

Dejan S Filipovic

List of Publications by Year in descending order

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244
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244
all docs

244
docs citations

244
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Flat Radomes for (18 to 45) GHz High-Power Horn Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 2381-2386.	5.1	1
2	Design and Characterization of an All-Metal 3-D Printed Air-Dielectric Coaxial Line. IEEE Microwave and Wireless Components Letters, 2022, 32, 839-842.	3.2	2
3	3:1 Bandwidth Sinuous Antenna for Direction Finding Applications. , 2022, , .		0
4	Performance of SLA and DMLS 3D Printed Ka-Band Resonators with Integrated Coaxial Launchers. , 2022, , .		2
5	Mechanical Reinforcement Technique for Flat Radomes at Millimeter-Wave Frequencies. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1352-1356.	4.0	1
6	Fixed and Steerable Beam Dual-Polarized Lens Antenna With High Tx to Rx Isolation. IEEE Transactions on Antennas and Propagation, 2021, 69, 7213-7221.	5.1	6
7	Compact Wideband Dual-Polarized In-Band Full-Duplex Antenna Subsystem. IEEE Transactions on Antennas and Propagation, 2021, 69, 7166-7172.	5.1	13
8	An <i>X</i> -Band Through <i>Ka</i> -Band Thinned All-Metal Vivaldi Phased Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 7613-7623.	5.1	18
9	3D Printed Double Ridged Waveguide Rotman Lens System. , 2021, , .		1
10	Subregion-Based Machine Learning for Wideband Amplitude-Only Direction-Finding Systems. , 2021, , .		0
11	A Framework for Design of Multibeam Antenna Systems used for Amplitude-Only Direction Finding Based on Correlation Method. , 2021, , .		2
12	Shared Aperture Simultaneous Transmit and Receive Architecture for Reflectarray Antennas. , 2021, , .		1
13	Co-Circularly Polarized Van Atta Array Enabled by Quasi-Monostatic STAR Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 7156-7165.	5.1	6
14	Guest Editorial Special Issue on Antennas and Propagation Aspects of In-Band Full-Duplex Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7085-7091.	5.1	7
15	Synthesis of Van Atta Array Retrodirective Patterns Using Conventional Array Characterization. , 2021, , .		1
16	A High Aperture Efficiency Switched-Beam Lens-Based System with Tightly-Coupled Array Feed. , 2021, , .		0
17	Tightly Coupled Dipole Array with In-Line Guanella Transformer and Balun. , 2021, , .		0
18	3-D Printed Monolithic GRIN Dielectric-Loaded Double-Ridged Horn Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 533-539.	5.1	23

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19	Ultrawideband Flush-Mountable Dual-Polarized Vivaldi Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 5670-5674.	5.1	8
20	Wideband Quasi-Monostatic Simultaneous Transmit and Receive Reflector Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 2630-2637.	5.1	14
21	Tightly Coupled Array of Horizontal Dipoles Over a Ground Plane. IEEE Transactions on Antennas and Propagation, 2020, 68, 2097-2107.	5.1	4
22	Simultaneous Transmit and Receive Spiral Antenna With Improved Isolation. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2145-2148.	4.0	3
23	ϵ-lens antenna for 5G multi-beam communication. Microwave and Optical Technology Letters, 2020, 62, 3611-3622.	1.4	8
24	Wideband Miniaturized Dual-Polarized TEM Horn. , 2020, , .		0
25	Performance of Multi-Arm Sinuous Antenna in Analog and Digital Angle of Arrival Estimation. , 2019, , .		2
26	TEM Horn Inspired Wideband Antennas for Diverse Applications. , 2019, , .		0
27	Wideband Spectrum Sensing and Direction Finding Antenna Subsystem. , 2019, , .		0
28	H-Plane Narrow-Wall Double-Ridge Waveguide Coupler in V- and W-Bands. IEEE Microwave and Wireless Components Letters, 2019, 29, 204-206.	3.2	3
29	Extreme Offset-Fed Reflectarray Antenna for Compact Deployable Platforms. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1139-1143.	4.0	3
30	High-Directivity Beam-Steerable Lens Antenna for Simultaneous Transmit and Receive. , 2019, , .		4
31	Balanced-Diplexer Frequency Division Duplex Subarray for X-band Phased Array. , 2019, , .		0
32	Design of a Dual-Circularly Polarized X-Band Active Phased Array Based on a Balanced-Diplexer. , 2019, , .		2
33	Wideband Monostatic Co-Polarized Co-Channel Simultaneous Transmit and Receive Broadside Circular Array Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 843-852.	5.1	23
34	Antenna System for Full-Duplex Operation of Handheld Radios. IEEE Transactions on Antennas and Propagation, 2019, 67, 522-530.	5.1	17
35	Isolation Improvement Techniques for Wideband Millimeter-Wave Repeaters. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 355-358.	4.0	8
36	On the Split-Block Realization of Millimeter-Wave Ridge Waveguide Components. IEEE Microwave and Wireless Components Letters, 2018, 28, 296-298.	3.2	12

