

# Kok Yeow You

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. <i>Nanomaterials</i> , 2019, 9, 202.	1.9	213
2	Dielectric properties and microwave heating of oil palm biomass and biochar. <i>Industrial Crops and Products</i> , 2013, 50, 366-374.	2.5	128
3	Complex permittivity and moisture measurements of oil palm fruits using an open-ended coaxial sensor. <i>IEEE Sensors Journal</i> , 2005, 5, 1281-1287.	2.4	50
4	Review on microwave nondestructive testing techniques and its applications in concrete technology. <i>Construction and Building Materials</i> , 2019, 209, 135-146.	3.2	44
5	EMI shielding based on MWCNTs/polyester composites. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	32
6	Determination of Moisture Content in Oil Palm Fruits Using a Five-Port Reflectometer. <i>Sensors</i> , 2011, 11, 4073-4085.	2.1	31
7	Precise Moisture Monitoring for Various Soil Types Using Handheld Microwave-Sensor Meter. <i>IEEE Sensors Journal</i> , 2013, 13, 2563-2570.	2.4	29
8	A Small and Slim Coaxial Probe for Single Rice Grain Moisture Sensing. <i>Sensors</i> , 2013, 13, 3652-3663.	2.1	28
9	EXPERIMENTAL DETERMINATION OF THE PERFORMANCE OF RICE HUSK-CARBON NANOTUBE COMPOSITES FOR ABSORBING MICROWAVE SIGNALS IN THE FREQUENCY RANGE OF 12.4-18 GHZ. <i>Progress in Electromagnetics Research</i> , 2013, 140, 795-812.	1.6	23
10	THE USE OF DIELECTRIC MIXTURE EQUATIONS TO ANALYZE THE DIELECTRIC PROPERTIES OF A MIXTURE OF RUBBER TIRE DUST AND RICE HUSKS IN A MICROWAVE ABSORBER. <i>Progress in Electromagnetics Research</i> , 2012, 129, 559-578.	1.6	22
11	A modified microstrip ring resonator sensor with lumped element modeling for soil moisture and dielectric predictions measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 94, 119-125.	2.5	21
12	Materials Characterization Using Microwave Waveguide System. , 0, , .		17
13	DIELECTRIC MEASUREMENTS FOR LOW-LOSS MATERIALS USING TRANSMISSION PHASE-SHIFT METHOD. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.3	15
14	Simple Calibration and Dielectric Measurement Technique for Thin Material Using Coaxial Probe. <i>IEEE Sensors Journal</i> , 2015, 15, 5393-5397.	2.4	15
15	Magnetically recoverable magnetite-reduced graphene oxide as a demulsifier for surfactant stabilized crude oil-in-water emulsion. <i>PLoS ONE</i> , 2020, 15, e0232490.	1.1	15
16	Multiband metamaterial microwave absorbers using split ring and multiwidth slot structure. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018, 28, e21473.	0.8	14
17	Enhanced microwave absorption of rice husk-based pyramidal microwave absorber with different lossy base layer. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 215-222.	0.7	13
18	Non-destructive Dielectric Measurements and Calibration for Thin Materials Using Waveguide-Coaxial Adaptors. <i>Measurement Science Review</i> , 2014, 14, 16-24.	0.6	10

