

# 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

38  
all docs

38  
docs citations

38  
times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Efficient Magnetic Particles and Activated Carbon for Dye Removal from Wastewater. ACS Omega, 2020, 5, 20684-20697.	3.5	240
2	Chemically crosslinked hydrogel and its driving force towards superabsorbent behaviour. International Journal of Biological Macromolecules, 2018, 118, 1422-1430.	7.5	56
3	Superabsorbent hydrogel from oil palm empty fruit bunch cellulose and sodium carboxymethylcellulose. International Journal of Biological Macromolecules, 2019, 131, 50-59.	7.5	53
4	Comparison of the morphological and mechanical properties of oil Palm EFB fibres and kenaf fibres in nonwoven reinforced composites. Industrial Crops and Products, 2019, 127, 55-65.	5.2	49
5	Characterization of recycled thermoplastics-based nanocomposites: Polymer-clay compatibility, blending procedure, processing condition, and clay content effects. Composites Part B: Engineering, 2017, 131, 91-99.	12.0	46
6	Hydrothermal synthesis, magnetic properties and characterization of CoFe <sub>2</sub> O <sub>4</sub> nanocrystals. Ceramics International, 2017, 43, 7889-7894.	4.8	41
7	Synthesis of kenaf cellulose carbamate using microwave irradiation for preparation of cellulose membrane. Carbohydrate Polymers, 2014, 106, 160-165.	10.2	39
8	Effect of hydrothermal pretreatment on solubility and formation of kenaf cellulose membrane and hydrogel. Carbohydrate Polymers, 2015, 115, 62-68.	10.2	39
9	Highly porous regenerated cellulose hydrogel and aerogel prepared from hydrothermal synthesized cellulose carbamate. PLoS ONE, 2017, 12, e0173743.	2.5	36
10	Enhanced mechanical properties of hydrothermal carbamated cellulose nanocomposite film reinforced with graphene oxide. Carbohydrate Polymers, 2017, 172, 284-293.	10.2	33
11	Rice husk bio-filler reinforced polymer blends of recycled <sc>HDPE/PET</sc>: Three-dimensional stability under water immersion and mechanical performance. Polymer Composites, 2018, 39, 2695-2704.	4.6	31
12	Tensile, thermal degradation and water diffusion behaviour of gamma-radiation induced recycled polymer blend/rice husk composites: Experimental and statistical analysis. Composites Science and Technology, 2021, 207, 108748.	7.8	31
13	Effect of polymer blend matrix compatibility and fibre reinforcement content on thermal stability and flammability of eco-composites made from waste materials. Thermochimica Acta, 2016, 640, 52-61.	2.7	29
14	Biocomposites Based on Rice Husk Flour and Recycled Polymer Blend: Effects of Interfacial Modification and High Fibre Loading. BioResources, 2015, 10, .	1.0	28
15	Effect of graphene oxide on thermal stability of aerogel bio-nanocomposite from cellulose-based waste biomass. Cellulose, 2018, 25, 5099-5112.	4.9	28
16	Predicting thermal conductivity and mechanical property of bamboo fibers/polypropylene nonwovens reinforced composites based on regression analysis. International Communications in Heat and Mass Transfer, 2020, 118, 104895.	5.6	27
17	Effect of acid hydrolysis on regenerated kenaf core membrane produced using aqueous alkaline-urea systems. Carbohydrate Polymers, 2015, 124, 164-171.	10.2	23
18	Effects of compatibilizer, compounding method, extrusion parameters, and nanofiller loading in clay-reinforced recycled HDPE/PET nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	2.6	20

#	ARTICLE	IF	CITATIONS
19	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
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	Interconnected macropores cryogel with nano-thin crosslinked network regenerated cellulose. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 11-19.	7.5	16
22	Physico-mechanical properties of a microwave-irradiated kenaf carbamate/graphene oxide membrane. <i>Cellulose</i> , 2015, 22, 3851-3863.	4.9	15
23	COMPARISON OF REGENERATED CELLULOSE MEMBRANE COAGULATED IN SULPHATE BASED COAGULANT. <i>Cerne</i> , 2019, 25, 18-24.	0.9	15
24	Characterization of Rice Husk-Incorporated Recycled Thermoplastic Blend Composites. <i>BioResources</i> , 2016, 11, .	1.0	14
25	Synthesis of kenaf cellulose carbamate and its smart electric stimuli-response. <i>Carbohydrate Polymers</i> , 2016, 137, 693-700.	10.2	14
26	Increased solubility of plant core pulp cellulose for regenerated hydrogels through electron beam irradiation. <i>Cellulose</i> , 2018, 25, 4993-5006.	4.9	12
27	FUNCTIONALIZED CELLULOSE BEADS WITH ACTIVATED CARBON Fe <sub>3</sub> O <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> FOR CATIONIC DYE REMOVAL. <i>Cellulose Chemistry and Technology</i> , 2019, 53, 815-825.	1.2	12
28	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
29	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
30	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
31	Preparation and Characterization of Fe <sub>3</sub> O <sub>4</sub> /Regenerated Cellulose Membrane. <i>Sains Malaysiana</i> , 2017, 46, 623-628.	0.5	6
32	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
33	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
34	Synthesis and characterization of nanostructure magnetic cobalt ferrite using hydrothermal method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
35	Hydrothermally treated oil palm empty fruit bunch cellulose with urea and its dissolution in NaOH-Urea solvent system. , 2016, , .		1
36	Chemical and thermal studies on esterification of EDTA with raw cellulose and mercerized cellulose EFB. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1

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37	Effect of coagulant and drying methods on regenerated cellulose membrane. , 2019, , .		1
38	Synthesis and Characterization of SnO <sub>2</sub> and Fe <sub>3</sub> O <sub>4</sub> Composite Grown by Microwave Method. Advanced Materials Research, 2014, 895, 291-297.	0.3	0