

# Ida I Muhamad

## List of Publications by Year in descending order

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73  
papers

1,929  
citations

185998

28  
h-index

264894

42  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2765  
citing authors

#	ARTICLE	IF	CITATIONS
1	DEGRADATION KINETICS AND COLOR STABILITY OF SPRAY-DRIED ENCAPSULATED ANTHOCYANINS FROM <i>HIBISCUS SABDARIFFA</i> L.. Journal of Food Process Engineering, 2012, 35, 522-542.	1.5	148
2	Treatment of lead-contaminated water using activated carbon adsorbent from locally available papaya peel biowaste. Journal of Cleaner Production, 2016, 118, 210-222.	4.6	111
3	Controlled drug release via minimization of burst release in pH-response kappa-carrageenan/polyvinyl alcohol hydrogels. Chemical Engineering Research and Design, 2013, 91, 508-519.	2.7	103
4	The effect of nanoparticles on gastrointestinal release from modified $\kappa$ -carrageenan nanocomposite hydrogels. Carbohydrate Polymers, 2012, 89, 138-145.	5.1	93
5	Modification and swelling kinetic study of kappa-carrageenan-based hydrogel for controlled release study. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 182-191.	2.7	83
6	Genipin-cross-linked kappa-carrageenan/carboxymethyl cellulose beads and effects on beta-carotene release. Carbohydrate Polymers, 2011, 83, 1207-1212.	5.1	82
7	Gallic acid induced apoptotic events in HCT-15 colon cancer cells. World Journal of Gastroenterology, 2016, 22, 3952.	1.4	71
8	Evaluation of kappa carrageenan as potential carrier for floating drug delivery system: Effect of pore forming agents. Carbohydrate Polymers, 2016, 135, 207-214.	5.1	64
9	On Predicting Roller Milling Performance VI. Food and Bioproducts Processing, 2007, 85, 7-23.	1.8	60
10	Starch based Active Packaging Film Reinforced with Empty Fruit Bunch (EFB) Cellulose Nanofiber. Procedia Chemistry, 2014, 9, 23-33.	0.7	57
11	Swelling behaviour and controlled drug release from cross-linked $\kappa$ -carrageenan/NaCMC hydrogel by diffusion mechanism. Journal of Microencapsulation, 2012, 29, 368-379.	1.2	55
12	Acrylamide-based hydrogel drug delivery systems: Release of Acyclovir from MgO nanocomposite hydrogel. Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 182-193.	2.7	49
13	Montmorillonite-based polyacrylamide hydrogel rings for controlled vaginal drug delivery. Materials Science and Engineering C, 2020, 110, 110609.	3.8	48
14	Production of poly-hydroxyalkanoate as secondary metabolite with main focus on sustainable energy. Renewable and Sustainable Energy Reviews, 2017, 72, 95-104.	8.2	47
15	A review of <i>Acalypha indica</i> L. (Euphorbiaceae) as traditional medicinal plant and its therapeutic potential. Journal of Ethnopharmacology, 2017, 207, 146-173.	2.0	46
16	Recent progress in polymeric non-invasive insulin delivery. International Journal of Biological Macromolecules, 2022, 203, 222-243.	3.6	45
17	Impact of metal oxide nanoparticles on oral release properties of pH-sensitive hydrogel nanocomposites. International Journal of Biological Macromolecules, 2012, 50, 1334-1340.	3.6	44
18	Evaluation of kappa carrageenan as potential carrier for floating drug delivery system: Effect of cross linker. International Journal of Pharmaceutics, 2015, 496, 323-331.	2.6	44

