

# Muhammad Bisyrul Hafi Othman

## List of Publications by Year in descending order

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33  
papers

1,601  
citations

471477

17  
h-index

434170

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2502  
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Synthesis, characterisation and thermal properties of hyperbranched polyimide derived from melamine via emulsion polymerisation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1785-1798.	3.6	14
20	Comparative study of single-layer graphene and single-walled carbon nanotube-filled epoxy nanocomposites based on mechanical and thermal properties. <i>Polymer Composites</i> , 2019, 40, E1840.	4.6	13
21	Effects of various fillers on anionic polyacrylamide systems for treating kaolin suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 306-311.	4.7	12
22	Thermal degradation behavior of a flame retardant melamine derivative hyperbranched polyimide with different terminal groups. <i>RSC Advances</i> , 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. <i>Polymer</i> , 2017, 124, 186-202.	3.8	12
24	Synthesis and physicochemical investigation of chitosan-built hydrogel with induced glucose sensitivity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 824-834.	3.4	11
25	One-pot solvothermal synthesis and characterization of highly stable nickel nanoparticles. <i>Nanotechnology Reviews</i> , 2021, 10, 318-329.	5.8	11
26	Improvement of thermal conductivity and dielectric constant of graphene-filled epoxy nanocomposites using colloidal polymerization approach. <i>Polymer Bulletin</i> , 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. <i>Polymer Bulletin</i> , 2018, 75, 2243-2264.	3.3	6
28	Synthesis and thermo-chemical stability properties of 4,4'-((1,3,5-triazine-2,4,6-triyl)tris(oxy))trianiline/4,4'-((4-isopropylidene-diphenoxy)bis(phthalic) Tj BTQ 0 0 OrgBT /Over	3.5	4
29	Nonisothermal Kinetic Degradation of Hybrid CNT/Alumina Epoxy Nanocomposites. <i>Metals</i> , 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. <i>Advanced Materials Research</i> , 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. <i>Polymer Composites</i> , 2017, 38, 1689-1697.	4.6	2
32	Effect of Curing Temperature on Degree Imidization of Melamine-BPADA Hyperbranched Polyimide Studied by FT-IR. <i>Applied Mechanics and Materials</i> , 2015, 754-755, 251-255.	0.2	1
33	Fabrication of nanoporous polyimide of low dielectric constant. , 2008, , .		0