

# Mohammad Khalaj-Amirhosseini

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	MICROWAVE FILTERS USING WAVEGUIDES FILLED BY MULTI-LAYER DIELECTRIC. Progress in Electromagnetics Research, 2006, 66, 105-110.	4.4	59
2	ANALYSIS OF COUPLED OR SINGLE NONUNIFORM TRANSMISSION LINES USING STEP-BY-STEP NUMERICAL INTEGRATION. Progress in Electromagnetics Research, 2006, 58, 187-198.	4.4	48
3	WIDEBAND OR MULTIBAND COMPLEX IMPEDANCE MATCHING USING MICROSTRIP NONUNIFORM TRANSMISSION LINES. Progress in Electromagnetics Research, 2006, 66, 15-25.	4.4	47
4	Twofold Reflectionless Filters of Inverse-Chebyshev Response With Arbitrary Attenuation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4616-4620.	4.6	41
5	COMPACT BANDPASS FILTERS UTILIZING DIELECTRIC FILLED WAVEGUIDES. Progress in Electromagnetics Research B, 2008, 7, 105-115.	1.0	34
6	ANALYSIS OF PERIODIC AND APERIODIC COUPLED NONUNIFORM TRANSMISSION LINES USING THE FOURIER SERIES EXPANSION. Progress in Electromagnetics Research, 2006, 65, 15-26.	4.4	33
7	OPTIMIZATION AN ANECHOIC CHAMBER WITH RAY-TRACING AND GENETIC ALGORITHMS. Progress in Electromagnetics Research B, 2008, 9, 53-68.	1.0	29
8	DETERMINATION OF CAPACITANCE AND CONDUCTANCE MATRICES OF LOSSY SHIELDED COUPLED MICROSTRIP TRANSMISSION LINES. Progress in Electromagnetics Research, 2005, 50, 267-278.	4.4	28
9	Analysis of Lossy Inhomogeneous Planar Layers Using Fourier Series Expansion. IEEE Transactions on Antennas and Propagation, 2007, 55, 489-493.	5.1	26
10	ANALYSIS OF LONGITUDINALLY INHOMOGENEOUS WAVEGUIDES USING THE METHOD OF MOMENTS. Progress in Electromagnetics Research, 2007, 74, 57-67.	4.4	25
11	Wideband Flat Radomes Using Inhomogeneous Planar Layers. International Journal of Antennas and Propagation, 2008, 2008, 1-6.	1.2	24
12	NONUNIFORM TRANSMISSION LINES AS COMPACT UNIFORM TRANSMISSION LINES. Progress in Electromagnetics Research C, 2008, 4, 205-211.	0.9	23
13	ANALYSIS OF COUPLED OR SINGLE NONUNIFORM TRANSMISSION LINES USING TAYLOR'S SERIES EXPANSION. Progress in Electromagnetics Research, 2006, 60, 107-117.	4.4	21
14	ANALYSIS OF NONUNIFORM TRANSMISSION LINES USING THE EQUIVALENT SOURCES. Progress in Electromagnetics Research, 2007, 71, 95-107.	4.4	21
15	ANALYSIS OF LOSSY INHOMOGENEOUS PLANAR LAYERS USING FINITE DIFFERENCE METHOD. Progress in Electromagnetics Research, 2006, 59, 187-198.	4.4	20
16	Planar Slotted Array Antenna Fed by Single Wiggly-Ridge Waveguide. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 764-767.	4.0	17
17	Analysis of nonuniform transmission lines using Taylor's series expansion. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 536-544.	1.2	16
18	CLOSED FORM SOLUTIONS FOR NONUNIFORM TRANSMISSION LINES. Progress in Electromagnetics Research B, 2008, 2, 243-258.	1.0	16