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37	Wideband Antenna Systems for Millimeter-Wave Amplitude-Only Direction Finding. IEEE Transactions on Antennas and Propagation, 2018, 66, 3122-3129.	5.1	12
38	Wideband and Efficient Slot Cavity Backing for Unidirectional Log-Periodic Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 299-302.	4.0	5
39	In-Band Full-Duplex Multimode Lens-Loaded Eight-Arm Spiral Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 2084-2089.	5.1	18
40	On the Assessment of Antenna Patterns for Wideband Amplitude-Only Direction Finding. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 385-388.	4.0	10
41	Ultra-Wideband Lossless Cavity-Backed Vivaldi Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 115-124.	5.1	30
42	A Compact Ultrawideband Reflector Antenna: Using a Wide-Band Omnidirectional Antenna with a Mechanically Steerable Endfire Beam to Illuminate a Half-Cut Paraboloid Reflector. IEEE Antennas and Propagation Magazine, 2018, 60, 75-86.	1.4	6
43	Performance Characterization of Four-Arm MAW Spiral Antennas for Digital Direction-of-Arrival Sensing. IEEE Transactions on Antennas and Propagation, 2018, 66, 2761-2769.	5.1	5
44	Broadband Reflector Antenna With High Isolation Feed for Full-Duplex Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 2281-2290.	5.1	18
45	Radome Enhancement Technique for High-Power Wideband Millimeter Wave Antennas. , 2018, , .		1
46	On the Design of Wideband Monostatic STAR Systems With Spherically Stratified Lenses. , 2018, , .		2
47	A W-Band Curved Aperture Horn Antenna with Consistent Radiation Patterns. , 2018, , .		1
48	Iterative Phase Correction Technique for Design of Non-Conventional Reflectarray Antennas. , 2018, , .		0
49	Isolation Improvement of Cylindrical Millimeter-Wave Repeaters Using a Reactive Impedance Surface. , 2018, , .		0
50	W-band Amplitude-only Direction Finding with Curved-Aperture Horn Antennas. , 2018, , .		0
51	Wideband Bi-static Offset-Fed Reflector Simultaneous Transmit And Receive Antenna System. , 2018, , .		0
52	High Isolation Diplexer-Free Dual-Polarized Array for Geostationary Satellites. , 2018, , .		1
53	Antenna Decoupling with a 3D Printed Tapered Ribbed Structure. , 2018, , .		0
54	Broadband Full-Duplex Monostatic Circular-Antenna Arrays: Circular Arrays Reaching Simultaneous Transmit and Receive Operation. IEEE Antennas and Propagation Magazine, 2018, 60, 62-77.	1.4	19

