Rizal Samsul

List of Publications by Year
in descending order

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53	1,111	393982	433756
papers	citations	19 h-index	31 g-index

53	53	53	1225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An investigation of thermal conductivity and sound absorption from binderless panels made of oil palm wood as bio-insulation materials. Results in Engineering, 2022, 13, 100319.	2.2	25
2	Investigation of thermal conductivity and physical properties of oil palm trunks/ramie fiber reinforced biopolymer hybrid composites as building bio-insulation. Materials Today: Proceedings, 2022, 60, 373-377.	0.9	10
3	Cotton Wastes Functionalized Biomaterials from Micro to Nano: A Cleaner Approach for a Sustainable Environmental Application. Polymers, 2021, 13, 1006.	2.0	28
4	Properties and Characterization of Lignin Nanoparticles Functionalized in Macroalgae Biopolymer Films. Nanomaterials, 2021, 11, 637.	1.9	17
5	Functional Properties and Molecular Degradation of Schizostachyum Brachycladum Bamboo Cellulose Nanofibre in PLA-Chitosan Bionanocomposites. Molecules, 2021, 26, 2008.	1.7	22
6	Functional Properties of Antimicrobial Neem Leaves Extract Based Macroalgae Biofilms for Potential Use as Active Dry Packaging Applications. Polymers, 2021, 13, 1664.	2.0	16
7	Bionanocarbon Functional Material Characterisation and Enhancement Properties in Nonwoven Kenaf Fibre Nanocomposites. Polymers, 2021, 13, 2303.	2.0	8
8	Propionic Anhydride Modification of Cellulosic Kenaf Fibre Enhancement with Bionanocarbon in Nanobiocomposites. Molecules, 2021, 26, 4248.	1.7	5
9	Characterization of Thermal Bio-Insulation Materials Based on Oil Palm Wood: The Effect of Hybridization and Particle Size. Polymers, 2021, 13, 3287.	2.0	12
10	Isolation of Textile Waste Cellulose Nanofibrillated Fibre Reinforced in Polylactic Acid-Chitin Biodegradable Composite for Green Packaging Application. Polymers, 2021, 13, 325.	2.0	35
11	Functional Properties of Kenaf Bast Fibre Anhydride Modification Enhancement with Bionanocarbon in Polymer Nanobiocomposites. Polymers, 2021, 13, 4211.	2.0	3
12	Preparation and Characterization of Nanocellulose/Chitosan Aerogel Scaffolds Using Chemical-Free Approach. Gels, 2021, 7, 246.	2.1	33
13	Plasticizer Enhancement on the Miscibility and Thermomechanical Properties of Polylactic Acid-Chitin-Starch Composites. Polymers, 2020, 12, 115.	2.0	25
14	Influence of layering pattern of modified kenaf fiber on thermomechanical properties of epoxy composites. Progress in Rubber, Plastics and Recycling Technology, 2020, 36, 47-62.	0.8	11
15	A Review on Revolutionary Natural Biopolymer-Based Aerogels for Antibacterial Delivery. Antibiotics, 2020, 9, 648.	1.5	71
16	Properties of Macroalgae Biopolymer Films Reinforcement with Polysaccharide Microfibre. Polymers, 2020, 12, 2554.	2.0	18
17	The role of silica-containing agro-industrial waste as reinforcement on physicochemical and thermal properties of polymer composites. Heliyon, 2020, 6, e03550.	1.4	14
18	The Role of Two-Step Blending in the Properties of Starch/Chitin/Polylactic Acid Biodegradable Composites for Biomedical Applications. Polymers, 2020, 12, 592.	2.0	14

