

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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752698

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73
all docs

73
docs citations

73
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Regression Analysis of the Dielectric and Morphological Properties for Porous Nanohydroxyapatite/Starch Composites: A Correlative Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5695.	4.1	0
2	Dielectric Properties of Hydrothermally Modified Potato, Corn, and Rice Starch. <i>Agriculture (Switzerland)</i> , 2022, 12, 783.	3.1	5
3	Dielectric and material analysis on physicochemical activity of porous hydroxyapatite/cornstarch composites. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1543-1553.	7.5	10
4	Determination of density and compressive strength of lightweight foamed concrete using frequency domain approach. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 2153-2159.	1.4	0
5	Effect of thermal ageing on the scratch resistance of natural-fibre-reinforced epoxy composites. <i>Composite Structures</i> , 2021, 261, 113586.	5.8	18
6	The State of Starch/Hydroxyapatite Composite Scaffold in Bone Tissue Engineering with Consideration for Dielectric Measurement as an Alternative Characterization Technique. <i>Materials</i> , 2021, 14, 1960.	2.9	20
7	Development and characterisation of packaging film from Napier cellulose nanowhisker reinforced polylactic acid (PLA) bionanocomposites. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 43-53.	7.5	42
8	Low Frequency Dielectric and Optical Behavior on Physicochemical Properties of Hydroxyapatite/Cornstarch Composite. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 187-198.	9.4	12
9	Polylactic Acid (PLA) Bio-Composite Film Reinforced with Nanocrystalline Cellulose from Napier Fibers. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 997-1003.	0.4	0
10	Physical, thermal, and mechanical properties of highly porous polylactic acid/cellulose nanofibre scaffolds prepared by salt leaching technique. <i>Nanotechnology Reviews</i> , 2021, 10, 1469-1483.	5.8	8
11	Characterisation of Biocomposite Film with Napier based Nanocrystalline Cellulose. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012016.	0.4	1
12	Structural Analysis on the Coil Spring of Motorcycle Suspension System. <i>Journal of Physics: Conference Series</i> , 2021, 2051, 012031.	0.4	2
13	Effect of natural filler loading, multi-walled carbon nanotubes (MWCNTs), and moisture absorption on the dielectric constant of natural filled epoxy composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114744.	3.5	9
14	Morphological and optical properties of porous hydroxyapatite/cornstarch (HAp/Cs) composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14267-14282.	5.8	10
15	A Review of Oil Palm Fruit Ripeness Monitoring Using Microwave Techniques in Malaysia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 767, 012007.	0.6	4
16	Influence of distilled water and alkaline solution on the scratch resistance properties of Napier fibre filled epoxy (NFFE) composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14412-14424.	5.8	5
17	Fabrication and characterization of three-dimensional porous cornstarch/n-HAp biocomposite scaffold. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	6
18	Dielectric properties of Nephelium Lappaceum tropical wood. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0

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19	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
20	The study of monosodium glutamate application as a cross linker in tissue scaffold application. AIP Conference Proceedings, 2020, , .	0.4	0
21	Preliminary study of the polymesoda expansa based hydroxyapatite for medical devices coating application. AIP Conference Proceedings, 2020, , .	0.4	2
22	Frequency spectrum analysis of lightweight foamed concrete using microwave dielectric measurement technique. Microwave and Optical Technology Letters, 2019, 61, 818-824.	1.4	4
23	Development of Microwave Reflectometer for Glucose Content Measurements. , 2019, , .		2
24	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
25	Dielectric properties of kenaf filled epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012047.	0.6	2
26	Flexural properties of hybrid synthetic/Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012034.	0.6	1
27	Dielectric Measurement using Planar and Curved Microstrip Line. , 2019, , .		1
28	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
29	Electromagnetic Properties Performance of MWCNTs/Polyester Composites in X-band. MATEC Web of Conferences, 2018, 150, 06014.	0.2	2
30	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
31	Sound Transmission Loss Analysis for Laminated Glass and Perspex. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012008.	0.6	0
32	The Study of Brown Rice Starch Effect On Hydroxyapatite Composites. International Journal of Engineering and Technology(UAE), 2018, 7, 69.	0.3	3
33	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
34	Ultra-wideband and Off-optimised Five-Port Reflectometer using Power Splitters. , 2018, , .		0
35	Monitoring Moisture Content for Various Kind of Tea Leaves in Drying Processes Using RF Reflectometer-Sensor System. Instruments, 2018, 2, 18.	1.8	8
36	Development of five port reflectometer for reflection based sensing system. AIP Conference Proceedings, 2017, , .	0.4	3

