

Ee Meng Cheng

List of Publications by Year in descending order

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70
papers

507
citations

759233

12
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73
all docs

73
docs citations

73
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterisation of packaging film from Napier cellulose nanowhisker reinforced polylactic acid (PLA) bionanocomposites. International Journal of Biological Macromolecules, 2021, 187, 43-53.	7.5	42
2	RUBBER TIRE DUST-RICE HUSK PYRAMIDAL MICROWAVE ABSORBER. Progress in Electromagnetics Research, 2011, 117, 449-477.	4.4	39
3	Determination of Moisture Content in Oil Palm Fruits Using a Five-Port Reflectometer. Sensors, 2011, 11, 4073-4085.	3.8	31
4	In vitro degradation of a 3D porous Pennisetum purpureum/PLA biocomposite scaffold. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 74, 383-391.	3.1	30
5	Precise Moisture Monitoring for Various Soil Types Using Handheld Microwave-Sensor Meter. IEEE Sensors Journal, 2013, 13, 2563-2570.	4.7	29
6	Optical properties of ultraphosphate glasses containing mixed divalent zinc and magnesium ions. Optical Materials, 2013, 35, 629-633.	3.6	24
7	EXPERIMENTAL DETERMINATION OF THE PERFORMANCE OF RICE HUSK-CARBON NANOTUBE COMPOSITES FOR ABSORBING MICROWAVE SIGNALS IN THE FREQUENCY RANGE OF 12.4-18 GHZ. Progress in Electromagnetics Research, 2013, 140, 795-812.	4.4	23
8	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. Progress in Electromagnetics Research, 2012, 129, 559-578.	4.4	22
9	The State of Starch/Hydroxyapatite Composite Scaffold in Bone Tissue Engineering with Consideration for Dielectric Measurement as an Alternative Characterization Technique. Materials, 2021, 14, 1960.	2.9	20
10	Effect of thermal ageing on the scratch resistance of natural-fibre-reinforced epoxy composites. Composite Structures, 2021, 261, 113586.	5.8	18
11	EMI SHIELDING EFFECTIVENESS OF COMPOSITES BASED ON BARIUM FERRITE, PANI, AND MWCNT. Progress in Electromagnetics Research M, 2016, 52, 79-87.	0.9	17
12	DIELECTRIC MEASUREMENTS FOR LOW-LOSS MATERIALS USING TRANSMISSION PHASE-SHIFT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	15
13	Composites Based on Rice Husk Ash/Polyester for Use as Microwave Absorber. Lecture Notes in Electrical Engineering, 2015, , 41-48.	0.4	13
14	Low Frequency Dielectric and Optical Behavior on Physicochemical Properties of Hydroxyapatite/Cornstarch Composite. Journal of Colloid and Interface Science, 2021, 600, 187-198.	9.4	12
15	Non-destructive Dielectric Measurements and Calibration for Thin Materials Using Waveguide-Coaxial Adaptors. Measurement Science Review, 2014, 14, 16-24.	1.0	10
16	ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING PERFORMANCE OF THE TERNARY COMPOSITE BASED ON BAFE₁₂O₁₉, MWCNT AND PANI AT THE KU-BAND. Progress in Electromagnetics Research M, 2016, 52, 111-118.	0.9	10
17	Morphological and optical properties of porous hydroxyapatite/cornstarch (HAp/Cs) composites. Journal of Materials Research and Technology, 2020, 9, 14267-14282.	5.8	10
18	Dielectric and material analysis on physicochemical activity of porous hydroxyapatite/cornstarch composites. International Journal of Biological Macromolecules, 2021, 166, 1543-1553.	7.5	10

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19	DESIGNING ASIAN-SIZED HAND MODEL FOR SAR DETERMINATION AT GSM900/1800: SIMULATION PART. Progress in Electromagnetics Research, 2012, 129, 439-467.	4.4	9
20	Study of Dual Open Ended Coaxial Sensor System for Calculation of Phase Using Two Magnitudes. IEEE Sensors Journal, 2014, 14, 129-134.	4.7	9
21	Effect of natural filler loading, multi-walled carbon nanotubes (MWCNTs), and moisture absorption on the dielectric constant of natural filled epoxy composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114744.	3.5	9
22	Monitoring Moisture Content for Various Kind of Tea Leaves in Drying Processes Using RF Reflectometer-Sensor System. Instruments, 2018, 2, 18.	1.8	8
23	Physical, thermal, and mechanical properties of highly porous polylactic acid/cellulose nanofibre scaffolds prepared by salt leaching technique. Nanotechnology Reviews, 2021, 10, 1469-1483.	5.8	8
24	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.	0.9	6
25	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.	1.2	6
26	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. Bulletin of Materials Science, 2020, 43, 1.	1.7	6
27	Biodegradation of PLA- <i>Pennisetum purpureum</i> based biocomposite scaffold. Journal of Physics: Conference Series, 2017, 908, 012029.	0.4	5
28	Influence of distilled water and alkaline solution on the scratch resistance properties of Napier fibre filled epoxy (NFFE) composites. Journal of Materials Research and Technology, 2020, 9, 14412-14424.	5.8	5
29	Dielectric Properties of Hydrothermally Modified Potato, Corn, and Rice Starch. Agriculture (Switzerland), 2022, 12, 783.	3.1	5
30	Frequency spectrum analysis of lightweight foamed concrete using microwave dielectric measurement technique. Microwave and Optical Technology Letters, 2019, 61, 818-824.	1.4	4
31	Metal shape classification of buried object using multilayer perceptron neural network in GPR data. IOP Conference Series: Materials Science and Engineering, 2019, 705, 012028.	0.6	4
32	A Review of Oil Palm Fruit Ripeness Monitoring Using Microwave Techniques in Malaysia. IOP Conference Series: Materials Science and Engineering, 2020, 767, 012007.	0.6	4
33	Development of five port reflectometer for reflection based sensing system. AIP Conference Proceedings, 2017, , .	0.4	3
34	The Study of Brown Rice Starch Effect On Hydroxyapatite Composites. International Journal of Engineering and Technology(UAE), 2018, 7, 69.	0.3	3
35	Finite Element Simulation on Railway Wheels under Various Loading. IOP Conference Series: Materials Science and Engineering, 0, 429, 012002.	0.6	3
36	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. Wireless Personal Communications, 2013, 71, 2197-2213.	2.7	2