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19	Microencapsulation of alginate-immobilized bagasse with <i>Lactobacillus rhamnosus</i> NRRL 442: Enhancement of survivability and thermotolerance. <i>Carbohydrate Polymers</i> , 2015, 119, 173-181.	5.1	43
20	The physicochemical properties of microwave-assisted encapsulated anthocyanins from <i>Ipomoea batatas</i> as affected by different wall materials. <i>Food Science and Nutrition</i> , 2015, 3, 91-99.	1.5	40
21	From formulation of acrylamide-based hydrogels to their optimization for drug release using response surface methodology. <i>Materials Science and Engineering C</i> , 2018, 92, 20-25.	3.8	36
22	Monitoring the Effect of pH on Bacterial Cellulose Production and <i>Acetobacter xylinum</i> 0416 Growth in a Rotary Discs Reactor. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 1881-1885.	1.1	35
23	Optimization of the antioxidant-rich xanthone extract from mangosteen ( <i>Garcinia mangostana</i> L.) pericarp via microwave-assisted extraction. <i>Heliyon</i> , 2019, 5, e02571.	1.4	35
24	Essential oils as insect repellent agents in food packaging: a review. <i>European Food Research and Technology</i> , 2020, 246, 1519-1532.	1.6	35
25	Green Synthesis of Mg <sub>0.99</sub> Zn <sub>0.01</sub> O Nanoparticles for the Fabrication of $\kappa$ -Carrageenan/NaCMC Hydrogel in order to Deliver Catechin. <i>Polymers</i> , 2020, 12, 861.	2.0	35
26	Effect of zinc content on structural, functional, morphological, and thermal properties of kappa-carrageenan/NaCMC nanocomposites. <i>Polymer Testing</i> , 2021, 93, 106922.	2.3	35
27	EFFECT OF THERMAL PROCESSES ON ROSELLE ANTHOCYANINS ENCAPSULATED IN DIFFERENT POLYMER MATRICES. <i>Journal of Food Processing and Preservation</i> , 2012, 36, 176-184.	0.9	33
28	Bioactive Algal-Derived Polysaccharides: Multi-Functionalization, Therapeutic Potential and Biomedical Applications. <i>Current Pharmaceutical Design</i> , 2019, 25, 1147-1162.	0.9	33
29	Physical and Chemical Characterisation of Acrylamide-Based Hydrogels, Aam, Aam/NaCMC and Aam/NaCMC/MgO. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1439-1449.	1.9	25
30	Effect of natural cross-linker on swelling and structural stability of kappa-carrageenan/hydroxyethyl cellulose pH-sensitive hydrogels. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1647-1655.	1.2	21
31	A Conductive polylactic acid/polyaniline porous scaffold via freeze extraction for potential biomedical applications. <i>Soft Materials</i> , 2016, 14, 78-86.	0.8	19
32	Characteristics of oils and nutrient contents of <i>Nigella sativa</i> Linn. and <i>Trigonella foenum-graecum</i> seeds. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2012, 26, .	0.5	18
33	Encapsulation of Anthocyanin from Roselle and Red Cabbage for Stabilization of Water-in-Oil Emulsion. <i>Agriculture and Agricultural Science Procedia</i> , 2014, 2, 82-89.	0.6	18
34	Investigation of acyclovir-loaded, acrylamide-based hydrogels for potential use as vaginal ring. <i>Materials Today Communications</i> , 2018, 16, 274-280.	0.9	17
35	Effect of MgO nanofillers on burst release reduction from hydrogel nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1443-1453.	1.7	15
36	Effect of frying on the rheological and chemical properties of palm oil and its blends. <i>Journal of Food Science and Technology</i> , 2015, 52, 1444-1452.	1.4	15

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37	Dietary management for healthier batter formulations. Trends in Food Science and Technology, 2021, 113, 411-422.	7.8	14
38	Polyaniline-coated halloysite nanotubes: effect of para-hydroxybenzene sulfonic acid doping. Composite Interfaces, 2014, 21, 715-722.	1.3	11
39	Microwave-assisted fibrous decoration of mPE surface utilizing Aloe vera extract for tissue engineering applications. International Journal of Nanomedicine, 2015, 10, 5909.	3.3	10
40	Preparation and evaluation of water-in-soybean oil-in-water emulsions by repeated premix membrane emulsification method using cellulose acetate membrane. Journal of Food Science and Technology, 2016, 53, 1845-1855.	1.4	9
41	Crude Oil Yield and Properties of Rice Bran Oil from Different Varieties as Affected by Extraction Conditions Using Soxhlet Method. Arabian Journal for Science and Engineering, 2018, 43, 6237-6244.	1.7	9
42	Strategies in Improving Properties of Cellulose-Based Hydrogels for Smart Applications. Polymers and Polymeric Composites, 2019, , 887-908.	0.6	9
43	Advanced Natural Food Colorant Encapsulation Methods: Anthocyanin Plant Pigment. , 2018, , 495-526.		8
44	Natural polysaccharide-based composites for drug delivery and biomedical applications. , 2019, , 419-440.		8
45	Unravelling the potential of nitric acid as a surface modifier for improving the hemocompatibility of metallocene polyethylene for blood contacting devices. PeerJ, 2016, 4, e1388.	0.9	8
46	Stability study of $\beta$ -tocopherol- $\beta$ -CD powders obtained by microwave heating and encapsulation process. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1473-1480.	2.0	7
47	Feasibility Study of Composting and Anaerobic Digestion Plant at Community Scale in Malaysia. Waste and Biomass Valorization, 2020, 11, 5165-5173.	1.8	7
48	Effect of pandan extract concentration to chromium (IV) removal using bacterial cellulose-pandan composites prepared by in-situ modification technique. Materials Today: Proceedings, 2020, 31, 89-95.	0.9	7
49	Effect of microwave heating on the quality characteristics of canola oil in presence of palm olein. Acta Scientiarum Polonorum, Technologia Alimentaria, 2013, 12, 241-52.	0.2	7
50	Characterization of Spray-Dried Palm Oil Vitamin E Concentrate. Arabian Journal for Science and Engineering, 2018, 43, 6165-6169.	1.7	6
51	Dielectric properties for selected wall material in the development of microwave-encapsulation-drying. Journal of Food Science and Technology, 2018, 55, 5161-5165.	1.4	5
52	Evaluation on Quality Attributes of Pectin Coated - Cassava Chips. Materials Today: Proceedings, 2019, 19, 1473-1480.	0.9	5
53	Fat blockage and improved characteristics of Coated-Cassava chips using natural edible coating from carboxymethyl cellulose in Deep-Frying process. Materials Today: Proceedings, 2020, 31, A85-A89.	0.9	5
54	Sugarcane Bagasse as the Potential Agro-Waste Resource for the Immobilization of <i>Lactobacillus rhamnosus</i> NRRL 442. Advanced Materials Research, 0, 1043, 214-218.	0.3	4

