

MMazlan

List of Publications by Year in descending order

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100
papers

968
citations

623188

14
h-index

552369

26
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103
all docs

103
docs citations

103
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel approach of synchronization of the sustainable grid with an intelligent local hybrid renewable energy control. <i>International Journal of Energy and Environmental Engineering</i> , 2023, 14, 35-46.	1.3	7
2	Hybrid solar desalination system for generation electricity and freshwater with nanofluid application: Energy, exergy, and environmental aspects. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 50, 101716.	1.7	12
3	Applying Solar Energy in the Combination of Solar Dryer with Olive Harvesting Machine to Reduce Energy Losses. <i>Sustainability</i> , 2022, 14, 1091.	1.6	2
4	Sustainable Design of a Near-Zero-Emissions Building Assisted by a Smart Hybrid Renewable Microgrid. <i>International Journal of Renewable Energy Development</i> , 2022, 11, 471-480.	1.2	10
5	Modeling for extraction of oil from walnut and sesame using batch flow cold press oil extraction system. <i>Food Science and Nutrition</i> , 2022, 10, 1211-1221.	1.5	7
6	Analytical Study of the Impact of Solidity, Chord Length, Number of Blades, Aspect Ratio and Airfoil Type on H-Rotor Darrieus Wind Turbine Performance at Low Reynolds Number. <i>Sustainability</i> , 2022, 14, 2623.	1.6	5
7	Flexible Photovoltaic System on Non-Conventional Surfaces: A Techno-Economic Analysis. <i>Sustainability</i> , 2022, 14, 3566.	1.6	12
8	The Differential Impact of Various Injection Pressures on the Exergy of a Diesel Engine Using Biodiesel-Diesel Fuel Blends. <i>Sustainability</i> , 2022, 14, 345.	1.6	2
9	Finite element analysis using solidwork software on innovative anti-animal trash bin. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
10	Leucaena leucocephala biomass treated with sodium dodecylbenzene sulfonate (SDBS) as an adsorbent for malachite green uptake from contaminated water. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
11	Effect of styrene butadiene rubber on torque properties and morphological properties of kenaf core fiber reinforced polypropylene composites. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
12	Modification of activated carbon with cationic surfactant for heavy metals removal. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
13	Prediction of power generation and rotor angular speed of a small wind turbine equipped to a controllable duct using artificial neural network and multiple linear regression. <i>Environmental Research</i> , 2021, 196, 110434.	3.7	24
14	The rotor-stator type hydrodynamic cavitation reactor approach for enhanced biodiesel fuel production. <i>Fuel</i> , 2021, 283, 118821.	3.4	33
15	Optimization and investigation the effects of using biodiesel-ethanol blends on the performance and emission characteristics of a diesel engine by genetic algorithm. <i>Fuel</i> , 2021, 289, 119753.	3.4	40
16	A review of industrial waste heat recovery system for power generation with Organic Rankine Cycle: Recent challenges and future outlook. <i>Journal of Cleaner Production</i> , 2021, 287, 125070.	4.6	152
17	Bio-nano emulsion fuel based on graphene quantum dot nanoparticles for reducing energy consumption and pollutants emission. <i>Energy</i> , 2021, 218, 119551.	4.5	14
18	Investigating the contribution of carbon nanotubes and diesel-biodiesel blends to emission and combustion characteristics of diesel engine. <i>Fuel</i> , 2021, 285, 119046.	3.4	19

