

Francisco J Ares-Pena

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143
papers

2,013
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h-index

39
g-index

160
ext. papers

2,381
ext. citations

2.2
avg, IF

4.47
L-index

#	Paper	IF	Citations
143	Genetic algorithms in the design and optimization of antenna array patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 1999 , 47, 506-510	4.9	248
142	Optimizing uniformly excited linear arrays through time modulation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 298-301	3.8	178
141	. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1799-1804	4.9	134
140	Subarray weighting for the difference patterns of monopulse antennas: joint optimization of subarray configurations and weights. <i>IEEE Transactions on Antennas and Propagation</i> , 2001 , 49, 1606-1608	4.9	83
139	Pattern synthesis of conformal arrays by the simulated annealing technique. <i>Electronics Letters</i> , 1997 , 33, 1187	1.1	78
138	Application of time modulation in the synthesis of sum and difference patterns by using linear arrays. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 829-832	1.2	72
137	Multiple-pattern linear antenna arrays with single prefixed amplitude distributions: modified Woodward-Lawson synthesis. <i>Electronics Letters</i> , 2000 , 36, 1345	1.1	63
136	Genetic algorithm procedure for linear array failure correction. <i>Electronics Letters</i> , 2000 , 36, 196	1.1	44
135	Rapid method for finding faulty elements in antenna arrays using far field pattern samples. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1679-1683	4.9	33
134	Application of genetic algorithms and simulated annealing technique in optimising the aperture distributions of antenna array patterns. <i>Electronics Letters</i> , 1996 , 32, 148	1.1	32
133	. <i>IEEE Transactions on Antennas and Propagation</i> , 1994 , 42, 1509-1514	4.9	31
132	Element failure detection in linear antenna arrays using case-based reasoning. <i>IEEE Antennas and Propagation Magazine</i> , 2008 , 50, 198-204	1.7	30
131	Design of phase-differentiated multiple-pattern antenna arrays. <i>Microwave and Optical Technology Letters</i> , 2000 , 26, 52-53	1.2	30
130	Optimal compromise among sum and difference patterns. <i>Journal of Electromagnetic Waves and Applications</i> , 1996 , 10, 1543-1555	1.3	30
129	Synthesising Taylor and Bayliss linear distributions with common aperture tail. <i>Electronics Letters</i> , 2009 , 45, 18	1.1	27
128	A study of neurotoxic biomarkers, c-fos and GFAP after acute exposure to GSM radiation at 900 MHz in the picrotoxin model of rat brains. <i>NeuroToxicology</i> , 2011 , 32, 478-94	4.4	26
127	Shaped Power Patterns Produced By Equispaced Linear Arrays: Optimized Synthesis Using Orthogonal $\sin(Nx)/\sin(x)$ Beams. <i>Journal of Electromagnetic Waves and Applications</i> , 1999 , 13, 985-992	1.3	26