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19	Study of Dual Open Ended Coaxial Sensor System for Calculation of Phase Using Two Magnitudes. IEEE Sensors Journal, 2014, 14, 129-134.	2.4	9
20	MINIATURIZATION OF THREE-SECTION BRANCH-LINE COUPLER USING DIAMOND-SERIES STUBS MICROSTRIP LINE. Progress in Electromagnetics Research C, 2018, 82, 199-207.	0.6	9
21	MODELLING THE DIELECTRIC PROPERTIES OF COW'S RAW MILK UNDER VAT PASTEURIZATION. Progress in Electromagnetics Research M, 2019, 84, 157-166.	0.5	9
22	Dielectric properties of potassium carbonate-impregnated cempedak peel for microwave-assisted activation. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 173-181.	0.8	8
23	Macroscopic characterization of materials using microwave measurement methods "A survey. , 2017, , .		8
24	Monitoring Moisture Content for Various Kind of Tea Leaves in Drying Processes Using RF Reflectometer-Sensor System. Instruments, 2018, 2, 18.	0.8	8
25	Experimental characterization and modeling of microwave heating of oil palm kernels, mesocarps, and empty fruit bunches. Drying Technology, 2019, 37, 69-91.	1.7	8
26	Rice Grain Moisture Determination Using Microstrip Wide-Ring and Microstrip Coupled-Line Sensors. American Journal of Applied Sciences, 2015, 12, 112-120.	0.1	8
27	Fast and Accurate Technique for Determination of Moisture Content in Oil Palm Fruits using Open-Ended Coaxial Sensor. Japanese Journal of Applied Physics, 2005, 44, 5272-5274.	0.8	7
28	Broadband metamaterial microwave absorber for X-Ku band using planar split ring-slot structures. , 2017, , .		7
29	Free-space measurement using explicit, reference-plane and thickness-invariant method for permittivity determination of planar materials. , 2017, , .		7
30	AMPLITUDE-ONLY MEASUREMENTS OF A DUAL OPEN ENDED COAXIAL SENSOR SYSTEM FOR DETERMINATION OF COMPLEX PERMITTIVITY OF MATERIALS. Progress in Electromagnetics Research M, 2013, 28, 27-39.	0.5	6
31	S-band five-port ring reflectometer-probe system for <i>in vitro</i> breast tumor detection. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21198.	0.8	6
32	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. Bulletin of Materials Science, 2020, 43, 1.	0.8	6
33	Synthesis of MRGO Nanocomposites as a Potential Photocatalytic Demulsifier for Crude Oil-in-Water Emulsion. Journal of Composites Science, 2021, 5, 174.	1.4	6
34	Optimum design of a microstrip ring resonator sensor to determine the moisture content in oil palm fruits and seeds. BioResources, 2019, 14, 1819-1837.	0.5	6
35	Fringing Field Correction of Admittance Model for Open-Ended Coaxial Sensor. IEEE Sensors Journal, 2012, 12, 1468-1469.	2.4	5
36	Soil moisture dielectric measurement using microwave sensor system. , 2014, , .		5

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37	ENHANCED FIVE-PORT RING CIRCUIT REFLECTOMETER FOR SYNTHETIC BREAST TISSUE DIELECTRIC DETERMINATION. Progress in Electromagnetics Research C, 2016, 69, 83-95.	0.6	5
38	Physical and Chemical Characterization of Rice Using Microwave and Laboratory Methods. , 0, , .		5
39	Wideband and Compact Wilkinson Power Divider Utilizing Series Delta-Stub and Folded Stepped-Impedance Transmission Line. Radioengineering, 2018, 27, 200-206.	0.3	5
40	High-frequency dielectric analysis of carbon nanofibers from pan precursor at different pyrolysis temperatures. Microwave and Optical Technology Letters, 2018, 60, 2198-2204.	0.9	5
41	Study of single layer microwave absorber based on rice husk Ash/CNTs composites. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 929.	0.7	5
42	Dielectric characterization of various soil types using modified microstrip ring resonators techniques. Microwave and Optical Technology Letters, 2014, 56, 2498-2502.	0.9	4
43	Compact and wideband modified wilkinson power dividers. , 2017, , .		4
44	Frequency spectrum analysis of lightweight foamed concrete using microwave dielectric measurement technique. Microwave and Optical Technology Letters, 2019, 61, 818-824.	0.9	4
45	A HIGH RETURN LOSS OF MICROWAVE BANDPASS FILTER USING SUPERCONDUCTING ELECTROSPUN YBCO NANOSTRUCTURES. Progress in Electromagnetics Research C, 2018, 81, 63-75.	0.6	4
46	ELECTROMAGNETIC SHIELDING EFFECTIVENESS OF GYPSUM-MAGNETITE COMPOSITE AT X-BAND FREQUENCY. Progress in Electromagnetics Research Letters, 2019, 86, 21-26.	0.4	4
47	A Review of Oil Palm Fruit Ripeness Monitoring Using Microwave Techniques in Malaysia. IOP Conference Series: Materials Science and Engineering, 2020, 767, 012007.	0.3	4
48	Application of microwave waveguide techniques for investigating the effect of concrete dielectric and reflection properties during curing. Journal of Building Engineering, 2021, 38, 102209.	1.6	4
49	Optimisation of heating uniformity for milk pasteurisation using microwave coaxial slot applicator system. Biosystems Engineering, 2022, 215, 271-282.	1.9	4
50	Application of bandpass filter as a sensor for rice characterization. , 2010, , .		3
51	Compact microstrip S-Band 90° hybrid coupler. , 2013, , .		3
52	Broadband and compact complex ratio measuring unit. Microwave and Optical Technology Letters, 2018, 60, 3039-3045.	0.9	3
53	Formative assessment practices in undergraduate microwave engineering education. International Journal of Electrical Engineering and Education, 2019, , 002072091988175.	0.4	3
54	Improved Formulation for Admittance of Thin and Short Monopole Driving From Coaxial Line Into Dissipative Media. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1246-1249.	2.4	2