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55	Synthesis of Cocoa Butter Equivalent from Formulated Hard Palm Oil Mid-Fraction and Canola Oil Blends. <i>Advanced Materials Research</i> , 2015, 1113, 453-458.	0.3	4
56	Strategies in Improving Properties of Cellulose-Based Hydrogels for Smart Applications. <i>Polymers and Polymeric Composites</i> , 2018, , 1-22.	0.6	4
57	Trends, Convenience, and Safety Issues of Ready Meals. <i>Food Engineering Series</i> , 2015, , 105-123.	0.3	4
58	Potential of Antimicrobial Film Containing Thymol with pH Indicator to Increase Biosafety of Packed Food. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 62, .	0.3	3
59	Revolutionizing Therapeutic Drug Delivery: Intelligent Polymeric Systems and Hybrid Nano-carriers. <i>Materials Today: Proceedings</i> , 2018, 5, S149-S153.	0.9	3
60	Thermal Behavior of Bacterial Cellulose Based Hydrogels with Other Composites and Related Instrumental Analysis. <i>Polymers and Polymeric Composites</i> , 2018, , 1-25.	0.6	3
61	Production of cellulose nano-crystals from bacterial fermentation. <i>Materials Today: Proceedings</i> , 2019, 7, 754-762.	0.9	3
62	Incorporation of Filler/Additives in Polymer Gel for Advanced Application. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 445-492.	0.3	2
63	Accelerated testing methodology for long-term life prediction of cellulose-based polymeric composite materials. , 2019, , 149-171.		2
64	Improving the Delivery System and Bioavailability of Beverages Through Nanoencapsulation. , 2020, , 301-332.		2
65	Coating of Mixed Commercial $\beta$ -Mannanase and Phytase through Spraying on <i>Capra Hircus</i> Pelleted Feed. <i>Agriculture and Agricultural Science Procedia</i> , 2014, 2, 102-106.	0.6	1
66	Novel green surface modification of metallocene polyethylene by steam to enhance its hemocompatible properties. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	1
67	&lt;i>In Situ&i> Deposition of Conducting Polymer onto Pineapple Leaf Fiber. <i>Advanced Materials Research</i> , 0, 1043, 189-192.	0.3	0
68	Antibacterial Properties of Guided Bone Regeneration Membrane for Periodontal Applications. <i>Applied Mechanics and Materials</i> , 2014, 606, 47-50.	0.2	0
69	Solid Fuel Feedstock from Leaves Litter of Industrial Forestry in Riau, Indonesia. <i>Materials Science Forum</i> , 2017, 883, 102-107.	0.3	0
70	Effect of Solvent Types on Gaharu (&lt;i>Aqualaria malaccensis&i>) Extract Quality and its Chemical Compound. <i>Key Engineering Materials</i> , 0, 797, 202-210.	0.4	0
71	Thermal Behavior of Bacterial Cellulose-Based Hydrogels with Other Composites and Related Instrumental Analysis. <i>Polymers and Polymeric Composites</i> , 2019, , 763-787.	0.6	0
72	Ionically Gelled Polysaccharide-Based Floating Drug Delivery Systems. <i>Gels Horizons: From Science To Smart Materials</i> , 2021, , 161-185.	0.3	0

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73	Biopolymers as Potential Carrier for Effervescent Reaction Based Drug Delivery System in Gastrointestinal Condition. Series in Bioengineering, 2020, , 221-241.	0.3	0