126	GSM radiation triggers seizures and increases cerebral c-Fos positivity in rats pretreated with subconvulsive doses of picrotoxin. <i>Neuroscience Letters</i> , 2006 , 398, 139-44	3.3	25
125	The action of pulse-modulated GSM radiation increases regional changes in brain activity and c-Fos expression in cortical and subcortical areas in a rat model of picrotoxin-induced seizure proneness. <i>Journal of Neuroscience Research</i> , 2009 , 87, 1484-99	4.4	23
124	Pattern synthesis of array antennas with additional isolation of near field arbitrary objects. <i>Electronics Letters</i> , 1998 , 34, 1540	1.1	22
123	EXPOSURE TO 2.45 GHz MICROWAVE RADIATION PROVOKES CEREBRAL CHANGES IN INDUCTION OF HSP-90 α / β HEAT SHOCK PROTEIN IN RAT.. <i>Progress in Electromagnetics Research</i> , 2010 , 100, 351-379 ^{3.8}	3.8	21
122	Fast Array Thinning using Global Optimization Methods. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 2259-2271	1.3	20
121	Optimization of the Performance of Arrays With Failed Elements Using the Simulated Annealing Technique. <i>Journal of Electromagnetic Waves and Applications</i> , 1998 , 12, 1625-1638	1.3	20
120	. <i>IEEE Transactions on Antennas and Propagation</i> , 2002 , 50, 1555-1559	4.9	20
119	Optimal Compromise Among Sum and Difference Patterns in Monopulse Antennas: Use of Subarrays and Distributions with Common Aperture Tail. <i>Journal of Electromagnetic Waves and Applications</i> , 2009 , 23, 2301-2311	1.3	19
118	Pencil-beam pattern synthesis with a uniformly excited multi-ring planar antenna. <i>IEEE Antennas and Propagation Magazine</i> , 2000 , 42, 70-74	1.7	19
117	Two-pattern linear array antenna: synthesis and analysis of tolerance. <i>IET Microwaves Antennas and Propagation</i> , 2004 , 151, 127		18
116	Matrix pseudo-inversion technique for diagnostics of planar arrays. <i>Electronics Letters</i> , 2005 , 41, 7	1.1	18
115	Synthesis of Satellite Footprints By Perturbation of Woodward-Lawson Solutions for Planar Array Antennas. <i>Journal of Electromagnetic Waves and Applications</i> , 2000 , 14, 3-10	1.3	18
114	Pattern synthesis of array antennas with arbitrary elements by simulated annealing and adaptive array theory. <i>Microwave and Optical Technology Letters</i> , 1999 , 20, 48-50	1.2	18
113	Electromagnetic fields at 2.45 GHz trigger changes in heat shock proteins 90 and 70 without altering apoptotic activity in rat thyroid gland. <i>Biology Open</i> , 2012 , 1, 831-8	2.2	16
112	A SIMPLE ALTERNATIVE FOR BEAM RECONFIGURATION OF ARRAY ANTENNAS. <i>Progress in Electromagnetics Research</i> , 2008 , 88, 227-240	3.8	16
111	EMF radiation at 2450 MHz triggers changes in the morphology and expression of heat shock proteins and glucocorticoid receptors in rat thymus. <i>Life Sciences</i> , 2015 , 127, 1-11	6.8	15
110	Synthesis of Very Large Planar Arrays for Prescribed Footprint Illumination. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 584-589	4.9	15
109	Synthesis of planar arrays with arbitrary geometry generating arbitrary footprint patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 2484-2488	4.9	14

108	Beam reconfiguration of linear arrays using parasitic elements. <i>Electronics Letters</i> , 2006 , 42, 131	1.1	13
107	Planar arrays with square lattices and circular boundaries: sum patterns from distributions with uniform, amplitude or very low dynamic-range ratio. <i>IEEE Antennas and Propagation Magazine</i> , 2001 , 43, 90-93	1.7	13
106	Synthesis of Array Radiation Pattern Footprints Using Radial Stretching, Fourier Analysis, and Hankel Transformation. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2106-2109	4.9	12
105	Effects of Cell-Phone Radiation on the Electroencephalographic Spectra of Epileptic Patients [Telecommunications Health & Safety]. <i>IEEE Antennas and Propagation Magazine</i> , 2010 , 52, 173-179	1.7	12
104	Recalculating Linear Array Antennas To Compensate for Failed Elements While Maintaining Fixed Nulls. <i>Journal of Electromagnetic Waves and Applications</i> , 1999 , 13, 397-412	1.3	12
103	Synthesis of antenna patterns of circular arc arrays. <i>Electronics Letters</i> , 1996 , 32, 1845	1.1	12
102	Synthesis of shaped line-source antenna beams using pure real distributions. <i>Electronics Letters</i> , 1994 , 30, 280-281	1.1	12
101	Synthesis of Taylor-Like Patterns With Uniformly Excited Multi-Ring Planar Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1589-1595	4.9	11
100	Avoiding interference in planar arrays through the use of artificial neural networks. <i>IEEE Antennas and Propagation Magazine</i> , 2002 , 44, 61-65	1.7	11
99	Optimization of aperture distributions for difference patterns. <i>Journal of Electromagnetic Waves and Applications</i> , 1996 , 10, 383-402	1.3	11
98	Optimization of Aperture Distributions for Sum patterns. <i>Electromagnetics</i> , 1996 , 16, 129-143	0.8	11
97	Optimised synthesis of shaped line-source antenna beams. <i>Electronics Letters</i> , 1993 , 29, 1136	1.1	11
96	Evidence of cellular stress and caspase-3 resulting from a combined two-frequency signal in the cerebrum and cerebellum of sprague-dawley rats. <i>Oncotarget</i> , 2016 , 7, 64674-64689	3.3	11
95	The effects of single and repeated exposure to 2.45 GHz radiofrequency fields on c-Fos protein expression in the paraventricular nucleus of rat hypothalamus. <i>Neurochemical Research</i> , 2011 , 36, 2322-2326	4.6	10
94	Linear array pattern synthesis with minimum sidelobe level and null control. <i>Microwave and Optical Technology Letters</i> , 1997 , 16, 322-325	1.2	10
93	AN EXPERIMENTAL SET-UP FOR MEASUREMENT OF THE POWER ABSORBED FROM 900 MHZ GSM STANDING WAVES BY SMALL ANIMALS, ILLUSTRATED BY APPLICATION TO PICROTOXIN-TREATED RATS. <i>Progress in Electromagnetics Research</i> , 2008 , 87, 149-165	3.8	10
92	Analysis, synthesis, and diagnostics of antenna arrays through complex-valued neural networks. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1512-1515	1.2	10
91	New Toroidal Beam Antennas for WLAN Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 389-398	4.9	10

