

Norhazlin Zainuddin

List of Publications by Year in descending order

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61
papers

1,797
citations

279798

23
h-index

289244

40
g-index

62
all docs

62
docs citations

62
times ranked

2655
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, and antimicrobial properties of copper nanoparticles. International Journal of Nanomedicine, 2013, 8, 4467.	6.7	279
2	Copper Nanoparticles Mediated by Chitosan: Synthesis and Characterization via Chemical Methods. Molecules, 2012, 17, 14928-14936.	3.8	172
3	Mechanical, Thermal and Morphological Properties of Poly(lactic acid)/Epoxidized Palm Olein Blend. Molecules, 2012, 17, 11729-11747.	3.8	165
4	The Influence of Chemical Surface Modification of Kenaf Fiber using Hydrogen Peroxide on the Mechanical Properties of Biodegradable Kenaf Fiber/Poly(Lactic Acid) Composites. Molecules, 2014, 19, 2957-2968.	3.8	106
5	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.	4.1	86
6	Impact Toughness and Ductility Enhancement of Biodegradable Poly(lactic acid)/Poly(ethylene terephthalate) Composites. Science and Engineering, 2013, 2013, 1-8.	1.8	49
7	The usability of ark clam shell (Anadara granosa) as calcium precursor to produce hydroxyapatite nanoparticle via wet chemical precipitate method in various sintering temperature. SpringerPlus, 2016, 5, 1206.	1.2	46
8	Effect of Maleic Anhydride-Modified Poly(lactic acid) on the Properties of Its Hybrid Fiber Biocomposites. Polymers, 2017, 9, 165.	4.5	45
9	Characterisation of a remineralising Glass Ionomer Cement by MAS-NMR Spectroscopy. Dental Materials, 2012, 28, 1051-1058.	3.5	43
10	A long-term study on the setting reaction of glass ionomer cements by ²⁷ Al MAS-NMR spectroscopy. Dental Materials, 2009, 25, 290-295.	3.5	42
11	Impact Strength and Flexural Properties Enhancement of Methacrylate Silane Treated Oil Palm Mesocarp Fiber Reinforced Biodegradable Hybrid Composites. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	42
12	Preparation and characterization of irradiated carboxymethyl sago starch-acid hydrogel and its application as metal scavenger in aqueous solution. Carbohydrate Polymers, 2016, 138, 34-40.	10.2	42
13	Enhancement of Mechanical and Dynamic Mechanical Properties of Hydrophilic Nanoclay Reinforced Poly(lactic acid)/Polycaprolactone/Oil Palm Mesocarp Fiber Hybrid Composites. International Journal of Polymer Science, 2014, 2014, 1-8.	2.7	40
14	Oil Palm Mesocarp Fiber as New Lignocellulosic Material for Fabrication of Polymer/Fiber Biocomposites. International Journal of Polymer Science, 2013, 2013, 1-7.	2.7	35
15	Crystallization behavior of low-cost biphasic hydroxyapatite/ β -tricalcium phosphate ceramic at high sintering temperatures derived from high potential calcium waste sources. Results in Physics, 2019, 12, 638-644.	4.1	34
16	Enhancement of Mechanical and Thermal Properties of Poly(lactic acid)/Polycaprolactone Blends by Hydrophilic Nanoclay. Indian Journal of Materials Science, 2013, 2013, 1-11.	0.6	32
17	Carboxymethyl Cellulose Hydrogel from Biomass Waste of Oil Palm Empty Fruit Bunch Using Calcium Chloride as Crosslinking Agent. Polymers, 2021, 13, 4056.	4.5	29
18	Gamma-Irradiation Induced Functionalization of Graphene Oxide with Organosilanes. International Journal of Molecular Sciences, 2019, 20, 1910.	4.1	27

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19	Preparation and Characterization of Polyhydroxybutyrate/Polycaprolactone Nanocomposites. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	26
20	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.	4.1	26
21	Synthesis and Characterization of CuO Nanosheets in Polyvinylpyrrolidone by Quick Precipitation Method. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 193-197.	0.3	26
22	Third-order nonlinear optical properties of chemically synthesized copper oxide nanosheets. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 109-114.	2.7	25
23	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, .	1.0	25
24	Crosslinked Carboxymethyl Sago Starch/Citric Acid Hydrogel for Sorption of Pb ²⁺ , Cu ²⁺ , Ni ²⁺ and Zn ²⁺ from Aqueous Solution. <i>Polymers</i> , 2020, 12, 2465.	4.5	22
25	Photochemical Reduction as a Green Method for the Synthesis and Size Control of Silver Nanoparticles in β -Carrageenan. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 209-213.	2.0	21
26	Effect of crosslinking concentration on properties of 3-(trimethoxysilyl) propyl methacrylate/N-vinyl pyrrolidone gels. <i>Chemistry Central Journal</i> , 2018, 12, 15.	2.6	20
27	Effect of sintering temperature on physical and structural properties of Alumino-Silicate-Fluoride glass ceramics fabricated from clam shell and soda lime silicate glass. <i>Results in Physics</i> , 2019, 12, 1909-1914.	4.1	20
28	Preparation and Optimization of Water-Soluble Cationic Sago Starch with a High Degree of Substitution Using Response Surface Methodology. <i>Polymers</i> , 2020, 12, 2614.	4.5	18
29	Nanostructured Lipid Carriers-Hydrogels System for Drug Delivery: Nanohybrid Technology Perspective. <i>Molecules</i> , 2022, 27, 289.	3.8	17
30	Surface Modifications of Oil Palm Mesocarp Fiber by Superheated Steam, Alkali, and Superheated Steam-Alkali for Biocomposite Applications. <i>BioResources</i> , 2014, 9, .	1.0	16
31	An elucidating study on physical and structural properties of 45S5 glass at different sintering temperatures. <i>Journal of Non-Crystalline Solids</i> , 2015, 412, 24-29.	3.1	16
32	Soda lime silicate glass and clam Shell act as precursor in synthesize calcium fluoroaluminosilicate glass to fabricate glass ionomer cement with different ageing time. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6125-6134.	5.8	16
33	Oligomeric Composition of Polyols From Fatty Acid Methyl Ester: The Effect of Ring-Opening Reactants of Epoxide Groups. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 509-523.	1.9	15
34	Mechanical and Thermal Stability Properties of Modified Rice Straw Fiber Blend with Polycaprolactone Composite. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	2.7	14
35	Preparation, optimization and swelling study of carboxymethyl sago starch (CMSS) acid hydrogel. <i>Chemistry Central Journal</i> , 2018, 12, 133.	2.6	14
36	Fabrication of Alumino-Silicate-Fluoride based bioglass derived from waste clam shell and soda lime silica glasses. <i>Results in Physics</i> , 2019, 12, 743-747.	4.1	14

