

Habibollah Abiri

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

602
citations

10
h-index

23
g-index

67
ext. papers

737
ext. citations

2.4
avg, IF

3.93
L-index

#	Paper	IF	Citations
55	Eddy current and total power loss separation in the ironβphosphateβpolyepoxy soft magnetic composites. <i>Materials & Design</i> , 2009 , 30, 3989-3995		126
54	Bandwidth Enhancement of Printed E-Shaped Slot Antennas Fed by CPW and Microstrip Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1402-1407	4.9	76
53	Thin Wideband Radar Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 4051-4058	4.9	70
52	Design of High-Gain Lens Antenna by Gradient-Index Metamaterials Using Transformation Optics. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4074-4081	4.9	54
51	Modeling of surface hairline-crack detection in metals under coatings using an open-ended rectangular waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 2049-2057	4.1	47
50	Analysis of the "Crack characteristic signal" using a generalized scattering matrix representation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 477-484	4.1	39
49	Design of a Broadband Cosecant Squared Pattern Reflector Antenna Using IWO Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3895-3900	4.9	26
48	Parametric study of novel types of dielectric resonator antennas based on fractal geometry. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2007 , 17, 416-424	1.5	21
47	Electromagnetic performance analysis of omega-type metamaterial radomes. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2011 , 21, 665-673	1.5	13
46	A general transform for regularizing planar open waveguide dispersion relation. <i>Journal of Lightwave Technology</i> , 1997 , 15, 383-390	4	12
45	Low-drift AMβM based optical single-sideband modulator without 2nd-order sideband with adjustable optical carrier-to-sideband ratio. <i>Optics Communications</i> , 2019 , 438, 126-131	2	9
44	Developing a Load-Line Concept to Study the Extended Interaction Oscillators. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 3429-3436	2.9	8
43	Theoretical investigation of an ultra-low phase noise microwave oscillator based on an IF crystal resonator-amplifier and a microwave photonic frequency transposer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 1422	1.7	7
42	Optimization of metamaterial structures for terahertz and microwave sensor applications. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 636-642	1.2	7
41	Analysis of Frequency Selective Surfaces on Periodic Substrates Using Entire Domain Basis Functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 876-886	4.9	7
40	Two-dimensional synthesis and optimization of a broadband shaped beam reflector antenna using IWO and PSO algorithms. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2015 , 25, 129-140	1.5	6
39	Design of conical DRH antennas for K and Ka frequency bands. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2011 , 21, 602-610	1.5	5

38	A new design procedure for wide band Doherty power amplifiers. <i>AEU - International Journal of Electronics and Communications</i> , 2019 , 98, 181-190	2.8	5
37	Mode Control Analysis and Large-Signal Design of a High-Power Terahertz Extended Interaction Oscillator. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 4048-4055	2.9	4
36	Cosecant-squared pattern synthesis method for broadband-shaped reflector antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 328-336	1.6	4
35	A new approach to design wide band power amplifiers by compensating parasitic elements of transistors. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 92, 1-7	2.8	4
34	Near-Field Analysis of Rectangular Waveguide Probes Used for Imaging 1996 , 727-732		4
33	Analytical investigation of self-oscillating condition for resonant terahertz extended interaction oscillators. <i>Physics of Plasmas</i> , 2019 , 26, 053301	2.1	3
32	Multi-sensor approach in vessel magnetic wake imaging. <i>Wave Motion</i> , 2014 , 51, 60-76	1.8	3
31	Rotational Vector Addition Theorem and Its Effect on T-Matrix. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3819-3825	4.9	3
30	Measurement of Ions Penetration Pattern in Point to Grid Atmospheric Corona Discharge. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 016001	1.4	3
29	Large Overlapping Subdomain Method of Moments for the Analysis of Frequency Selective Surfaces. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 2175-2187	4.1	3
28	. <i>Journal of Lightwave Technology</i> , 1995 , 13, 1780-1786	4	3
27	Criteria for Determining Maximum Theoretical Oscillating Frequency of Extended Interaction Oscillators for Terahertz Applications. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 1564-1571	2.9	2
26	Signal-to-noise ratio and capture effect of microwave photonic links operating under small- and large-signal modulations in random noise. <i>Optics Communications</i> , 2018 , 421, 30-40	2	2
25	Electromagnetic Fields Induced by the Motion of Di-Hull Bodies in a Conducting Fluid. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 5257-5263	2	2
24	Monopulse Cassegrain antenna design using evolutionary algorithms. <i>AEU - International Journal of Electronics and Communications</i> , 2008 , 62, 506-512	2.8	2
23	Optimization of tapering profile in IC-DFB and DBR lasers 2000 , 3944, 862		2
22	Bias-Free Silicon-Based Optical Single-Sideband Modulator Without 2nd-Order Sideband. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-16	1.8	2
21	HIGH-GAIN PLANAR LENS ANTENNAS BASED ON TRANSFORMATION OPTICS AND SUBSTRATE-INTEGRATED WAVEGUIDE (SIW) TECHNOLOGY. <i>Progress in Electromagnetics Research C</i> , 2016 , 68, 45-55	0.9	2

