

Kimberley W Eccleston

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

421
citations

933447

10
h-index

1058476

14
g-index

54
all docs

54
docs citations

54
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode Analysis of the Corrugated Substrate Integrated Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3004-3012.	4.6	56
2	Substrate integrated waveguide with corrugated wall. , 2008, , .		48
3	Bandpass Frequency Selective Structure With Improved Out-of-Band Rejection Using Stacked Single-Layer Slotlines. IEEE Transactions on Antennas and Propagation, 2018, 66, 6003-6014.	5.1	46
4	Circularly Polarized Annular Ring Antenna With Wide Axial-Ratio Bandwidth for Biomedical Applications. IEEE Access, 2019, 7, 59999-60009.	4.2	39
5	Frequency Selective Resorber with Low Insertion Loss and Dual-Band Absorptions Using Planar Slotline Structures. IEEE Antennas and Wireless Propagation Letters, 2018, , 1-1.	4.0	32
6	Analysis and implementation of 3D bandpass frequency selective structure with high frequency selectivity. Electronics Letters, 2017, 53, 324-326.	1.0	26
7	Half-Mode Buried Corrugated Substrate Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2014, 24, 215-217.	3.2	19
8	A New Interpretation of Through-Line Deembedding. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3887-3893.	4.6	15
9	Conformal MIMO loop antenna for ingestible capsule applications. Electronics Letters, 2017, 53, 1506-1508.	1.0	14
10	Implementation of a Microstrip Square Planar ϵ -N-Way Metamaterial Power Divider. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 189-195.	4.6	12
11	The effect of FET soft turn ϵ on a Doherty amplifier. Microwave and Optical Technology Letters, 2008, 50, 1861-1864.	1.4	11
12	A flexible UWB inverted ϵ antenna for wearable application. Microwave and Optical Technology Letters, 2017, 59, 2514-2518.	1.4	10
13	Planar Lens Based on Dielectric Resonators and Printed Continuous Metal Strips. , 2020, , .		9
14	Microwave Measurements of Snow Over Sea-Ice in Antarctica. , 2018, , .		7
15	Investigation of a tessellated meta-material planar circuit. , 2006, , .		5
16	Microwave modeling and experiments for non destructive control improved quality of fruit. , 2017, , .		5
17	SAR for grape bunch detection in vineyards. , 2018, , .		5
18	TRL Assisted Low-loss Negative-Refractive-Index Metamaterial Characterization in the Presence of Surface Effects. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Four-way power combining integrated antenna. , 2006, , .		4
20	Modelling of the Dielectric Resonator and Metal Strip Based Negative-Refractive-Index Lens. , 2021, , .		4
21	Contrast Capability of the NRI Lens. , 2021, , .		4
22	Shunt-Loaded Fractal-Meandered Microstrip. , 2008, , .		3
23	An improved model for computing the scattering amplitude coefficient of the chaff cloud. , 2014, , .		3
24	Effect of microstrip feeds on half-mode SIW distributed amplifier performance. , 2015, , .		3
25	SIW distributed amplifier: Analysis, prospects and challenges. , 2016, , .		3
26	Wave Interaction with Grape Bunches on Vines. , 2018, , .		3
27	Identifying Near-Perfect Tunneling in Discrete Metamaterial Loaded Waveguides. Electronics (Switzerland), 2019, 8, 84.	3.1	3
28	A Dual Dielectric-Resonator-Loaded Probe System Designed for Microwave Medical Imaging. , 2021, , .		3
29	Wave Interaction With Tessellated Metamaterials. , 2007, , .		2
30	Linear Polarized Matched-Input Active Integrated Transmit Antenna. , 2007, , .		2
31	Integrated DC-isolated wideband coupling of half-mode SIW and half-mode buried-corrugated SIW. , 2015, , .		2
32	Printed NRI metamaterial based on broad-side-coupled SRRs and a thinned array of strips. , 2016, , .		2
33	Verification of extended through-line deembedding. , 2017, , .		2
34	Fully-printed S-band SRR/wire NRI lens with reduced wire density. , 2017, , .		2
35	Effect of Shoot Scattering on a Grape-Yield Radar. , 2018, , .		2
36	Observations from Radar Scans of Grape Vines Conducted Over a Growing Season. , 2019, , .		2

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37	Scalar network analysers operating at Ka- and W-bands. Journal of Infrared, Millimeter and Terahertz Waves, 1991, 12, 819-843.	0.6	1
38	Integrated Combined Amplifiers for Planar Circuits. , 2008, , .		1
39	Periodic loop structure for combining power FETs. , 2008, , .		1
40	A theoretical basis for Doherty amplifier bias control based on drain current characteristics. Microwave and Optical Technology Letters, 2009, 51, 2152-2156.	1.4	1
41	Four FET active integrated microstrip antenna. Microwave and Optical Technology Letters, 2009, 51, 2997-3000.	1.4	1
42	Proposal for a SIW phase-inverter. , 2014, , .		1
43	The multilevel adaptive modified characteristic basis function method for multiscale scattering problems. , 2016, , .		1
44	Nondestructive Control of Fruit Quality Using Microwaves - Modeling and Experiments with Apples. , 2018, , .		1
45	Class-B amplifier using a periodic loop combiner. Microwave and Optical Technology Letters, 2010, 52, 725-728.	1.4	0
46	A dual population genetic algorithm with learning scheme. , 2010, , .		0
47	Polarization control of aperture coupled circular patch antennas. , 2016, , .		0
48	Dual-Band Conformal Antenna for Wireless Capsule Endoscopy Applications. , 2018, , .		0
49	Wool-Air Mix Permittivity Measurement. , 2018, , .		0
50	Non-Diffracting Beams for Moisture Measurement. , 2018, , .		0
51	Cavity Backed Antenna for Microwave Estimation of Grape Bunches in Vineyard. , 2019, , .		0
52	Matrix-based Constitutive Parameter and Generalised Surface Effect Retrieval. , 2020, , .		0