#	ARTICLE	IF	CITATIONS
19	Design method for matching circuits of general multiplexers. IET Microwaves, Antennas and Propagation, 2013, 7, 237-244.	1.4	14
20	Phase-Only Power Pattern Synthesis of Linear Arrays Using Autocorrelation Matching Method. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1487-1491.	4.0	14
21	Ultrawideband and Omnidirectional RCS Reduction by Using Symmetrical Coded Structures. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1236-1240.	4.0	14
22	Analysis of nonuniform transmission lines using Fourier series expansion. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 345-352.	1.2	13
23	To reduce side lobe level of slotted array antennas using nonuniform waveguides. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 42-46.	1.2	13
24	ANALYSIS OF LOSSY INHOMOGENEOUS PLANAR LAYERS USING EQUIVALENT SOURCES METHOD. Progress in Electromagnetics Research, 2007, 72, 61-73.	4.4	13
25	WIDEBAND DIFFERENTIAL PHASE SHIFTER USING MICROSTRIP NONUNIFORM TRANSMISSION LINES. Progress in Electromagnetics Research Letters, 2008, 3, 151-160.	0.7	12
26	Analysis of Coupled or Single Nonuniform Transmission Lines Using the Equivalent Sources Method. , 2007, , .		10
27	MINIMUM USAGE OF FERRITE TILES IN ANECHOIC CHAMBERS. Progress in Electromagnetics Research B, 2010, 19, 367-383.	1.0	10
28	Near-Chebyshev Pattern for Nonuniformly Spaced Arrays Using Zeros Matching Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 5155-5161.	5.1	10
29	SCATTERING OF INHOMOGENEOUS TWO-DIMENSIONAL PERIODIC DIELECTRIC GRATINGS. Progress in Electromagnetics Research, 2006, 60, 165-177.	4.4	9
30	WIDEBAND AND EFFICIENT MICROSTRIP INTERCONNECTS USING MULTI-SEGMENTED GROUND AND OPEN TRACES. Progress in Electromagnetics Research, 2005, 55, 33-46.	4.4	8
31	EQUIVALENT CIRCUIT MODEL FOR ANALYSIS OF INHOMOGENEOUS GRATINGS. Progress in Electromagnetics Research, 2007, 69, 21-34.	4.4	8
32	Design of Nonuniformly Spaced Antenna Arrays Using Fourier's Coefficients Equating Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 5326-5332.	5.1	8
33	Analysis of coupled or single nonuniform transmission lines using the method of moments. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 376-382.	1.2	7
34	TO ANALYZE INHOMOGENEOUS PLANAR LAYERS BY CASCADING THIN LINEAR LAYERS. Progress in Electromagnetics Research B, 2008, 3, 95-104.	1.0	7
35	Using linear sections instead of uniform ones to analyze the coupled nonuniform transmission lines. International Journal of RF and Microwave Computer-Aided Engineering, 2009, 19, 75-79.	1.2	7
36	Analysis of Nonuniform Transmission Lines Using the Method of Moments. , 2007, , .		6

