

Cheng Hock Chuah

List of Publications by Year in descending order

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79
papers

3,453
citations

147726

31
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149623

56
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all docs

80
docs citations

80
times ranked

4053
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Characterization of Polyvinyl Alcohol-Chitosan Composite Films Reinforced with Cellulose Nanofiber. <i>Materials</i> , 2016, 9, 644.	1.3	246
2	Applications of Lignocellulosic Fibers and Lignin in Bioplastics: A Review. <i>Polymers</i> , 2019, 11, 751.	2.0	219
3	The effect of natural and synthetic antioxidants on the oxidative stability of palm diesel. <i>Fuel</i> , 2006, 85, 867-870.	3.4	215
4	Synthesis of chitosan aerogels as promising carriers for drug delivery: A review. <i>Carbohydrate Polymers</i> , 2020, 231, 115744.	5.1	177
5	Preparation and characterization of nanocellulose reinforced semi-interpenetrating polymer network of chitosan hydrogel. <i>Cellulose</i> , 2017, 24, 2215-2228.	2.4	148
6	Fabrication of Porous Materials from Natural/Synthetic Biopolymers and Their Composites. <i>Materials</i> , 2016, 9, 991.	1.3	132
7	Separation of vitamin E (tocopherol, tocotrienol, and tococomonoenol) in palm oil. <i>Lipids</i> , 2004, 39, 1031-1035.	0.7	130
8	Rheological properties of cellulose nanocrystal-embedded polymer composites: a review. <i>Cellulose</i> , 2016, 23, 1011-1030.	2.4	110
9	Enhancement of Curcumin Bioavailability Using Nanocellulose Reinforced Chitosan Hydrogel. <i>Polymers</i> , 2017, 9, 64.	2.0	108
10	Curcumin/Tween 20-incorporated cellulose nanoparticles with enhanced curcumin solubility for nano-drug delivery: characterization and in vitro evaluation. <i>Cellulose</i> , 2019, 26, 5467-5481.	2.4	93
11	Influence of a nonionic surfactant on curcumin delivery of nanocellulose reinforced chitosan hydrogel. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1055-1064.	3.6	90
12	Selective extraction of palm carotene and vitamin E from fresh palm-pressed mesocarp fiber (<i>Elaeis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	84
13	Preparation of aerogel beads and microspheres based on chitosan and cellulose for drug delivery: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 751-767.	3.6	75
14	Review of Bionanocomposite Coating Films and Their Applications. <i>Polymers</i> , 2016, 8, 246.	2.0	72
15	Individualization of microfibrillated celluloses from oil palm empty fruit bunch: comparative studies between acid hydrolysis and ammonium persulfate oxidation. <i>Cellulose</i> , 2016, 23, 379-390.	2.4	69
16	Biomedical and Microbiological Applications of Bio-Based Porous Materials: A Review. <i>Polymers</i> , 2017, 9, 160.	2.0	69
17	Preparation and modification of water-blown porous biodegradable polyurethane foams with palm oil-based polyester polyol. <i>Industrial Crops and Products</i> , 2017, 97, 65-78.	2.5	68
18	Rigid Polyurethane Foam Production from Palm Oil-Based Epoxidized Diethanolamides. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2007, 84, 1161-1167.	0.8	64