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37	An experimental thickness of microwave absorber effect absorption in Ku-band frequency. , 2013, , .		2
38	Difference loss tangent layer microwave absorber effect absorption in X-band frequency. , 2013, , .		2
39	Development of a Symmetric Ring Junction as a Four-Port Reflectometer for Complex Reflection Coefficient Measurements. Radioengineering, 2015, 24, 906-911.	0.6	2
40	Study on 10 GHz electromagnetic wave absorption of cullet doped with iron (II, III) oxide. , 2015, , .		2
41	Improvement of cam performance curve using B-Spline curve. Journal of Physics: Conference Series, 2017, 908, 012043.	0.4	2
42	Characterization and modeling of curvature sensor for microwave measurements. , 2017, , .		2
43	Electromagnetic Properties Performance of MWCNTs/Polyester Composites in X-band. MATEC Web of Conferences, 2018, 150, 06014.	0.2	2
44	Development of Microwave Reflectometer for Glucose Content Measurements. , 2019, , .		2
45	Dielectric properties of kenaf filled epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012047.	0.6	2
46	Structural Analysis on the Coil Spring of Motorcycle Suspension System. Journal of Physics: Conference Series, 2021, 2051, 012031.	0.4	2
47	Preliminary study of the polymesoda expansa based hydroxyapatite for medical devices coating application. AIP Conference Proceedings, 2020, , .	0.4	2
48	An overview on jaundice measurement and application in biomedical: The potential of non-invasive method. , 2015, , .		1
49	The fabrication and characterization of Hydroxyapatite-Ubi gadong starch based tissue engineering scaffolds. , 2016, , .		1
50	Dielectric spectroscopy technique for carbohydrate characterization of fragrant rice, brown rice and white rice. , 2017, , .		1
51	DEVELOPMENT AND EVALUATION OF BAFE12O19-PANI-MWCNT COMPOSITE FOR ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING. Progress in Electromagnetics Research C, 2018, 80, 55-64.	0.9	1
52	Flexural properties of hybrid synthetic/Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012034.	0.6	1
53	Dielectric Measurement using Planar and Curved Microstrip Line. , 2019, , .		1
54	Impact response performance of pineapple leaf fibre (PALF)/carbon reinforced hybrid composite. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012029.	0.6	1

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55	Comparative Study between Wearable Sensor and Cuff Arm Blood Pressure Meter in Measuring Blood Pressure and Heart Rate Monitor Using Statistical Approach. Journal of Physics: Conference Series, 2020, 1529, 022082.	0.4	1
56	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.	2.0	1
57	Characterisation of Biocomposite Film with Napier based Nanocrystalline Cellulose. Journal of Physics: Conference Series, 2021, 2051, 012016.	0.4	1
58	Modelling of Multi-Axial Ultimate Elastic Wall Stress (UEWS) Test for Glass Fibre Reinforced Epoxy (GRE) Composite Pipes. Applied Mechanics and Materials, 2013, 367, 113-117.	0.2	0
59	Fracture Characteristics of Shear Adhesive Dissimilar Joint. Applied Mechanics and Materials, 0, 606, 165-169.	0.2	0
60	Study on moisture content in animal fats using Six-Port Reflectometer (SPR). , 2015, , .		0
61	Air flow quality analysis of modenas engine exhaust system. AIP Conference Proceedings, 2017, , .	0.4	0
62	Analysis of airbox performance improvement for Modenas model by geometrical analysis. Journal of Physics: Conference Series, 2017, 908, 012068.	0.4	0
63	Sound Transmission Loss Analysis for Laminated Glass and Perspex. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012008.	0.6	0
64	Ultra-wideband and Off-optimised Five-Port Reflectometer using Power Splitters. , 2018, , .		0
65	Dielectric properties of Nephelium Lappaceum tropical wood. AIP Conference Proceedings, 2020, , .	0.4	0
66	The study of monosodium glutamate application as a cross linker in tissue scaffold application. AIP Conference Proceedings, 2020, , .	0.4	0
67	Determination of density and compressive strength of lightweight foamed concrete using frequency domain approach. Microwave and Optical Technology Letters, 2021, 63, 2153-2159.	1.4	0
68	Polylactic Acid (PLA) Bio-Composite Film Reinforced with Nanocrystalline Cellulose from Napier Fibers. Lecture Notes in Mechanical Engineering, 2021, , 997-1003.	0.4	0
69	Effect of synthetic fibres on tensile properties of Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 0, 670, 012019.	0.6	0
70	Regression Analysis of the Dielectric and Morphological Properties for Porous Nanohydroxyapatite/Starch Composites: A Correlative Study. International Journal of Molecular Sciences, 2022, 23, 5695.	4.1	0