

# Touseef Hayat

## List of Publications by Year in descending order

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228  
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#	ARTICLE	IF	CITATIONS
1	All-metal wideband metasurface for near-field transformation of medium-to-high gain electromagnetic sources. Scientific Reports, 2021, 11, 9421.	3.3	79
2	Additively Manufactured Perforated Superstrate to Improve Directive Radiation Characteristics of Electromagnetic Source. IEEE Access, 2019, 7, 153445-153452.	4.2	43
3	3-D-Printed Phase-Rectifying Transparent Superstrate for Resonant-Cavity Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1400-1404.	4.0	41
4	A Near-Field Meta-Steering Antenna System With Fully Metallic Metasurfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 10062-10075.	5.1	18
5	Low-Cost Ultrawideband High-Gain Compact Resonant Cavity Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1271-1275.	4.0	17
6	A dielectric free near field phase transforming structure for wideband gain enhancement of antennas. Scientific Reports, 2021, 11, 14613.	3.3	14
7	The Use of a Pair of 3D-Printed Near Field Superstructures to Steer an Antenna Beam in Elevation and Azimuth. IEEE Access, 2021, 9, 153995-154010.	4.2	13
8	3D Printed All Dielectric Phase Correcting Surface for Resonant Cavity Antenna. , 2018, , .		6
9	Dielectric-Free Cells for Low-Cost Near-Field Phase Shifting Metasurfaces. , 2020, , .		6
10	Highly Transparent Fully Metallic 1-Bit Coding Metasurfaces for Near-Field Transformation. , 2022, , .		6
11	Permittivity sensing and measurement with novel split ball resonator using E-field perturbation technique. Microwave and Optical Technology Letters, 2018, 60, 748-754.	1.4	3
12	3D Printable Lightweight Porous Superstrate for Improved Radiation Performance of Antenna. , 2020, , .		1
13	Design and Performance Comparison of Compact Resonant Cavity Antennas Using Customized 3D Printing Techniques. , 2022, , .		1
14	Dual-band miniaturized UHF-RFID tag for scaled-down networks using spiral resonators. , 2016, , .		0
15	Recent Progress on Development of Near-Field Structures for Radio-Frequency Front-End Antennas. , 2019, , .		0
16	Comparative Analysis of Highly Transmitting Phase Correcting Structures for Electromagnetic Bandgap Resonator Antenna. , 2020, , .		0
17	Low-Cost All-Metal Bandpass Frequency Selective Surface. , 2021, , .		0
18	Rapid Prototyping of Ultrawideband Compact Resonant Cavity Antennas Using 3D Printing. , 2021, , .		0