

Associate Nhol Kao

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,389
citations

394421

19
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	PLA Based Biopolymer Reinforced with Natural Fibre: A Review. Journal of Polymers and the Environment, 2011, 19, 714-725.	5.0	260
2	Morphology, electromagnetic properties and electromagnetic interference shielding performance of poly lactide/graphene nanoplatelet nanocomposites. Materials and Design, 2016, 95, 119-126.	7.0	162
3	Dielectric properties and electromagnetic interference shielding effectiveness of graphene-based biodegradable nanocomposites. Materials and Design, 2016, 109, 68-78.	7.0	112
4	Dispersion study of nanofibrillated cellulose based poly(butylene adipate-co-terephthalate) composites. Carbohydrate Polymers, 2014, 102, 537-542.	10.2	73
5	Improved dispersion of cellulose microcrystals in polylactic acid (PLA) based composites applying surface acetylation. Chemical Engineering Science, 2013, 101, 655-662.	3.8	70
6	Elongation-induced crystallization of a high molecular weight isotactic polybutene-1 melt compared to shear-induced crystallization. Journal of Rheology, 2007, 51, 195-215.	2.6	58
7	Potential aspect of rice husk biomass in Australia for nanocrystalline cellulose production. Chinese Journal of Chemical Engineering, 2018, 26, 465-476.	3.5	54
8	Morphological, mechanical, and thermal characterization of biopolymer composites based on polylactide and nanographite platelets. Polymer Composites, 2012, 33, 1505-1515.	4.6	47
9	Chemically imaging the interaction of acetylated nanocrystalline cellulose (NCC) with a polylactic acid (PLA) polymer matrix. Cellulose, 2017, 24, 1717-1729.	4.9	45
10	Phase transition and anomalous rheological behaviour of polylactide/graphene nanocomposites. Composites Part B: Engineering, 2018, 135, 25-34.	12.0	40
11	Melt rheological investigation of polylactide-nanographite platelets biopolymer composites. Polymer Engineering and Science, 2014, 54, 175-188.	3.1	37
12	Microcrystalline cellulose added carbonyl iron suspension and its magnetorheology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 161-167.	4.7	34
13	Shear-induced crystallization of PB-1 up to processing-relevant shear rates. Rheologica Acta, 2006, 45, 539-546.	2.4	31
14	Effect of low pressure alkaline delignification process on the production of nanocrystalline cellulose from rice husk. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 820-834.	5.3	29
15	Fabrication and stimuli response of rice husk-based microcrystalline cellulose particle suspension under electric fields. Cellulose, 2016, 23, 185-197.	4.9	27
16	Structural, thermal, rheological and optical properties of poly(lactic acid) films prepared through solvent casting and melt processing techniques. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 293-300.	5.3	26
17	Fabrication of phosphate microcrystalline rice husk based cellulose particles and their electrorheological response. Carbohydrate Polymers, 2017, 165, 247-254.	10.2	23
18	Potential of polylactide based nanocomposites-nanopolysaccharide filler for reinforcement purpose: a comprehensive review. Journal of Polymer Research, 2020, 27, 1.	2.4	23

#	ARTICLE	IF	CITATIONS
19	Single-step heterogeneous catalysis production of highly monodisperse spherical nanocrystalline cellulose. International Journal of Biological Macromolecules, 2020, 154, 246-255.	7.5	21
20	Extensional Rheological Investigation of Biodegradable Polylactide-Nanographite Platelet Composites via Constitutive Equation Modeling. Macromolecular Materials and Engineering, 2014, 299, 851-868.	3.6	20
21	Melt strength of calcium carbonate filled polypropylene melts. Polymer International, 2002, 51, 1385-1389.	3.1	18
22	Electrical, thermal, and viscoelastic properties of graphene nanoplatelet/poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (ad 2016, 133, .	2.6	18
23	Thermal, Mechanical, and Rheological Characterization of Polylactic Acid/Halloysite Nanotube Nanocomposites. Journal of Macromolecular Science - Physics, 2016, 55, 680-692.	1.0	17
24	Viscoelastic properties and physical gelation of poly (butylene adipate-co-terephthalate)/graphene nanoplatelet nanocomposites at elevated temperatures. Polymer, 2016, 101, 347-357.	3.8	17
25	The comparison between the effects of solvent casting and melt intercalation mixing processes on different characteristics of polylactideâ€“nanographite platelets composites. Polymer Engineering and Science, 2015, 55, 1560-1570.	3.1	16
26	Anomalous first normal stress difference behavior of polymer nanocomposites and liquid crystalline polymer composites. Polymer Engineering and Science, 2014, 54, 1300-1312.	3.1	15
27	Evaluating the state of dispersion on cellulosic biopolymer by rheology. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
28	Enhanced Mechanical and Barrier Performance of Poly (Lactic Acid) Based Nanocomposites Using Surface Acetylated Starch Nanocrystals. Journal of Polymers and the Environment, 2019, 27, 2078-2088.	5.0	15
29	Microfibrillated Cellulose Suspension and Its Electrorheology. Polymers, 2019, 11, 2119.	4.5	14
30	Modification of styreneâ€“ethylene/butyleneâ€“styrene copolymer microstructure by polystyrene homopolymer and evolution of a cocontinuous blend morphology. Polymer Engineering and Science, 2012, 52, 2559-2572.	3.1	13
31	Preparation of Square-Shaped Starch Nanocrystals/Polylactic Acid Based Bio-nanocomposites: Morphological, Structural, Thermal and Rheological Properties. Waste and Biomass Valorization, 2019, 10, 3197-3211.	3.4	12
32	Physico-mechanical properties of bio-composites fabricated from polylactic acid and rice husk treated with alkali and ionic liquid. Journal of Modern Manufacturing Systems and Technology, 0, 2, 28-41.	0.2	8
33	Insights into the production and physicochemical properties of oxycellulose microcrystalline with coexisting crystalline forms. International Journal of Biological Macromolecules, 2020, 146, 150-161.	7.5	7
34	Correlation between the gel time and quiescent/quasi-quiescent crystallization onset time of poly(butene-1) as determined from rheological methods. Rheologica Acta, 2006, 45, 631-639.	2.4	6
35	An investigation between high and low pressure processes for nanocrystalline cellulose production from agro-waste biomass. AIP Conference Proceedings, 2017, , .	0.4	3
36	Rheology and physical characterization of graphene nanoplatelet/poly (butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td ₁ (adipate-co	0.4	1

#	ARTICLE	IF	CITATIONS
37	Carbon dioxide induced degradation of diethanolamine during absorption and desorption processes. Chinese Journal of Chemical Engineering, 2018, 26, 293-302.	3.5	1
38	An Overview of Recent Developments in Hetero-Catalytic Conversion of Cellulosic Biomass. Journal of Modern Manufacturing Systems and Technology, 0, 4, 43-54.	0.2	1
39	Optimization and modelling of delignification process for nanocrystalline cellulose production from rice husk biomass. AIP Conference Proceedings, 2017, , .	0.4	0
40	Effect of Drum Pressure on Flow Accelerated Corrosion in Gas Fired Combined Cycle Power Plant: A Case Study and Literature Review. Journal of Modern Manufacturing Systems and Technology, 0, 2, 17-27.	0.2	0