Sung Ting Sam

List of Publications by Year
in descending order

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Version: 2024-02-01

91 papers	1,069 citations	394421 19 h-index	454955 30 g-index
92 all docs	92 docs citations	92 times ranked	1100 citing authors

#	Article	IF	Citations
1	Thermal properties of nanocelluloseâ€reinforced composites: A review. Journal of Applied Polymer Science, 2020, 137, 48544.	2.6	155
2	Surface functionalized nanocellulose as a veritable inclusionary material in contemporary bioinspired applications: A review. Journal of Applied Polymer Science, 2018, 135, 46065.	2.6	70
3	Highly sensitive Escherichia coli shear horizontal surface acoustic wave biosensor with silicon dioxide nanostructures. Biosensors and Bioelectronics, 2017, 93, 146-154.	10.1	49
4	Synthesis and structural studies of an epoxidized natural rubber/titania (ENR-50/TiO2) hybrid under mild acid conditions. Polymer Testing, 2018, 65, 10-20.	4.8	47
5	Recent Advances in Polyolefins/Natural Polymer Blends Used for Packaging Application. Polymer-Plastics Technology and Engineering, 2014, 53, 631-644.	1.9	44
6	NMR study of ring opening reaction of epoxidized natural rubber in presence of potassium hydroxide/isopropanol solution. Polymer Testing, 2017, 59, 55-66.	4.8	44
7	Properties of Ferrite-Filled Natural Rubber Composites. Polymer-Plastics Technology and Engineering, 2007, 46, 641-650.	1.9	39
8	Unveiling the physicochemical properties of natural Citrus aurantifolia crosslinked tapioca starch/nanocellulose bionanocomposites. Industrial Crops and Products, 2019, 139, 111548.	5.2	36
9	Insight on the structural aspect of ENR-50/TiO2 hybrid in KOH/C3H8O medium revealed by NMR spectroscopy. Arabian Journal of Chemistry, 2020, 13, 2400-2413.	4.9	36
10	Soil Burial of Polyethylene-g-(Maleic Anhydride) Compatibilised LLDPE/Soya Powder Blends. Polymer-Plastics Technology and Engineering, 2011, 50, 851-861.	1.9	33
11	Linear lowâ€density polyethylene/(soya powder) blends containing polyethyleneâ€gâ€(maleic) Tj ETQq1 1 0.784314 rgBT /Ove	3.4	32
12	Characterization and properties of low-linear-density polyethylene/Typha latifoliacomposites. International Journal of Polymer Analysis and Characterization, 2016, 21, 590-598.	1.9	32
13	A comparative study of different crosslinking agent-modified chitosan/corn cob biocomposite films. Polymer Bulletin, 2015, 72, 791-808.	3.3	31
14	Studies on Tensile Properties of Compatibilized and Uncompatibilized Low-Density Polyethylene/Jackfruit Seed Flour (LDPE/JFSF) Blends at Different JFSF Content. Solid State Phenomena, 0, 264, 120-123.	0.3	29
15	An alkaline deep eutectic solvent based on potassium carbonate and glycerol as pretreatment for the isolation of cellulose nanocrystals from empty fruit bunch. BioResources, 2020, 15, 1154-1170.	1.0	29
16	Potential Use of Paddy Straw as Filler in Poly Lactic Acid/Paddy Straw Powder Biocomposite: Thermal and Thermal Properties. Procedia Chemistry, 2016, 19, 757-762.	0.7	26
17	Water resistance and biodegradation properties of conventionally-heated and microwave-cured cross-linked cellulose nanocrystal/chitosan composite films. Polymer Degradation and Stability, 2021, 188, 109563.	5.8	25
18	Slow Release Material from Epoxidized Natural Rubber and Rice Husk Composites for Agriculture Applications. Journal of Physics: Conference Series, 2018, 1019, 012063.	0.4	24