#	Article	IF	Citations
19	Effect of Mesh Sensitivity and Cohesive Properties on Simulation of Typha Fiber/Epoxy Microbond Test. Computation, 2020, 8, 2.	1.0	6
20	Preparation of Palm Oil Ash Nanoparticles: Taguchi Optimization Method by Particle Size Distribution and Morphological Studies. Applied Sciences (Switzerland), 2020, 10, 985.	1.3	15
21	Hybrid Membrane Distillation and Wet Scrubber for Simultaneous Recovery of Heat and Water from Flue Gas. Entropy, 2020, 22, 178.	1.1	7
22	Evaluation of the thermomechanical properties and biodegradation of brown rice starch-based chitosan biodegradable composite films. International Journal of Biological Macromolecules, 2020, 156, 896-905.	3.6	77
23	Evaluation of Interfacial Fracture Toughness and Interfacial Shear Strength of Typha Spp. Fiber/Polymer Composite by Double Shear Test Method. Materials, 2019, 12, 2225.	1.3	16
24	Oil palm microfiber-reinforced handsheet-molded thermoplastic green composites for sustainable packaging applications. Progress in Rubber, Plastics and Recycling Technology, 2019, 35, 173-187.	0.8	3
25	Properties and Characterization of a PLAâ€“Chitinâ€“Starch Biodegradable Polymer Composite. Polymers, 2019, 11, 1656.	2.0	35
26	Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. Polymers, 2019, 11, 1813.	2.0	41
27	Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. Polymers, 2019, 11, 495.	2.0	37
28	Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. Nano Structures Nano Objects, 2019, 18, 100268.	1.9	41
29	Value-Added Utilization of Agro-Waste Derived Oil Palm Ash in Epoxy Composites. Journal of Renewable Materials, 2019, 7, 1269-1278.	1.1	5
30	The Effect of Chemical Composition on Grain Size and Formability of the Free-Lead Cu-30Zn Alloy: A Short Review. IOP Conference Series: Materials Science and Engineering, 2019, 536, 012019.	0.3	3
31	Tensile properties prediction of natural fibre composites using rule of mixtures: A review. Journal of Reinforced Plastics and Composites, 2019, 38, 211-248.	1.6	47
32	Barrier properties of biocomposites/hybrid films. , 2019, , 241-258.		9
33	Effects of strain rate on failure mechanisms and energy absorption in polymer composites. , 2019, , 51-78.		10
34	Development of seaweed-based bamboo microcrystalline cellulose films intended for sustainable food packaging applications. BioResources, 2019, 14, 3389-3410.	0.5	53
35	Techno-functional Properties of Edible Packaging Films at Different Polysaccharide Blends. Journal of Physical Science, 2019, 30, 23-41.	0.5	9
36	Adsorption of Cu(II) Ions on Areca Catechu Stem-Based Activated Carbon: Optimization Using Response Surface Methodology. International Review on Modelling and Simulations, 2019, 12, 123.	0.2	0

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37	Preparation and Characterization of Microcrystalline Cellulose from Sacred Bali Bamboo as Reinforcing Filler in Seaweed-based Composite Film. Fibers and Polymers, 2018, 19, 423-434.	1.1	43
38	Experimental analysis of using beeswax as phase change materials for limiting temperature rise in building integrated photovoltaics. Case Studies in Thermal Engineering, 2018, 12, 223-227.	2.8	36
39	Enhancement of the Physical, Mechanical, and Thermal Properties of Epoxy-based Bamboo Nanofiber Nanocomposites. BioResources, 2018, 13, .	0.5	9
40	Interfacial Compatibility Evaluation on the Fiber Treatment in the Typha Fiber Reinforced Epoxy Composites and Their Effect on the Chemical and Mechanical Properties. Polymers, 2018, 10, 1316.	2.0	45
41	Hemicellulose and lignin removal on typha fiber by alkali treatment. IOP Conference Series: Materials Science and Engineering, 2018, 352, 012019.	0.3	16
42	Biodegradable Films for Fruits and Vegetables Packaging Application: Preparation and Properties. Food Engineering Reviews, 2018, 10, 139-153.	3.1	90
43	Development and characterization of bamboo fiber reinforced biopolymer films. Materials Research Express, 2018, 5, 085309.	0.8	15
44	Synergistic Effect of Oil Palm Based Pozzolanic Materials/Oil Palm Waste on Polyester Hybrid Composite. Journal of Polymers and the Environment, 2018, 26, 4063-4072.	2.4	8
45	Role of dispersion time on the properties of enzymatic-treated bamboo cellulose nanofibers. Materials Research Express, 2018, 5, 105014.	0.8	7
46	Effects of Corn Starch and Kappaphycus alvarezii Seaweed Blend Concentration on the Optical, Mechanical, and Water Vapor Barrier Properties of Composite Films. BioResources, 2017, 13, .	0.5	8
47	Sulfur Removal in Bio-Briquette Combustion Using Seashell Waste Adsorbent at Low Temperature. Journal of Engineering and Technological Sciences, 2016, 48, 465-481.	0.3	9
48	‹title›Influences of strain rate on yield strength aluminum alloys‹/title›. , 2005, , .		0
49	‹title›The dynamic properties behavior of high strength concrete under different strain rate‹/title›. , 2005, 5852, 56.		1
50	Dimple fracture under short pulse loading. International Journal of Impact Engineering, 2000, 24, 69-83.	2.4	38
51	Fundamental Study on the Carbonization Characteristics of Low Rank Coal Under Low Temperature and its Application on Traditional Blacksmith. Advanced Materials Research, 0, 576, 615-618.	0.3	4
52	Waning anti-SARS-CoV-2 neutralizing antibody in CoronaVac-vaccinated individuals in Indonesia. F1000Research, 0, 11, 300.	0.8	1
53	Effect of elevated temperature on SARS-CoV-2 viability. F1000Research, 0, 11, 403.	0.8	0