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37	Mechanical and Morphological Properties of Poly-3-hydroxybutyrate/Poly(butyleneadipate-co-terephthalate)/Layered Double Hydroxide Nanocomposites. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	13
38	Thermal and mechanical properties of thermoplastic urethanes made from crystalline and amorphous azelate polyols. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47890.	2.6	12
39	Effect of Superheated Steam Treatment on the Mechanical Properties and Dimensional Stability of PALF/PLA Biocomposite. <i>Polymers</i> , 2019, 11, 482.	4.5	12
40	Effect of unmodified rice straw on the properties of rice straw/polycaprolactone composites. <i>Research on Chemical Intermediates</i> , 2015, 41, 6371-6384.	2.7	11
41	Structural composition of organic matter in particle-size fractions of soils along a climo-biosequence in the main range of Peninsular Malaysia. <i>Open Geosciences</i> , 2016, 8, 503-513.	1.7	8
42	Synthesis and monomer reactivity ratios of acrylamide with 3-(trimethoxysilyl)propyl methacrylate and tris(methoxyethoxy)vinylsilane copolymers. <i>Polimery</i> , 2016, 61, 758-765.	0.7	8
43	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, .	1.0	7
44	Improved dynamic properties of thermoplastic polyurethanes made from monomeric polyester polyol soft segments based on azelaic acid. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50815.	2.6	7
45	Oscillatory structure-property correlation in azelate polyols and thermoplastic polyurethanes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46258.	2.6	6
46	Investigation of the siliceous hydrogel phase formation in glass-ionomer cement paste. <i>Physica B: Condensed Matter</i> , 2018, 551, 287-290.	2.7	6
47	Effect of 3-Aminopropyltrimethoxysilane on Chemically Modified Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. <i>BioResources</i> , 2015, 10, .	1.0	5
48	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, .	1.0	5
49	Synthesis and optimization selective ion-imprinted polymer for the elimination of Ca II ions using Taguchi design. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	5
50	Static Mechanical, Interfacial, and Water Absorption Behaviors of Alkali Treated Oil Palm Mesocarp Fiber Reinforced Poly(butylene succinate) Biocomposites. <i>BioResources</i> , 2014, 10, .	1.0	4
51	Incorporation of Hydroxyapatite into Glass Ionomer Cement (GIC) Formulated Based on Alumino-Silicate-Fluoride Glass Ceramics from Waste Materials. <i>Materials</i> , 2021, 14, 954.	2.9	4
52	Influence of Fiber Content on Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposites. <i>BioResources</i> , 2015, 10, .	1.0	3
53	Crystallographic characterization of fluorapatite glass-ceramics synthesized from industrial waste. <i>Powder Diffraction</i> , 2017, 32, S61-S65.	0.2	3
54	Preservation of organic matter in soils of a climo-biosequence in the Main Range of Peninsular Malaysia. <i>Journal of Mountain Science</i> , 2017, 14, 1763-1775.	2.0	2

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55	Oligomeric Composition of Palm Olein-Based Polyols: The Effect of Nucleophiles. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700354.	1.5	2
56	A Study of Fluoride-Containing Bioglass System for Dental Materials Derived from Clam Shell and Soda Lime Silica Glass. <i>Journal of Spectroscopy</i> , 2020, 2020, 1-9.	1.3	2
57	Effect of Chain Length for Dicarboxylic Monomeric Units of Polyester Polyols on the Morphology, Thermal and Mechanical Properties of Thermoplastic Urethanes. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2020, 97, 737-749.	1.9	2
58	Synthesis and properties of vinylpyrrolidone/ (trimethoxysilyl)propyl methacrylate gels containing different amounts of crosslinking agent. <i>Polimery</i> , 2018, 63, 577-585.	0.7	2
59	Effects of different sintering temperatures on thermal, physical, and morphological of SiO ₂ -Na ₂ O-CaO-P ₂ O ₅ based glass-ceramic system from vitreous and ceramic wastes. <i>Science of Sintering</i> , 2019, 51, 377-387.	1.4	2
60	Enhancement of Tensile Properties of Surface Treated Oil Palm Mesocarp Fiber/Poly(Butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 665-672.	0.3	1
61	Synthesis, characterization and thermal polymerization of new 3,4-dihydro-2H-1,3-naphthoxazine monomers. <i>Polimery</i> , 2017, 62, 86-92.	0.7	0