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19	Effect of Cobalt Stearate on Natural Weathering of LLDPE/Soya Powder Blends. Polymer-Plastics Technology and Engineering, 2011, 50, 957-968.	1.9	21
20	The effect of polypropylene maleic anhydride on polypropylene/(recycled acrylonitrile butadiene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.4	20
21	The effect of rice straw particulate loading and polyethylene glycol as plasticizer on the properties of polylactic acid/polyhydroxybutyrate-valerate blends. Polymer Bulletin, 2018, 75, 61-76.	3.3	20
22	Current Application and Challenges on Packaging Industry Based on Natural Polymer Blending. , 2016, , 163-184.		17
23	Corn Cob Filled Chitosan Biocomposite Films. Advanced Materials Research, 2013, 747, 649-652.	0.3	15
24	Revealing the Water Resistance, Thermal and Biodegradation Properties of Citrus aurantifolia Crosslinked Tapioca Starch/Nanocellulose Bionanocomposites. Journal of Polymers and the Environment, 2020, 28, 3256-3269.	5.0	15
25	Haldane-Andrews substrate inhibition kinetics for pilot scale thermophilic anaerobic degradation of sugarcane vinasse. Bioresource Technology, 2021, 336, 125319.	9.6	14
26	Photocatalytic Degradation of Sugarcane Vinasse Using ZnO Photocatalyst: Operating Parameters, Kinetic Studies, Phytotoxicity Assessments, and Reusability. International Journal of Environmental Research, 2022, 16, 3.	2.3	12
27	Characterization of Nanocrystalline Cellulose Isolated from Empty Fruit Bunch Using Acid Hydrolysis. Solid State Phenomena, 0, 264, 9-12.	0.3	10
28	Crossâ€linked Chitosan/Corn Cob Biocomposite Films with Salicylaldehyde on Tensile, Thermal, and Biodegradable Properties: A Comparative Study. Advances in Polymer Technology, 2018, 37, 1229-1239.	1.7	10
29	Degradation of epoxidized natural rubber compatibilized linear low density polyethylene/ soya powder blends: the effect of natural weathering. Journal of Polymer Engineering, 2013, 33, 579-588.	1.4	9
30	Properties enhancement of <scp>chitosanâ€filled</scp> polylactic acid biocomposites using tannic acid treatment. Polymer Composites, 2022, 43, 21-35.	4.6	9
31	Comparative Study of Microcelluloses Isolated From Two Different Biomasses with Commercial Cellulose. BioResources, 2016, 11, .	1.0	8
32	Thermal properties of PLA/HNTs composites: Effect of different halloysite nanotube. AIP Conference Proceedings, 2018, , .	0.4	8
33	Degradability in a natural compost medium of (linear lowâ€density polyethylene)/(soya powder) blends compatibilized with epoxidized natural rubber. Journal of Vinyl and Additive Technology, 2014, 20, 42-48.	3.4	7
34	Effect of the electron beam irradiation on the properties of epoxidized natural rubber (ENR 50) compatibilized linear lowâ€density polyethylene/soya powder blends. Journal of Applied Polymer Science, 2012, 124, 5220-5228.	2.6	6
35	Thermal degradation of high-density polyethylene/soya spent powder blends. Journal of Polymer Engineering, 2015, 35, 437-442.	1.4	6
36	Comparative Study on the Extraction of Bioactive Secondary Metabolites from Pomelo and Pineapple Peels Extract. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012040.	0.6	6

