

Marco A Antoniades

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

1,729

citations

18

h-index

41

g-index

84

ext. papers

2,205

ext. citations

3.3

avg, IF

5.1

L-index

#	Paper	IF	Citations
66	Compact linear lead/lag metamaterial phase shifters for broadband applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2003 , 2, 103-106	3.8	246
65	A Compact Tri-Band Monopole Antenna With Single-Cell Metamaterial Loading. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1031-1038	4.9	148
64	A compact and low-profile metamaterial ring antenna with vertical polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 333-336	3.8	142
63	A broadband series power divider using zero-degree metamaterial phase-shifting lines. <i>IEEE Microwave and Wireless Components Letters</i> , 2005 , 15, 808-810	2.6	121
62	A broadband Wilkinson balun using microstrip metamaterial lines. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 209-212	3.8	120
61	A Folded-Monopole Model for Electrically Small NRI-TL Metamaterial Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 425-428	3.8	101
60	Compact EBG-Backed Planar Monopole for BAN Wearable Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 453-463	4.9	88
59	A Compact Multiband Monopole Antenna With a Defected Ground Plane. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 652-655	3.8	81
58	A Broadband Dual-Mode Monopole Antenna Using NRI-TL Metamaterial Loading. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 258-261	3.8	70
57	Intelligent Metasurfaces with Continuously Tunable Local Surface Impedance for Multiple Reconfigurable Functions. <i>Physical Review Applied</i> , 2019 , 11,	4.3	67
56	A CPS Leaky-Wave Antenna With Reduced Beam Squinting Using NRI-TL Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 708-721	4.9	62
55	Compact CPW-Fed Planar Monopole Antenna With Wide Circular Polarization Bandwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1295-1298	3.8	45
54	Multiband Compact Printed Dipole Antennas Using NRI-TL Metamaterial Loading. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5613-5626	4.9	44
53	Antenna applications of negative-refractive-index transmission-line structures. <i>IET Microwaves, Antennas and Propagation</i> , 2007 , 1, 12	1.6	43
52	A Multi-Functional Reconfigurable Metasurface: Electromagnetic Design Accounting for Fabrication Aspects. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1440-1454	4.9	31
51	Bandwidth and Directivity Enhancement of Loop Antenna by Nonperiodic Distribution of Mu-Negative Metamaterial Unit Cells. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3319-3329	4.9	30
50	Reconfigurable Bandwidth Bandpass Filter With Enhanced Out-of-Band Rejection Using π -Section-Loaded Ring Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 28-30	2.6	19

49	Miniaturization of Planar Yagi Antennas Using Mu-Negative Metamaterial-Loaded Reflector. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6827-6837	4.9	18
48	Compact Wideband Loop Antenna Partially Loaded With Mu-Negative Metamaterial Unit Cells for Directivity Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1893-1896	3.8	18
47	A Directivity-Band-Dependent Triple-Band and Wideband Dual-Polarized Monopole Antenna Loaded with a Via-Free CRLH Unit Cell. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 855-858	3.8	16
46	Miniaturized Planar Yagi Antenna Utilizing Capacitively Coupled Folded Reflector. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1977-1980	3.8	14
45	Toward the Realization of a Programmable Metasurface Absorber Enabled by Custom Integrated Circuit Technology. <i>IEEE Access</i> , 2020 , 8, 92986-92998	3.5	12
44	A NRI-TL Metamaterial Leaky-Wave Antenna Radiating at Broadside With Zero Beam-Squinting. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2223-2227	3.8	12
43	Method of Isolating and Tuning the Two Dominant Modes of a Printed Inverted-F Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3420-3426	4.9	10
42	A Compact Reconfigurable NRI-TL Metamaterial Phase Shifter for Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1025-1030	4.9	9
41	Sensing CPU Voltage Noise Through Electromagnetic Emanations. <i>IEEE Computer Architecture Letters</i> , 2018 , 17, 68-71	1.8	8
40	An Investigation of Printed Franklin Antennas at X-Band Using Artificial (Metamaterial) Phase-Shifting Lines. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3118-3128	4.9	8
39	Broadband planar circularly polarised antenna for ultra-high frequency applications. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 263-271	1.6	7
38	A compact monopole antenna with a defected ground plane for multi-band applications 2008 ,		7
37	Dual-Band Compact Rectenna for UHF and ISM Wireless Power Transfer Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2392-2397	4.9	7
36	Dynamically Reconfigurable SIR Filter Using Rectenna and Active Booster. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1504-1515	4.1	6
35	Planar antennas for compact multiband transceivers using a microstrip feedline and multiple open-ended ground slots. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 486-494	1.6	6
34	Integrated-Circuit Enabled Adaptive Metasurface Absorber With Independent Tuning of Orthogonal Polarization Planes. <i>IEEE Access</i> , 2020 , 8, 50227-50235	3.5	6
33	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5773-5782	4.9	6
32	Method of Decoupling and Independently Tuning the Second Mode of a Microstrip-Fed Slot Antenna Using Series Inductive Loading. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1017-1020	3.8	6