90	Optimization of array boundaries for arbitrary footprint patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 635-637	4.9	10
89	Arbitrary Footprints from Arrays with Concentric Ring Geometry and Low Dynamic Range Ratio. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 1795-1806	1.3	9
88	Extension of the Orchard-Elliott synthesis method to pure-real nonsymmetrical-shaped patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 1997 , 45, 1317-1318	4.9	9
87	Arbitrary footprint patterns obtained by circular apertures. <i>Electronics Letters</i> , 2004 , 40, 1565	1.1	9
86	Arbitrary footprint patterns from planar arrays with complex excitations. <i>Electronics Letters</i> , 2000 , 36, 1678	1.1	9
85	Exposure to radiation from single or combined radio frequencies provokes macrophage dysfunction in the RAW 264.7 cell line. <i>International Journal of Radiation Biology</i> , 2018 , 94, 607-618	2.9	8
84	Synthesis of multiple-pattern planar antenna arrays with single prefixed or jointly optimized amplitude distributions. <i>Microwave and Optical Technology Letters</i> , 2002 , 32, 74-78	1.2	8
83	Low-sidelobe patterns from linear and planar arrays with uniform excitations except for phases of a small number of elements. <i>Electronics Letters</i> , 2001 , 37, 1495	1.1	8
82	Radiation Pattern Synthesis for Conformal Antenna Arrays. <i>Journal of Electromagnetic Waves and Applications</i> , 2000 , 14, 473-492	1.3	8
81	Phase-only synthesis of continuous linear aperture distribution patterns with asymmetric side lobes. <i>Electronics Letters</i> , 1998 , 34, 1916	1.1	8
80	Optimal Compromise Between Sum and Difference Patterns While Fixing Quasi-Nulls in Both. <i>Journal of Electromagnetic Waves and Applications</i> , 1999 , 13, 655-664	1.3	8
79	Shaped beams from circular apertures and arrays with uniform amplitude. <i>Electronics Letters</i> , 2000 , 36, 1180	1.1	8
78	AN EXPERIMENTAL MULTI-FREQUENCY SYSTEM FOR STUDYING DOSIMETRY AND ACUTE EFFECTS ON CELL AND NUCLEAR MORPHOLOGY IN RAT TISSUES. <i>Progress in Electromagnetics Research</i> , 2012 , 129, 541-558	3.8	7
77	PENCIL BEAM PATTERNS OBTAINED BY PLANAR ARRAYS OF PARASITIC DIPOLES FED BY ONLY ONE ACTIVE ELEMENT. <i>Progress in Electromagnetics Research</i> , 2010 , 103, 419-431	3.8	7
76	High-performance uniformly excited linear and planar arrays based on linear semiarrays composed of subarrays with different uniform spacings. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 4002-4006	4.9	7
75	Low-Sidelobe Patterns From Small, Low-Loss Uniformly Fed Linear Arrays Illuminating Parasitic Dipoles. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1584-1586	4.9	7
74	Satellite communication with moving vehicles on earth: Two prototype circular array antennas. <i>Microwave and Optical Technology Letters</i> , 2003 , 39, 14-16	1.2	7
73	Low sidelobe level in almost uniformly excited array. <i>Electronics Letters</i> , 2000 , 36, 1991	1.1	7

