Gopi Ram

List of Publications by Year
in descending order

51 papers	448 citations	840776 11 h-index	940533 16 g-index
52 all docs	52 docs citations	52 times ranked	196 citing authors

#	Article	IF	Citations
1	Cat Swarm Optimization as Applied to Time-Modulated Concentric Circular Antenna Array: Analysis and Comparison with Other Stochastic Optimization Methods. IEEE Transactions on Antennas and Propagation, 2015, 63, 4180-4183.	5.1	58
2	Circular and Concentric Circular Antenna Array Synthesis Using Cat Swarm Optimization. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2015, 32, 204-217.	3.2	33
3	Optimal Pulse Shifting in Timed Antenna Array for Simultaneous Reduction of Sidelobe and Sideband Level. IEEE Access, 2020, 8, 131063-131075.	4.2	24
4	Optimized hyper beamforming of receiving linear antenna arrays using Firefly algorithm. International Journal of Microwave and Wireless Technologies, 2014, 6, 181-194.	1.9	23
5	Multibeam steered pattern synthesis in <scp>time–modulated</scp> antenna array with controlled harmonic radiation. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22597.	1.2	18
6	Directivity maximization and optimal far-field pattern of time modulated linear antenna arrays using evolutionary algorithms. AEU - International Journal of Electronics and Communications, 2015, 69, 1800-1809.	2.9	16
7	Optimal design of non-uniform circular antenna arrays using PSO with wavelet mutation. International Journal of Bio-Inspired Computation, 2014, 6, 424.	0.9	14
8	Time–modulated multibeam steered antenna array synthesis with optimally designed switching sequence. International Journal of Communication Systems, 2021, 34, e4828.	2.5	14
9	Review on Ultra-Wideband Phased Array Antennas. IEEE Access, 2021, 9, 129742-129755.	4.2	14
10	CRPSOWM for Linear Antenna Arrays with Improved SLL and Directivity. IETE Journal of Research, 2015, 61, 109-120.	2.6	13
11	Pencil beam pattern synthesis of time-modulated concentric circular antenna array using PSO with Aging Leader and Challenger. Journal of Electromagnetic Waves and Applications, 2015, 29, 1610-1629.	1.6	12
12	Pattern synthesis of timed antenna array with the exploitation and suppression of harmonic radiation. International Journal of Communication Systems, 2021, 34, e4727.	2.5	12
13	Opposition–based BAT algorithm for optimal design of circular and concentric circular arrays with improved far–field radiation characteristics. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2087.	1.9	11
14	Beam steering in a Time Switched Antenna Array with reduced Side Lobe Level using Evolutionary Optimization Technique. , 2019, , .		11
15	Time-modulated linear array synthesis with optimal time schemes for the simultaneous suppression of sidelobe and sidebands. International Journal of Microwave and Wireless Technologies, 2022, 14, 768-780.	1.9	11
16	Optimized Hyper Beamforming of Linear Antenna Arrays Using Collective Animal Behaviour. Scientific World Journal, The, 2013, 2013, 1-13.	2.1	10
17	Optimal array factor radiation pattern synthesis for linear antenna array using cat swarm optimization: validation by an electromagnetic simulator. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 570-577.	2.6	9
18	Optimal Design of Linear Antenna Arrays of Dipole Elements Using Flower Pollination Algorithm. IETE Journal of Research, 2019, 65, 694-701.	2.6	8

