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	Nanostructured Lipid Carriers-Hydrogels System for Drug Delivery: Nanohybrid Technology Perspective. Molecules, 2022, 27, 289.	3.8	17
2	Synthesis and optimization selective ion-imprinted polymer for the elimination of Ca II ions using Taguchi design. Journal of Polymer Research, 2021, 28, 1.	2.4	5
3	Incorporation of Hydroxyapatite into Glass Ionomer Cement (GIC) Formulated Based on Alumino-Silicate-Fluoride Glass Ceramics from Waste Materials. Materials, 2021, 14, 954.	2.9	4
4	Improved dynamic properties of thermoplastic polyurethanes made from<scp>coâ€monomeric</scp>polyester polyol soft segments based on azelaic acid. Journal of Applied Polymer Science, 2021, 138, 50815.	2.6	7
5	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
6	Preparation and Optimization of Water-Soluble Cationic Sago Starch with a High Degree of Substitution Using Response Surface Methodology. Polymers, 2020, 12, 2614.	4.5	18
7	Crosslinked Carboxymethyl Sago Starch/Citric Acid Hydrogel for Sorption of Pb2+, Cu2+, Ni2+ and Zn2+ from Aqueous Solution. Polymers, 2020, 12, 2465.	4.5	22
8	A Study of Fluoride-Containing Bioglass System for Dental Materials Derived from Clam Shell and Soda Lime Silica Glass. Journal of Spectroscopy, 2020, 2020, 1-9.	1.3	2
9	Soda lime silicate glass and clam Shell act as precursor in synthesize calcium fluoroaluminosilicate glass to fabricate glass ionomer cement with different ageing time. Journal of Materials Research and Technology, 2020, 9, 6125-6134.	5.8	16
10	Effect of Chain Length for Dicarboxylic Monomeric Units of Polyester Polyols on the Morphology, Thermal and Mechanical Properties of Thermoplastic Urethanes. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 737-749.	1.9	2
11	Effect of sintering temperature on physical and structural properties of Alumino-Silicate-Fluoride glass ceramics fabricated from clam shell and soda lime silicate glass. Results in Physics, 2019, 12, 1909-1914.	4.1	20
12	Gamma-Irradiation Induced Functionalization of Graphene Oxide with Organosilanes. International Journal of Molecular Sciences, 2019, 20, 1910.	4.1	27
13	Thermal and mechanical properties of thermoplastic urethanes made from crystalline and amorphous azelate polyols. Journal of Applied Polymer Science, 2019, 136, 47890.	2.6	12
14	Effect of Superheated Steam Treatment on the Mechanical Properties and Dimensional Stability of PALF/PLA Biocomposite. Polymers, 2019, 11, 482.	4.5	12
15	Crystallization behavior of low-cost biphasic hydroxyapatite/Î²-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	Fabrication of Alumino-Silicate-Fluoride based bioglass derived from waste clam shell and soda lime silica glasses. Results in Physics, 2019, 12, 743-747.	4.1	14
17	Effects of different sintering temperatures on thermal, physical, and morphological of SiO2-Na2O-CaO-P2O5 based glass-ceramic system from vitreous and ceramic wastes. Science of Sintering, 2019, 51, 377-387.	1.4	2
18	Oscillatory structureâ€“property correlation in azelate polyols and thermoplastic polyurethanes. Journal of Applied Polymer Science, 2018, 135, 46258.	2.6	6

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19	Oligomeric Composition of Palm Oleinâ€Based Polyols: The Effect of Nucleophiles. European Journal of Lipid Science and Technology, 2018, 120, 1700354.	1.5	2
20	Investigation of the siliceous hydrogel phase formation in glass-ionomer cement paste. Physica B: Condensed Matter, 2018, 551, 287-290.	2.7	6
21	Effect of crosslinking concentration on properties of 3-(trimethoxysilyl) propyl methacrylate/N-vinyl pyrrolidone gels. Chemistry Central Journal, 2018, 12, 15.	2.6	20
22	Preparation, optimization and swelling study of carboxymethyl sago starch (CMSS)â€“acid hydrogel. Chemistry Central Journal, 2018, 12, 133.	2.6	14
23	Oligomeric Composition of Polyols From Fatty Acid Methyl Ester: The Effect of Ringâ€Opening Reactants of Epoxide Groups. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 509-523.	1.9	15
24	Synthesis and properties of vinylpyrrolidone/ (trimethoxysilyl)propyl methacrylate gels containing different amounts of crosslinking agent. Polimery, 2018, 63, 577-585.	0.7	2
25	Crystallographic characterization of fluorapatite glass-ceramics synthesized from industrial waste. Powder Diffraction, 2017, 32, S61-S65.	0.2	3
26	Preservation of organic matter in soils of a climo-biosequence in the Main Range of Peninsular Malaysia. Journal of Mountain Science, 2017, 14, 1763-1775.	2.0	2
27	Effect of Maleic Anhydride-Modified Poly(lactic acid) on the Properties of Its Hybrid Fiber Biocomposites. Polymers, 2017, 9, 165.	4.5	45
28	Synthesis, characterization and thermal polymerization of new 3,4-dihydro-2H-1,3-naphthoxazine monomers. Polimery, 2017, 62, 86-92.	0.7	0
29	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, .	1.0	7
30	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, .	1.0	5
31	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
32	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
33	Structural composition of organic matter in particle-size fractions of soils along a climo-biosequence in the main range of Peninsular Malaysia. Open Geosciences, 2016, 8, 503-513.	1.7	8
34	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
35	Photochemical Reduction as a Green Method for the Synthesis and Size Control of Silver Nanoparticles in Î²-Carrageenan. IEEE Nanotechnology Magazine, 2016, 15, 209-213.	2.0	21
36	Synthesis and monomer reactivity ratios of acrylamide with 3-(trimethoxysilyl)propyl methacrylate and tris(methoxyethoxy)vinylsilane copolymers. Polimery, 2016, 61, 758-765.	0.7	8

