Nader Komjani

List of Publications by Year
in descending order

78	1,292	361413	395702
papers	citations	20 h-index	33 g-index

78	78	78	1055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of a Band-Notched UWB Monopole Antenna by Means of an EBG Structure. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 170-173.	4.0	122
2	Magnetoelectric coupling in nonidentical plasmonic nanoparticles: Theory and applications. Physical Review B, 2015, 91, .	3.2	83
3	BANDWIDTH ENHANCEMENT OF MICROSTRIP PATCH ANTENNA USING JERUSALEM CROSS-SHAPED FREQUENCY SELECTIVE SURFACES BY INVASIVE WEED OPTIMIZATION APPROACH. Progress in Electromagnetics Research, 2011, 121, 103-120.	4.4	77
4	A Single-Layer Broadband Reflectarray Antenna by Using Quasi-spiral Phase Delay Line. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 84-87.	4.0	67
5	Broadband RCS Reduction of Microstrip Antenna Using Coding Frequency Selective Surface. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1382-1385.	4.0	59
6	A Bianisotropic Metasurface With Resonant Asymmetric Absorption. IEEE Transactions on Antennas and Propagation, 2015, 63, 3004-3015.	5.1	58
7	Optimum Design of Traveling-Wave SIW Slot Array Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 1971-1975.	5.1	45
8	A Comparison of Graphene and Noble Metals as Conductors for Plasmonic One-Dimensional Waveguides. IEEE Nanotechnology Magazine, 2015, 14, 829-836.	2.0	44
9	Holographic-Inspired Multibeam Reflectarray With Linear Polarization. IEEE Transactions on Antennas and Propagation, 2018, 66, 2870-2882.	5.1	42
10	Waveguide-Fed Tunable Terahertz Antenna Based on Hybrid Graphene-Metal Structure. IEEE Transactions on Antennas and Propagation, 2016, 64, 3787-3793.	5.1	39
11	Multibeam Bidirectional Wideband/Wide-Scanning-Angle Holographic Leaky-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1507-1511.	4.0	37
12	A COMPACT BAND-NOTCHED UWB PLANAR MONOPOLE ANTENNA WITH PARASITIC ELEMENTS. Progress in Electromagnetics Research Letters, 2011, 24, 129-138.	0.7	32
13	Realization of Multiple Concurrent Beams With Independent Circular Polarizations by Holographic Reflectarray. IEEE Transactions on Antennas and Propagation, 2018, 66, 4627-4640.	5.1	32
14	SIMULATION OF ULTRA WIDEBAND MICROSTRIP ANTENNA USING EPML-TLM. Progress in Electromagnetics Research B, 2008, 2, 115-124.	1.0	29
15	Novel Fractal Monopole Wideband Antenna. Journal of Electromagnetic Waves and Applications, 2008, 22, 195-205.	1.6	25
16	Polarizability calculation of arbitrary individual scatterers, scatterers in arrays, and substrated scatterers. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 491.	2.1	25
17	NOVEL MINIATURIZED WILKINSON POWER DIVIDER FOR 3G MOBILE RECEIVERS. Progress in Electromagnetics Research Letters, 2008, 3, 9-16.	0.7	25
18	Application of Invasive Weed Optimization to Design a Broadband Patch Antenna With Symmetric Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1369-1372.	4.0	24

