

Dimitri E Anagnostou

List of Publications by Year in descending order

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126
papers

2,287
citations

257450

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127
docs citations

127
times ranked

1873
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Fabrication, and Measurements of an RF-MEMS-Based Self-Similar Reconfigurable Antenna. IEEE Transactions on Antennas and Propagation, 2006, 54, 422-432.	5.1	177
2	A Printed Log-Periodic Koch-Dipole Array (LPKDA). IEEE Antennas and Wireless Propagation Letters, 2008, 7, 456-460.	4.0	145
3	A Compact CSRR-Enabled UWB Diversity Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 808-812.	4.0	123
4	A Direct-Write Printed Antenna on Paper-Based Organic Substrate for Flexible Displays and WLAN Applications. Journal of Display Technology, 2010, 6, 558-564.	1.2	109
5	Dual Band-Reject UWB Antenna With Sharp Rejection of Narrow and Closely-Spaced Bands. IEEE Transactions on Antennas and Propagation, 2012, 60, 2071-2076.	5.1	104
6	RF MEMS Sequentially Reconfigurable Sierpinski Antenna on a Flexible Organic Substrate With Novel DC-Biasing Technique. Journal of Microelectromechanical Systems, 2007, 16, 1185-1192.	2.5	93
7	Reconfigurable UWB Antenna With RF-MEMS for On-Demand WLAN Rejection. IEEE Transactions on Antennas and Propagation, 2014, 62, 602-608.	5.1	84
8	Bandwidth Enhancement of the Resonant Cavity Antenna by Using Two Dielectric Superstrates. IEEE Transactions on Antennas and Propagation, 2013, 61, 1898-1908.	5.1	83
9	A Self-Adapting Flexible (SELFLEX) Antenna Array for Changing Conformal Surface Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 655-665.	5.1	81
10	A Wide-Angle Scanning Planar Phased Array with Pattern Reconfigurable Magnetic Current Element. IEEE Transactions on Antennas and Propagation, 2017, 65, 1434-1439.	5.1	74
11	A Coplanar Reconfigurable Folded Slot Antenna Without Bias Network for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1057-1060.	4.0	70
12	Ultra-compact dual-polarised UWB MIMO antenna with meandered feeding lines. IET Microwaves, Antennas and Propagation, 2017, 11, 997-1002.	1.4	63
13	Applications of neural networks in wireless communications. IEEE Antennas and Propagation Magazine, 2006, 46, 130-137.	1.4	53
14	FPGA-Controlled Switch-Reconfigured Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 355-358.	4.0	47
15	Phase-Compensated Conformal Antennas for Changing Spherical Surfaces. IEEE Transactions on Antennas and Propagation, 2014, 62, 1880-1887.	5.1	43
16	Neurocomputational analysis of a multiband reconfigurable planar antenna. IEEE Transactions on Antennas and Propagation, 2005, 53, 3453-3458.	5.1	41
17	Reconfigurable Bowtie Antenna Using Metal-Insulator Transition in Vanadium Dioxide. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1381-1384.	4.0	41
18	Reduced size planar Log-Periodic Dipole Arrays (LPDAs) using rectangular meander line elements. , 2008, , .		39