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37	Comparative study on the properties of crossâ€linked cellulose nanocrystals/chitosan film composites with conventional heating and microwave curing. Journal of Applied Polymer Science, 2020, 137, 49578.	2.6	6
38	Bioinspired Crosslinked Nanocomposites of Polyvinyl Alcohol-Reinforced Cellulose Nanocrystals Extracted from Rice Straw with Ethanedioic Acid. Journal of Nanomaterials, 2022, 2022, 1-16.	2.7	6
39	Tensile Properties and Crystallinity of Crosslinked Nanocrystalline Cellulose/Chitosan Composite. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012042.	0.6	5
40	Physical Surface Modification on the Biosensing Surface. , 2019, , 23-50.		5
41	Biodegradation improvement of bioinspired crosslinked and noncrosslinked polyvinyl alcohol nanocomposites with cellulose nanocrystals extracted from rice straw through natural soil burial exposure. Polymer Composites, 2022, 43, 6955-6965.	4.6	5
42	Tensile Properties of Rice Straw Fiber Reinforced Poly(Lactic Acid) Biocomposites. Advanced Materials Research, 0, 1133, 598-602.	0.3	4
43	Hydrolysis Empty Fruit Bunch (EFB) Using Green Solvent. IOP Conference Series: Materials Science and Engineering, 0, 429, 012059.	0.6	4
44	Processing, tensile and morphological characteristics of polylactic acid/chitosan biocomposites prepared by melt compounding technique. AIP Conference Proceedings, 2020, , .	0.4	4
45	The Effect of Different Sizes "Batu Reput" (Dolomite) as a Filler in SMR L and ENR-50. Advanced Materials Research, 2013, 795, 383-387.	0.3	3
46	Physical and Morphological Properties of Styrene Butadiene Rubber / Recycled Chloroprene Rubber (SBR/CRr) Blends. Advanced Materials Research, 0, 795, 119-123.	0.3	3
47	Optimization of the product of nanocrystalline cellulose from coconut husks. IOP Conference Series: Materials Science and Engineering, 0, 429, 012041.	0.6	3
48	Effect of partial replacement of chitosan with halloysite nanotubes on the properties of polylactic acid hybrid biocomposites. Journal of Vinyl and Additive Technology, 2021, 27, 419-431.	3.4	3
49	Kinetic model discrimination on the biogas production in thermophilic co-digestion of sugarcane vinasse and water hyacinth. Environmental Science and Pollution Research, 2022, 29, 61298-61306.	5.3	3
50	A comparative study of green composites based on tapioca starch and celluloses. AIP Conference Proceedings, 2017, , .	0.4	2
51	A comparative study of Averrhoabilimbi extraction method. AIP Conference Proceedings, 2017, , .	0.4	2
52	Optimizing Yield of Microcrystalline Cellulose from Empty Fruit Bunch Via Hydrolysis Using Ionic Liquid. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012060.	0.6	2
53	Recognition of Bacterial DNA on SAW-Based Biosensors. , 2019, , 117-146.		2
54	Effect of operating temperature in the anaerobic degradation of palm oil mill effluent: Process performance, microbial community, and biokinetic evaluation. Chemical Papers, 2022, 76, 5399-5410.	2.2	2

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55	Thermal Properties of Linear-Low Density Polyethylene (LLDPE)/Soya Spent Powder Blends with the Addition of Epoxidised Natural Rubber. Advanced Materials Research, 2013, 795, 433-437.	0.3	1
56	Comparison of Mechanical Properties of Polypropylene/Acrylonitrile Butadiene Rubber/Rice Husk Powder Composites Modified with Silane and Acetic Anhydride Compound. Advanced Materials Research, 0, 795, 441-445.	0.3	1
57	Cure Characteristics and Hardness of Recycled Latex Catheter (LCr) Filled with Standard Malaysia Rubber (SMR L) Compounds. Advanced Materials Research, 2013, 795, 550-553.	0.3	1
58	The effect of size and content of jackfruit seed flour on the properties of low density polyethylene. AIP Conference Proceedings, 2015, , .	0.4	1
59	Degradation assessment of natural weathering on low density polyethylene/thermoplastic soya spent powder blends. AIP Conference Proceedings, 2015, , .	0.4	1
60	Comparative study on the extraction of bioactive secondary metabolites from orange and watermelon peels extract. AIP Conference Proceedings, 2018, , .	0.4	1
61	A slow release fertilizer from urea and rice straw coated by ENR-50 for agricultural application. AIP Conference Proceedings, 2018, , .	0.4	1
62	Flexural and morphology properties of rHDPE/BF composites: Effect of surface modification of bamboo filler by NaOH treatment. AIP Conference Proceedings, 2020, , .	0.4	1
63	The effects of ionic liquid (ILs) as additive on recycled high-density polyethylene reinforced bamboo filler composites. AIP Conference Proceedings, 2020, , .	0.4	1
64	Flexural and impact properties of rHDPE/BF composites in presence of ionic liquid (ILs). AIP Conference Proceedings, 2020, , .	0.4	1
65	Intermolecular degradation of aromatic compound and its derivatives via combined sequential and hybridized process. Bioprocess and Biosystems Engineering, 2023, 46, 359-371.	3.4	1
66	Effect of Cobalt Stearate on Outdoor Exposure of LLDPE/Soy Spent Powder Blends. Advanced Materials Research, 2012, 626, 883-886.	0.3	0
67	Effect of Pyrolysis on the Wettability Behaviour of Polyethylene Terephthalate on Petroleum Coke. Advanced Materials Research, 2012, 626, 1015-1019.	0.3	0
68	Characterizations on the Effect of Processing of Polymers Blend with Petroleum Coke (Part I). Advanced Materials Research, 2013, 795, 644-648.	0.3	0
69	Effect of Compost Medium on Oxidative-Linear Low Density Polyethylene/Soya Powder Blends. Advanced Materials Research, 0, 795, 554-557.	0.3	0
70	Tensile Properties LLDPE/Soya Spent Powder Blends: Oven Aging. Advanced Materials Research, 0, 795, 429-432.	0.3	0
71	Effects of Trans-Polyoctylene Rubber in Polypropylene/Recycled Acrylonitrile Butadiene/Rice Husk Powder Composites. Key Engineering Materials, 2013, 594-595, 613-617.	0.4	0
72	Effect of Blends Ratio on Mechanical and Morphological Properties of LDPE/Thermoplastic Soya Spent Powder Blends. Advanced Materials Research, 0, 925, 339-343.	0.3	0

