

# Abhishek K Jha

## List of Publications by Year in descending order

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37  
papers

1,112  
citations

567281

15  
h-index

677142

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g-index

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all docs

37  
docs citations

37  
times ranked

642  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Microwave Sensor With Operating Band Selection to Detect Rotation and Proximity in the Rapid Prototyping Industry. IEEE Transactions on Industrial Electronics, 2021, 68, 683-693.	7.9	40
2	Characteristics Modeling of GaN Class-AB Dual-Band PA Under Different Temperature and Humidity Conditions. IEEE Access, 2021, 9, 121632-121644.	4.2	3
3	Accurate Microwave Cavity Sensing Technique for Dielectric Testing of Arbitrary Length Samples. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	13
4	Extending the Frequency Limit of Microstrip-Coupled CSRR Using Asymmetry. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3759-3769.	4.6	2
5	Tackling Non-linearity in Cavity Perturbation using Machine Learning Approach. , 2021, , .		1
6	A Highly Sensitive Planar Microwave Sensor for Detecting Direction and Angle of Rotation. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1598-1609.	4.6	55
7	Novel MNZ-type microwave sensor for testing magnetodielectric materials. Scientific Reports, 2020, 10, 16985.	3.3	6
8	Estimation of Broadband Complex Permeability Using SIW Cavity-Based Multimodal Approach. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6571-6581.	4.7	5
9	Near Field Coupled Wireless Microwave Sensor. , 2020, , .		4
10	Design of Microwave-Based Angular Displacement Sensor. IEEE Microwave and Wireless Components Letters, 2019, 29, 306-308.	3.2	72
11	Novel Microwave Resonant Technique for Accurate Testing of Magnetic Materials. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 239-248.	4.6	16
12	Multi-Band RF Planar Sensor Using Complementary Split Ring Resonator for Testing of Dielectric Materials. IEEE Sensors Journal, 2018, 18, 6596-6606.	4.7	97
13	Planar SIW Cavity Based RF Sensor for Air Bubble Detection in Medical Industry. , 2018, , .		3
14	Generalized Multimode SIW Cavity-Based Sensor for Retrieval of Complex Permittivity of Materials. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3063-3072.	4.6	38
15	Broadband Wireless Sensing System for Non-Invasive Testing of Biological Samples. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 251-259.	3.6	45
16	Generalized RF Time-Domain Imaging Technique for Moving Objects on Conveyor Belts in Real Time. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2536-2546.	4.6	14
17	Design of SRR-Based Microwave Sensor for Characterization of Magnetodielectric Substrates. IEEE Microwave and Wireless Components Letters, 2017, 27, 524-526.	3.2	77
18	Improved Planar Resonant RF Sensor for Retrieval of Permittivity and Permeability of Materials. IEEE Sensors Journal, 2017, 17, 5479-5486.	4.7	85

#	ARTICLE	IF	CITATIONS
19	TRL Calibrated Coplanar Microwave Sensor for Characterization of Biomolecules. , 2017, , .		2
20	Design of broadband superstrate FSS for terahertz imaging and testing applications. , 2016, , .		5
21	Metamaterialâ€inspired microwave sensor for measurement of complex permittivity of materials. Microwave and Optical Technology Letters, 2016, 58, 2577-2581.	1.4	20
22	Elevated and tapered microstrip coupled ENZ SIW sensor for microwave testing of radome and building materials in 3G and ISM bands. , 2016, , .		1
23	Design of tri-band ENZ SIW sensor for microwave testing of materials in 3G and 4G GSM bands. , 2015, , .		1
24	Calibration independent generalized cavity method for microwave characterization of powdered materials. Review of Scientific Instruments, 2015, 86, 064708.	1.3	6
25	Dual band microwave sensor for dielectric characterization of dispersive materials. , 2015, , .		8
26	Design of coplanar dual band resonator sensor for microwave characterization of dispersive liquids. , 2015, , .		10
27	Permittivity measurement of common solvents using the CSRR based sensor. , 2015, , .		9
28	A contactless thickness measurement of multilayer structure using terahertz time domain spectroscopy. , 2015, , .		0
29	Design of Multilayered Epsilon-Near-Zero Microwave Planar Sensor for Testing of Dispersive Materials. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2418-2426.	4.6	49
30	Improved Resonator Method for Microwave Testing of Magnetic Composite Sheets. IEEE Transactions on Magnetics, 2015, 51, 1-9.	2.1	17
31	Design and Application of the CSRR-Based Planar Sensor for Noninvasive Measurement of Complex Permittivity. IEEE Sensors Journal, 2015, 15, 7181-7189.	4.7	221
32	An Improved Rectangular Cavity Approach for Measurement of Complex Permeability of Materials. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 995-1003.	4.7	32
33	Design of microwave ENZ sensor for contamination detection in liquids using SIW technology. , 2014, , .		9
34	Design of metamaterial based structure for the radar cross section reduction of a microstrip antenna. , 2014, , .		11
35	SIW cavity based RF sensor for dielectric characterization of liquids. , 2014, , .		21
36	A Generalized Rectangular Cavity Approach for Determination of Complex Permittivity of Materials. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2632-2641.	4.7	107

#	ARTICLE	IF	CITATIONS
37	Automated RF measurement system for detecting adulteration in edible fluids. , 2013, , .		7