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55	Comparative Study Between Measurement and Predictions Using Geometrical Optics and Uniform Theory of Diffraction for Case of Non-Line-of-Sight (NLOS) in Indoor Environment. <i>Wireless Personal Communications</i> , 2013, 71, 2197-2213.	1.8	2
56	Quantifying system performance improvements in a high-density spectrum-sliced channel running at 10 Gb/s using semiconductor optical amplifier gain compression nonlinearities. <i>Optical Engineering</i> , 2013, 52, 106106.	0.5	2
57	Development of a Symmetric Ring Junction as a Four-Port Reflectometer for Complex Reflection Coefficient Measurements. <i>Radioengineering</i> , 2015, 24, 906-911.	0.3	2
58	Tea leaves moisture measurement and prediction using RF waveguide antenna. , 2017, , .		2
59	Precision Permittivity Measurement for Low-Loss Thin Planar Materials Using Large Coaxial Probe from 1 to 400 MHz. <i>Journal of Manufacturing and Materials Processing</i> , 2018, 2, 81.	1.0	2
60	Development of Microwave Reflectometer for Glucose Content Measurements. , 2019, , .		2
61	Development Electronic Design Automation for RF/Microwave Antenna Using MATLAB GUI. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2021, , 70-148.	0.2	2
62	Electromagnetic Metamaterials in Microwave Regime. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2020, , 64-86.	0.2	2
63	Formative Assessment and Classroom Activities of New Era Microwave Engineering Curriculum. <i>Advances in Higher Education and Professional Development Book Series</i> , 2020, , 254-289.	0.1	2
64	Investigate the Effect of Dielectric Properties on Microwave Absorption of Pyramidal Microwave Absorber. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i> , 2022, 21, 328-336.	0.4	2
65	Analytical and Numerical Analysis of Fringing Field at Aperture Open-Ended Waveguides. , 2008, , .		1
66	Portable Microwave Instrumentation System for Determination of Moisture Content in Oil Palm Fruits. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 120219.	0.8	1
67	Transmission wave modelling and calibration in cavity of open-ended rectangular waveguide. , 2011, , .		1
68	Broken Rice Detection Based on Transmission Power Measurement Using a Microstrip Wide-Ring Sensor. <i>Advanced Materials Research</i> , 2013, 694-697, 936-939.	0.3	1
69	Dielectric spectroscopy technique for carbohydrate characterization of fragrant rice, brown rice and white rice. , 2017, , .		1
70	Dielectric Measurement using Planar and Curved Microstrip Line. , 2019, , .		1
71	Effect of Blowing Agent to the Dielectric Properties of Polyurethane-Empty Fruit Bunch Composite in X-Band Frequency. <i>Materials Science Forum</i> , 0, 981, 169-175.	0.3	1
72	Emerging Microwave Technologies for Agricultural and Food Processing. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2021, , 94-148.	0.3	1