72	Exposure to non-ionizing radiation provokes changes in rat thyroid morphology and expression of HSP-90. <i>Experimental Biology and Medicine</i> , 2015 , 240, 1123-35	3.7	6
71	Synthesis of shaped beam antenna patterns with null-filling in the sidelobe region. <i>Electronics Letters</i> , 1997 , 33, 2004	1.1	6
70	Synthesis of non--symmetric patterns from circular arrays. <i>Electronics Letters</i> , 2002 , 38, 1631	1.1	6
69	Radiofrequency at 2.45GHz increases toxicity, pro-inflammatory and pre-apoptotic activity caused by black carbon in the RAW 264.7 macrophage cell line. <i>Science of the Total Environment</i> , 2021 , 765, 142681	10.2	6
68	Design of Reconfigurable Array Antennas With Minimum Variation of Active Impedances. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2006 , 5, 541-544	3.8	5
67	A comparison of optimization techniques for power patterns with low sidelobes generated by linear arrays with efficient excitation distributions. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 57-60	1.2	5
66	Validation of Potential Effects on Human Health of in Vivo Experimental Models Studied in Rats Exposed to Sub-Thermal Radiofrequency. Possible Health Risks Due to the Interaction of Electromagnetic Pollution and Environmental Particles. <i>IEEE Access</i> , 2019 , 7, 79186-79198	3.5	4
65	Pencil Beams and Flat-Topped Beams with Asymmetric Sidelobes from Circular Arrays [Antenna Designer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2014 , 56, 153-161	1.7	4
64	A WiMAX Conformal Broad-Beam Antenna [Antenna Designer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2010 , 52, 106-109	1.7	4
63	Shaped-Pattern Synthesis by Spreading Out Collapsed Distributions. <i>IEEE Antennas and Propagation Magazine</i> , 2010 , 52, 110-114	1.7	4
62	Extension of Orchard's Pattern Synthesis Technique for Overdetermined Systems. <i>Electromagnetics</i> , 1997 , 17, 15-23	0.8	4
61	Efficient footprint patterns obtained by spreading out collapsed distributions. <i>Microwave and Optical Technology Letters</i> , 1997 , 14, 108-111	1.2	4
60	Asymmetric-shaped beam patterns from a continuous linear aperture distribution. <i>Microwave and Optical Technology Letters</i> , 1997 , 15, 288-291	1.2	4
59	Very fast method to synthesise conformal arrays. <i>Electronics Letters</i> , 2007 , 43, 856	1.1	4
58	Quasi-Analytical Synthesis of Moderate and Large Arrays Radiating Arbitrary "Star-Shaped" Footprint Patterns [Antenna Designer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2007 , 49, 105-112	1.7	4
57	Optimal Synthesis Of Circular Apertures Based On Ludwig Distributions. <i>Electromagnetics</i> , 2003 , 23, 41-53	3.8	4
56	Phase-only synthesis of non-/spl phi/-symmetric patterns for reflectarray antennas with circular boundary. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 246-248	3.8	4
55	Visualizing the 3D polar power patterns and excitations of planar arrays with Matlab. <i>IEEE Antennas and Propagation Magazine</i> , 2004 , 46, 108-112	1.7	4

