

# Gonca Aşakâr

## List of Publications by Year in descending order

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39  
papers

533  
citations

758635

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h-index

676716

22  
g-index

39  
all docs

39  
docs citations

39  
times ranked

407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Octagonal-Shaped UWB Antenna With Reduced Radar Cross Section. IEEE Transactions on Antennas and Propagation, 2014, 62, 2946-2953.	3.1	119
2	Radar cross section (RCS) modeling and simulation, part 1: a tutorial review of definitions, strategies, and canonical examples. IEEE Antennas and Propagation Magazine, 2008, 50, 115-126.	1.2	51
3	Radar Cross Section (RCS) Modeling and Simulation, Part 2: A Novel FDTD-Based RCS Prediction Virtual Tool for the Resonance Regime. IEEE Antennas and Propagation Magazine, 2008, 50, 81-94.	1.2	44
4	A Novel Dual-Band Ultrathin FSS With Closely Settled Frequency Response. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1381-1384.	2.4	38
5	A multipurpose FDTD-based two dimensional electromagnetic virtual tool. IEEE Antennas and Propagation Magazine, 2006, 48, 142-151.	1.2	29
6	Novel angular-independent higher order band-stop frequency selective surface for X-band applications. IET Microwaves, Antennas and Propagation, 2018, 12, 15-22.	0.7	23
7	FDTD Modeling of Electromagnetic Wave Scattering From a Wedge With Perfectly Reflecting Boundaries: Comparisons Against Analytical Models and Calibration. IEEE Transactions on Antennas and Propagation, 2012, 60, 3336-3342.	3.1	22
8	A Two-Dimensional FDTD-Based Virtual Visualization Tool for Metamaterial -Wave Interaction [Education Column]. IEEE Antennas and Propagation Magazine, 2008, 50, 166-175.	1.2	21
9	A novel virtual FDTD-based microstrip circuit design and analysis tool [Education Column]. IEEE Antennas and Propagation Magazine, 2006, 48, 161-173.	1.2	18
10	Broadband single-layer reflectarray antenna for X-band applications. IET Microwaves, Antennas and Propagation, 2018, 12, 1609-1612.	0.7	16
11	Design of a novel microstrip electromagnetic bandgap (EBG) structure. Microwave and Optical Technology Letters, 2005, 46, 399-401.	0.9	15
12	Sensing of RF Magnetic Fields Using Zeeman Splitting of Double Radiooptical Resonance and a New Approach to Helmholtz Coil Calibrations. IEEE Sensors Journal, 2012, 12, 2465-2473.	2.4	13
13	An FDTD-Based Parallel Virtual Tool for RCS Calculations of Complex Targets. IEEE Antennas and Propagation Magazine, 2014, 56, 74-90.	1.2	12
14	Antenna Calibration for EMC Tests and Measurements. IEEE Antennas and Propagation Magazine, 2008, 50, 215-224.	1.2	10
15	High constant gain modified antipodal Vivaldi antenna incorporated with a phase compensation lens and a frequency selective surface. AEU - International Journal of Electronics and Communications, 2020, 113, 152975.	1.7	10
16	A novel ultrawideband antenna with switchable notch band. Microwave and Optical Technology Letters, 2013, 55, 1461-1466.	0.9	7
17	Miniature crescent shaped UWB antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 494-498.	0.8	7
18	Design of double-sided axe-shaped ultra-wideband antenna with reduced radar cross-section. IET Microwaves, Antennas and Propagation, 2014, 8, 571-579.	0.7	7

#	ARTICLE	IF	CITATIONS
19	RCS reduction of reflectarray using new variable size FSS method. AEU - International Journal of Electronics and Communications, 2020, 117, 153098.	1.7	7
20	A broadband array of Archimedean spiral antennas for wireless applications. Microwave and Optical Technology Letters, 2006, 48, 195-200.	0.9	6
21	Design of a compact and wideband microstrip bandstop filter. Microwave and Optical Technology Letters, 2008, 50, 2612-2614.	0.9	6
22	An octagonal shaped ultra wide band antenna with reduced RCS. , 2013, , .		6
23	Generic microstrip structure for the realization of all-type broadband filters. Microwave and Optical Technology Letters, 2006, 48, 2390-2393.	0.9	5
24	Metamaterial slabs and realization of all-type filter characteristics: Numerical and analytical investigations. Microwave and Optical Technology Letters, 2009, 51, 894-899.	0.9	5
25	An arrow shaped ultra wide band antenna with reduced RCS. , 2013, , .		5
26	Radar cross-section (RCS) analysis of high frequency surface wave radar targets. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	5
27	A novel reflectarray antenna backed with double layer FSS for RCS reduction. , 2017, , .		4
28	Novel Angular and Polarization Independent Band-Stop Frequency Selective Surface for Ultra-Wide Band Applications. Radioengineering, 2019, 27, 147-153.	0.3	4
29	A design of a microstrip electromagnetic dual-band bandgap (DB-EBG) structure. Microwave and Optical Technology Letters, 2006, 48, 1405-1408.	0.9	3
30	Constant gain modified antipodal vivaldi antenna with rake-like wires operating over 3.1â€“10.6 GHz. Microwave and Optical Technology Letters, 2018, 60, 1205-1211.	0.9	3
31	A double-arm generic microstrip electromagnetic bandgap structure with bandpass and bandstop characteristics. , 0, , .		2
32	Analytical &#x0026; Numerical Calculations of S-Parameters in Multilayer DPS-DNG Junctions. , 2009, , .		2
33	Double side axe shaped UWB antenna with reduced RCS. , 2013, , .		2
34	A novel reflectarray antenna combined with double layer FSS for RCS reduction. , 2017, , .		2
35	Ultra wide band crescent antenna with enhanced maximum gain. , 2017, , .		2
36	Gain enhancement of co-planar waveguide fed ultra-wide bandwidth monopole antenna with enlarged ground plane and metal reflectors. AEU - International Journal of Electronics and Communications, 2020, 126, 153422.	1.7	1

#	ARTICLE	IF	CITATIONS
37	AŐA± ve polarizasyondan baŐA±msA±z ultra geniŐ bantlA± frekans seŐSici yA¼zey tasarA±mA±. Journal of the Faculty of Engineering and Architecture of Gazi University, 2019, 35, 287-296.	0.3	1
38	Filter design and mode suppression inside metamaterial-filled rectangular waveguides. Microwave and Optical Technology Letters, 2010, 52, 1659-1663.	0.9	0
39	A Novel Reflectarray Antenna with Reduced RCS. Kocaeli Journal of Science and Engineering, 2018, 1, 11-14.	0.3	0