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55	Millimeter-Wave Double-Ridge Waveguide and Components. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-11.	4.6	9
56	Design of broadband Luneburg lens feed manifold. , 2018, , .		0
57	Enabling Passive Components for High-Power Wideband Millimeter Wave Repeater Applications. , 2018, , .		0
58	Impact of flat radomes on amplitude-only direction finding performance. , 2018, , .		2
59	Multioctave antenna array for simultaneous transmit and receive applications. , 2018, , .		0
60	Reduction of coupling between flush-mounted antennas. , 2018, , .		0
61	Even-arm modulated arm width spiral properties. , 2018, , .		0
62	Wideband Multimode Monostatic Spiral Antenna STAR Subsystem. IEEE Transactions on Antennas and Propagation, 2017, 65, 1845-1854.	5.1	27
63	Electrothermal Design of Bidirectional Wide-Boom Log-Periodic Antennas. IEEE Transactions on Antennas and Propagation, 2017, 65, 1661-1669.	5.1	8
64	Ultrawideband Flush-Mounted Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1973-1976.	4.0	3
65	Wideband Antenna Array for Simultaneous Transmit and Receive (STAR) Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1277-1280.	4.0	30
66	Design of circular dual and quad ridge horn antennas for millimeter wave applications. , 2017, , .		4
67	Ultrawideband TEM Horn Circular Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 1374-1379.	5.1	8
68	Full duplex antenna subsystem for handheld radios. , 2017, , .		2
69	A reactive impedance surface for enhancing antenna isolation on cylindrical platforms. , 2017, , .		2
70	Monostatic Co-Polarized Full-Duplex Antenna With Left- or Right-Hand Circular Polarization. IEEE Transactions on Antennas and Propagation, 2017, 65, 5103-5111.	5.1	60
71	Wideband Decoupling Techniques for Dual-Polarized Bi-Static Simultaneous Transmit and Receive Antenna Subsystem. IEEE Transactions on Antennas and Propagation, 2017, 65, 4991-5001.	5.1	39
72	Simultaneous transmit and receive reflectarray antennas on low cost UAV platforms. , 2017, , .		6

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73	45° 110 GHz Quad-Ridge Horn With Stable Gain and Symmetric Beam. IEEE Transactions on Antennas and Propagation, 2017, 65, 4858-4863.	5.1	24
74	Eigenmode Prediction of High RF Exposure Frequency Region Inside Vehicles. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 43-47.	2.2	4
75	Wideband amplitude-only direction finding subsystem with conical spirals. , 2017, , .		0
76	On the use of radome materials for a high-power, wideband, millimeter wave antenna. , 2017, , .		3
77	3-Arm spiral antennas for direction finding applications. , 2017, , .		0
78	Wide bandwidth cavity-backed dual-polarized vivaldi array antenna. , 2017, , .		2
79	On the design and fabrication of Wideband stabilised pattern dual polarised horn antennas with DMLS and CNC. IET Microwaves, Antennas and Propagation, 2017, 11, 1930-1935.	1.4	20
80	Assembly strategies for millimeter wave horn antennas. , 2017, , .		0
81	Transient linear TEM horn array. IET Microwaves, Antennas and Propagation, 2017, 11, 2134-2140.	1.4	2
82	Single and dual-polarized wideband simultaneous transmit and receive antenna system. , 2017, , .		14
83	Broadband monostatic simultaneous transmit and receive reflector antenna system. , 2017, , .		5
84	A spiral antenna for amplitude-only direction finding. , 2017, , .		3
85	4° 40 GHz conical spiral antenna recessed in a cavity. , 2017, , .		2
86	Circularly polarized pifa array for simultaneous transmit and receive applications. , 2017, , .		6
87	Electro-mechanical analysis of flat radomes for airborne antennas at K/Ka/V-band. , 2017, , .		1
88	Low-Profile Two-Arm Inverted-L Antenna Design for Vehicular HF Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 5710-5719.	5.1	13
89	Feed study for a wideband 18 to 45 GHz luneburg lens antenna. , 2017, , .		0
90	On the effects of parasitic horns within tightly packed concave linear arrangements. , 2017, , .		0

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91	Wide bandwidth and beamwidth flush-mountable planar and pyramidal log-periodic antennas. , 2017, , .		0
92	3D printed Rotman lens. , 2017, , .		9
93	Improvement of MAW spiral measurements by filtering spherical modes in the far field. , 2017, , .		0
94	Multi-layer dielectric rod antenna with stable patterns over decade bandwidth. , 2017, , .		2
95	Comparative study of dual-linear versus dual-circular horns for 18 to 45 GHz repeaters. , 2017, , .		2
96	A Phase Center-Stabilized K/Ka/V-Band Linearly Polarized Horn for Luneburg Lenses. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2726-2729.	4.0	17
97	Design of MAW spiral antennas for direction-of-arrival sensing using the cramr-rao bound. , 2017, , .		0
98	Wideband monostatic spiral array for full-duplex applications. , 2017, , .		3
99	Passive approaches for improvement of TX to RX antenna isolation in millimeter wave repeaters. , 2017, , .		6
100	Design of Wideband Combined Annular Slot-Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4138-4143.	5.1	13
101	Electrically small half-loop for wideband HF on-the-move operation. , 2016, , .		2
102	Modeling and design of K/Ka/V-band high power feed for the Luneburg lens. , 2016, , .		2
103	Miniaturization of a high-frequency dual linearly polarized dipole for vehicular communications. , 2016, , .		4
104	Design of small loop antennas for on-the-move HF manpack radios. , 2016, , .		1
105	45-110 GHz quad-ridge horn antenna. , 2016, , .		3
106	Flush-mountable Vivaldi array antenna. , 2016, , .		4
107	On wideband simultaneous transmit and receive (STAR) with a single aperture. , 2016, , .		4
108	Gain and H-plane beamwidth stabilized millimeter wave horn antenna. , 2016, , .		0