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19	A Circularly Polarized Element for Reflectarray Antennas. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 319-322.	4.0	23
20	Impact of Feed Position on the Operating Band of Broadband Reflectarray Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1104-1107.	4.0	22
21	Accurate Design of Planar Slotted SIW Array Antennas. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 261-264.	4.0	20
22	Study of hybrid and pure plasmonic terahertz antennas based on graphene guided-wave structures. Nano Communication Networks, 2017, 12, 34-42.	2.9	19
23	Holographic-Inspired Multiple Circularly Polarized Vortex-Beam Generation with Flexible Topological Charges and Beam Directions. Physical Review Applied, 2019, 11, .	3.8	19
24	A Circularly Polarized Antenna Based on the Unidirectional Resonant Modes of a Ferrite Disk. IEEE Transactions on Magnetics, 2014, 50, 88-95.	2.1	18
25	An ultra-wideband three-way power divider based on spoof surface plasmon polaritons. Journal of Applied Physics, 2018, 124, .	2.5	18
26	POLARIZABILITY TENSOR CALCULATION USING INDUCED CHARGE AND CURRENT DISTRIBUTIONS. Progress in Electromagnetics Research M, 2016, 45, 123-130.	0.9	16
27	A Spoof Surface Plasmon Polaritons (SSPPs) Based Dual-Band-Rejection Filter with Wide Rejection Bandwidth. Sensors, 2020, 20, 7311.	3.8	16
28	Shaping Electromagnetic Waves with Flexible and Continuous Control of the Beam Directions Using Holography and Convolution Theorem. Scientific Reports, 2019, 9, 11825.	3.3	13
29	Tunable Left-Handed Characteristics of Ferrite Rectangular Waveguide Periodically Loaded With Complementary Split-Ring Resonators. IEEE Transactions on Magnetics, 2013, 49, 4780-4784.	2.1	12
30	Bandwidth enhancement of electrically large shaped-beam reflectarray by modifying the shape and phase distribution of reflective surface. AEU - International Journal of Electronics and Communications, 2016, 70, 530-538.	2.9	12
31	Ultra wideband antenna design using discrete Green's functions in conjunction with binary particle swarm optimisation. IET Microwaves, Antennas and Propagation, 2016, 10, 184-192.	1.4	11
32	Design and implementation of a new UWB microstrip antenna. , 2010, , .		10
33	Dual-band X/Ku Reflectarray Antenna Using a Novel FSS-Backed Unit-Cell with Quasi-Spiral Phase Delay Line. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2016, 15, 225-236.	0.7	10
34	New approach to design dual-band frequency selective surface based on frequency response tunning of each individual layer. Microwave and Optical Technology Letters, 2016, 58, 1423-1429.	1.4	10
35	Comparative analysis of graphene-integrated slab waveguides for terahertz plasmonics. Photonics and Nanostructures - Fundamentals and Applications, 2016, 20, 59-67.	2.0	10
36	Analysis of Wideband Circularly Polarized Ferrite-Loaded Antenna Based on Unidirectional Resonant Modes. IEEE Transactions on Magnetics, 2017, 53, 1-8.	2.1	10

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37	NOVEL ENHANCED AND MINIATURIZED 90Â° COUPLER FOR 3G EH MIXERS. Progress in Electromagnetics Research Letters, 2008, 3, 43-50.	0.7	9
38	Directivity enhancement of circularly polarized microstrip antennas by chiral metamaterial covers. IEICE Electronics Express, 2012, 9, 117-121.	0.8	9
39	Planar UWB monopole antenna with dual bandâ€notched characteristics for UWB applications. Microwave and Optical Technology Letters, 2013, 55, 241-245.	1.4	9
40	Optimum design of dual band shaped-beam circularly polarized reflectarray antenna based on physical optic method. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 690-702.	1.2	9
41	Dual-frequency dual orthogonal polarization wave multiplexing using decoupled pixels based on Holographic technique. Optics Express, 2020, 28, 12424.	3.4	8
42	QUASI-ELLIPTIC BANDPASS FILTER BASED ON SIR WITH ELIMINATION OF FIRST SPURIOUS RESPONSE. Progress in Electromagnetics Research C, 2009, 9, 89-100.	0.9	7
43	Ferriteâ€based wideband circularly polarized microstrip antenna design. ETRI Journal, 2019, 41, 289-297.	2.0	7
44	Broadband, dualâ€band reflectarray with dual orthogonal polarisation for single and multiâ€beam patterns. IET Microwaves, Antennas and Propagation, 2019, 13, 2037-2045.	1.4	7
45	Design of Dual-beam Orthogonal Circular Polarized Leaky-wave Holographic Antenna. , 2021, , .		7
46	ANALYTICAL METHOD FOR DESIGNING FSS-BACKED REFLECTARRAY ANTENNA USING TRANSMISSION LINE APPROACH. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 529-541.	0.7	6
47	Improved performance of an axially-modulated conformal leaky-wave holographic antenna through using variable modulation index. Journal of Electromagnetic Waves and Applications, 2021, 35, 2020-2033.	1.6	6
48	A dual-band power divider based on higher-order modes of spoof surface plasmon polaritons. AIP Advances, 2021, 11, .	1.3	6
49	Design of a Compact Hairpin Filter with Spurious Suppression. Journal of Electromagnetic Waves and Applications, 2011, 25, 1059-1067.	1.6	5
50	Design of Novel Dual-Band Bandpass Filter with Multi-Spurious Suppression for WLAN Application. Journal of Electromagnetic Waves and Applications, 2012, 26, 851-862.	1.6	5
51	DESIGN OF DUAL-BAND BANDPASS FILTER WITH WIDE UPPER STOPBAND USING SIR AND GSIR STRUCTURES. Progress in Electromagnetics Research C, 2012, 32, 221-232.	0.9	5
52	Phase error analysis of the effect of feed movement on bandwidth performance of a broadband X-Ku band reflectarray. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 517-526.	1.2	5
53	Design of a broadband diplexer based on substrate integrated plasmonic waveguide. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22854.	1.2	5
54	Bow-tie microstrip antenna analysis and design using the FDTD method. , 0, , .		4