20	Accurate design of slot array with low side lobes and low cross polarization 2016 ,		1
19	Anode shaping for rejection of E _{mode} in relativistic A6 magnetron. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2017 , 51, 286-297	1.4	1
18	An electrothermal model for investigation of harmonic effects produced by power electronic devices on protection elements 2009 ,		1
17	ANALYSIS OF 2D PHOTONIC CRYSTAL CAVITIES USING A MULTI-SCATTERING APPROACH BASED ON WEIGHTED BESSEL FUNCTIONS. <i>Progress in Electromagnetics Research M</i> , 2008 , 3, 119-130	0.6	1
16	Application of Fourier differential quadrature for the analysis of photonic crystals. <i>Communications in Numerical Methods in Engineering</i> , 2007 , 24, 1363-1372		1
15	An Efficient Semi-Analytic Method for Analysis of 2-D Photonic Crystals. <i>Journal of Lightwave Technology</i> , 2007 , 25, 644-649	4	1
14	Tapered corrugation for improving characteristics of DFB and DBR lasers. <i>Microwave and Optical Technology Letters</i> , 1992 , 5, 643-647	1.2	1
13	Tunability of cascaded grating used in distributed feedback laser. <i>Microwave and Optical Technology Letters</i> , 1990 , 3, 372-375	1.2	1
12	Measurement of Ions Penetration Pattern in Point to Grid Atmospheric Corona Discharge. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 016001	1.4	1
11	Five-Wave Equation for Small-Signal Analysis of Traveling-Wave Tubes Considering the Effects of Axial Periodicity of the Interaction Structure. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 2149-2155	2.9	1
10	Electromagnetic Modeling of the Interaction of Cracks in Metallic Surfaces with Open-Ended Waveguides Using an Equivalent Magnetic Current 1996 , 719-726		1
9	Optimisation of doubly periodic arrays of three-dimensional metallic structures in free space and layered media. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 604-611	1.6	
8	Orthogonal coupled-mode theory for rectangular dielectric waveguides 1999 , 3625, 165		
7	Effect of index tapering on characteristics of DFB and DBR lasers 1999 , 3625, 756		
6	Optimization of first-order trapezoidal gratings used in DFB and DBR lasers 1993 , 1992, 216		
5	Computer assisted determination of K ₀ - diagram in the vane-type coaxial magnetron. <i>Journal of Electromagnetic Waves and Applications</i> , 1994 , 8, 743-758	1.3	
4	Application of open-ended rectangular waveguides for detecting surface cracks 1995 , 2456, 269		
3	Theoretical foundations for the evanescent mode oscillator (EMO) as a high-efficiency source of millimeter-wave and terahertz radiations. <i>Physics of Plasmas</i> , 2021 , 28, 113104	2.1	

2 . *IEEE Transactions on Plasma Science*, **2016**, 44, 1769-1778 1.3

1 A novel approach to design a metallic cylindrical shell for optimizing the average RCS under TMz illumination. *AEU - International Journal of Electronics and Communications*, **2021**, 138, 153836 2.8