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109	Realization of ultra-wideband bistatic simultaneous transmit and receive antenna system. , 2016, , .		7
110	Numerical and experimental electro-thermal characterization of log-periodic antennas. , 2016, , .		4
111	Wideband dual-mode monostatic simultaneous transmit and receive antenna system. , 2016, , .		7
112	Wideband simultaneous transmit and receive (STAR) circular array system. , 2016, , .		10
113	Design of a linearly polarized K/Ka/V-band high power feed manifold for Luneburg lens. , 2016, , .		1
114	On the design of millimeter-wave antennas for amplitude-only direction finding. , 2016, , .		6
115	On the Design of Vehicular Electrically Small Antennas for NVIS Communications. IEEE Transactions on Antennas and Propagation, 2016, 64, 2136-2145.	5.1	22
116	Tuning an electrically small on-the-move HF half-loop antenna. , 2016, , .		2
117	Cavity-backed Vivaldi array antenna. , 2016, , .		3
118	Low profile wideband inverted-L antenna for the M-ATV on-the-move HF communication. , 2016, , .		0
119	Flush mountable K/Ka band amplitude only direction finding system. , 2016, , .		4
120	Amplitude-only direction finding using squinted stabilized-pattern horn antennas in W-band. , 2016, , .		4
121	Wideband dual-polarized bi-static simultaneous transmit and receive antenna system. , 2016, , .		9
122	A wide-band spiral based amplitude-only Azimuth direction finding system. , 2016, , .		5
123	Low profile vehicular antenna for wideband high frequency communications. , 2016, , .		3
124	Design and Fabrication of a Full W-Band Multi-Step Waveguide 90° Twist. IEEE Microwave and Wireless Components Letters, 2016, 26, 903-905.	3.2	28
125	Miniaturization of TEM Horn Using Spherical Modes Engineering. IEEE Transactions on Antennas and Propagation, 2016, 64, 5064-5073.	5.1	21
126	Impact of a PEC cylinder on the performance of a wideband dual-polarized quad-ridge horn antenna. , 2016, , .		0

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127	Wide-Band High-Frequency Antennas for Military Vehicles: Design and testing low-profile half-loop, inverted-L, and umbrella NVIS antennas. IEEE Antennas and Propagation Magazine, 2016, 58, 64-74.	1.4	11
128	Isolation of millimeter wave antennas over cylindrical and rectangular ground planes. , 2016, , .		0
129	Design of a cavity backed 15:1 bandwidth two arm spiral helix antenna. , 2016, , .		3
130	Wideband Monostatic Simultaneous Transmit and Receive (STAR) Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 6-15.	5.1	85
131	A dipole antenna system for simultaneous transmit and receive. , 2015, , .		10
132	Capacitively loaded high frequency monopole antenna for vehicular communications. , 2015, , .		1
133	Two arm offset fed inverted-L antenna for vehicular HF communications. , 2015, , .		2
134	Wideband simultaneous transmit and receive (STAR) bi-layer circular array. , 2015, , .		7
135	Multi-octave cavity-backed four-arm slot spiral for multi-mode operation. , 2015, , .		0
136	Wideband, loaded, low profile, small diameter monocone antenna. , 2015, , .		1
137	Ultra-wideband circularly-polarized simultaneous transmit and receive (STAR) antenna system. , 2015, , .		5
138	Design of matching network for HF vehicular antennas. , 2015, , .		0
139	Omnidirectional/directional TEM horn circular array for joint time and frequency operation. , 2015, , .		1
140	Evaluation of Vehicle Bottom for the Placement of HF-VHF Antennas. IEEE Transactions on Antennas and Propagation, 2015, 63, 776-781.	5.1	1
141	Effects of lossless cavity-backing on power spiral antenna in time-domain. Microwave and Optical Technology Letters, 2015, 57, 677-681.	1.4	1
142	Design of a Wideband Millimeter Wave Micromachined Rotman Lens. IEEE Transactions on Antennas and Propagation, 2015, 63, 2790-2796.	5.1	29
143	Low-Profile Tri-band Inverted-F Antenna for Vehicular Applications in HF and VHF Bands. IEEE Transactions on Antennas and Propagation, 2015, 63, 4632-4639.	5.1	23
144	A UWB cavity-backed compound Power-Archimedean slot spiral for body centric wireless communications applications. , 2015, , .		0

