

# Daniele Inserra

## List of Publications by Year in descending order

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51  
papers

461  
citations

759233

12  
h-index

752698

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g-index

51  
all docs

51  
docs citations

51  
times ranked

451  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Design of Discrete Apertures for High-Efficiency Wireless Power Transfer. IEEE Transactions on Antennas and Propagation, 2022, 70, 783-788.	5.1	3
2	A Nonlinear Rectifying Diode Model for Low and High Power Levels in Microwave Regime. IEEE Microwave and Wireless Components Letters, 2022, 32, 456-459.	3.2	5
3	Intermittent Magnetic Field Monitoring System Based on Passive RFID Sensor Tags. IEEE Sensors Journal, 2022, 22, 819-831.	4.7	5
4	Radio Frequency Identification Reader Antenna Design With High Gain And Circular Polarization. , 2022, , .		0
5	High-Efficiency Microwave Rectifier With Coupled Transmission Line for Low-Power Energy Harvesting and Wireless Power Transmission. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 916-925.	4.6	20
6	Low Profile Metal Tolerant UHF RFID Tag With Lumped Elements for Post-Manufacturing Frequency Tuning. IEEE Transactions on Antennas and Propagation, 2021, 69, 7953-7958.	5.1	9
7	Dual Orthogonal Port Stacked Patch Antenna With Vertical Pins for Simultaneous Transmit and Receive Application. IEEE Transactions on Antennas and Propagation, 2021, 69, 8908-8913.	5.1	5
8	Miniaturized Sequentially Rotated Curved PIFA Circular Array for Portable Handheld RFID Readers. , 2021, , .		0
9	Microwave Airy Beam Generation With Microstrip Patch Antenna Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 2290-2301.	5.1	16
10	Focus Beam Synthesis With Circular Antenna Array Based on Radial Waveguide Feed Network. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 748-752.	4.0	0
11	A Hydrogen Concentration Monitoring System With Passive Tags. IEEE Internet of Things Journal, 2021, 8, 9244-9256.	8.7	3
12	Dual-port Stacked Annular Ring Microstrip Patch Antenna with Vertical Pins for Isolation Enhancement. , 2021, , .		0
13	Ultra-thin broadband absorber using active non-Foster devices and FSS-magnetic material. , 2021, , .		0
14	On The Evaluation Of Wireless Power Transfer Efficiency Between Two Antenna Apertures In The Fresnel Region Over Wide Bandwidth. , 2021, , .		0
15	Compact and High Efficiency Rectifier Design based on Microstrip Coupled Transmission Line for Energy Harvesting. , 2020, , .		2
16	Experimental Demonstration of Microwave Two-Dimensional Airy Beam Generation Based on Single-Layer Metasurface. IEEE Transactions on Antennas and Propagation, 2020, 68, 7507-7516.	5.1	33
17	Screw Relaxing Detection With UHF RFID Tag. IEEE Access, 2020, 8, 78553-78564.	4.2	10
18	Dual-Mode Microstrip Patch Antennas For Largely Spaced Phased Arrays. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Optimization of Large Antenna Arrays for Radiative Wireless Power Transfer. , 2020, , .		2
20	A Compact High-Efficiency Watt-Level Microwave Rectifier With a Novel Harmonic Termination Network. IEEE Microwave and Wireless Components Letters, 2019, 29, 418-420.	3.2	24
21	Array Pattern Synthesis for ETC Applications. , 2019, , .		0
22	Multihop Distance-Bounding for Improving Security and Efficiency of Ad-Hoc Networks. IEEE Internet of Things Journal, 2019, 6, 5312-5323.	8.7	1
23	Compact Crossed Dipole Antenna With Meandered Series Power Divider for UHF RFID Tag and Handheld Reader Devices. IEEE Transactions on Antennas and Propagation, 2019, 67, 4195-4199.	5.1	20
24	A Circularly Polarized Antenna Array with Gain Enhancement for Long-Range UHF RFID Systems. Electronics (Switzerland), 2019, 8, 400.	3.1	11
25	Fast and Automatic RF Design Based on MATLAB-HFSS Control Applied on Magnetic Absorber with Metasurface. , 2019, , .		1
26	Ultra-wideband Active Absorber Based on Multiple Frequency Selective Surface and Magnetic Layers. , 2019, , .		0
27	Ultra-wideband Dual-layer Magnetic Absorber with Active Impedance Matching. , 2019, , .		0
28	A High-Efficiency Inverse Class-F Microwave Rectifier for Wireless Power Transmission. IEEE Microwave and Wireless Components Letters, 2019, 29, 725-728.	3.2	34
29	Low-Cost Air Gap Metasurface Structure for High Absorption Efficiency Energy Harvesting. International Journal of Antennas and Propagation, 2019, 2019, 1-8.	1.2	10
30	Experimental Demonstration of Microwave Airy Beam Generation Based on Metasurface. , 2019, , .		0
31	Planar miniaturized CP antenna with coaxial feeding. Microwave and Optical Technology Letters, 2018, 60, 956-960.	1.4	3
32	A Compact Broadband Cross-Shaped Circularly Polarized Planar Monopole Antenna With a Ground Plane Extension. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 335-338.	4.0	69
33	Optimization of Circularly Polarized Corner Truncated Patch with Matlab Antenna Toolbox. , 2018, , .		0
34	On the Generation of Truncated Airy Beams with Antenna Arrays. , 2018, , .		2
35	Wideband Low Axial Ratio and High-Gain Sequentially Rotated Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2264-2268.	4.0	13
36	Tri-Band planar monopole antenna with two circularly polarised bandwidths for WiMAX applications. IET Microwaves, Antennas and Propagation, 2018, 12, 2350-2355.	1.4	5

