

Jan Barowski

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

265
citations

1684188

5
h-index

1474206

9
g-index

23
all docs

23
docs citations

23
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Millimeter-Wave Characterization of Dielectric Materials Using Calibrated FMCW Transceivers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3683-3689.	4.6	50
2	Silicate dielectric ceramics for millimetre wave applications. Journal of the European Ceramic Society, 2021, 41, 3879-3894.	5.7	43
3	Short-Range SAR Imaging From GHz to THz Waves. IEEE Journal of Microwaves, 2021, 1, 574-585.	6.5	39
4	Versatile 126â€“182 GHz UWB D-Band FMCW Radar for Industrial and Scientific Applications. , 2022, 6, 1-4.		22
5	Scattering and Roughness Analysis of Indoor Materials at Frequencies from 750 GHz to 1.1 THz. IEEE Transactions on Antennas and Propagation, 2021, 69, 7820-7829.	5.1	19
6	A Compact Measurement Setup for In-Situ Material Characterization in the Lower THz Range. , 2019, , .		12
7	Millimeterwave Radar Systems for In-Line Thickness Monitoring in Pipe Extrusion Production Lines. , 2020, 4, 1-4.		12
8	Calibrated and Frequency Traceable D-Band FMCW Radar for VNA-like S-Parameter Measurements. , 2022, , .		12
9	Compensation of Sensor Movements in Short-Range FMCW Synthetic Aperture Radar Algorithms. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5145-5159.	4.6	11
10	Real-time imaging system for millimeter wave synthetic aperture radar sensors. , 2017, , .		10
11	Monostatic and thickness-independent material characterisation based on microwave ellipsometry. , 2016, , .		8
12	Comparison of Short-Range SAR Imaging Algorithms for the Detection of Landmines using Numerical Simulations. , 2022, , .		6
13	Spatial Identification of Dielectric Properties using Synthetic Aperture Radar. , 2019, , .		5
14	Comparison between Rectangular and Hexagonal Synthetic Apertures for Radar Imaging. , 2018, , .		4
15	Near-Field Effects on Micrometer Accurate Ranging With Ultra-Wideband mmWave Radar. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 938-942.	4.0	3
16	Characterization of Dielectric Materials by Sparse Signal Processing With Iterative Dictionary Updates. , 2020, 4, 1-4.		2
17	Beam Divergence Reduction of Vortex Waves With a Tailored Lens and a Tailored Reflector. IEEE Access, 2021, 9, 9800-9811.	4.2	2
18	Considering Nonsurface Scattering in Physical Optics Approximations. IEEE Transactions on Antennas and Propagation, 2021, 69, 4798-4807.	5.1	2

#	ARTICLE	IF	CITATIONS
19	Characterizing Dielectric Materials using Monostatic Transmission- and Reflection-Ellipsometry. <i>Frequenz</i> , 2017, 71, .	0.9	1
20	Considerations Regarding Simulator Design for Electromagnetic Measurement Systems. , 2020, , .		1
21	Hardware/Software Co-design for the Signal Processing of Dielectric Materials Characterization. , 2020, , .		1
22	Investigation on the scattering characteristics and unsupervised clustering of 3D printed samples. <i>International Journal of Microwave and Wireless Technologies</i> , 2020, 12, 862-869.	1.9	0
23	Estimation of the relative permittivity from the molecular structure of polymers used in automotive industries. <i>Materials Research Express</i> , 2020, 7, 125301.	1.6	0