31	A negative-refractive-index transmission-line (NRI-TL) leaky-wave antenna with reduced beam squinting 2007 ,		6
30	Leveraging CPU Electromagnetic Emanations for Voltage Noise Characterization 2018 ,		6
29	Transmission-Line Based Metamaterials in Antenna Engineering 2016 , 377-449		5
28	Direct quadrature phase shift keying modulation using compact wideband six-port networks. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 854	1.6	5
27	Conformal wearable monopole antenna backed by a compact EBG structure for body area networks 2017 ,		4
26	Dynamically Reconfigurable UWB Antenna Using an FET Switch Powered by Wireless RF Harvested Energy. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5872-5881	4.9	4
25	A multi-band NRI-TL metamaterial-loaded bow-tie antenna 2011 ,		4
24	A multiband monopole antenna using a double-tuned wheeler matching network 2010 ,		4
23	A Multiband Monopole Antenna With an Embedded Reactance-Cancelling Transmission-Line Matching Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 1107-1110	3.8	4
22	A compact crossover using NRI-TL metamaterial lines 2012 ,		4
21	A tri-band compact metamaterial-loaded monopole antenna for WiFi and WiMAX applications. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		4
20	Transmission-Line Based Metamaterials in Antenna Engineering 2015 , 1-60		4
19	UWB antenna with dynamically reconfigurable notch band using rectenna and active booster. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2046-2052	1.6	4
18	3D Radar Localization via Photonic Chirp Leaky-Wave Antenna Beam Scanning 2019 ,		4
17	ASIC-Enabled Reprogrammable Metasurfaces for 5G Applications 2021 ,		3
16	A compact microstrip crossover using NRI-TL metamaterial lines. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 2839-2843	1.2	3
15	2017 ,		2
14	A high gain EBG backed monopole for MBAN off-body communication 2016 ,		2

13	Wideband BPF using quadruple-mode ring resonator loaded with short-circuited stubs and E-shaped band-stop sections. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2316-2320	1.2	2
12	A compact multiband NRI-TL metamaterial-loaded planar antenna for heart failure monitoring 2013 ,		2
11	A compact low-profile high-impedance surface for use as an antenna ground plane 2011 ,		2
10	Compact Folded Leaky-Wave Antenna Radiating a Fixed Beam at Broadside for 5G mm-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	2
9	The first family of application-specific integrated circuits for programmable and reconfigurable metasurfaces.. <i>Scientific Reports</i> , 2022 , 12, 5826	4.9	2
8	An IC-Enabled Metasurface Producing OAM and Pencil Beams 2021 ,		2
7	Antenna Applications of Negative Refractive Index Transmission-Line (NRI-TL) Metamaterials 2008 , 675-736		1
6	DC voltage boosting technique in radio frequency wireless power transfer systems utilising high PAPR digital modulations. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2457-2463	1.6	1
5	Through-body Communication Measurements Using Wearable and Implantable Sensor Antennas 2019 ,		1
4	On the Use of Tunable Power Splitter for Simultaneous Wireless Information and Power Transfer Receivers. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-12	1.2	1
3	Harnessing CPU Electromagnetic Emanations for Resonance-Induced Voltage-Noise Characterization. <i>IEEE Transactions on Computers</i> , 2021 , 70, 1338-1349	2.5	0
2	Magneto-Electric Dipole Antennas Loaded with Meta-Lens for 5G MIMO Pattern Diversity Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
1	Simultaneous User Localization and Identification Using Leaky-Wave Antennas and Backscattering Communications. <i>IEEE Access</i> , 2022 , 1-1	3.5	0