

Sinyee Gan

List of Publications by Year in descending order

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38
papers

1,026
citations

394421

19
h-index

434195

31
g-index

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all docs

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docs citations

38
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensile, thermal degradation and water diffusion behaviour of gamma-radiation induced recycled polymer blend/rice husk composites: Experimental and statistical analysis. <i>Composites Science and Technology</i> , 2021, 207, 108748.	7.8	31
2	High loading rice husk green composites: Dimensional stability, tensile behavior and prediction, and combustion properties. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 882-897.	4.2	20
3	Interconnected macropores cryogel with nano-thin crosslinked network regenerated cellulose. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 11-19.	7.5	16
4	Predicting thermal conductivity and mechanical property of bamboo fibers/polypropylene nonwovens reinforced composites based on regression analysis. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104895.	5.6	27
5	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. <i>ACS Omega</i> , 2020, 5, 20684-20697.	3.5	240
6	An improved physico-mechanical performance of macropores membrane made from synthesized cellulose carbamate. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 552-561.	7.5	7
7	Evaluation of Crosslinking Effect on Thermo-mechanical, Acoustic Insulation and Water Absorption Performance of Biomass-Derived Cellulose Cryogels. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1180-1189.	5.0	11
8	Effect of coagulant and drying methods on regenerated cellulose membrane. , 2019, , .		1
9	COMPARISON OF REGENERATED CELLULOSE MEMBRANE COAGULATED IN SULPHATE BASED COAGULANT. <i>Cerne</i> , 2019, 25, 18-24.	0.9	15
10	Superabsorbent hydrogel from oil palm empty fruit bunch cellulose and sodium carboxymethylcellulose. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 50-59.	7.5	53
11	Comparison of the morphological and mechanical properties of oil Palm EFB fibres and kenaf fibres in nonwoven reinforced composites. <i>Industrial Crops and Products</i> , 2019, 127, 55-65.	5.2	49
12	FUNCTIONALIZED CELLULOSE BEADS WITH ACTIVATED CARBON Fe ₃ O ₄ /CoFe ₂ O ₄ FOR CATIONIC DYE REMOVAL. <i>Cellulose Chemistry and Technology</i> , 2019, 53, 815-825.	1.2	12
13	Rice husk bio-filler reinforced polymer blends of recycled <sc>HDPE/PET</sc>: Three-dimensional stability under water immersion and mechanical performance. <i>Polymer Composites</i> , 2018, 39, 2695-2704.	4.6	31
14	Chemically crosslinked hydrogel and its driving force towards superabsorbent behaviour. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1422-1430.	7.5	56
15	Increased solubility of plant core pulp cellulose for regenerated hydrogels through electron beam irradiation. <i>Cellulose</i> , 2018, 25, 4993-5006.	4.9	12
16	Effect of graphene oxide on thermal stability of aerogel bio-nanocomposite from cellulose-based waste biomass. <i>Cellulose</i> , 2018, 25, 5099-5112.	4.9	28
17	Chemical and thermal studies on esterification of EDTA with raw cellulose and mercerized cellulose EFB. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
18	Enhanced mechanical properties of hydrothermal carbamated cellulose nanocomposite film reinforced with graphene oxide. <i>Carbohydrate Polymers</i> , 2017, 172, 284-293.	10.2	33

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19	Hydrothermal synthesis, magnetic properties and characterization of CoFe ₂ O ₄ nanocrystals. <i>Ceramics International</i> , 2017, 43, 7889-7894.	4.8	41
20	Autohydrolysis processing as an alternative to enhance cellulose solubility and preparation of its regenerated bio-based materials. <i>Materials Chemistry and Physics</i> , 2017, 192, 181-189.	4.0	16
21	Characterization of recycled thermoplastics-based nanocomposites: Polymer-clay compatibility, blending procedure, processing condition, and clay content effects. <i>Composites Part B: Engineering</i> , 2017, 131, 91-99.	12.0	46
22	Highly porous regenerated cellulose hydrogel and aerogel prepared from hydrothermal synthesized cellulose carbamate. <i>PLoS ONE</i> , 2017, 12, e0173743.	2.5	36
23	Preparation and Characterization of Fe ₃ O ₄ /Regenerated Cellulose Membrane. <i>Sains Malaysiana</i> , 2017, 46, 623-628.	0.5	6
24	As-spun Bio-novolac Fiber Morphological Study based on Resin's Physico-chemical Properties. <i>Sains Malaysiana</i> , 2017, 46, 1659-1665.	0.5	3
25	Characterization of Rice Husk-Incorporated Recycled Thermoplastic Blend Composites. <i>BioResources</i> , 2016, 11, .	1.0	14
26	Synthesis and characterization of nanostructure magnetic cobalt ferrite using hydrothermal method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
27	Hydrothermally treated oil palm empty fruit bunch cellulose with urea and its dissolution in NaOH-Urea solvent system. , 2016, , .		1
28	Effect of polymer blend matrix compatibility and fibre reinforcement content on thermal stability and flammability of ecocomposites made from waste materials. <i>Thermochimica Acta</i> , 2016, 640, 52-61.	2.7	29
29	Synthesis of kenaf cellulose carbamate and its smart electric stimuli-response. <i>Carbohydrate Polymers</i> , 2016, 137, 693-700.	10.2	14
30	Synthesis of Liquid Hot Water Cotton Linter to Prepare Cellulose Membrane using NaOH/Urea or LiOH/Urea. <i>BioResources</i> , 2015, 10, .	1.0	7
31	Effect of Acid Hydrolysis and Thermal Hydrolysis on Solubility and Properties of Oil Palm Empty Fruit Bunch Fiber Cellulose Hydrogel. <i>BioResources</i> , 2015, 11, .	1.0	5
32	Biocomposites Based on Rice Husk Flour and Recycled Polymer Blend: Effects of Interfacial Modification and High Fibre Loading. <i>BioResources</i> , 2015, 10, .	1.0	28
33	Effect of acid hydrolysis on regenerated kenaf core membrane produced using aqueous alkaline urea systems. <i>Carbohydrate Polymers</i> , 2015, 124, 164-171.	10.2	23
34	Effects of compatibilizer, compounding method, extrusion parameters, and nanofiller loading in clay reinforced recycled HDPE/PET nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	20
35	Physico-mechanical properties of a microwave-irradiated kenaf carbamate/graphene oxide membrane. <i>Cellulose</i> , 2015, 22, 3851-3863.	4.9	15
36	Effect of hydrothermal pretreatment on solubility and formation of kenaf cellulose membrane and hydrogel. <i>Carbohydrate Polymers</i> , 2015, 115, 62-68.	10.2	39

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37	Synthesis and Characterization of SnO ₂ and Fe ₃ O ₄ Composite Grown by Microwave Method. <i>Advanced Materials Research</i> , 2014, 895, 291-297.	0.3	0
38	Synthesis of kenaf cellulose carbamate using microwave irradiation for preparation of cellulose membrane. <i>Carbohydrate Polymers</i> , 2014, 106, 160-165.	10.2	39