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37	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
38	Improvement of cam performance curve using B-Spline curve. Journal of Physics: Conference Series, 2017, 908, 012043.	0.4	2
39	Dielectric spectroscopy technique for carbohydrate characterization of fragrant rice, brown rice and white rice. , 2017, , .		1
40	Biodegradation of PLA- <i>Pennisetum purpureum</i> based biocomposite scaffold. Journal of Physics: Conference Series, 2017, 908, 012029.	0.4	5
41	Characterization and modeling of curvature sensor for microwave measurements. , 2017, , .		2
42	Air flow quality analysis of modenas engine exhaust system. AIP Conference Proceedings, 2017, , .	0.4	0
43	Analysis of airbox performance improvement for Modenas model by geometrical analysis. Journal of Physics: Conference Series, 2017, 908, 012068.	0.4	0
44	ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING PERFORMANCE OF THE TERNARY COMPOSITE BASED ON BAFE ₁₂ O ₁₉ , MWCNT AND PANI AT THE KU-BAND. Progress in Electromagnetics Research M, 2016, 52, 111-118.	0.9	10
45	EMI SHIELDING EFFECTIVENESS OF COMPOSITES BASED ON BARIUM FERRITE, PANI, AND MWCNT. Progress in Electromagnetics Research M, 2016, 52, 79-87.	0.9	17
46	The fabrication and characterization of Hydroxyapatite-Ubi gadong starch based tissue engineering scaffolds. , 2016, , .		1
47	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
48	Development of a Symmetric Ring Junction as a Four-Port Reflectometer for Complex Reflection Coefficient Measurements. Radioengineering, 2015, 24, 906-911.	0.6	2
49	DIELECTRIC MEASUREMENTS FOR LOW-LOSS MATERIALS USING TRANSMISSION PHASE-SHIFT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	15
50	Composites Based on Rice Husk Ash/Polyester for Use as Microwave Absorber. Lecture Notes in Electrical Engineering, 2015, , 41-48.	0.4	13
51	An overview on jaundice measurement and application in biomedical: The potential of non-invasive method. , 2015, , .		1
52	Study on moisture content in animal fats using Six-Port Reflectometer (SPR). , 2015, , .		0
53	Study on 10 GHz electromagnetic wave absorption of cullet doped with iron (II, III) oxide. , 2015, , .		2
54	Non-destructive Dielectric Measurements and Calibration for Thin Materials Using Waveguide-Coaxial Adaptors. Measurement Science Review, 2014, 14, 16-24.	1.0	10

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55	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
56	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
57	An experimental thickness of microwave absorber effect absorption in Ku-band frequency. , 2013, , .		2
58	Optical properties of ultraphosphate glasses containing mixed divalent zinc and magnesium ions. Optical Materials, 2013, 35, 629-633.	3.6	24
59	Precise Moisture Monitoring for Various Soil Types Using Handheld Microwave-Sensor Meter. IEEE Sensors Journal, 2013, 13, 2563-2570.	4.7	29
60	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
61	Difference loss tangent layer microwave absorber effect absorption in X-band frequency. , 2013, , .		2
62	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
63	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
64	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
65	DESIGNING ASIAN-SIZED HAND MODEL FOR SAR DETERMINATION AT GSM900/1800: SIMULATION PART. Progress in Electromagnetics Research, 2012, 129, 439-467.	4.4	9
66	RUBBER TIRE DUST-RICE HUSK PYRAMIDAL MICROWAVE ABSORBER. Progress in Electromagnetics Research, 2011, 117, 449-477.	4.4	39
67	Determination of Moisture Content in Oil Palm Fruits Using a Five-Port Reflectometer. Sensors, 2011, 11, 4073-4085.	3.8	31
68	Fracture Characteristics of Shear Adhesive Dissimilar Joint. Applied Mechanics and Materials, 0, 606, 165-169.	0.2	0
69	Finite Element Simulation on Railway Wheels under Various Loading. IOP Conference Series: Materials Science and Engineering, 0, 429, 012002.	0.6	3
70	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