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145	Improved Efficiency Lens-Loaded Cavity-Backed Transmit Sinuous Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 6000-6009.	5.1	13
146	Integrated passive front-ends for towed decoys. , 2014, , .		3
147	Failure mechanisms of spiral-helix antenna under high power conditions. , 2014, , .		1
148	All-PCB transmission line with low loss and dispersion up to Ka band. , 2014, , .		3
149	The comparison of mounting approaches for vehicular multi-arm spiral antennas. , 2014, , .		0
150	Wideband Millimeter-Wave Surface Micromachined Tapered Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 285-288.	4.0	13
151	RF exposure inside and outside vehicles. , 2014, , .		5
152	Combined dipole-multiturn loop for vehicle-based high-frequency (HF) communications. , 2014, , .		0
153	Application of characteristic mode analysis to HF low profile vehicular antennas. , 2014, , .		10
154	Vehicle mounted inverted-L antenna for high-frequency (HF) communications. , 2014, , .		2
155	A low-profile sinuous antenna. , 2014, , .		5
156	Wideband multibeam millimeter wave arrays. , 2014, , .		3
157	Computational study of electromagnetic exposure of military personnel in a humvee. , 2014, , .		2
158	Ground effects on the performance of a two-element dipole array designed for NVIS communications. , 2014, , .		0
159	Joint frequency- and time-domain characterization of planar log-periodic antennas. , 2014, , .		2
160	Reduced-size TEM horn for short-pulse high-power electromagnetic systems. , 2014, , .		5
161	Micro-Coaxial Fed 18 to 110 GHz Planar Log-Periodic Antennas With RF Transitions. IEEE Transactions on Antennas and Propagation, 2014, 62, 968-972.	5.1	6
162	Quasi Frequency-Independent Increased Bandwidth Planar Log-Periodic Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 1937-1944.	5.1	17

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163	Ultra-wideband spiral-helix antenna array. , 2014, , .		1
164	High efficiency cavity-backed log-periodic antenna. , 2014, , .		1
165	Reduced Size Planar Dual-Polarized Log-Periodic Antenna for Bidirectional High Power Transmit and Receive Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 5453-5461.	5.1	15
166	Simply-Fed Four-Arm Spiral-Helix Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 4864-4868.	5.1	13
167	PCB-Based Prototyping of 3-D Micromachined RF Subsystems. IEEE Transactions on Antennas and Propagation, 2014, 62, 420-429.	5.1	15
168	Antenna design for improving shielding effectiveness of a Humvee. , 2014, , .		1
169	Wideband Pattern Nulling With Multiarmed Spiral Antennas. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 864-867.	4.0	8
170	Decade bandwidth bidirectional planar log-periodic antennas and their performance under low and high continuous-wave (CW) input power. , 2013, , .		0
171	On the Frequency-Independent Modes of a Four-Arm Modulated Arm Width Spiral. IEEE Transactions on Antennas and Propagation, 2013, 61, 4467-4475.	5.1	6
172	Parameter study and design of W-band micromachined tapered slot antenna. , 2013, , .		0
173	Time and frequency domain analysis and design of circularly-polarized spiral antenna arrays. , 2013, , .		4
174	Characterization of fields in the proximity of vehicle mounted sources over the real ground. , 2013, , .		0
175	Quasi-frequency-independent combined antenna with dual-circularly polarized capability. , 2013, , .		1
176	Ultra-wideband dual-circularly polarized array with simple cost-effective feeding network. , 2013, , .		1
177	Simple and low-cost wideband omnidirectional antenna on metallic cylinders. , 2013, , .		0
178	Computational design of a gain-stabilized 2.5∶1 bandwidth ridged horn antenna. , 2013, , .		4
179	On the use of spiral antenna arrays for short-pulse ultra-wideband applications. , 2013, , .		3
180	Performance of two linearly-polarized broadband horns on a small circular platform. , 2012, , .		0