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19	Assessment of a solar-driven cogeneration system for electricity and desalination. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1711-1731.	2.0	5
20	Timeâ€“Frequency Analysis of Diesel Engine Noise Using Biodiesel Fuel Blends. <i>Sustainability</i> , 2021, 13, 3489.	1.6	10
21	Kaedah Gelombang Mikro: Alternatif Sintesis Sebatian Heterosiklik Konvensional. <i>Sains Malaysiana</i> , 2021, 50, 1007-1016.	0.3	1
22	A systematic review on graphene-based nanofluids application in renewable energy systems: Preparation, characterization, and thermophysical properties. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101058.	1.7	19
23	Life Cycle Assessment (LCA) of Particleboard: Investigation of the Environmental Parameters. <i>Polymers</i> , 2021, 13, 2043.	2.0	9
24	Enhancing the Decolorization of Methylene Blue Using a Low-Cost Super-Absorbent Aided by Response Surface Methodology. <i>Molecules</i> , 2021, 26, 4430.	1.7	5
25	Sago starch nanocrystal-stabilized Pickering emulsions: Stability and rheological behavior. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 197-206.	3.6	22
26	Performance enhancement of a hybrid photovoltaic-thermal-thermoelectric (PVT-TE) module using nanofluid-based cooling: Indoor experimental tests and multi-objective optimization. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101276.	1.7	16
27	Structure, physicochemical and toxicity properties of underused malaysian native Tuberâ€™s starch (<i>Dioscorea Pentaphylla</i>). <i>Journal of King Saud University - Science</i> , 2021, 33, 101501.	1.6	4
28	Thermal efficiency analysis of a nanofluid-based micro combined heat and power system using CNG and biogas. <i>Energy</i> , 2021, 231, 120870.	4.5	7
29	Machining of Carbon Fibre Reinforced Polymer Composites: A Preliminary Investigation of High Power Fibre Laser. <i>Sains Malaysiana</i> , 2021, 50, 2727-2741.	0.3	1
30	Thermal efficiency analysis of the phase change material (PCM) microcapsules. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101557.	1.7	1
31	Occurrence, distribution and characteristics of microplastics in gastrointestinal tract and gills of commercial marine fish from Malaysia. <i>Science of the Total Environment</i> , 2021, 799, 149457.	3.9	62
32	Hidrogel Berasaskan Pektin Kulit Buah Naga (<i>Hylocereus polyrhizus</i>) sebagai Pembawa Ubat melalui Sistem Penghantar Oral. <i>Sains Malaysiana</i> , 2021, 50, 3263-3273.	0.3	0
33	Methods for improving the in-cylinder airflow characteristics for sustainable transportation using fuels with higher viscosity: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 155, 111882.	8.2	1
34	Ecowood Composites Made using Citric-Acidmodified Corn and Oil Palm Starches as the Binder. <i>Mechanics of Composite Materials</i> , 2020, 56, 397-408.	0.9	0
35	Numerical Investigation of the Characteristics of the In-Cylinder Air Flow in a Compression-Ignition Engine for the Application of Emulsified Biofuels. <i>Processes</i> , 2020, 8, 1517.	1.3	5
36	Impact of water â€“ biodiesel â€“ diesel nano-emulsion fuel on performance parameters and diesel engine emission. <i>Fuel</i> , 2020, 280, 118576.	3.4	63

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37	Improving wood durability against <i>G. Trabeum</i> and <i>C. versicolor</i> using starch based antifungal coating from <i>Dioscorea hispida</i> sp.. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 115, 242-250.	2.7	4
38	Electrodeposition of Ni-Co/nano Al ₂ O ₃ composite coating on low carbon steel and its characterization. <i>International Journal of Electrochemical Science</i> , 2020, 15, 6343-6358.	0.5	5
39	Numerical Investigation of the Effect of Incorporated Guide Vane Length with SCC Piston for High-Viscosity Fuel Applications. <i>Processes</i> , 2020, 8, 1328.	1.3	2
40	Effect of Plasma Flow in Plasma MIG Welding Process to the Microstructure Refinement at Heat Affected Zone of As-Welded Carbon Steel. <i>Materials Science Forum</i> , 2020, 1010, 15-20.	0.3	3
41	Mechanical and Thermal Properties of Hybrid Non-Woven Kenaf Fibre Mat-Graphene Nanoplatelets reinforced Polypropylene Composites. <i>Materials Science Forum</i> , 2020, 1010, 124-129.	0.3	2
42	Particleboard Based on Glutardialdehyde Treated Oil Palm Trunk Particles Made at Different Pressing Temperatures. <i>Materials Science Forum</i> , 2020, 1010, 483-488.	0.3	1
43	Augmentation of the Delamination Factor in Drilling of Carbon Fibre-Reinforced Polymer Composites (CFRP). <i>Polymers</i> , 2020, 12, 2461.	2.0	15
44	Formation of Antihyperlipidemic Nano-Ezetimibe from Volatile Microemulsion Template for Enhanced Dissolution Profile. <i>Langmuir</i> , 2020, 36, 7908-7915.	1.6	14
45	Mechanical and physical properties of non-woven kenaf fibre mat reinforced polypropylene composites prepared by compression molding. , 2020, , .		0
46	Improving the efficiency of post-digestion method in extracting microplastics from gastrointestinal tract and gills of fish. <i>Chemosphere</i> , 2020, 260, 127649.	4.2	24
47	Copper alloy reinforced by graphene by powder metallurgy technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
48	Mechanical Properties of Coconut Shell Reinforced Unsaturated Polyester Composites with the Presence of Titanium Dioxide as Additional Filler. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 743, 012039.	0.3	1
49	Effect of chemical treatment on mechanical and physical properties of non-woven kenaf fiber mat reinforced polypropylene biocomposites. , 2020, , .		6
50	The effect of titanium dioxide to enhance physical properties of coconut shell reinforced unsaturated polyester composites. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
51	Citric acid-modified starch as an environmentally friendly binder for wood composite making. <i>BioResources</i> , 2020, 15, 4234-4248.	0.5	9
52	A study of tensile strength of MIG welding-brazing dissimilar lap joints of mild steel and aluminum alloy. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
53	Development of foam porous media to undergo surface and submerged flame during premixed combustion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 505, 012123.	0.3	2
54	Kenaf cellulose nanofibrils as mechanical enhancers of composite brick. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3