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37	Effect of 3-Aminopropyltrimethoxysilane on Chemically Modified Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. BioResources, 2015, 10, .	1.0	5
38	Influence of Fiber Content on Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposites. BioResources, 2015, 10, .	1.0	3
39	An elucidating study on physical and structural properties of 45S5 glass at different sintering temperatures. Journal of Non-Crystalline Solids, 2015, 412, 24-29.	3.1	16
40	Effect of unmodified rice straw on the properties of rice straw/polycaprolactone composites. Research on Chemical Intermediates, 2015, 41, 6371-6384.	2.7	11
41	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
42	Preparation and Characterization of Polyhydroxybutyrate/Polycaprolactone Nanocomposites. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	26
43	Enhancement of Mechanical and Dynamic Mechanical Properties of Hydrophilic Nanoclay Reinforced Polylactic Acid/Polycaprolactone/Oil Palm Mesocarp Fiber Hybrid Composites. International Journal of Polymer Science, 2014, 2014, 1-8.	2.7	40
44	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
45	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
46	Influence of Alkaline-Peroxide Treatment of Fiber on the Mechanical Properties of Oil Palm Mesocarp Fiber/Poly(butylene succinate) Biocomposite. BioResources, 2014, 10, .	1.0	25
47	Static Mechanical, Interfacial, and Water Absorption Behaviors of Alkali Treated Oil Palm Mesocarp Fiber Reinforced Poly(butylene succinate) Biocomposites. BioResources, 2014, 10, .	1.0	4
48	Surface Modifications of Oil Palm Mesocarp Fiber by Superheated Steam, Alkali, and Superheated Steam-Alkali for Biocomposite Applications. BioResources, 2014, 9, .	1.0	16
49	Mechanical and Thermal Stability Properties of Modified Rice Straw Fiber Blend with Polycaprolactone Composite. Journal of Nanomaterials, 2014, 2014, 1-9.	2.7	14
50	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.	4.1	26
51	Mechanical and Morphological Properties of Poly-3-hydroxybutyrate/Poly(butyleneadipate-co-terephthalate)/Layered Double Hydroxide Nanocomposites. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	13
52	Third-order nonlinear optical properties of chemically synthesized copper oxide nanosheets. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 109-114.	2.7	25
53	Impact Toughness and Ductility Enhancement of Biodegradable Poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (aci Science and Engineering, 2013, 2013, 1-8.	1.8	49
54	Synthesis, characterization, and antimicrobial properties of copper nanoparticles. International Journal of Nanomedicine, 2013, 8, 4467.	6.7	279

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55	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
56	Enhancement of Mechanical and Thermal Properties of Polylactic Acid/Polycaprolactone Blends by Hydrophilic Nanoclay. Indian Journal of Materials Science, 2013, 2013, 1-11.	0.6	32
57	Synthesis and Characterization of CuO Nanosheets in Polyvinylpyrrolidone by Quick Precipitation Method. Advanced Science, Engineering and Medicine, 2013, 5, 193-197.	0.3	26
58	Mechanical, Thermal and Morphological Properties of Poly(lactic acid)/Epoxidized Palm Olein Blend. Molecules, 2012, 17, 11729-11747.	3.8	165
59	Characterisation of a remineralising Glass CarbomerÂ® ionomer cement by MAS-NMR Spectroscopy. Dental Materials, 2012, 28, 1051-1058.	3.5	43
60	Copper Nanoparticles Mediated by Chitosan: Synthesis and Characterization via Chemical Methods. Molecules, 2012, 17, 14928-14936.	3.8	172
61	A long-term study on the setting reaction of glass ionomer cements by 27Al MAS-NMR spectroscopy. Dental Materials, 2009, 25, 290-295.	3.5	42