

# Yasir Alfadhli

## List of Publications by Year in descending order

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45  
papers

283  
citations

933447

10  
h-index

1058476

14  
g-index

45  
all docs

45  
docs citations

45  
times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	LTE-A an overview and future research areas. , 2011, , .		29
2	Study of a 0.35 THz Extended Interaction Oscillator Driven by a Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2020, 67, 652-658.	3.0	26
3	A THz Imaging System Using Linear Sparse Periodic Array. IEEE Sensors Journal, 2020, 20, 3285-3292.	4.7	19
4	Conductivity and frequency dependent specific absorption rate. Journal of Applied Physics, 2013, 113, .	2.5	18
5	Study on Wideband THz Backward Wave Oscillator Driven by Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2020, 67, 3395-3402.	3.0	13
6	A 3-D-Printed High-Dielectric Materials-Filled Pyramidal Double-Ridged Horn Antenna for Abdominal Fat Measurement System. IEEE Transactions on Antennas and Propagation, 2021, 69, 64-73.	5.1	13
7	A 3D-Printed High-Dielectric Filled Elliptical Double-Ridged Horn Antenna for Biomedical Monitoring Applications. IEEE Access, 2019, 7, 94977-94985.	4.2	12
8	A low-profile 28GHz Rotman lens-fed array beamformer for 5G conformal subsystems. Microwave and Optical Technology Letters, 2019, 61, 671-675.	1.4	12
9	Electromagnetic heating effect of aggregated gold nanoparticle colloids. Journal of Applied Physics, 2014, 115, 094903.	2.5	11
10	Wideband Dual-Circular-Polarization Antenna With High Isolation for Millimeter-Wave Wireless Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 1750-1763.	5.1	11
11	Study of an Eighth-Harmonic Large-Orbit Gyrotron in the Terahertz Band. IEEE Transactions on Plasma Science, 2015, 43, 506-514.	1.3	10
12	A Dual-Frequency Quasi-Optical Output System for a THz Gyro-Multiplier. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 674-681.	3.1	10
13	Optimal Spatial Sampling Criterion in a 2D THz Holographic Imaging System. IEEE Access, 2018, 6, 8173-8177.	4.2	9
14	Effect of the Mixing Region Geometry and Collector Distance on Microbubble Formation in a Microfluidic Device Coupled with ac/dc Electric Fields. Langmuir, 2019, 35, 10052-10060.	3.5	9
15	Compact high-power millimetre wave sources driven by pseudospark-sourced electron beams. IET Microwaves, Antennas and Propagation, 2019, 13, 1794-1798.	1.4	9
16	Investigation of Frequency-Selective Surfaces for a THz Gyromultiplier Output System. IEEE Transactions on Electron Devices, 2017, 64, 4678-4685.	3.0	8
17	Assessment of exposure to radio frequency electromagnetic fields from smart utility meters in GB; 200-216.	1.6	8
18	Advanced THz MIMO Sparse Imaging Scheme Using Multipass Synthetic Aperture Focusing and Low-Rank Matrix Completion Techniques. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 659-669.	4.6	6

#	ARTICLE	IF	CITATIONS
19	Quad band circular polarized antenna. , 2012, , .		5
20	Compact ultra-wideband double-ridged horn antennas for medical imaging. , 2016, , .		5
21	A novel Wide-Band reflection-based system for measuring abdominal fat in humans. , 2016, , .		5
22	W Band Imaging System Using Linear Sparse Periodic Antenna Array and Compressive Sensing for Personnel Screening. IEEE Access, 2019, 7, 173603-173611.	4.2	4
23	THz sparse periodic array imaging system using compressed sensing. IET Microwaves, Antennas and Propagation, 2020, 14, 1157-1161.	1.4	4
24	Study of a THz spatial harmonic magnetron. , 2015, , .		3
25	A flexible printed millimetre-wave beamforming network for WiGig and 5G wireless subsystems. , 2016, , .		3
26	On the limitation of ultra-wideband technique for medical scanning systems. , 2016, , .		3
27	Wâ€band groovedâ€wall circularly polarised horn antenna. IET Microwaves, Antennas and Propagation, 2020, 14, 1171-1174.	1.4	3
28	Design and Testing of a Cylindrically-Conformal Array for Semi-Smart Antenna Base Stations. , 2006, , .		2
29	Design of the output system for a gyro-multiplier. , 2015, , .		2
30	Design of a High Voltage Pulse Generator with Large Width Adjusting Range for Tumor Treatment. Electronics (Switzerland), 2020, 9, 1053.	3.1	2
31	Design of Dual-Band High-Power Backward Wave Oscillator using Double Staggered Grating and Pseudospark-Sourced Sheet Beam. , 2021, , .		2
32	THz Personnel Screening System with Multi-pass Interferometric Synthetic Aperture Technique. , 2020, , .		2
33	3D PIC simulation of starting process of oscillation in a 42 GHz gyrotron. , 2013, , .		1
34	Study on 94GHz Imaging System Using Sparse Periodic Linear Antenna Array and Compressive Sensing. , 2018, , .		1
35	Design of 0.365-THz Backward Wave Oscillator using Staggered Double Grating SWS and Sheet Beam. , 2019, , .		1
36	Hybrid Development of a Compact Antenna Based on a Novel Skin-Matched Ceramic Composite for Body Fat Measurement. Electronics (Switzerland), 2020, 9, 2139.	3.1	1

#	ARTICLE	IF	CITATIONS
37	Wideband Dual-Circular-Polarization Antenna based on the Grooved-Wall Horn Antenna for Millimeter-Wave Wireless Communications. , 2021, , .		1
38	A computational efficient simulation tool for gyrotrons. , 2014, , .		0
39	Molecular dynamics study on the electroporation process with different configurations of ions. , 2014, , .		0
40	Numerical study of a high-harmonic gyrotron using an axis-encircling electron beam. , 2015, , .		0
41	Design of frequency selective surfaces for a gyro-multiplier output system. , 2016, , .		0
42	Investigation of THz image reconstruction by transposed convolution algorithm. , 2017, , .		0
43	Study on a sparse antenna array for terahertz imaging. , 2017, , .		0
44	A resonant cavity system for exposing cell cultures to intense pulsed RF fields. Scientific Reports, 2022, 12, 4755.	3.3	0
45	Microwave Exposure System on Cell Solution for Alzheimer's Disease Treatment. , 2022, , .		0