

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	Intermolecular degradation of aromatic compound and its derivatives via combined sequential and hybridized process. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 359-371.	3.4	1
2	Properties enhancement of chitosan-filled poly(lactic acid) biocomposites using tannic acid treatment. <i>Polymer Composites</i> , 2022, 43, 21-35.	4.6	9
3	Photocatalytic Degradation of Sugarcane Vinasse Using ZnO Photocatalyst: Operating Parameters, Kinetic Studies, Phytotoxicity Assessments, and Reusability. <i>International Journal of Environmental Research</i> , 2022, 16, 3.	2.3	12
4	Kinetic model discrimination on the biogas production in thermophilic co-digestion of sugarcane vinasse and water hyacinth. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61298-61306.	5.3	3
5	Effect of operating temperature in the anaerobic degradation of palm oil mill effluent: Process performance, microbial community, and biokinetic evaluation. <i>Chemical Papers</i> , 2022, 76, 5399-5410.	2.2	2
6	Biodegradation improvement of bioinspired crosslinked and noncrosslinked poly(vinyl alcohol) nanocomposites with cellulose nanocrystals extracted from rice straw through natural soil burial exposure. <i>Polymer Composites</i> , 2022, 43, 6955-6965.	4.6	5
7	Bioinspired Crosslinked Nanocomposites of Poly(vinyl Alcohol)-Reinforced Cellulose Nanocrystals Extracted from Rice Straw with Ethanedioic Acid. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-16.	2.7	6
8	Effect of partial replacement of chitosan with halloysite nanotubes on the properties of poly(lactic acid) hybrid biocomposites. <i>Journal of Vinyl and Additive Technology</i> , 2021, 27, 419-431.	3.4	3
9	Water resistance and biodegradation properties of conventionally-heated and microwave-cured cross-linked cellulose nanocrystal/chitosan composite films. <i>Polymer Degradation and Stability</i> , 2021, 188, 109563.	5.8	25
10	Haldane-Andrews substrate inhibition kinetics for pilot scale thermophilic anaerobic degradation of sugarcane vinasse. <i>Bioresource Technology</i> , 2021, 336, 125319.	9.6	14
11	Insight on the structural aspect of ENR-50/TiO ₂ hybrid in KOH/C ₃ H ₈ O medium revealed by NMR spectroscopy. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2400-2413.	4.9	36
12	Thermal properties of nanocellulose-reinforced composites: A review. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48544.	2.6	155
13	The effects of different bamboo filler loading on HDPE/BF composites and rHDPE/BF composites: Flexural and morphology. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
14	Revealing the Water Resistance, Thermal and Biodegradation Properties of Citrus aurantifolia Crosslinked Tapioca Starch/Nanocellulose Bionanocomposites. <i>Journal of Polymers and the Environment</i> , 2020, 28, 3256-3269.	5.0	15
15	Processing, tensile and morphological characteristics of poly(lactic acid)/chitosan biocomposites prepared by melt compounding technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	4
16	The influences of soil burial assessment on linear low-density polyethylene/ <i>Cyperus odoratus</i> biocomposite. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
17	The effects of electron beam irradiation on LLDPE/CY biocomposites: Tensile and morphology properties. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
18	Bioprotein optimization from spent mushroom substrate for fish feed application. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0

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19	Surface modification of bamboo filler by acid treatment on flexural and morphology rHDPE/BF composites. AIP Conference Proceedings, 2020, , .	0.4	0
20	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
21	The effects of ionic liquid (ILs) as additive on recycled high-density polyethylene reinforced bamboo filler composites. AIP Conference Proceedings, 2020, , .	0.4	1
22	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
23	Flexural and impact properties of rHDPE/BF composites in presence of ionic liquid (ILs). AIP Conference Proceedings, 2020, , .	0.4	1
24	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
25	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
26	Unveiling the physicochemical properties of natural Citrus aurantifolia crosslinked tapioca starch/nanocellulose bionanocomposites. Industrial Crops and Products, 2019, 139, 111548.	5.2	36
27	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		
28	Physical Surface Modification on the Biosensing Surface. , 2019, , 23-50.		5
29	Recognition of Bacterial DNA on SAW-Based Biosensors. , 2019, , 117-146.		2
30	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
31	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
32	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
33	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
34	Isolation of microcrystalline from coconut husks. AIP Conference Proceedings, 2018, , .	0.4	0
35	Comparative study on the extraction of bioactive secondary metabolites from orange and watermelon peels extract. AIP Conference Proceedings, 2018, , .	0.4	1
36	Thermal properties of PLA/HNTs composites: Effect of different halloysite nanotube. AIP Conference Proceedings, 2018, , .	0.4	8

