Buong Woei Chieng

List of Publications by Year
in descending order

42 papers	2,549 citations	279487 23 h-index	315357 38 g-index
42 all docs	42 docs citations	42 times ranked	3670 citing authors

#	Article	IF	Citations
1	Poly(lactic acid)/Poly(ethylene glycol) Polymer Nanocomposites: Effects of Graphene Nanoplatelets. Polymers, 2014, 6, 93-104.	2.0	416
2	In Vitro Antimicrobial Activity of Green Synthesized Silver Nanoparticles Against Selected Gram-negative Foodborne Pathogens. Frontiers in Microbiology, 2018, 9, 1555.	1.5	358
3	Isolation and Characterization of Cellulose Nanocrystals from Oil Palm Mesocarp Fiber. Polymers, 2017, 9, 355.	2.0	148
4	Synthesis of silver nanoparticles by using tea leaf extract from Camellia Sinensis. International Journal of Nanomedicine, 2012, 7, 4263.	3.3	146
5	Epoxidized Vegetable Oils Plasticized Poly(lactic acid) Biocomposites: Mechanical, Thermal and Morphology Properties. Molecules, 2014, 19, 16024-16038.	1.7	146
6	A Comparative Study on the Mechanical, Thermal and Morphological Characterization of Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	145
7	Synthesis of ZnO nanoparticles by modified polyol method. Materials Letters, 2012, 73, 78-82.	1.3	104
8	Effects of Graphene Nanoplatelets and Reduced Graphene Oxide on Poly(lactic acid) and Plasticized Poly(lactic acid): A Comparative Study. Polymers, 2014, 6, 2232-2246.	2.0	100
9	Graphene Nanoplatelets as Novel Reinforcement Filler in Poly(lactic acid)/Epoxidized Palm Oil Green Nanocomposites: Mechanical Properties. International Journal of Molecular Sciences, 2012, 13, 10920-10934.	1.8	92
10	The Effect of Fiber Bleaching Treatment on the Properties of Poly(lactic acid)/Oil Palm Empty Fruit Bunch Fiber Composites. International Journal of Molecular Sciences, 2014, 15, 14728-14742.	1.8	86
11	Extraction and Characterization of Cellulose Nanocrystals from Tea Leaf Waste Fibers. Polymers, 2017, 9, 588.	2.0	84
12	Plasticized poly(lactic acid) with low molecular weight poly(ethylene glycol): Mechanical, thermal, and morphology properties. Journal of Applied Polymer Science, 2013, 130, 4576-4580.	1.3	76
13	Effect of organo-modified montmorillonite on poly(butylene succinate)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.1	62
14	Optimization of Tensile Strength of Poly(Lactic Acid)/Graphene Nanocomposites Using Response Surface Methodology. Polymer-Plastics Technology and Engineering, 2012, 51, 791-799.	1.9	61
15	Antibacterial activity of silver bionanocomposites synthesized by chemical reduction route. Chemistry Central Journal, 2012, 6, 101.	2.6	49
16	Impact Toughness and Ductility Enhancement of Biodegradable Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (acid)/Poly(<i> Science and Engineering, 2013, 2013, 1-8.	1.0	49
17	Effect of graphene nanoplatelets as nanofiller in plasticized poly(lactic acid) nanocomposites. Journal of Thermal Analysis and Calorimetry, 2014, 118, 1551-1559.	2.0	45
18	Effect of Maleic Anhydride-Modified Poly(lactic acid) on the Properties of Its Hybrid Fiber Biocomposites. Polymers, 2017, 9, 165.	2.0	45