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55	Influence of reaction layer thickness on surface/submerged flame during porous media combustion of micro burner. IOP Conference Series: Materials Science and Engineering, 2019, 508, 012072.	0.3	1
56	Comparative study on porous media combustion characteristics using different discrete materials. MATEC Web of Conferences, 2018, 153, 01007.	0.1	4
57	Investigation of micro burner performance during porous media combustion for surface and submerged flames. IOP Conference Series: Materials Science and Engineering, 2018, 370, 012049.	0.3	2
58	Study on Dimensional Stability of Particleboard Made Using Glutardialdehyde Modified Corn Starch as the Binder at Various Relative Humidity. International Journal of Engineering and Technology(UAE), 2018, 7, 19.	0.2	3
59	Fungal Resistance of Particleboard Made Using Glutardialdehyde Modified Corn Starch as the Binder with the Aid of Urea Formaldehyde Resin. International Journal of Engineering and Technology(UAE), 2018, 7, 23.	0.2	2
60	Finite element analysis of heat sink in term of thermal and temperature distribution with different chip power input. International Journal of Engineering and Technology(UAE), 2018, 7, 90.	0.2	3
61	The effect of torrefaction on oil palm empty fruit bunch properties using microwave irradiation. Journal of Fundamental and Applied Sciences, 2018, 9, 924.	0.2	8
62	Experiential study on temperature and emission performance of micro burner during porous media combustion. IOP Conference Series: Materials Science and Engineering, 2018, 370, 012057.	0.3	2
63	A review of incorporating Nd:YAG laser cleaning principal in automotive industry. Journal of Radiation Research and Applied Sciences, 2018, 11, 393-402.	0.7	53
64	Influence of torrefaction on chemical compositions of empty fruit bunch (EFB) biomass using microwave heating. International Journal of Advanced and Applied Sciences, 2017, 4, 281-286.	0.2	2
65	Morphology and bonding analysis of torrefied empty fruit bunch materials. International Journal of Advanced and Applied Sciences, 2017, 4, 302-308.	0.2	6
66	Sonochemically Assisted Ni-Ce Oxide Catalyst for Gasification of Coconut Shell. Asian Journal of Chemistry, 2016, 28, 585-588.	0.1	0
67	STUDY ON PERFORMANCE OF CO2 LASER IN PAINT REMOVAL OVER SELECTED NATIONAL CAR MODEL. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
68	Influence of Elemental Compositions in Laser Cleaning for Automotive Coating Systems. Journal of Russian Laser Research, 2016, 37, 197-206.	0.3	8
69	Treatment of Oily Waste Using Activated Carbon from Agriculture Waste. Materials Science Forum, 2016, 840, 432-437.	0.3	5
70	Effects of Soil Physical Properties to the Corrosion of Underground Pipelines. Materials Science Forum, 2016, 840, 309-314.	0.3	8
71	A computational fluid dynamics analysis of the wave soldering process. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 1231-1247.	1.6	3
72	Physical, Mechanical and Morphological Studies on Bio-composite Mixture of Oil Palm Frond and Kenaf Bast Fibers. Journal of Plant Sciences, 2015, 11, 22-30.	0.2	4