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19	Broadband and Dual-Band Coplanar Folded-Slot Antennas (CFSAs) [Antenna Designer's Notebook]. IEEE Antennas and Propagation Magazine, 2011, 53, 80-89.	1.4	39
20	Analysis and Design of a 45° Slant-Polarized Omnidirectional Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 86-93.	5.1	38
21	Scanning Range Expansion of Planar Phased Arrays Using Metasurfaces. IEEE Transactions on Antennas and Propagation, 2020, 68, 1402-1410.	5.1	36
22	Planar Monopole Antenna With Attached Sleeves. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 286-289.	4.0	32
23	Vanadium Dioxide for Reconfigurable Antennas and Microwave Devices: Enabling RF Reconfigurability Through Smart Materials. IEEE Antennas and Propagation Magazine, 2020, 62, 58-73.	1.4	30
24	A 55 -GHz Coplanar Waveguide to Coplanar Strip Transition. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1-6.	4.6	26
25	The Puck Antenna: A Compact Design With Wideband, High-Gain Operation. IEEE Transactions on Antennas and Propagation, 2015, 63, 1868-1873.	5.1	26
26	Evaluation of the Quality Factor, Q , of Electrically Small Microstrip-Patch Antennas [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2011, 53, 216-224.	1.4	22
27	Printed Leaky-Wave Antenna With Aperture Control Using Width-Modulated Microstrip Lines and TM Surface-Wave Feeding by SIW Technology. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1809-1813.	4.0	22
28	Eight-Element Compact UWB-MIMO/Diversity Antenna with WLAN Band Rejection for 3G/4G/5G Communications. IEEE Open Journal of Antennas and Propagation, 2020, , 1-1.	3.7	22
29	A Conformal Frequency Reconfigurable Antenna with Multiband and Wideband Characteristics. Sensors, 2022, 22, 2601.	3.8	21
30	A four element, planar, compact UWB MIMO antenna with $WLAN$ band rejection capabilities. Microwave and Optical Technology Letters, 2020, 62, 3124-3131.	1.4	20
31	Phase changeable vanadium dioxide (VO_2) thin films grown from vanadium pentoxide (V_2O_5) using femtosecond pulsed laser deposition. AIP Advances, 2020, 10, .	1.3	20
32	Thermal analysis of silver nanoparticles for flexible printed antenna fabrication. Journal of Applied Physics, 2013, 114, .	2.5	19
33	C-Band and X-Band Switchable Frequency-Selective Surface. Electronics (Switzerland), 2021, 10, 476.	3.1	19
34	Ultra-Compact Reconfigurable Band Reject UWB MIMO Antenna with Four Radiators. Electronics (Switzerland), 2020, 9, 584.	3.1	16
35	The design of reconfigurable planar log-periodic dipole array (LPDA) using switching elements. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	14
36	A frequency reconfigurable antenna design using neural networks. , 0, , .		13

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37	Frequency reconfigurable self-adapting conformal array for changing surfaces. IET Microwaves, Antennas and Propagation, 2016, 10, 897-901.	1.4	13
38	The Design and Optimization of Planar LPDAs. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2008, 4, 811-814.	0.4	13
39	Modeling frequency reconfigurable antenna array using neural networks. Microwave and Optical Technology Letters, 2005, 44, 351-354.	1.4	12
40	Compact Antenna for Picosatellites Using a Meandered Folded-Shorted Patch Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 477-481.	4.0	12
41	Analysis and Design of Dual-Band Folded-Shorted Patch Antennas for Robust Wearable Applications. IEEE Open Journal of Antennas and Propagation, 2020, 1, 239-252.	3.7	12
42	Re-configurable array antennas for wideband applications. , 0, , .		11
43	RFID integrated QR code tag antenna. , 2015, , .		11
44	Vanadium dioxide reconfigurable slot antenna. , 2016, , .		11
45	A Flush-Mounted Quasi-Full-Space Beam-Scanning Cylindrical Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 4883-4888.	5.1	11
46	Bandwidth enhancement of the cavity resonance antenna using multiple dielectric superstrate layers. , 2011, , .		10
47	Experimental characterization of the impedance of balanced UHF RFID tag antennas. Microwave and Optical Technology Letters, 2017, 59, 3127-3134.	1.4	10
48	A Novel Meander Line Metamaterial Absorber Operating at 24 GHz and 28 GHz for the 5G Applications. Sensors, 2022, 22, 3764.	3.8	10
49	Design of a wireless power transfer system for assisted living applications. Wireless Power Transfer, 2019, 6, 41-56.	1.1	9
50	Characterization of Novel Structures Consisting of Micron-Sized Conductive Particles That Respond to Static Magnetic Field Lines for 4G/5G (Sub-6 GHz) Reconfigurable Antennas. Electronics (Switzerland), 2020, 9, 903.	3.1	9
51	Advances in direct-write printing of RF-MEMS using M3D. , 2014, , .		8
52	Modified easy to fabricate E-shaped compact patch antenna with wideband and multiband functionality. IET Microwaves, Antennas and Propagation, 2018, 12, 326-331.	1.4	8
53	A low-cost WLAN “Green” PIFA antenna on eco-friendly paper substrate. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	7
54	Bandwidth enhancement of the cavity resonance antenna (CRA) using multiple dielectric superstrate layers. , 2011, , .		7