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37	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
38	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
39	Modification of halloysite filler with phosphonium based deep eutectic solvents for PLA/HNTs composites. AIP Conference Proceedings, 2018, , .	0.4	0
40	Bioactive compound analysis in seeds of <i>Leucaena leucocephala</i> (Petai Belalang). AIP Conference Proceedings, 2018, , .	0.4	0
41	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
42	Study of fillers treatment using NaOH on the thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , .	0.4	0
43	A slow release fertilizer from urea and rice straw coated by ENR-50 for agricultural application. AIP Conference Proceedings, 2018, , .	0.4	1
44	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
45	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
46	Tensile Properties and Crystallinity of Crosslinked Nanocrystalline Cellulose/Chitosan Composite. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012042.	0.6	5
47	The effect of polypropylene maleic anhydride on polypropylene/(recycled acrylonitrile butadiene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3.4 20	3.4	20
48	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
49	Mechanical and morphological study of linear low density polyethylene (LLDPE)/ <i>Cyperus odoratus</i> (CY) biocomposites. , 2017, , .		0
50	Characterization analysis for leaves of <i>Leucaena leucocephala</i> by using phytochemical screening assay. AIP Conference Proceedings, 2017, , .	0.4	0
51	A comparative study of green composites based on tapioca starch and celluloses. AIP Conference Proceedings, 2017, , .	0.4	2
52	A comparative study of Aerrhoabilimbi extraction method. AIP Conference Proceedings, 2017, , .	0.4	2
53	Highly sensitive <i>Escherichia coli</i> shear horizontal surface acoustic wave biosensor with silicon dioxide nanostructures. Biosensors and Bioelectronics, 2017, 93, 146-154.	10.1	49
54	The properties of linear low density polyethylene (LLDPE)/ <i>Cyperus odoratus</i> (CY) biocomposite: Effects of natural weathering. AIP Conference Proceedings, 2017, , .	0.4	0

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55	Characterization analysis for leaves of <i>Leucaena Leucocephala</i> by using phytochemical screening assay. AIP Conference Proceedings, 2017, , .	0.4	0
56	Comparative Study of Microcelluloses Isolated From Two Different Biomasses with Commercial Cellulose. BioResources, 2016, 11, .	1.0	8
57	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
58	Characterization and properties of low-linear-density polyethylene/ <i>Typha latifolia</i> composites. International Journal of Polymer Analysis and Characterization, 2016, 21, 590-598.	1.9	32
59	Current Application and Challenges on Packaging Industry Based on Natural Polymer Blending. , 2016, , 163-184.		17
60	The effect of size and content of jackfruit seed flour on the properties of low density polyethylene. AIP Conference Proceedings, 2015, , .	0.4	1
61	Preparation and tensile properties of linear low density polyethylene/rambutan peels (<i>Nephelium</i>) Tj ETQq1 1 0.784314 rgBT 0/Overloc	0.4	0
62	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
63	Degradation assessment of natural weathering on low density polyethylene/thermoplastic soya spent powder blends. AIP Conference Proceedings, 2015, , .	0.4	1
64	Thermal degradation of high-density polyethylene/soya spent powder blends. Journal of Polymer Engineering, 2015, 35, 437-442.	1.4	6
65	A comparative study of different crosslinking agent-modified chitosan/corn cob biocomposite films. Polymer Bulletin, 2015, 72, 791-808.	3.3	31
66	Degradability in a natural compost medium of (linear low density polyethylene)/(soya powder) blends compatibilized with epoxidized natural rubber. Journal of Vinyl and Additive Technology, 2014, 20, 42-48.	3.4	7
67	Recent Advances in Polyolefins/Natural Polymer Blends Used for Packaging Application. Polymer-Plastics Technology and Engineering, 2014, 53, 631-644.	1.9	44
68	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
69	Characterizations on the Effect of Processing of Polymers Blend with Petroleum Coke (Part I). Advanced Materials Research, 2013, 795, 644-648.	0.3	0
70	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
71	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
72	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

