## Muhammad Bisyrul Hafi Othman

List of Publications by Year in descending order

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Muhammad Bisyrul Hafi

#	Article	IF	CITATIONS
1	Classification, processing and application of hydrogels: A review. Materials Science and Engineering C, 2015, 57, 414-433.	7.3	1,022
2	Dielectric constant and refractive index of poly (siloxane–imide) block copolymer. Materials & Design, 2011, 32, 3173-3182.	5.1	62
3	Synthesis and evaluation on pH- and temperature-responsive chitosan-p(MAA-co-NIPAM) hydrogels. International Journal of Biological Macromolecules, 2018, 108, 367-375.	7.5	58
4	Cross-link network of polydimethylsiloxane via addition and condensation (RTV) mechanisms. Part I: Synthesis and thermal properties. Polymer Degradation and Stability, 2011, 96, 2064-2070.	5.8	38
5	Effect of crosslink density on the refractive index of a polysiloxane network based on 2,4,6,8â€ŧetramethylâ€2,4,6, 8â€ŧetravinylcyclotetrasiloxane. Polymer International, 2013, 62, 382-389.	3.1	34
6	Synthesis and physicochemical investigation of chitosan-PMAA-based dual-responsive hydrogels. Journal of Polymer Research, 2013, 20, 1.	2.4	34
7	Thermal degradation and kinetics stability studies of oil palm (Elaeis Guineensis) biomass-derived lignin nanoparticle and its application as an emulsifying agent. Arabian Journal of Chemistry, 2021, 14, 103182.	4.9	27
8	Thermal properties and kinetic investigation of chitosan-PMAA based dual-responsive hydrogels. Industrial Crops and Products, 2015, 66, 178-187.	5.2	25
9	Preparation, physicochemical and stability studies of chitosan-PNIPAM based responsive microgels under various pH and temperature conditions. Iranian Polymer Journal (English Edition), 2015, 24, 317-328.	2.4	23
10	Compressive properties and thermal stability of hybrid carbon nanotube-alumina filled epoxy nanocomposites. Composites Part B: Engineering, 2016, 91, 235-242.	12.0	20
11	New generation of hybrid filler for producing epoxy nanocomposites with improved mechanical properties. Materials and Design, 2016, 91, 46-52.	7.0	20
12	Dependence of the dielectric constant on the fluorine content and porosity of polyimides. Journal of Applied Polymer Science, 2011, 121, 3192-3200.	2.6	19
13	Thermal properties of polyimide system containing silicone segments. Journal of Thermal Analysis and Calorimetry, 2012, 109, 1515-1523.	3.6	19
14	The effects of the SiOSi segment presence in BAPP/BPDA polyimide system on morphology and hardness properties for opto-electronic application. Materials and Design, 2015, 82, 98-105.	7.0	19
15	Swelling behavior and chemical stability of chitosan/nanocellulose biocomposites. Polymer Composites, 2018, 39, E561.	4.6	19
16	Synthesis and functionalization of chitosan built hydrogel with induced hydrophilicity for extended release of sparingly soluble drugs. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 376-396.	3.5	18
17	Functional properties of chitosan built nanohydrogel with enhanced glucose-sensitivity. International Journal of Biological Macromolecules, 2016, 83, 376-384.	7.5	17
18	Kinetic investigation and lifetime prediction of Cs–NIPAM–MBA-based thermo-responsive hydrogels. Carbohydrate Polymers, 2016, 136, 1182-1193.	10.2	15

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19	Synthesis, characterisation and thermal properties of hyperbranched polyimide derived from melamine via emulsion polymerisation. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1785-1798.	3.6	14
20	Comparative study of singleâ€layer graphene and singleâ€walled carbon nanotubeâ€filled epoxy nanocomposites based on mechanical and thermal properties. Polymer Composites, 2019, 40, E1840.	4.6	13
21	Effects of various fillers on anionic polyacrylamide systems for treating kaolin suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 306-311.	4.7	12
22	Thermal degradation behavior of a flame retardant melamine derivative hyperbranched polyimide with different terminal groups. RSC Advances, 2015, 5, 92664-92676.	3.6	12
23	Preparation and characterization of colloidized diamine/oxidized-graphene via condensation polymerization of carboxyl groups epoxy/oxidized-graphene nanocomposite. Polymer, 2017, 124, 186-202.	3.8	12
24	Synthesis and physicochemical investigation of chitosan-built hydrogel with induced glucose sensitivity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 824-834.	3.4	11
25	One-pot solvothermal synthesis and characterization of highly stable nickel nanoparticles. Nanotechnology Reviews, 2021, 10, 318-329.	5.8	11
26	Improvement of thermal conductivity and dielectric constant of graphene-filled epoxy nanocomposites using colloidal polymerization approach. Polymer Bulletin, 2020, 77, 2385-2404.	3.3	7
27	Star-shaped self-assembled micelles of block copolymer [chitosan-co-poly(ethylene glycol) methyl ether methacrylate] hydrogel for hydrophobic drug delivery. Polymer Bulletin, 2018, 75, 2243-2264.	3.3	6
28	Synthesis and thermo-chemical stability properties of 4,4′,4″-((1,3,5-triazine-2,4,6-triyl)tris(oxy))trianiline/4,4′-(4,4′-Isopropylidene-diphenoxy)bis(phthalic)	Tj <b>bis</b> Qq0 (	) 04rgBT /Ove
29	Nonisothermal Kinetic Degradation of Hybrid CNT/Alumina Epoxy Nanocomposites. Metals, 2021, 11, 657.	2.3	4
30	Synthesis and Characterization of Highly Cross-Link Polysiloxane Based on 2,4,6,8- Tetramethyl-2,4,6,8- Tetravinylcyclotetrasiloxane. Advanced Materials Research, 0, 295-297, 2393-2395.	0.3	3
31	The effects of hybrid fillers on thermal, mechanical, physical, and antimicrobial properties of ultrahigh-molecular-weight polyethylene-reinforced composites. Polymer Composites, 2017, 38, 1689-1697.	4.6	2
32	Effect of Curing Temperature on Degree Imidization of Melamine-BPADA Hyperbranched Polyimide Studied by FT-IR. Applied Mechanics and Materials, 2015, 754-755, 251-255.	0.2	1
33	Fabrication of nanoporous polyimide of low dielectric constant. , 2008, , .		0