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55	Multiple superstrates technique for a broadband cavity resonance antenna (CRA). , 2011, , .		6
56	Gain limits of phase compensated conformal antenna arrays on non-conducting spherical surfaces using the projection method. , 2013, , .		6
57	QR code antenna for wireless and security applications. , 2013, , .		6
58	A compact multiband microstrip patch antenna with U-shaped parasitic elements. , 2015, , .		6
59	Ultra-fast reconfigurable antennas with phase change materials. , 2017, , .		6
60	Guest Editorial: Special Cluster on Machine Learning Applications in Electromagnetics, Antennas, and Propagation. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2220-2224.	4.0	6
61	Reconfigurable Antennas. Electronics (Switzerland), 2021, 10, 897.	3.1	6
62	Beam-Shaping of Planar Array Antennas Using Integrated Attenuators. , 2007, , .		5
63	Integration of a 4Å–8 antenna array with a reconfigurable 2-bit phase shifter using RF MEMS switches on multilayer organic substrates. , 2007, , .		5
64	Quality factor Q of a miniaturized meander microstrip patch antenna. , 2008, , .		5
65	An initial investigation on the use of carbon microfibers for conformal transmission lines. , 2013, , .		5
66	An autonomous self-adapting conformal array for cylindrical surfaces with a changing radius. , 2014, , .		5
67	A novel polarization reconfigurable antenna based on transmission line theory. , 2015, , .		5
68	Dual-frequency and dual-polarization antenna array for satellite deployment. , 2016, , .		5
69	Evaluating the effect of small number of snapshots and signalâ€œnoiseâ€œratio on the efficiency of MUSIC estimations. IET Microwaves, Antennas and Propagation, 2017, 11, 755-761.	1.4	5
70	An x-band reconfigurable planar dipole antenna. , 0, , .		4
71	Dual band-notched ultra-wideband antenna for 802.11a WLAN Environments. , 2007, , .		4
72	A survey on the effect of small snapshots number and SNR on the efficiency of the MUSIC algorithm. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
73	Monopulse Antenna in SIW Technology for Beam Steering Applications. , 2020, , .		4
74	Neural Networks in Antenna Engineering - Beyond Black-box Modeling. , 0, , .		3
75	Lead Invited Talk: Reconfigurable Multifunctional Antennas. , 0, , .		3
76	Hardwired Design of Ultra-Wideband Reconfigurable MEMS Antenna. , 2007, , .		3
77	Light Weight MIMO Phased Arrays with Beam Steering Capabilities using RF MEMS. , 2007, , .		3
78	Application of a dielectric puck for a high gain-bandwidth resonant cavity antenna. , 2012, , .		3
79	Half-power beamwidth of a self-adapting conformal 1 × 4 microstrip array. , 2012, , .		3
80	Dual-band resonant cavity antenna with a single dielectric superstrate. , 2012, , .		3
81	AoA Based Sensing and Performance Analysis in Cognitive Radio Networks. , 2014, , .		3
82	Direct-write printing of an RF-MEMS Cantilever. , 2014, , .		3
83	Reconfigurable antenna prototype utilizing the phase change characteristics of Vanadium Dioxide. , 2015, , .		3
84	Adaptive flexible antenna array system for deformable wing surfaces. , 2015, , .		3
85	Flexible arrays signal change in communications. Nature Electronics, 2019, 2, 180-181.	26.0	3
86	Heartbeat and Respiration Detection Using a Low Complexity CW Radar System. , 2021, , .		3
87	Compact End-fire Antenna Designs for PicoSat Integration and Other Small Satellite Missions. , 2021, , .		3
88	CW Radar Based System with Automated DC Offset Reduction for Heartbeat Detection. , 2020, , .		3
89	Reconfigurable printed cactus antenna. , 2006, , .		2
90	Conformal antenna on LCP for sensor applications. , 2008, , .		2