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73	Cure Characteristics and Hardness of Recycled Latex Catheter (LCr) Filled with Standard Malaysia Rubber (SMR L) Compounds. <i>Advanced Materials Research</i> , 2013, 795, 550-553.	0.3	1
74	Corn Cob Filled Chitosan Biocomposite Films. <i>Advanced Materials Research</i> , 2013, 747, 649-652.	0.3	15
75	Effect of the electron beam irradiation on the properties of epoxidized natural rubber (ENR 50) compatibilized linear low-density polyethylene/soya powder blends. <i>Journal of Applied Polymer Science</i> , 2012, 124, 5220-5228.	2.6	6
76	Effect of Cobalt Stearate on Outdoor Exposure of LLDPE/Soy Spent Powder Blends. <i>Advanced Materials Research</i> , 2012, 626, 883-886.	0.3	0
77	Effect of Pyrolysis on the Wettability Behaviour of Polyethylene Terephthalate on Petroleum Coke. <i>Advanced Materials Research</i> , 2012, 626, 1015-1019.	0.3	0
78	Effect of Cobalt Stearate on Natural Weathering of LLDPE/Soya Powder Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 957-968.	1.9	21
79	Soil Burial of Polyethylene-g-(Maleic Anhydride) Compatibilised LLDPE/Soya Powder Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 851-861.	1.9	33
80	Linear low-density polyethylene/(soya powder) blends containing polyethylene-g-(maleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.4	32
81	Properties of Ferrite-Filled Natural Rubber Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 641-650.	1.9	39
82	Effect of Compost Medium on Oxidative-Linear Low Density Polyethylene/Soya Powder Blends. <i>Advanced Materials Research</i> , 0, 795, 554-557.	0.3	0
83	Tensile Properties LLDPE/Soya Spent Powder Blends: Oven Aging. <i>Advanced Materials Research</i> , 0, 795, 429-432.	0.3	0
84	Comparison of Mechanical Properties of Polypropylene/Acrylonitrile Butadiene Rubber/Rice Husk Powder Composites Modified with Silane and Acetic Anhydride Compound. <i>Advanced Materials Research</i> , 0, 795, 441-445.	0.3	1
85	Physical and Morphological Properties of Styrene Butadiene Rubber / Recycled Chloroprene Rubber (SBR/CRr) Blends. <i>Advanced Materials Research</i> , 0, 795, 119-123.	0.3	3
86	Effect of Blends Ratio on Mechanical and Morphological Properties of LDPE/Thermoplastic Soya Spent Powder Blends. <i>Advanced Materials Research</i> , 0, 925, 339-343.	0.3	0
87	Tensile Properties of Rice Straw Fiber Reinforced Poly(Lactic Acid) Biocomposites. <i>Advanced Materials Research</i> , 0, 1133, 598-602.	0.3	4
88	Characterization of Nanocrystalline Cellulose Isolated from Empty Fruit Bunch Using Acid Hydrolysis. <i>Solid State Phenomena</i> , 0, 264, 9-12.	0.3	10
89	Studies on Tensile Properties of Compatibilized and Uncompatibilized Low-Density Polyethylene/Jackfruit Seed Flour (LDPE/JFSF) Blends at Different JFSF Content. <i>Solid State Phenomena</i> , 0, 264, 120-123.	0.3	29
90	Optimization of the product of nanocrystalline cellulose from coconut husks. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 429, 012041.	0.6	3

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91	Hydrolysis Empty Fruit Bunch (EFB) Using Green Solvent. IOP Conference Series: Materials Science and Engineering, 0, 429, 012059.	0.6	4