#	ARTICLE	IF	CITATIONS
37	Multifrequency Wilkinson power divider using microstrip nonuniform transmission lines. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 295-299.	1.2	6
38	An efficient method of designing dual- and wide-band power dividers with arbitrary power division. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 118-126.	1.2	6
39	Microwave Filters using Waveguides Filled by Multi-Layer Dielectric. , 2006, , .		5
40	A CLOSED FORM ANALYTIC SOLUTION FOR COUPLED NONUNIFORM TRANSMISSION LINES. Progress in Electromagnetics Research C, 2008, 1, 95-103.	0.9	5
41	IMPROVEMENT THE CHARACTERISTICS OF THE MICROSTRIP PARALLEL COUPLED LINE COUPLER BY MEANS OF GROOVED SUBSTRATE. Progress in Electromagnetics Research M, 2008, 3, 205-215.	0.9	5
42	WIDE-ANGLE REFLECTION WAVE POLARIZERS USING INHOMOGENEOUS PLANAR LAYERS. Progress in Electromagnetics Research M, 2009, 9, 9-20.	0.9	5
43	An approximated closed form solution for nonuniform transmission lines. , 2009, , .		5
44	Wide-angle monostatic RCS enhancement using symmetrical periodic structures. Journal of Electromagnetic Waves and Applications, 2021, 35, 1987-2000.	1.6	5
45	An Analytical Synthesis Method for Linear, Ring and Planar Antenna Arrays Based on Ultra-Spherical Polynomial. AEU - International Journal of Electronics and Communications, 2021, 143, 154019.	2.9	5
46	ELECTROMAGNETIC COUPLING TO CIRCULANT SYMMETRIC MULTI-CONDUCTOR MICROSTRIP LINE. Progress in Electromagnetics Research, 2004, 49, 189-201.	4.4	4
47	Analysis of Nonuniform Transmission Lines Through Analysis of Their Periodic Model. , 2006, , .		4
48	MICROSTRIP NONUNIFORM IMPEDANCE RESONATORS. Progress in Electromagnetics Research, 2007, 67, 329-339.	4.4	4
49	RECONSTRUCTION OF INHOMOGENEOUS DIELECTRICS AT MICROWAVE FREQUENCIES. Progress in Electromagnetics Research, 2007, 77, 75-84.	4.4	4
50	Microwave impedance matching using waveguides filled by inhomogeneous dielectrics. International Journal of RF and Microwave Computer-Aided Engineering, 2009, 19, 69-74.	1.2	4
51	Analysis of Longitudinally Inhomogeneous Waveguides Using Equivalent Sources Method. , 2007, , .		3
52	Using Inhomogeneous Planar Layers as Impedance Matchers between Two Different Mediums. International Journal of Microwave Science and Technology, 2008, 2008, 1-5.	0.6	3
53	To compact branchâ€line couplers using parallel highâ€impedance transmission lines. Microwave and Optical Technology Letters, 2010, 52, 1996-1999.	1.4	3
54	Design of nonuniformly spaced arrays using zeros matching method. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21490.	1.2	3

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55	Synthesis of concurrent multibeam and conical beam antenna arrays. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21966.	1.2	3
56	Synthesis of linear and planar arrays with sidelobes of individually arbitrary levels. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21637.	1.2	3
57	IDENTIFICATION OF INHOMOGENEOUS OR MULTILAYER DIELECTRIC WALLS. Progress in Electromagnetics Research, 2008, 78, 39-48.	4.4	2
58	UTILIZING NONUNIFORM COUPLED TRANSMISSION LINES TO COMPACT MICROSTRIP CIRCUITS SUCH AS EDGE-COUPLED BANDPASS FILTERS. Progress in Electromagnetics Research C, 2010, 13, 231-243.	0.9	2
59	INVESTIGATION OF ELECTROMAGNETIC SHIELDING ROOMS WITH METAL CABINET AND APERTURE. Progress in Electromagnetics Research M, 2010, 12, 181-192.	0.9	2
60	Directive emission by using n-order coordinate transformation function. , 2012, , .		2
61	PRINCIPLES OF IDEAL WIDEBAND REFLECTARRAY ANTENNAS. Progress in Electromagnetics Research M, 2017, 58, 57-64.	0.9	2
62	Novel planar diplexer using branchâ€line coupler. Microwave and Optical Technology Letters, 2018, 60, 2773-2777.	1.4	2
63	Design, simulation, and fabrication of microstrip lens with non-uniform contour for 360 degree scanning. Journal of Electromagnetic Waves and Applications, 2019, 33, 2199-2214.	1.6	2
64	Synthesis of circular arrays with sidelobes of individually arbitrary levels. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21752.	1.2	2
65	Pattern synthesis of linear and ring arrays with minimum number of elements using FFT and Bessel transformation. Scientific Reports, 2022, 12, 5461.	3.3	2
66	OPTIMIZATION OF MICROSTRIP INTERCONNECTS CONTAINING ADDITIONAL CAPACITIVE COUPLING USING LEAST MEAN SQUARE METHOD. Journal of Circuits, Systems and Computers, 2006, 15, 321-329.	1.5	1
67	Reconstruction of the shape and location of arbitrary homogeneous objects using sequentially incidences. Microwave and Optical Technology Letters, 2008, 50, 1248-1251.	1.4	1
68	To Analyze The Nonuniform Transmission Lines By Cascading Short Linear. , 2008, , .		1
69	TO COMPACT WAVEGUIDE DEVICES BY DIELECTRIC AND FERRITE LAYERS. Progress in Electromagnetics Research M, 2009, 9, 243-255.	0.9	1
70	Microstrip discontinuity compensation using DGS. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 23, n/a-n/a.	1.2	1
71	Using a composite right/left handed transmission line to design a high compact Wilkinson power divider and rate race coupler. , 2012, , .		1
72	Ellipsoid anechoic chamber for radiation pattern measurements. , 2015, , .		1