54	A note on the limitations of Orchard's method. <i>IEEE Antennas and Propagation Magazine</i> , 2002 , 44, 109	1.7	4
53	Smooth, efficient real amplitude distributions with no edge brightening for linear and circular near-Taylor sum patterns. <i>Electronics Letters</i> , 1998 , 34, 611	1.1	4
52	Antenna array pattern synthesis in the presence of near-zone scatterers: Two-dimensional scalar case. <i>Microwave and Optical Technology Letters</i> , 1999 , 21, 275-277	1.2	4
51	Phase-Only Null Fixing in Equispaced Linear Arrays Using Roots Searching. <i>Journal of Electromagnetic Waves and Applications</i> , 1999 , 13, 1569-1578	1.3	4
50	Design of Polyimide-Coated Yagi-Uda Antennas for Monitoring the Relative Humidity Level. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 961-963	4.1	3
49	Rapid method for obtaining footprint patterns for very large antenna arrays. <i>Electronics Letters</i> , 2008 , 44, 264	1.1	3
48	Feeding in-phase dipole arrays: a tutorial and a MATLAB program. <i>IEEE Antennas and Propagation Magazine</i> , 2005 , 47, 169-173	1.7	3
47	Waveguide-fed longitudinal slot array antennas: Fault diagnosis using measurements of input impedance. <i>Microwave and Optical Technology Letters</i> , 2002 , 32, 200-201	1.2	3
46	Sum pattern side lobe minimization for high-efficiency linear arrays with a uniformly excited central segment. <i>Journal of Electromagnetic Waves and Applications</i> , 2003 , 17, 409-417	1.3	3
45	Variation in the bandwidths of pattern-quality parameters and maximum embedded impedance among the solutions to shaped-beam synthesis problems for collinear dipole arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2003 , 2, 267-268	3.8	3
44	Design of efficient, easily feed-matched array antennas by joint optimisation of excitations and element geometry: pencil beam example. <i>Electronics Letters</i> , 1998 , 34, 1280	1.1	3
43	Placing Quasi-Nulls in Planar and Conformal Arrays. <i>Electromagnetics</i> , 1999 , 19, 373-383	0.8	3
42	Design of shunt slot arrays without weak excitations. <i>Electronics Letters</i> , 1999 , 35, 1396	1.1	3
41	Optimizing Radiation Patterns of Thinned Arrays with Deep Nulls Fixed through Their Representation in the Schelkunoff Unit Circle and a Simulated Annealing Algorithm.. <i>Sensors</i> , 2022 , 22,	3.8	3
40	DESIGN OF PLANAR ARRAYS COMPOSED BY AN ACTIVE DIPOLE ABOVE A GROUND PLANE WITH PARASITIC ELEMENTS. <i>Progress in Electromagnetics Research</i> , 2011 , 119, 265-277	3.8	2
39	EXPERIMENTAL RESULTS ON A PLANAR ARRAY OF PARASITIC DIPOLES FED BY ONE ACTIVE ELEMENT. <i>Progress in Electromagnetics Research</i> , 2011 , 113, 369-377	3.8	2
38	Analysis of Tolerance Among the Solutions to Shaped-Beam Synthesis Problems. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 1341-1352	1.3	2
37	Beam reconfiguration in antenna arrays by using parasitic elements 2007 ,		2

36	A Simple Way of Obtaining Optimized Patterns Using the Woodward-Lawson Method. <i>IEEE Antennas and Propagation Magazine</i> , 2006 , 48, 100-103	1.7	2
35	Synthesis of a geostationary antenna with eight independently variable beams. <i>IEEE Antennas and Propagation Magazine</i> , 2002 , 44, 21-29	1.7	2
34	Near-field quasi-null control with far-field sidelobe level maintenance in line source distributions. <i>Electronics Letters</i> , 2002 , 38, 540	1.1	2
33	Multiple Solutions Starting from Real Shaped Beams in Equispaced Linear Arrays. <i>Sensors</i> , 2020 , 21,	3.8	2
32	Technique for Determination of Particulate Matter Pollution in the Atmosphere Using Waveguide Slot Linear Array Antennas: A Feasibility Study. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1502-1506	4.1	2
31	Feasibility Study on Measuring the Particulate Matter Level in the Atmosphere by Means of Yagi-Uda-Like Antennas. <i>Sensors</i> , 2020 , 20,	3.8	1
30	A Cautionary Note on Optimization [Antenna Designer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 136-139	1.7	1
29	Perturbation of the phases of Taylor field samples in the synthesis of linear and circular array antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 38-40	3.8	1
28	On the multiplicity of solutions of Taylor linear sources generating symmetrical power patterns with filled nulls [antenna design applications]. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 169-171	3.8	1
27	Almost uniformly excited arrays. <i>Microwave and Optical Technology Letters</i> , 2003 , 37, 297-300	1.2	1
26	Optimization of aperture distributions for double-difference patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 668-669	4.9	1
25	Effects of measurement distance on measurements of symmetrically shaped patterns generated by line sources. <i>IEEE Antennas and Propagation Magazine</i> , 2003 , 45, 106-109	1.7	1
24	Synthesis of tapered transmission lines with characteristic impedance optimization. <i>Microwave and Optical Technology Letters</i> , 2000 , 24, 277-281	1.2	1
23	Design of a circular aperture yielding a double-difference beam with sidelobes of individually arbitrary heights. <i>Microwave and Optical Technology Letters</i> , 2000 , 26, 402-403	1.2	1
22	Finding Defective Elements in Planar Arrays Using Genetic Algorithms - Abstract. <i>Journal of Electromagnetic Waves and Applications</i> , 2000 , 14, 827-828	1.3	1
21	Phase-Only Control of Antenna Sum Patterns - Abstract. <i>Journal of Electromagnetic Waves and Applications</i> , 2000 , 14, 1103-1104	1.3	1
20	Minimizing the variability of characteristic impedances in multisection quarter-wavelength transformers. <i>Microwave and Optical Technology Letters</i> , 1999 , 23, 194-196	1.2	1
19	Antenna Array Pattern Synthesis in the Presence of Near-Zone Scatterers: Three-Dimensional Vector Case. <i>Journal of Electromagnetic Waves and Applications</i> , 1999 , 13, 1493-1507	1.3	1