#	Article	IF	Citations
19	Epoxidized Jatropha Oil as a Sustainable Plasticizer to Poly(lactic Acid). Polymers, 2017, 9, 204.	2.0	37
20	Functionalizing Graphene Oxide with Alkylamine by Gamma-ray Irradiation Method. Nanomaterials, 2017, 7, 135.	1.9	33
21	Gamma-Irradiation Induced Functionalization of Graphene Oxide with Organosilanes. International Journal of Molecular Sciences, 2019, 20, 1910.	1.8	27
22	The Influence of Green Surface Modification of Oil Palm Mesocarp Fiber by Superheated Steam on the Mechanical Properties and Dimensional Stability of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. International Journal of Molecular Sciences, 2014, 15, 15344-15357.	1.8	26
23	Superhydrophobic Nanocoatings as Intervention against Biofilm-Associated Bacterial Infections. Nanomaterials, 2021, 11, 1046.	1.9	26
24	Influence of Alkaline-Peroxide Treatment of Fiber on the Mechanical Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. BioResources, 2014, 10, .	0.5	25
25	Effects of Graphene Nanopletelets on Poly(Lactic Acid)/Poly(Ethylene Glycol) Polymer Nanocomposites. Advanced Materials Research, 0, 1024, 136-139.	0.3	22
26	Functionalization of Graphene Oxide via Gamma-Ray Irradiation for Hydrophobic Materials. , 2019, , 177-203.		21
27	Transparent Blend of Poly(Methylmethacrylate)/Cellulose Acetate Butyrate for the Protection from Ultraviolet. Polymers, 2016, 8, 128.	2.0	17
28	A review on analysis methods for nerve agent hydrolysis products. Forensic Toxicology, 2020, 38, 297-313.	1.4	17
29	Surface Modifications of Oil Palm Mesocarp Fiber by Superheated Steam, Alkali, and Superheated Steam-Alkali for Biocomposite Applications. BioResources, 2014, 9, .	0.5	16
30	Mechanical, thermal, and morphology properties of poly(lactic acid) plasticized with poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	15
31	Effect of Superheated Steam Treatment on the Mechanical Properties and Dimensional Stability of PALF/PLA Biocomposite. Polymers, 2019, 11, 482.	2.0	12
32	Reinforcement of graphene nanoplatelets on plasticized poly(lactic acid) nanocomposites: Mechanical, thermal, morphology, and antibacterial properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	10
33	Influence of Kenaf Core Fiber Incorporation on the Mechanical Performance and Dimensional Stability of Oil Palm Fiber Reinforced Poly(lactic acid) Hybrid Biocomposites. BioResources, 2016, 11, .	0.5	7
34	Effect of 3-Aminopropyltrimethoxysilane on Chemically Modified Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. BioResources, 2015, 10, .	0.5	5
35	Enhancement of the Mechanical Properties and Dimensional Stability of Oil Palm Empty Fruit Bunch-Kenaf Core and Oil Palm Mesocarp-Kenaf Core Hybrid Fiber-Reinforced Poly(lactic acid) Biocomposites by Borax Decahydrate Modification of Fibers. BioResources, 2016, 11, .	0.5	5
36	Elastomeric Nanocomposite Based on Exfoliated Graphene Oxide and Its Characteristics without Vulcanization. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	5

#	Article	IF	Citations
37	Static Mechanical, Interfacial, and Water Absorption Behaviors of Alkali Treated Oil Palm Mesocarp Fiber Reinforced Poly(butylene succinate) Biocomposites. BioResources, 2014, 10, .	0.5	4
38	Influence of Fiber Content on Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposites. BioResources, 2015, 10, .	0.5	3
39	Image Digitization of Colorimetric Detection of Acephate Based on Its Complexation with Citrate-Capped Gold Nanoparticles. Journal of Chemistry, 2020, 2020, 1-10.	0.9	2
40	Plasticized and Nanofilled Poly(Lactic Acid) Nanocomposites: Mechanical, Thermal and Morphology Properties. Materials Science Forum, 2016, 846, 429-433.	0.3	1
41	Enhancement of Tensile Properties of Surface Treated Oil Palm Mesocarp Fiber/Poly(Butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 665-672.	0.3	1
42	Miscible Transparent Polymethylmethacrylate/Cellulose Acetate Propionate Blend: Optical, Morphological, and Thermomechanical Properties. BioResources, 2016, 11, .	0.5	0