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19	Application of supercritical fluid chromatography in the quantitative analysis of minor components (carotenes, vitamin E, sterols, and squalene) from palm oil. <i>Lipids</i> , 2005, 40, 429-432.	0.7	62
20	Simultaneous quantification of free fatty acids, free sterols, squalene, and acylglycerol molecular species in palm oil by high-temperature gas chromatography-flame ionization detection. <i>Lipids</i> , 2005, 40, 523-528.	0.7	50
21	Quality of residual oil from palm-pressed mesocarp fiber (<i>Elaeis guineensis</i>) using supercritical CO ₂ with and without ethanol. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 893-898.	0.8	48
22	Characterisation of Galloylated Cyanogenic Glucosides and Hydrolysable Tannins from Leaves of <i>Phyllagathis rotundifolia</i> by LC-ESI-MS/MS. <i>Phytochemical Analysis</i> , 2011, 22, 516-525.	1.2	45
23	Effect of Fiber Orientation on Mechanical Properties of Kenaf-Reinforced Polymer Composite. <i>BioResources</i> , 2015, 10, .	0.5	43
24	Synthesis of palm oil-based polyester polyol for polyurethane adhesive production. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	40
25	Recent advances in celluloses and their hybrids for stimuli-responsive drug delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 670-688.	3.6	40
26	Isolation of Palm Tocols Using Supercritical Fluid Chromatography. <i>Journal of Chromatographic Science</i> , 2004, 42, 536-539.	0.7	39
27	CHARACTERIZATION AND SUPERCRITICAL CARBON DIOXIDE EXTRACTION OF PALM OIL (ELAEIS GUINEENSIS). <i>Journal of Food Lipids</i> , 2006, 13, 210-221.	0.9	38
28	Polyurethane wood adhesive from palm oil-based polyester polyol. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 1020-1033.	1.4	35
29	Effect of TEMPO-oxidization and rapid cooling on thermo-structural properties of nanocellulose. <i>Carbohydrate Polymers</i> , 2017, 173, 91-99.	5.1	35
30	The Effect of Physical Refining on Palm Vitamin E (Tocopherol, Tocotrienol and Tocomonoenol). <i>American Journal of Applied Sciences</i> , 2007, 4, 374-377.	0.1	35
31	Extreme intraspecific chemical variability in soldier defense secretions of allopatric and sympatric colonies of <i>Longipeditermes longipes</i> . <i>Journal of Chemical Ecology</i> , 1984, 10, 929-944.	0.9	33
32	Production of Nanoemulsions from Palm-Based Tocotrienol Rich Fraction by Microfluidization. <i>Molecules</i> , 2015, 20, 19936-19946.	1.7	32
33	Synthesis of Palm Oil-Based Diethanolamides. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2007, 84, 945-952.	0.8	30
34	Neuroprotective activity of galloylated cyanogenic glucosides and hydrolysable tannins isolated from leaves of <i>Phyllagathis rotundifolia</i> . <i>FATOTERAPAC</i> , 2012, 83, 223-229.	1.1	27
35	Synergistic effect of (3-Aminopropyl)Trimethoxysilane treated ZnO and corundum nanoparticles under UV-irradiation on UV-cutoff and IR-absorption spectra of acrylic polyurethane based nanocomposite coating. <i>Polymer Degradation and Stability</i> , 2019, 159, 205-216.	2.7	27
36	Effects of high temperature and ultraviolet radiation on polymer composites. , 2019, , 407-426.		26

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37	Preparation and characterization of starch-based bioplastic composites with treated oil palm empty fruit bunch fibers and citric acid. <i>Cellulose</i> , 2021, 28, 4191-4210.	2.4	26
38	Synthesis and characterization of starch/fiber-based bioplastic composites modified by citric acid-epoxidized palm oil oligomer with reactive blending. <i>Industrial Crops and Products</i> , 2021, 170, 113797.	2.5	26
39	Enhanced curcumin loaded nanocellulose: a possible inhalable nanotherapeutic to treat COVID-19. <i>Cellulose</i> , 2022, 29, 1821-1840.	2.4	24
40	Soldier defense secretions of the Malaysian termite, <i>Hoploceramus umbrinus</i> (Isoptera, Termitidae). <i>Journal of Chemical Ecology</i> , 2010, 36, 622-632.	0.9	22
41	A New Protocol for Efficient and High Yield Preparation of Nanocellulose from <i>Elaeis guineensis</i> Biomass: A Response Surface Methodology (RSM) Study. <i>Journal of Polymers and the Environment</i> , 2019, 27, 678-702.	2.4	22
42	Electro-Stimulated Release of Poorly Water-Soluble Drug from Poly(Lactic Acid)/Carboxymethyl Cellulose/ZnO Nanocomposite Film. <i>Pharmaceutical Research</i> , 2020, 37, 178.	1.7	22
43	Critical considerations for fast and accurate regiospecific analysis of triacylglycerols using quantitative ¹³ C NMR. <i>Analytical Methods</i> , 2013, 5, 2064.	1.3	21
44	Synthesis, Characterization and the Solvent Effects on Interfacial Phenomena of <i>Jatropha Curcas</i> Oil Based Non-Isocyanate Polyurethane. <i>Polymers</i> , 2017, 9, 162.	2.0	21
45	Rapid and direct quantitative analysis of positional fatty acids in triacylglycerols using ¹³ C NMR. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 510-519.	1.0	20
46	Preparation and Characterization of Starch/Empty Fruit Bunch-Based Bioplastic Composites Reinforced with Epoxidized Oils. <i>Polymers</i> , 2021, 13, 94.	2.0	20
47	Interspecific variation in defense secretions of Malaysian termites from the genus <i>Nasutitermes</i> (Isoptera, Nasutitermitinae). <i>Journal of Chemical Ecology</i> , 1989, 15, 549-563.	0.9	19
48	Phospholipids from palm-pressed fiber. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2004, 81, 471-475.	0.8	19
49	pH-responsive poly(lactic acid)/sodium carboxymethyl cellulose film for enhanced delivery of curcumin in vitro. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101787.	1.4	19
50	Extraction and Identification of Water-Soluble Compounds in Palm-Pressed Fiber by SC-CO ₂ and GC-MS. <i>American Journal of Environmental Sciences</i> , 2007, 3, 54-59.	0.3	18
51	Biocompatible Polyurethane Scaffolds Prepared from Glycerol Monostearate-Derived Polyester Polyol. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2881-2900.	2.4	18
52	Bio-based Poly(hydroxy urethane)s: Synthesis and Pre/Post-Functionalization. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1281-1297.	1.7	18
53	Long-chain SFA at the sn-1, 3 positions of TAG reduce body fat deposition in C57BL/6 mice. <i>British Journal of Nutrition</i> , 2013, 110, 1987-1995.	1.2	17
54	Chemical defense secretions of some species of Malaysian rhinotermitidae (Isoptera, Rhinotermitidae). <i>Journal of Chemical Ecology</i> , 1990, 16, 685-692.	0.9	16