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73	Thermal Fluid-Structure Interaction in the Effects of Pin-Through-Hole Diameter during Wave Soldering. <i>Advances in Mechanical Engineering</i> , 2014, 6, 275735.	0.8	25
74	Potential of Upgrading Domestic Biomass into a Higher Energy Density via Torrefaction Process. <i>Advanced Materials Research</i> , 2013, 795, 620-625.	0.3	0
75	Experimental of Wood Gasification in Suction Biomass Gasifier. <i>Advanced Materials Research</i> , 2012, 626, 1020-1026.	0.3	1
76	3-D conjugate heat transfer analysis of PLCC packages mounted in-line on a Printed Circuit Board. <i>International Communications in Heat and Mass Transfer</i> , 2009, 36, 813-819.	2.9	13
77	Electrodeposition and characterization of CdSe semiconductor thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 575-585.	1.1	30
78	Three Dimensional Simulation of Thermal Pad Using Nanomaterial, Nanosilver in Semiconductor and Electronic Component Application. <i>Advanced Materials Research</i> , 0, 626, 980-988.	0.3	3
79	Thermal Management of Electronic Components by Using Computational Fluid Dynamic (CFD) Software, FLUENT TM ; in Several Material Applications (Epoxy, Composite Material) <i>Tj ETQq 1o130.784384 rgBT</i>		
80	Feed Rate Influence on Motion Error Characteristics of CNC Vertical Milling Machine. <i>Applied Mechanics and Materials</i> , 0, 393, 36-41.	0.2	0
81	A New Invention of Thermal Pad Using Sol-Gel Nanosilver Doped Silica Film in Plastic Leaded Chip Carrier (PLCC) Application by Using Computational Fluid Dynamic Software, CFD Analysis. <i>Advanced Materials Research</i> , 0, 795, 158-163.	0.3	7
82	Numerical Investigation of Heat Transfer of Twelve Plastic Leaded Chip Carrier (PLCC) by Using Computational Fluid Dynamic, FLUENT TM ; Software. <i>Advanced Materials Research</i> , 0, 795, 603-610.	0.3	5
83	Strength of Concrete with Ceramic Waste and Quarry Dust as Aggregates. <i>Applied Mechanics and Materials</i> , 0, 421, 390-394.	0.2	18
84	Performance and Emission Characteristics of Diesel Engine Running on Blended Palm Oil. <i>Advanced Materials Research</i> , 0, 795, 164-169.	0.3	4
85	The Comparison between Four PLCC Packages and Eight PLCC Packages in Personal Computer (PC) Using Computational Fluid Dynamic (CFD), FLUENT TM ; Using Epoxy Moulding Compound Material (EMC). <i>Advanced Materials Research</i> , 0, 795, 174-181.	0.3	3
86	Machining Performance of Reinforced Alumina Insert in End Milling of AISI 1018 Steel. <i>Advanced Materials Research</i> , 0, 795, 597-602.	0.3	1
87	Comparison between Thermal Interface Materials Made of Nano Carbon Tube (NCT) with Gad Pad 2500 in Term of Junction Temperature by Using CFD Software, Fluent TM ;. <i>Materials Science Forum</i> , 0, 803, 243-249.	0.3	3
88	Simulation of Nano Carbon Tube (NCT) in Thermal Interface Material for Electronic Packaging Application by Using CFD Software. <i>Materials Science Forum</i> , 0, 803, 337-342.	0.3	4
89	Microscopic Study on the Corrosion of Underground Pipeline. <i>Key Engineering Materials</i> , 0, 694, 172-176.	0.4	2
90	Waste Banana Peel and its Potentialization in Agricultural Applications: Morphology Overview. <i>Materials Science Forum</i> , 0, 840, 394-398.	0.3	9

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91	Mechanical and Morphological Properties of Meranti Wood Flour Filled Polypropylene Composites. Materials Science Forum, 0, 840, 91-96.	0.3	6
92	Potential of Fabricated Light Foamed Concrete in Reducing Radon from Building Material. Materials Science Forum, 0, 840, 427-431.	0.3	8
93	Effect of Urea Formaldehyde Addition to the Dimensional Stability of Particle Board Made Using Glutardialdehyde Modified Corn Starch as Binder with FT-IR Analysis. Materials Science Forum, 0, 840, 108-111.	0.3	8
94	Mechanical and Water Absorption Properties of Hybrid Kenaf/Glass Fibre Mat Reinforced Unsaturated Polyester Composites. Materials Science Forum, 0, 888, 228-233.	0.3	10
95	Investigations of Outdoor and Indoor $\text{PM}_{2.5}$ Concentrations Level in Academic Building at Universiti Malaysia Kelantan Jeli Campus. Materials Science Forum, 0, 888, 471-476.	0.3	4
96	Determination of Indoor $\text{PM}_{2.5}$ Concentrations Level on Different Room Sizes in Academic Building at Universiti Malaysia Kelantan Jeli Campus. Materials Science Forum, 0, 888, 447-452.	0.3	3
97	The Morphology and Mechanical Study on <i>Neolamarckia cadamba</i> and <i>Endospermum diadenum</i> in Wood Composite for Particleboard Application. Solid State Phenomena, 0, 264, 144-147.	0.3	1
98	The Effects of Altitude Levels on $\text{PM}_{2.5}$ Concentration in Academic Building at Universiti Malaysia Kelantan Jeli Campus. Materials Science Forum, 0, 888, 466-470.	0.3	4
99	Comparison between CNT Thermal Interface Materials with Graphene Thermal Interface Material in Term of Thermal Conductivity. Materials Science Forum, 0, 1010, 160-165.	0.3	3
100	Impregnation of liquid natural rubber (LNR) foam with activated carbon for enhancing oil removal from water. , 0, 187, 232-240.		1