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91	Quality Factor Comparison of Coaxial-Fed and Edge-Fed Electrically Small Microstrip Antennas. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1493-1496.	4.0	2
92	Two-cavity model for creating two high-directivity bands of the resonant cavity antenna with flexible and dynamic control. , 2013, , .		2
93	Two antenna arrays for remote sensing applications. , 2017, , .		2
94	A polarization reconfigurable RFID reader antenna. , 2017, , .		2
95	Metamaterialâ€inspired seriesâ€fed frequency reconfigurable array with zeroâ€phase CRLH interconnects. Microwave and Optical Technology Letters, 2018, 60, 140-146.	1.4	2
96	A Miniaturized Circularly Polarized Antenna Using a Meandered Folded-Shorted Patch Array for CubeSats. , 2020, , .		2
97	Organic Paper-Based Antennas. WIT Transactions on State-of-the-art in Science and Engineering, 2014, , 25-57.	0.0	2
98	Dual-band microstrip-fed monopole on RO4003 substrate. , 2008, , .		1
99	A printed paper-based inverted F-antenna (PIFA) for WLAN applications. , 2009, , .		1
100	Performance improvement of MUSIC algorithm by combined use of Root and Beam-space MUSIC versions. , 2009, , .		1
101	Integration of RF-MEMS switches with a band-reject reconfigurable ultra-wideband antenna on SiO ₂ substrate. , 2010, , .		1
102	Mutual coupling between coax-fed rectangular microstrip antennas embedded in layered uniaxial anisotropic dielectrics. , 2010, , .		1
103	Wireless control of reconfigurable antenna arrays. , 2012, , .		1
104	Scanning characteristics of a self-adapting phased-array antenna on a wedge-shaped conformal surface. , 2013, , .		1
105	QR code antennas for WiFi/WLAN/Bluetooth applications. , 2013, , .		1
106	Self-adaptive flexible antenna array system. , 2013, , .		1
107	Tailorable optical scattering properties of V-shaped plasmonic nanoantennas: a computationally efficient and fast analysis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2256.	1.5	1
108	Mutual coupling effects on the MIMO capacity using dual band Wi-Fi double-T printed antennas. , 2015, , .		1

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109	Evolutionary Algorithms Applied to Antennas and Propagation: Emerging Trends and Applications. International Journal of Antennas and Propagation, 2016, 2016, 1-2.	1.2	1
110	Integration of resistive heaters for phase-change reconfigurable antennas. , 2017, , .		1
111	Printing and measurements of ink-jet deposited transmission lines for space electronics. , 2018, , .		1
112	Evolutionary Algorithms Applied to Antennas and Propagation: Emerging Trends and Applications 2017. International Journal of Antennas and Propagation, 2018, 2018, 1-2.	1.2	1
113	Compact Folded-Shorted Patch Antenna Array with PCB Implementation for Modern Small Satellites. , 2020, , .		1
114	Beam Pattern Reconfiguration of a Planar Yagi-Uda Antenna Using PIN Diodes. , 2021, , .		1
115	On the silicon-etched re-configurable antenna with RF-MEMS switches. , 0, , .		0
116	Mobile channel modeling for evaluation of multipath components parameters. , 2008, , .		0
117	Development of an ultra compact dual band antenna on a one cubic centimeter (1 cm^3) surface. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
118	Controlling switch-reconfigured antennas using FPGAs. , 2010, , .		0
119	A corporate fed coplanar folded slot antenna array and its application for beam steering. , 2012, , .		0
120	Reconfigurable coplanar metamaterial unit cell for antenna array applications. , 2013, , .		0
121	Technological advances in reconfigurable and autonomous antenna systems. , 2014, , .		0
122	Polarization diversity performance of mobile terminals in multipath environment using MIMO channel characterization. , 2015, , .		0
123	Enhanced bandwidth $4\tilde{A}$ —4 antenna array consisting of E-shaped elements. , 2015, , .		0
124	Multi-arm Dipole for Compact Wearable Antennas. , 2018, , .		0
125	Measurements of a compact Ku- and Ka-band $4\tilde{A}$ —4 array for remote sensing. , 2018, , .		0
126	Towards MIMO-Monopulse FMCW Radar for Automotive Applications using SIW Antennas. , 2020, , .		0