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55	Cellulose supported promising magnetic sorbents for magnetic solid-phase extraction: A review. <i>Carbohydrate Polymers</i> , 2021, 253, 117245.	5.1	16
56	5 β -hydroxygoniothalamin, a Styrylpyrone Derivative from <i>Goniothalamus dolichocarpus</i> (Annonaceae). <i>Natural Product Research</i> , 1995, 5, 255-259.	0.4	15
57	PRODUCTION OF REFINED CAROTENE-RICH PALM OIL FROM PALM MESOCARP (ELAEIS GUINEENSIS) USING SUPERCRITICAL CARBON DIOXIDE. <i>Journal of Food Lipids</i> , 2007, 14, 396-410.	0.9	15
58	Soldier defense secretions of the genus <i>Hospitalitermes</i> in Peninsular Malaysia. <i>Journal of Chemical Ecology</i> , 1986, 12, 701-712.	0.9	14
59	Properties of Sodium Methyl Ester Alpha-Sulfo Alkylate/Trimethylammonium Bromide Mixtures. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 601-611.	1.0	14
60	Soldier defense secretions of malaysian free-ranging termite of the genus <i>Lacessitermes</i> (Isoptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	13
61	Glycerol esters from the reaction of glycerol with dicarboxylic acid esters. <i>Journal of Surfactants and Detergents</i> , 2006, 9, 147-152.	1.0	13
62	Effect of Single and Double Stage Chemically Treated Kenaf Fibers on Mechanical Properties of Polyvinyl Alcohol Film. <i>BioResources</i> , 2014, 10, .	0.5	13
63	Investigations on the interactions of proteins with nanocellulose produced via sulphuric acid hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1522-1531.	3.6	12
64	SOLUBILITY OF TOCOPHEROL AND TOCOTRIENOLS FROM PALM OIL IN SUPERCRITICAL CARBON DIOXIDE. <i>Journal of Food Lipids</i> , 2007, 14, 377-385.	0.9	11
65	Surface Modification of Natural Fiber using Bi ₂ O ₃ /TiO ₂ Composite for Photocatalytic Self-cleaning. <i>BioResources</i> , 2015, 10, .	0.5	11
66	Disepalin, a New Acetogenin from <i>Disepalum Anomalum</i> (Annonaceae). <i>Natural Product Research</i> , 1996, 9, 141-151.	0.4	10
67	A Phytochemical Study of Borneo: Selected Plants from Sabah Lowland Forests. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 1997, 5, 29-52.	0.5	10
68	Characterization of Low Saturation Palm Oil Products after Continuous Enzymatic Interesterification and Dry Fractionation. <i>Journal of Food Science</i> , 2009, 74, E177-83.	1.5	8
69	Biological properties of sodium alkyl methyl ester sulfonate/alkyltrimethylammonium bromide surfactant mixtures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 48-52.	2.5	8
70	Nanotherapeutics for treating coronavirus diseases. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102634.	1.4	8
71	Determination of Coenzyme Q ₉ and Q ₁₀ in Developing Palm Fruits. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2009, 86, 201-205.	0.8	6
72	Nonisocyanate Poly(Hydroxyl Urethane)-Based Green Polymer Hybrid Coating Systems: Tailoring of Biomacromolecular Compound Architecture Using APTMS-ZnO/TEMPO-Oxidized Cellulose Nanoparticles. <i>ACS Omega</i> , 2020, 5, 10315-10326.	1.6	6

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73	One- and two-dimensional Fourier transform infrared correlation spectroscopy of <i>Phyllagathis rotundifolia</i> . <i>Journal of Molecular Structure</i> , 2011, 1006, 297-302.	1.8	5
74	Comparative study on the properties of starch-based bioplastics incorporated with palm oil and epoxidized palm oil. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112210875.	1.0	5
75	Very long chain fatty acid methyl esters in transesterified palm oil. <i>Lipids</i> , 2006, 41, 305-308.	0.7	4
76	Cleaner production technologies for the palm oil industry. <i>Lipid Technology</i> , 2007, 19, 31-34.	0.3	4
77	Preparation of isocyanate-free composite coating with controlled molecular architecture: A new convergent approach to functional macromolecules. <i>Progress in Organic Coatings</i> , 2021, 151, 106039.	1.9	3
78	Microfibrillated cellulose-reinforced alginate microbeads for delivery of palm-based vitamin E: Characterizations and in vitro evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103324.	1.4	3
79	Solubility of Palm Oil Components in Supercritical Carbon Dioxide. <i>International Journal of Food Engineering</i> , 2011, 7, .	0.7	1