#	ARTICLE	IF	CITATIONS
37	High Efficiency Electromagnetic Energy Harvesting with Metasurface. , 2018, , .		3
38	High Gain Circularly Polarized Substrate Integrated Coaxial Line Fed Antenna Array for RFID Band. , 2018, , .		0
39	Screw Tightening Monitoring with RFID Passive Tag. , 2018, , .		0
40	Sequentially Rotated Circular Antenna Array With Curved PIFA and Series Feed Network. IEEE Transactions on Antennas and Propagation, 2018, 66, 5849-5858.	5.1	14
41	Compact Wideband CPW-Fed Meandered-Slot Antenna With Slotted Y-Shaped Central Element for Wi-Fi, WiMAX, and 5G Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 7395-7399.	5.1	39
42	A Compact Broadband Circularly Polarized Slot Antenna With Two Linked Rectangular Slots and an Inverted-F Feed Line. IEEE Transactions on Antennas and Propagation, 2018, 66, 7374-7377.	5.1	29
43	CPW slot antenna with Y-shaped central monopole and matching arms. International Journal of Microwave and Wireless Technologies, 2018, 10, 1166-1174.	1.9	2
44	Antenna Array Synthesis for RFID-Based Electronic Toll Collection. IEEE Transactions on Antennas and Propagation, 2018, 66, 4596-4605.	5.1	30
45	Linear optimization of antenna array for radiation pattern defined on a planar surface. Journal of Electromagnetic Waves and Applications, 2018, 32, 2030-2045.	1.6	2
46	Propagation range enhancement of truncated airy beam with antenna array at microwave frequencies. , 2018, , .		5
47	Compact slotted <sc>CPW</sc>-fed <sc>Y</sc>-shape patch antenna for <sc>W</sc>-F and <sc>W</sc>-MAX applications. Microwave and Optical Technology Letters, 2018, 60, 1934-1937.	1.4	4
48	Comparison among different feed network topologies for sequential rotated antenna array. , 2017, , .		1
49	Design of a Microstrip Series Power Divider for Sequentially Rotated Nonuniform Antenna Array. International Journal of Antennas and Propagation, 2017, 2017, 1-8.	1.2	13
50	Planar antenna array design considerations for RFID electronic toll collection system. , 2016, , .		5
51	Communication area synthesis for next generation highway ETC systems. , 2016, , .		6