

Buong Woei Chieng

List of Publications by Year in descending order

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42
papers

2,549
citations

279487

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315357

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docs citations

42
times ranked

3670
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophobic Nanocoatings as Intervention against Biofilm-Associated Bacterial Infections. <i>Nanomaterials</i> , 2021, 11, 1046.	1.9	26
2	A review on analysis methods for nerve agent hydrolysis products. <i>Forensic Toxicology</i> , 2020, 38, 297-313.	1.4	17
3	Image Digitization of Colorimetric Detection of Acephate Based on Its Complexation with Citrate-Capped Gold Nanoparticles. <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	0.9	2
4	Gamma-Irradiation Induced Functionalization of Graphene Oxide with Organosilanes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1910.	1.8	27
5	Effect of Superheated Steam Treatment on the Mechanical Properties and Dimensional Stability of PALF/PLA Biocomposite. <i>Polymers</i> , 2019, 11, 482.	2.0	12
6	Functionalization of Graphene Oxide via Gamma-Ray Irradiation for Hydrophobic Materials. , 2019, , 177-203.		21
7	In Vitro Antimicrobial Activity of Green Synthesized Silver Nanoparticles Against Selected Gram-negative Foodborne Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 1555.	1.5	358
8	Isolation and Characterization of Cellulose Nanocrystals from Oil Palm Mesocarp Fiber. <i>Polymers</i> , 2017, 9, 355.	2.0	148
9	Functionalizing Graphene Oxide with Alkylamine by Gamma-ray Irradiation Method. <i>Nanomaterials</i> , 2017, 7, 135.	1.9	33
10	Epoxidized Jatropha Oil as a Sustainable Plasticizer to Poly(lactic Acid). <i>Polymers</i> , 2017, 9, 204.	2.0	37
11	Extraction and Characterization of Cellulose Nanocrystals from Tea Leaf Waste Fibers. <i>Polymers</i> , 2017, 9, 588.	2.0	84
12	Elastomeric Nanocomposite Based on Exfoliated Graphene Oxide and Its Characteristics without Vulcanization. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	1.5	5
13	Effect of Maleic Anhydride-Modified Poly(lactic acid) on the Properties of Its Hybrid Fiber Biocomposites. <i>Polymers</i> , 2017, 9, 165.	2.0	45
14	Influence of Kenaf Core Fiber Incorporation on the Mechanical Performance and Dimensional Stability of Oil Palm Fiber Reinforced Poly(lactic acid) Hybrid Biocomposites. <i>BioResources</i> , 2016, 11, .	0.5	7
15	Miscible Transparent Polymethylmethacrylate/Cellulose Acetate Propionate Blend: Optical, Morphological, and Thermomechanical Properties. <i>BioResources</i> , 2016, 11, .	0.5	0
16	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. <i>BioResources</i> , 2016, 11, .	0.5	5
17	Transparent Blend of Poly(Methylmethacrylate)/Cellulose Acetate Butyrate for the Protection from Ultraviolet. <i>Polymers</i> , 2016, 8, 128.	2.0	17
18	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

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19	Plasticized and Nanofilled Poly(Lactic Acid) Nanocomposites: Mechanical, Thermal and Morphology Properties. <i>Materials Science Forum</i> , 2016, 846, 429-433.	0.3	1
20	Enhancement of Tensile Properties of Surface Treated Oil Palm Mesocarp Fiber/Poly(Butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 665-672.	0.3	1
21	Reinforcement of graphene nanoplatelets on plasticized poly(lactic acid) nanocomposites: Mechanical, thermal, morphology, and antibacterial properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	10
22	Effect of 3-Aminopropyltrimethoxysilane on Chemically Modified Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. <i>BioResources</i> , 2015, 10, .	0.5	5
23	Influence of Fiber Content on Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposites. <i>BioResources</i> , 2015, 10, .	0.5	3
24	Epoxidized Vegetable Oils Plasticized Poly(lactic acid) Biocomposites: Mechanical, Thermal and Morphology Properties. <i>Molecules</i> , 2014, 19, 16024-16038.	1.7	146
25	The Effect of Fiber Bleaching Treatment on the Properties of Poly(lactic acid)/Oil Palm Empty Fruit Bunch Fiber Composites. <i>International Journal of Molecular Sciences</i> , 2014, 15, 14728-14742.	1.8	86
26	Influence of Alkaline-Peroxide Treatment of Fiber on the Mechanical Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. <i>BioResources</i> , 2014, 10, .	0.5	25
27	Static Mechanical, Interfacial, and Water Absorption Behaviors of Alkali Treated Oil Palm Mesocarp Fiber Reinforced Poly(butylene succinate) Biocomposites. <i>BioResources</i> , 2014, 10, .	0.5	4
28	Surface Modifications of Oil Palm Mesocarp Fiber by Superheated Steam, Alkali, and Superheated Steam-Alkali for Biocomposite Applications. <i>BioResources</i> , 2014, 9, .	0.5	16
29	Poly(lactic acid)/Poly(ethylene glycol) Polymer Nanocomposites: Effects of Graphene Nanoplatelets. <i>Polymers</i> , 2014, 6, 93-104.	2.0	416
30	Effects of Graphene Nanoplatelets and Reduced Graphene Oxide on Poly(lactic acid) and Plasticized Poly(lactic acid): A Comparative Study. <i>Polymers</i> , 2014, 6, 2232-2246.	2.0	100
31	Effect of graphene nanoplatelets as nanofiller in plasticized poly(lactic acid) nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 1551-1559.	2.0	45
32	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. <i>International Journal of Molecular Sciences</i> , 2014, 15, 15344-15357.	1.8	26
33	Plasticized poly(lactic acid) with low molecular weight poly(ethylene glycol): Mechanical, thermal, and morphology properties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 4576-4580.	1.3	76
34	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
35	Optimization of Tensile Strength of Poly(Lactic Acid)/Graphene Nanocomposites Using Response Surface Methodology. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 791-799.	1.9	61
36	Antibacterial activity of silver bionanocomposites synthesized by chemical reduction route. <i>Chemistry Central Journal</i> , 2012, 6, 101.	2.6	49

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37	A Comparative Study on the Mechanical, Thermal and Morphological Characterization of Poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	1.8	145
38	Synthesis of silver nanoparticles by using tea leaf extract from Camellia Sinensis. International Journal of Nanomedicine, 2012, 7, 4263.	3.3	146
39	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
40	Synthesis of ZnO nanoparticles by modified polyol method. Materials Letters, 2012, 73, 78-82.	1.3	104
41	Effect of organo-modified montmorillonite on poly(butylene succinate)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	1.1	62
42	Effects of Graphene Nanoplatelets on Poly(Lactic Acid)/Poly(Ethylene Glycol) Polymer Nanocomposites. Advanced Materials Research, 0, 1024, 136-139.	0.3	22