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181	V-band monolithically integrated four-arm spiral antenna and beamforming network. , 2012, , .		5
182	Quasi-frequency independent high power sinuous antenna. , 2012, , .		2
183	5∶1 wideband high-power spiral-helix antenna. , 2012, , .		1
184	Monolithically integrated K/Ka array-based direction finding subsystem. , 2012, , .		4
185	Effect of spiral antennas pulse distortion on the performance of ultra-wideband impulse radio systems. , 2012, , .		0
186	Two-arm power-spiral antennas. , 2012, , .		0
187	Surface Micromachined Millimeter-Wave Log-Periodic Dipole Array Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 4573-4581.	5.1	18
188	Biconical Antenna Over Ground Plane. IEEE Transactions on Antennas and Propagation, 2012, 60, 2093-2096.	5.1	3
189	On the use of spiral antennas in ultra-wideband communication links. , 2012, , .		1
190	Dual-polarized K/Ka-band planar log-periodic antenna. , 2012, , .		5
191	Four-Armed Spiral-Helix Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 338-341.	4.0	19
192	Frequency- and Time-Domain Performance of Four-Arm Mode-2 Spiral Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 2627-2634.	5.1	9
193	Wideband 15–50GHz symmetric multi-section coupled line quadrature hybrid based on surface micromachining technology. , 2012, , .		0
194	Wideband 18–40 GHz Surface Micromachined Branchline Quadrature Hybrid. IEEE Microwave and Wireless Components Letters, 2012, 22, 462-464.	3.2	15
195	Single-layer and bilayer four-arm mode 1 spiral antennas and their feed structures. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 652-662.	1.2	7
196	Nanofibers for RF and Beyond. IEEE Microwave Magazine, 2011, 12, 51-61.	0.8	13
197	Pattern Purity of Coiled-Arm Spiral Antennas. IEEE Transactions on Antennas and Propagation, 2011, 59, 758-766.	5.1	6
198	Pulse Distortion and Mitigation Thereof in Spiral Antenna-Based UWB Communication Systems. IEEE Transactions on Antennas and Propagation, 2011, 59, 3863-3871.	5.1	22

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199	High-Frequency Characterization of Contact Resistance and Conductivity of Platinum Nanowires. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2647-2654.	4.6	6
200	Nanoscale Optical Dielectric Rod Antenna for On-Chip Interconnecting Networks. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2624-2632.	4.6	17
201	Mode 2 four-arm spiral antennas as pulse radiators. , 2011, , .		0
202	Nanometric polymer coatings for silicon on insulator circuits. , 2010, , .		0
203	High frequency characterization of a Schottky contact to a GaN nanowire bundle. Journal of Applied Physics, 2010, 107, .	2.5	16
204	Micro-coaxial Ka-band Gysel power dividers. Microwave and Optical Technology Letters, 2010, 52, 474-478.	1.4	14
205	Characterization of pulse distortion and dispersion of spiral antennas. , 2010, , .		1
206	Full-wave evaluation of carbon nanotubes as microwave interconnects. , 2010, , .		1
207	Optical dielectric rod antenna for on-chip communications. , 2010, , .		0
208	On-Chip Wireless Optical Broadcast Interconnection Network. Journal of Lightwave Technology, 2010, , .	4.6	6
209	Global On-Chip Coordination at Light Speed. IEEE Design and Test of Computers, 2010, 27, 54-67.	1.0	19
210	Band Rejection Methods for Planar Log-Periodic Antennas. IEEE Transactions on Antennas and Propagation, 2010, 58, 2288-2294.	5.1	7
211	Modulated Arm Width (MAW) Spiral: Theory, Modeling, Design and Measurements. IEEE Transactions on Antennas and Propagation, 2010, 58, 3515-3523.	5.1	9
212	Dual wideband monolithically integrated millimeter-wave passive front-end sub-systems. , 2010, , .		2
213	Modeling and metrology of metallic nanowires with application to microwave interconnects. , 2010, , .		5
214	Design of a K- thru Ka-band modified Butler matrix feed for a 4-arm spiral antenna. , 2010, , .		5
215	A Monocone-Bicone Collinear Array. IEEE Transactions on Antennas and Propagation, 2010, 58, 3905-3912.	5.1	6
216	A Framework for Broadband Characterization of Individual Nanowires. IEEE Microwave and Wireless Components Letters, 2010, 20, 178-180.	3.2	23