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73	Preparation and tensile properties of linear low density polyethylene/rambutan peels (Nephelium) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	0
74	Influence of adipic acid on tensile and morphology properties of linear low density polyethylene/rambutan peels flour blends. AIP Conference Proceedings, 2015, , .	0.4	0
75	Mechanical and morphological study of linear low density polyethylene (LLDPE)/cyperus odoratus (CY) biocomposites. , 2017, , .		0
76	Characterization analysis for leaves of Leucaena leucocephala by using phytochemical screening assay. AIP Conference Proceedings, 2017, , .	0.4	0
77	The properties of linear low density polyethylene (LLDPE)/cyperus odoratus (CY) biocomposite: Effects of natural weathering. AIP Conference Proceedings, 2017, , .	0.4	0
78	Characterization analysis for leaves of Leucaena Leucocephala by using phytochemical screening assay. AIP Conference Proceedings, 2017, , .	0.4	0
79	Isolation of microcrystalline from coconut husks. AIP Conference Proceedings, 2018, , .	0.4	0
80	Modification of halloysite filler with phosphonium based deep eutectic solvents for PLA/HNTs composites. AIP Conference Proceedings, 2018, , .	0.4	0
81	Bioactive compound analysis in seeds of Leucaena leucocephala (Petai Belalang). AIP Conference Proceedings, 2018, , .	0.4	0
82	The effects of different content and size of date seeds filler on thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , .	0.4	0
83	Study of fillers treatment using NaOH on the thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , .	0.4	0
84	New Slow Release Fertilizer from ENR-50/RH/Urea Composites: Effect of Sodium Chloride Concentration. Journal of Physics: Conference Series, 2018, 1019, 012062.	0.4	0
85	Assessment of oil palm ash and compounding ingredients on tensile properties of acrylonitrileâ€“butadiene rubber using statistical design. Journal of Rubber Research (Kuala Lumpur,) Tj ETQq1 1 0.784314 rgBT /Over	0.4	0
86	The effects of different bamboo filler loading on HDPE/BF composites and rHDPE/BF composites: Flexural and morphology. AIP Conference Proceedings, 2020, , .	0.4	0
87	The influences of soil burial assessment on linear low-density polyethylene/Cyperus odoratus biocomposite. AIP Conference Proceedings, 2020, , .	0.4	0
88	The effects of electron beam irradiation on LLDPE/CY biocomposites: Tensile and morphology properties. AIP Conference Proceedings, 2020, , .	0.4	0
89	Bioprotein optimization from spent mushroom substrate for fish feed application. AIP Conference Proceedings, 2020, , .	0.4	0
90	Surface modification of bamboo filler by acid treatment on flexural and morphology rHDPE/BF composites. AIP Conference Proceedings, 2020, , .	0.4	0

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91	Influence of pH and temperature on in vitro mycelial growth performance of wild edible Schizophyllum commune of northern Malaysia. AIP Conference Proceedings, 2020, , .	0.4	0