
times ranked

355
citing authors

#	ARTICLE	IF	CITATIONS
1	Antenna Additively Manufactured Engineered Fingerprinting for Physical-Layer Security Enhancement for Wireless Communications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 637-651.	2.5	3
2	Advanced Manufacturing and Characterization of mm-Wave Two-Layer Reflectarray Cells. , 2022, , .		0
3	Advanced Manufacturing of Passive Wireless High-Temperature Pressure Sensor Using 3-D Laser Machining. , 2022, , .		2
4	A Gain-Reconfigurable and Frequency-Beam-Steerable Additively Manufactured Antenna. , 2021, , .		5
5	Photonic Curing of mm-Wave Coplanar Waveguides for Conductor Loss Enhancement. , 2021, , .		1
6	Surface Acoustic Wave-Based Flexible Piezocomposite Strain Sensor. Crystals, 2021, 11, 1576.	1.0	9
7	Laser Enhanced Direct Print Additive Manufacturing of Embedded Circular Cross-Section Optical Fiber Interconnects for Board Level Computing Devices. Additive Manufacturing, 2020, 34, 101227.	1.7	0
8	Characterization of Microdispensed Dielectric Materials for Direct Digital Manufacturing Using Coplanar Waveguides. , 2019, , .		3
9	Thermal and Vapor Smoothing of Thermoplastic for Reduced Surface Roughness of Additive Manufactured RF Electronics. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1151-1160.	1.4	6
10	UHF RFID-based Additively Manufactured Passive Wireless Sensor for Detecting Micrometeoroid and Orbital Debris Impacts. , 2019, , .		8
11	Laser-Assisted Additive Manufacturing of mm-Wave Lumped Passive Elements. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5462-5471.	2.9	13
12	Laser Assisted Additive Manufacturing of CPW mm-Wave Interdigital Capacitors. , 2018, , .		3
13	Direct digital manufacturing of mm-wave vertical interconnects. , 2018, , .		5
14	UHF RFID Tags for On-/Off-Metal Applications Fabricated Using Additive Manufacturing. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1635-1638.	2.4	23
15	Fabrication, Modeling, and Application of Ceramic-Thermoplastic Composites for Fused Deposition Modeling of Microwave Components. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2073-2084.	2.9	40
16	Characterization and Modeling of K-Band Coplanar Waveguides Digitally Manufactured Using Pulsed Picosecond Laser Machining of Thick-Film Conductive Paste. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3180-3187.	2.9	33
17	Laser enhanced direct print additive manufacturing for mm-wave components and packaging. , 2017, , .		9
18	Ka-Band Characterization of Binder Jetting for 3-D Printing of Metallic Rectangular Waveguide Circuits and Antennas. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3099-3108.	2.9	50

#	ARTICLE	IF	CITATIONS
19	Metallic 3D printed Ka-band pyramidal horn using binder jetting. , 2016, , .		13
20	Meshed rectangular waveguide for high power, low loss and reduced weight applications. , 2016, , .		15
21	Propagation Characteristics and Modeling of Meshed Ground Coplanar Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3460-3468.	2.9	13
22	Ka-band characterization and RF design of Acrylonitrile Butadiene Styrene (ABS). , 2015, , .		11
23	Simultaneous RF electrical conductivity and topography mapping of smooth and rough conductive traces using microwave microscopy to identify localized variations. , 2015, , .		7
24	A 2.45 GHz Phased Array Antenna Unit Cell Fabricated Using 3-D Multi-Layer Direct Digital Manufacturing. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4382-4394.	2.9	86
25	A study on 3D-printed coplanar waveguide with meshed and finite ground planes. , 2014, , .		19
26	Measurement of Electrical Conductivity of Direct Digital Printed Conductive Traces Using Near-Field Microwave Microscopy. International Symposium on Microelectronics, 2014, 2014, 000898-000904.	0.3	2