

# Ahmed Abdelmottaleb Omar

## List of Publications by Year in descending order

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31  
papers

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times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Planar, Polarization-Switchable Endfire and $\hat{A}\pm$ Broadside Millimeter-Wave Antenna Array Without Lumped Components. IEEE Transactions on Antennas and Propagation, 2022, 70, 3864-3869.	5.1	9
2	Dome-Shaped mmWave Lens Antenna Optimization for Wide-Angle Scanning and Scan Loss Mitigation Using Geometric Optics and Multiple Scattering. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2022, 7, 142-150.	2.2	2
3	Wideband Transmissive Polarization Rotator With In-Band Notches Enabling Multiband Operation. IEEE Access, 2021, 9, 44751-44756.	4.2	4
4	Heterogeneous Phased Array Architecture Consisting of AoD and AiP to Enhance Spherical Beamforming Coverage for 5G/6G Cellular Handsets. , 2021, , .		2
5	A Compact Wideband Vertically Polarized End-Fire Millimeter-Wave Antenna Utilizing Slot, Dielectric, and Cavity Resonators. IEEE Transactions on Antennas and Propagation, 2021, 69, 5234-5243.	5.1	17
6	Dual-Polarized End-fire and $\hat{A}\pm$ Broadside Millimeter-Wave Antenna Array. , 2021, , .		0
7	Dual-Function Dielectric Layer Enabling Compact Wideband End-Fire Millimeter-Wave Antenna. , 2021, , .		0
8	Absorptive Frequency-Selective Reflection/Transmission Structures: A Review and Future Perspectives. IEEE Antennas and Propagation Magazine, 2020, 62, 62-74.	1.4	45
9	Low-RCS and Beam-Steerable Dipole Array Using Absorptive Frequency-Selective Reflection Structures. IEEE Transactions on Antennas and Propagation, 2020, 68, 2457-2462.	5.1	32
10	A Single-Layer Vialess Wideband Reflective Polarization Rotator Utilizing Perforated Holes. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2053-2056.	4.0	15
11	On the Design of Multiband Antenna Employing AFSR Structure as Ground Plane for Low Out-of-Band RCS. , 2020, , .		1
12	Efficient Analysis of Electromagnetic Scattering in Post-Wall Waveguides and Its Application to Optimization of Millimeter Wave Filters. IEEE Open Journal of Antennas and Propagation, 2020, 1, 448-455.	3.7	3
13	A Symmetrically Stacked Planar Antenna Concept Exhibiting Quasi-Isotropic Radiation Coverage. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1390-1394.	4.0	19
14	A Low-Profile Wideband Shared-Aperture Dual-Polarized Antenna Utilizing Dual-Function Slot. IEEE Open Journal of Antennas and Propagation, 2020, 1, 95-103.	3.7	0
15	A 3-D Lumped-Components-Free Absorptive Frequency-Selective Transmission Structure Featuring Very Wide Two-Sided Absorption Bandwidths. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 761-765.	4.0	24
16	Absorptive Frequency-Selective Reflectors. , 2019, , .		1
17	Compact and Wideband Dipole Antennas. , 2019, , .		2
18	Multi-Band Absorptive Frequency-Selective Reflection Structures. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Thin 3-D Bandpass Frequency-Selective Structure Based on Folded Substrate for Conformal Radome Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 282-290.	5.1	66
20	A Compact and Wideband Vertically Polarized Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 626-631.	5.1	38
21	Tunable Absorptive Frequency-Selective Transmission Structure. , 2018, , .		11
22	3D Absorptive Frequency-Selective Reflection and Transmission Structures With Dual Absorption Bands. IEEE Access, 2018, 6, 72880-72888.	4.2	40
23	An Ultra-Wideband and High-Efficiency 90° Polarization Rotator Based on Double Split-Ring Resonators. , 2018, , .		2
24	Multiband and Wideband 90° Polarization Rotators. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1822-1826.	4.0	26
25	Thin Bandstop Frequency-Selective Structures Based on Loop Resonator. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2298-2309.	4.6	30
26	Double-Sided Parallel-Strip Line Resonator for Dual-Polarized 3-D Frequency-Selective Structure and Absorber. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3744-3752.	4.6	64
27	3-D Absorptive Frequency Selective Reflector for Antenna Radar Cross Section Reduction. IEEE Transactions on Antennas and Propagation, 2017, 65, 5908-5917.	5.1	92
28	Absorptive Frequency-Selective Reflection and Transmission Structures. IEEE Transactions on Antennas and Propagation, 2017, 65, 6173-6178.	5.1	135
29	Dual-polarized absorber based on 3-D frequency selective structure. , 2016, , .		3
30	Multiband High-Order Bandstop 3-D Frequency-Selective Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 2217-2226.	5.1	67
31	Multi-band second-order bandstop frequency selective structure with controllable band ratios. , 2015, , .		2