#	Article	IF	Citations
19	<scp>Multi‐beam</scp> steered harmonic pattern synthesis in timed antenna array with optimized and <scp>pre‐defined RF</scp> switching. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2912.	1.9	8
20	IPSO based performance comparison of optimum uniform and non-uniform spacing of circular antenna arrays. , 2013, , .		7
21	Analysis for optimal pattern synthesis of time modulated concentric circular antenna array using memetic firefly algorithm. Memetic Computing, 2016, 8, 63-82.	4.0	7
22	Pattern synthesis and broad nulling optimization of <scp>STMLAA</scp> with <scp>EM</scp> simulation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2322.	1.9	7
23	Craziness particle swarm optimization based hyper beamforming of linear antenna arrays. , 2014, , .		6
24	Optimal Design of Timed Antenna Arrays for SLL Reduction, Dual and Multiple Broad Nulls in the Radiation Pattern. IETE Technical Review (Institution of Electronics and Telecommunication Engineers,) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.2	6
25	UAVs-based antenna arrays using time modulation. Telecommunication Systems, 2020, 74, 113-127.	2.5	6
26	Design optimization of linear arrays and time‐modulated antenna arrays using meta‐heuristics approach. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.9	6
27	Design of Non-uniformly Weighted and Spaced Circular Antenna Arrays with Reduced Side Lobe Level and First Null Beamwidth Using Seeker Optimization Algorithm. Lecture Notes in Computer Science, 2013, , 35-46.	1.3	5
28	Improvement in various radiation characteristics of time modulated linear antenna arrays using evolutionary algorithms. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 151-180.	2.8	5
29	Directivity improvement and optimal far field pattern of time modulated concentric circular antenna array using hybrid evolutionary algorithms. International Journal of Microwave and Wireless Technologies, 2017, 9, 177-190.	1.9	5
30	Radiation Performance Characteristic Optimization of Time-Modulated Circular Antenna Arrays. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 190-204.	3.2	5
31	Numerical Design of Non-Reciprocal Bandpass Filters With the Aid of 3D Coupling Matrix for 5G Bands. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3334-3338.	3.0	5
32	Time-Modulated Arrays: A Review. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (Te	3.2	5
33	GSAWM for beamforming and directivity of linear antenna arrays. , 2015, , .		4
34	Hybrid GSADE algorithm for optimization of far-field radiation pattern of circular arrays. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 61-71.	2.5	4
35	Simultaneous Improvement of array factor directivity and side lobe level of time‐modulated linear antenna arrays using opposition‐based harmony search algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2086.	1.9	4
36	Optimization for the reduction of power in sidebands and side lobes of time‐modulated antenna array. International Journal of Communication Systems, 2021, 34, e4987.	2.5	4

#	Article	IF	Citations
37	Time-Domain Approach Towards Smart Antenna Design. Signals and Communication Technology, 2021, , 363-394.	0.5	4
38	Design of circular antenna arrays for the reduction of side lobe and first null beamwidth using BFO. , 2013, , .		3
39	Self Adaptive Differential Evolution based thinning of concentric circular antenna arrays. , 2013, , .		3
40	Synthesis of time modulated linear antenna arrays using particle swarm optimization. , 2014, , .		3
41	Synthesis of circular antenna arrays with improved radiation patterns using DE algorithm. , 2014, , .		3
42	PSOIIW approach for nulling by RF switch in time modulated linear antenna arrays. , 2015, , .		3
43	Null Placement in Time-Modulated Linear Antenna Arrays of Dipole Element. IETE Journal of Research, 2017, 63, 403-412.	2.6	3
44	Thinned Concentric Circular Array Antenna Synthesis Using Seeker Optimization Algorithm. , 2018, , .		3
45	Seeker Optimization Algorithm for Beamforming of Linear Antenna Arrays. , 2014, , .		2
46	Radiation pattern synthesis of TMCAA using bacteria foraging optimization. , 2015, , .		2
47	Directivity and SLL optimization of time modulated concentric circular antenna array synthesis: an hybrid evolutionary approach. International Journal of Machine Learning and Cybernetics, 2015, 6, 819-835.	3.6	2
48	Swarm Optimization Based Side Lobe Reduction in Time Modulated Linear Antenna Arrays. , 2014, , .		1
49	Novel particle swarm optimization based hyper beamforming of linear antenna arrays. , 2014, , .		1
50	Circular and Concentric Circular Antenna Array Synthesis Using Cat Swarm Optimization. , 0, .		1
51	Memetic Flower Pollination Algorithm-Based Radiation Pattern inÂTime-Modulated Linear Antenna Arrays. Advances in Intelligent Systems and Computing, 2021, , 187-196.	0.6	0