18	Remarks on comparison between real and power optimisation methods for arrays synthesis of antennas. <i>Electronics Letters</i> , 1996 , 32, 1338	1.1	1
17	Simultaneous Suppression of Dissipationless Transmission Line Harmonics of Multiple Orders by a Single Quarter-Wave Stub Pair. <i>International Journal of Electrical Engineering and Education</i> , 1989 , 26, 373-376	0.6	1
16	An Improved Pattern Synthesis Iterative Method in Planar Arrays for Obtaining Efficient Footprints with Arbitrary Boundaries. <i>Sensors</i> , 2021 , 21,	3.8	1
15	Exposure to 2.45 GHz Radiation Triggers Changes in HSP-70, Glucocorticoid Receptors and GFAP Biomarkers in Rat Brain. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
14	Exposure to 2.45 GHz radiofrequency modulates calcitonin-dependent activity and HSP-90 protein in parafollicular cells of rat thyroid gland. <i>Tissue and Cell</i> , 2021 , 68, 101478	2.7	1
13	Arrays of Concentric Rings of Elements: Synthesis of Pencil Beams With and Without Allowance for Nonexcitation Blockage. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2865-2867	4.9	0
12	Realizing E Symmetric Radiation Patterns of Circular Apertures Using Circular Square-Grid Arrays [Antenna Designer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2012 , 54, 135-142	1.7	0
11	Simple and effective monitoring of the electromagnetic field in the smart cities arena. <i>Radio Science</i> , 2016 , 51, 1249-1262	1.4	
10	Measured characteristics of a planar array of parasitic elements fed by one active element. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2807-2809	1.2	
9	Combinatorial constraints on searching for optimal real or symmetric linear array excitation distributions. <i>Microwave and Optical Technology Letters</i> , 1998 , 19, 208-210	1.2	
8	NEAR FIELD QUASI-NUL CONTROL WITH FAR FIELD SIDELobe LEVEL MAINTENANCE IN LINE SOURCE DIFFERENCE PATTERNS. <i>Journal of Electromagnetic Waves and Applications</i> , 2003 , 17, 1365-1371	1.3	
7	Synthesis of multi-radial line antenna for HIPERLAN. <i>Electronics Letters</i> , 2003 , 39, 1162	1.1	
6	Minimizing the variability of scattering coefficients in multihole directional couplers. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 412-413	1.2	
5	Measurement distance effects on ϕ -symmetric shaped patterns generated by circular continuous apertures. <i>IEEE Antennas and Propagation Magazine</i> , 2003 , 45, 68-70	1.7	
4	Optimal Synthesis of Line Source Antennas Based On Rhodes Distributions - Abstract. <i>Journal of Electromagnetic Waves and Applications</i> , 2002 , 16, 415-417	1.3	
3	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1989 , 37, 634-637	4.1	
2	Improvement of Edge Brightening by Means of Q Factor Minimization in Circular Antenna Apertures: High Efficient Taylor-Like Patterns. <i>IEEE Access</i> , 2020 , 8, 184004-184012	3.5	
1	Enhanced Multiplicity on Shaped Patterns by Introducing Symmetric Pure Real Distributions: Taylor Linear and Circular Sources. <i>IEEE Access</i> , 2021 , 9, 13636-13642	3.5	

