

Gopi Ram

List of Publications by Year in descending order

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Version: 2024-02-01

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	Time-Modulated Arrays: A Review. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 190-204.	3.2	5
2	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
3	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
4	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
5	Multibeam steered pattern synthesis in time-modulated antenna array with controlled harmonic radiation. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22597.	1.2	18
6	Time-modulated multibeam steered antenna array synthesis with optimally designed switching sequence. International Journal of Communication Systems, 2021, 34, e4828.	2.5	14
7	Multi-beam steered harmonic pattern synthesis in timed antenna array with optimized and pre-defined RF switching. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2912.	1.9	8
8	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
9	Time-Domain Approach Towards Smart Antenna Design. Signals and Communication Technology, 2021, , 363-394.	0.5	4
10	Review on Ultra-Wideband Phased Array Antennas. IEEE Access, 2021, 9, 129742-129755.	4.2	14
11	Memetic Flower Pollination Algorithm-Based Radiation Pattern in Time-Modulated Linear Antenna Arrays. Advances in Intelligent Systems and Computing, 2021, , 187-196.	0.6	0
12	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, India), 2018, 35, 190-204.	3.2	5
13	UAVs-based antenna arrays using time modulation. Telecommunication Systems, 2020, 74, 113-127.	2.5	6
14	Optimal Pulse Shifting in Timed Antenna Array for Simultaneous Reduction of Sidelobe and Sideband Level. IEEE Access, 2020, 8, 131063-131075.	4.2	24
15	Beam steering in a Time Switched Antenna Array with reduced Side Lobe Level using Evolutionary Optimization Technique. , 2019, , .		11
16	Optimal Design of Linear Antenna Arrays of Dipole Elements Using Flower Pollination Algorithm. IETE Journal of Research, 2019, 65, 694-701.	2.6	8
17	Pattern synthesis and broad nulling optimization of STMLAA with EM simulation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2322.	1.9	7
18	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

#	ARTICLE	IF	CITATIONS
19	Thinned Concentric Circular Array Antenna Synthesis Using Seeker Optimization Algorithm. , 2018, , .		3
20	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
21	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
22	Null Placement in Time-Modulated Linear Antenna Arrays of Dipole Element. IETE Journal of Research, 2017, 63, 403-412.	2.6	3
23	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
24	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
25	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
26	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
27	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
28	Radiation pattern synthesis of TMCAA using bacteria foraging optimization. , 2015, , .		2
29	CRPSOWM for Linear Antenna Arrays with Improved SLL and Directivity. IETE Journal of Research, 2015, 61, 109-120.	2.6	13
30	PSOIIW approach for nulling by RF switch in time modulated linear antenna arrays. , 2015, , .		3
31	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
32	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
33	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
34	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
35	GSAWM for beamforming and directivity of linear antenna arrays. , 2015, , .		4
36	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

#	ARTICLE	IF	CITATIONS
37	Synthesis of time modulated linear antenna arrays using particle swarm optimization. , 2014, , .		3
38	Seeker Optimization Algorithm for Beamforming of Linear Antenna Arrays. , 2014, , .		2
39	Swarm Optimization Based Side Lobe Reduction in Time Modulated Linear Antenna Arrays. , 2014, , .		1
40	Synthesis of circular antenna arrays with improved radiation patterns using DE algorithm. , 2014, , .		3
41	Craziness particle swarm optimization based hyper beamforming of linear antenna arrays. , 2014, , .		6
42	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
43	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
44	Novel particle swarm optimization based hyper beamforming of linear antenna arrays. , 2014, , .		1
45	Design of circular antenna arrays for the reduction of side lobe and first null beamwidth using BFO. , 2013, , .		3
46	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
47	Self Adaptive Differential Evolution based thinning of concentric circular antenna arrays. , 2013, , .		3
48	IPSO based performance comparison of optimum uniform and non-uniform spacing of circular antenna arrays. , 2013, , .		7
49	Optimized Hyper Beamforming of Linear Antenna Arrays Using Collective Animal Behaviour. Scientific World Journal, The, 2013, 2013, 1-13.	2.1	10
50	Circular and Concentric Circular Antenna Array Synthesis Using Cat Swarm Optimization. , 0, , .		1
51	Design optimization of linear arrays and timeâ€modulated antenna arrays using metaâ€heuristics approach. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.9	6