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73	DESIGN OF NONUNIFORM METALLIC ANECHOIC CHAMBER FOR RADIATION PATTERN MEASUREMENT. Progress in Electromagnetics Research M, 2017, 58, 65-72.	0.9	1
74	Synthesis of Planar Arrays by Applying Transformations to Linear Arrays. , 2018, , .		1
75	RADAR CROSS SECTION REDUCTION USING POLARIZATION CANCELLATION APPROACH. Progress in Electromagnetics Research Letters, 2018, 74, 107-110.	0.7	1
76	The modeling of metawaveguide for using as a slot antenna array. AEU - International Journal of Electronics and Communications, 2019, 109, 67-75.	2.9	1
77	Wideband RCS reduction using polarization cancelation method. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21915.	1.2	1
78	Meta-waveguide analysis and implementation for using as a slot array antenna. International Journal of Microwave and Wireless Technologies, 2020, 12, 138-147.	1.9	1
79	Phase-only synthesis of planar arrays using autocorrelation matching method. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22153.	1.2	1
80	Synthesis of low sidelobe level antenna arrays through only main lobe assumption. Scientific Reports, 2021, 11, 22797.	3.3	1
81	Design of Wideband Dielectric Near-Field Lens for Medical Applications in Tumor Treatment. Engineering Science & Technology, 0, , 210-223.	0.3	1
82	Increasing the efficiency of interconnects using a compensating circuit. , 2006, , .		0
83	Design of Efficient Nonuniform Microstrip Couplers. , 2006, , .		0
84	An iteration method to analyze Nonuniform Transmission Lines. , 2008, , .		0
85	Circular Symmetric Coupled Microstrip Transmission Lines. , 2008, , .		0
86	Wideband and wide-angle flat Radomes using dielectric and ferrite layers. International Journal of Microwave and Wireless Technologies, 2012, 4, 529-535.	1.9	0
87	THREE OPTIMIZED OMNIDIRECTIONAL MICROSTRIP ANTENNAS (OMA) FOR WLAN APPLICATIONS. Progress in Electromagnetics Research Letters, 2015, 55, 39-43.	0.7	0
88	To control the beamwidth of antenna arrays by virtually changing inter-distances. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21754.	1.2	0
89	SLOTTED CELLS AS AMPLITUDE-PHASE CELLS FOR REFLECTARRAY ANTENNAS. Progress in Electromagnetics Research Letters, 2019, 81, 15-19.	0.7	0
90	Development of an allocation method to synthesis of unequally spaced arrays with minimum number of elements and mutual coupling considerations. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	0

#	ARTICLE	IF	CITATIONS
91	Ultra-wideband bi-static RCS reduction with full angular stability using diffraction periodic symmetrical structures. Journal of Electromagnetic Waves and Applications, 0, , 1-13.	1.6	0