

# Abdul Basir

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

953  
citations

566801

15  
h-index

552369

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Wireless Power Transfer and Data Telemetry Using Dual-Band Smart Contact Lens. IEEE Transactions on Antennas and Propagation, 2022, 70, 2990-3001.	3.1	15
2	Safety Analysis of Medical Implants in the Human Head Exposed to a Wireless Power Transfer System. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 640-649.	1.4	6
3	Ultra-Miniaturized Antenna for Deeply Implanted Biomedical Devices. IEEE Access, 2022, 10, 54563-54571.	2.6	11
4	Wireless, Battery-Free, and Fully Implantable Micro-Coil System for 7 T Brain MRI. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 430-441.	2.7	9
5	Miniaturized Antenna for High Data Rate Implantable Brain-Machine Interfaces. IEEE Access, 2022, 10, 66018-66027.	2.6	9
6	Ultra-Compact Implantable Antenna With Enhanced Performance for Leadless Cardiac Pacemaker System. IEEE Transactions on Antennas and Propagation, 2021, 69, 1152-1157.	3.1	56
7	Adjustable RF Transmitter Head Coil: Improving Transmit Efficiency With SAR Management for 7-T Magnetic Resonance Imaging. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2686-2696.	2.9	10
8	Biotelemetry and Wireless Powering of Biomedical Implants Using a Rectifier Integrated Self-Diplexing Implantable Antenna. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3438-3451.	2.9	61
9	Compact and Flexible Wideband Antenna for Intraoral Tongue-Drive System for People With Disabilities. IEEE Transactions on Antennas and Propagation, 2020, 68, 2405-2409.	3.1	27
10	Soft Materials, Stretchable Mechanics, and Optimized Designs for Body-Wearable Compliant Antennas. ACS Applied Materials & Interfaces, 2020, 12, 3059-3067.	4.0	31
11	A Quadband Implantable Antenna System for Simultaneous Wireless Powering and Biotelemetry of Deep-Body Implants. , 2020, , .		4
12	A Dual-Circular-Polarized Endoscopic Antenna With Wideband Characteristics and Wireless Biotelemetric Link Characterization. IEEE Transactions on Antennas and Propagation, 2020, 68, 6953-6963.	3.1	57
13	Efficient Wireless Power Transfer System With a Miniaturized Quad-Band Implantable Antenna for Deep-Body Multitasking Implants. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1943-1953.	2.9	72
14	Low-Profile dual-band antenna with on-demand beam switching capabilities. IET Microwaves, Antennas and Propagation, 2020, 14, 15-20.	0.7	10
15	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. Electronics (Switzerland), 2020, 9, 258.	1.8	38
16	Electromagnetic Bandgap Backed Millimeter-Wave MIMO Antenna for Wearable Applications. IEEE Access, 2019, 7, 111135-111144.	2.6	104
17	A Stable Impedance-Matched Ultrawideband Antenna System Mitigating Detuning Effects for Multiple Biotelemetric Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 3416-3421.	3.1	52
18	A dual-band case-printed planar inverted-F antenna design with independent resonance control for wearable short range telemetric systems. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21781.	0.8	15

#	ARTICLE	IF	CITATIONS
19	A Metamaterial-Coupled Wireless Power Transfer System Based on Cubic High-Dielectric Resonators. IEEE Transactions on Industrial Electronics, 2019, 66, 7397-7406.	5.2	47
20	Remote monitoring of cardiac activity using a flexible loop antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21585.	0.8	4
21	Design and analysis of a hexa-band frequency reconfigurable antenna for wireless communication. AEU - International Journal of Electronics and Communications, 2019, 98, 80-88.	1.7	79
22	DESIGN OF MULTIPLE BAND, MEANDERED STRIPS CONNECTED PATCH ANTENNA. Progress in Electromagnetics Research Letters, 2018, 79, 51-57.	0.4	14
23	A dual-band implantable antenna with wide-band characteristics at MICS and ISM bands. Microwave and Optical Technology Letters, 2018, 60, 2944-2949.	0.9	32
24	Metamaterial-Based Highly Isolated MIMO Antenna for Portable Wireless Applications. Electronics (Switzerland), 2018, 7, 267.	1.8	75
25	Design and Measurement of Planar Monopole Antennas for Multi-Band Wireless Applications. IETE Journal of Research, 2017, 63, 194-204.	1.8	34
26	AN ARRAY OF M-SHAPED VIVALDI ANTENNAS FOR UWB APPLICATIONS. Progress in Electromagnetics Research Letters, 2017, 68, 67-72.	0.4	12
27	Design and SAR Analysis of Wearable Antenna on Various Parts of Human Body, Using Conventional and Artificial Ground Planes. Journal of Electrical Engineering and Technology, 2017, 12, 317-328.	1.2	62
28	Design of tetra-band frequency reconfigurable antenna for portable wireless applications. , 2016, , .		2
29	Design of efficient and flexible patch antenna using an electromagnetic band gap (EBG) ground plane. , 2014, , .		5