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55	A novel H-plane filter using double-layer substrate integrated waveguide with defected ground structures. International Journal of Electronics, 2013, 100, 851-862.	1.4	4
56	Design of dualâ€band bandpass filter with improved upper stopband using novel steppedâ€impedance resonator. Microwave and Optical Technology Letters, 2014, 56, 603-606.	1.4	4
57	NOVEL EVEN HARMONIC MIXER FOR 3G MOBILE RECEIVERS. Progress in Electromagnetics Research M, 2008, 1, 69-77.	0.9	3
58	Design and analysis of a novel tunable Ferrite based left handed strip line. Journal of Electromagnetic Waves and Applications, 2012, 26, 914-922.	1.6	3
59	Analysis of Line Source Radiation Above Grounded Inhomogeneous Chiral Layer Using a Hybrid Method of Fourier Transform and Taylor's Series Expansion. IEEE Transactions on Antennas and Propagation, 2013, 61, 5109-5116.	5.1	3
60	Tunable zeroth-order resonator based on a ferrite metamaterial structure. Chinese Physics B, 2013, 22, 107805.	1.4	3
61	Surveying of Pure and Hybrid Plasmonic Structures Based on Graphene for Terahertz Antenna. , 2016, , .		3
62	Novel even harmonic mixer for 3G mobile receivers. , 2008, , .		2
63	Presentation and Application of Tunable Reciprocal/Nonreciprocal Metamaterial Transmission Line Based on Edge-Guided Mode. Electromagnetics, 2013, 33, 234-248.	0.7	2
64	ANALYSIS OF ELECTROMAGNETIC CYLINDRICAL WAVE INTERACTION WITH INHOMOGENEOUS PLANAR MEDIA. Progress in Electromagnetics Research, 2013, 139, 133-143.	4.4	2
65	Demonstration of a self-polarizing dual-band single-feed circularly polarized Fabry-Perot cavity antenna with a broadband axial ratio. AEU - International Journal of Electronics and Communications, 2019, 111, 152909.	2.9	2
66	Design and fabrication of a high gain, low cost, LHCP Fabryâ€Perot antenna at Ku band. Microwave and Optical Technology Letters, 2019, 61, 101-106.	1.4	2
67	Beam Controlling of Horn Antenna Using Huygens Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1373-1377.	4.0	2
68	The effect of feed position on the performance of a broadband reflectarray. , 2011, , .		1
69	Scattering from spherical conducting/dielectric objects in a rotationally uniaxial anisotropic media. AEU - International Journal of Electronics and Communications, 2011, 65, 539-542.	2.9	1
70	ELECTROMAGNETIC WAVE SCATTERING FROM CYLINDRICAL STRUCTURE WITH MIXED-IMPEDANCE BOUNDARY CONDITIONS. Progress in Electromagnetics Research M, 2013, 29, 207-222.	0.9	1
71	Radiation and scattering from a point source on an inhomogeneous substrate. IET Microwaves, Antennas and Propagation, 2014, 8, 1327-1332.	1.4	1
72	The analysis of E-plane filters with loaded resonators with mode matching method. , 2007, , .		0

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73	Quasi-elliptic SIR bandpass filter with Defected Ground Structure. , 2009, , .		0
74	A novel circularly polarized fractal microstrip antenna. , 2009, , .		0
75	A novel design of triplexer for GSM based on SIR. Microwave and Optical Technology Letters, 2010, 52, 2563-2568.	1.4	0
76	Novel technique for improvement of transmission line matrix method algorithm frequency response. , 2011, , .		0
77	Slow-wave H-plane filter with improved frequency characteristics and reduced size. , 2012, , .		0
78	An Offset Gregorian Dual-Reflectarray Antenna with Eight Scanned Beams. Electromagnetics, 2014, 34, 111-127.	0.7	0