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73	Nanostructured Electromagnetic Metamaterials for Sensing Applications. Advances in Chemical and Materials Engineering Book Series, 2021, , 141-164.	0.2	1
74	Correlation between Reflection Coefficient, Dielectric Properties and Brix Level of Malaysian Oranges at Microwave Frequencies. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 853.	0.7	1
75	Analytical and Calibration Models for Slot Antennas. Advances in Computer and Electrical Engineering Book Series, 2019, , 57-100.	0.2	1
76	Analysis on Monopole Antenna for Moisture Determination in Oil Palm Fruit Using Finite Difference Method. Journal of Electrical Engineering and Technology, 2016, 11, 1754-1762.	1.2	1
77	Normal Incidence Sound Absorption Coefficient of Direct Piercing Carved Wood Panel with Daun Sireh Motif using Boundary Element Method. International Journal of Automotive and Mechanical Engineering, 2013, 7, 1043-1052.	0.5	1
78	Development of Compact P-Band Vector Reflectometer. International Journal of Electrical and Computer Engineering, 2017, 7, 791.	0.5	1
79	Computer-Aided Design and Applications of Planar Branch-Line Coupler Circuits. Advances in Computer and Electrical Engineering Book Series, 2020, , 1-63.	0.2	1
80	Milk Pasteurization and Characterization Using Mono-Mode Microwave Reactor and Slotted Coaxial Antenna. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 107-138.	0.3	1
81	Modeling of Coaxial Slot Waveguides Using Analytical and Numerical Approaches: Revisited. International Journal of Antennas and Propagation, 2012, 2012, 1-12.	0.7	0
82	Study on Dielectric and Magnetic Properties of MWCNTs/Polyester Composites. Applied Mechanics and Materials, 2015, 815, 188-192.	0.2	0
83	Evaluation of the Equivalent Lumped Element Parameters of Modified Microstrip Ring Resonator. Applied Mechanics and Materials, 2015, 735, 278-281.	0.2	0
84	Study on moisture content in animal fats using Six-Port Reflectometer (SPR). , 2015, , .		0
85	Tea leaves moisture prediction using one-port monopole sensor. , 2017, , .		0
86	Ultra-wideband and Off-optimised Five-Port Reflectometer using Power Splitters. , 2018, , .		0
87	Wideband Reflectometer Design Using Complex Ratio Measuring Unit and Broadband Directional Coupler. , 2019, , .		0
88	Antennas for Sensing Applications. , 2021, , .		0
89	Determination of density and compressive strength of lightweight foamed concrete using frequency domain approach. Microwave and Optical Technology Letters, 2021, 63, 2153-2159.	0.9	0
90	The Design of Virtual Laboratories in Microwave Engineering Education. Advances in Educational Technologies and Instructional Design Book Series, 2021, , 167-187.	0.2	0

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91	Beam Controller Antenna for WiMAX Application. Advanced Science Letters, 2017, 23, 5130-5132.	0.2	0
92	Dielectric and Magnetic Properties of Epoxy with Dispersed Iron Phosphate Glass Particles by Microwave Measurement. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2020, 19, 165-176.	0.4	0
93	Microwave Complex-Ratio-Measuring Circuits. Advances in Computer and Electrical Engineering Book Series, 2020, , 87-122.	0.2	0
94	A Review of Agricultural Product Characterization Using Microwave Sensor. Lecture Notes in Electrical Engineering, 2022, , 435-443.	0.3	0
95	RF/Microwave Instruments Evolution. Advances in Computer and Electrical Engineering Book Series, 2022, , 183-231.	0.2	0