#	ARTICLE	IF	CITATIONS
217	Multi-functional broadband arrays for UHF through S-band electronic warfare. , 2010, , .		2
218	Broadband measurements of nanofiber devices: Repeatability and random error analysis. , 2010, , .		1
219	Adaptive pattern nulling method for multi-armed spiral antennas. , 2010, , .		0
220	A Wideband Patch Antenna With Dual-Cylindrical Probe Feed. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1321-1324.	4.0	4
221	A 3-D micromachined W-band cavity-backed patch antenna array with integrated rectacoax transition to waveguide. , 2009, , .		9
222	A high-performance low-power nanophotonic on-chip network. , 2009, , .		7
223	Monolithically Integrated Corporate-Fed Cavity-Backed Antennas. IEEE Transactions on Antennas and Propagation, 2009, 57, 2583-2590.	5.1	5
224	Micro-coaxial lines for active hybrid-monolithic circuits. , 2009, , .		12
225	Wideband analog and digital beamforming. , 2009, , .		7
226	Monolithic Rectangular Coaxial Lines and Resonators With Embedded Dielectric Support. IEEE Microwave and Wireless Components Letters, 2008, 18, 740-742.	3.2	21
227	Two-Arm Sinuous Antennas. IEEE Transactions on Antennas and Propagation, 2008, 56, 1229-1235.	5.1	19
228	Ultra-Wideband Bandpass Filters Using Quarter-Wave Short-Circuited Shunt Stubs and Quarter-Wave Series Transformers. IEEE Microwave and Wireless Components Letters, 2008, 18, 668-670.	3.2	31
229	On the Bandwidth of Monocone Antennas. IEEE Transactions on Antennas and Propagation, 2008, 56, 1196-1201.	5.1	28
230	Dual-wideband log-periodic antennas. , 2008, , .		5
231	Micro-fabricated micro-coaxial millimeter-wave components. , 2008, , .		5
232	Fixed-beam L-band array for space-based platforms. , 2008, , .		1
233	Miniature 3D micro-machined solid state power amplifiers. , 2008, , .		3
234	Electromagnetic modeling of carbon nanotube interconnects. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
235	Analysis and Design of Monolithic Rectangular Coaxial Lines for Minimum Coupling. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2521-2530.	4.6	13
236	Surface-Micromachined Dual Ka-Band Cavity Backed Patch Antenna. IEEE Transactions on Antennas and Propagation, 2007, 55, 2107-2110.	5.1	21
237	Integrated cavity-backed ka-band phased array antenna. , 2007, , .		8
238	Modeling, design, fabrication, and performance of bi-layer, mode 2, four-arm, cavity-backed, vertically fed, spiral antennas. , 2007, , .		0
239	\$Ka\$-Band Miniaturized Quasi-Planar High-\$Q\$ Resonators. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1272-1279.	4.6	18
240	Design and optimization of RF ICs with embedded linear macromodels of multiport MEMS devices. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 196-209.	1.2	2
241	Modeling of 3-D Surface Roughness Effects With Application to μ -Coaxial Lines. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 518-525.	4.6	45
242	Artificial neural network modeling of RF MEMS resonators. International Journal of RF and Microwave Computer-Aided Engineering, 2004, 14, 302-316.	1.2	15
243	Hybrid Finite Element Methods for Array and FSS Analysis Using Multiresolution Elements and Fast Integral Techniques. Electromagnetics, 2002, 22, 297-313.	0.7	10
244	Spiral Antennas. , 0, , .		5