Mohd Cairul Iqbal Mohd Amin

List of Publications by Year
in descending order

59 papers	3,565 citations	136950 32 h-index	138484 58 g-index
59 all docs	59 docs citations	59 times ranked	5021 citing authors

#	Article	IF	Citations
1	Synthesis and characterization of thermo- and pH-responsive bacterial cellulose/acrylic acid hydrogels for drug delivery. Carbohydrate Polymers, 2012, 88, 465-473.	10.2	341
2	PEGylated PAMAM dendrimers: Enhancing efficacy and mitigating toxicity for effective anticancer drug and gene delivery. Acta Biomaterialia, 2016, 43, 14-29.	8.3	296
3	PAMAM dendrimers as promising nanocarriers for RNAi therapeutics. Materials Today, 2015, 18, 565-572.	14.2	219
4	Optimization, characterization, and in vitro assessment of alginate-pectin ionic cross-linked hydrogel film for wound dressing applications. International Journal of Biological Macromolecules, 2017, 97, 131-140.	7.5	196
5	Development and physicochemical characterization of alginate composite film loaded with simvastatin as a potential wound dressing. Carbohydrate Polymers, 2016, 137, 295-304.	10.2	170
6	Recent advances in hyaluronic acid-decorated nanocarriers for targeted cancer therapy. Drug Discovery Today, 2017, 22, 665-680.	6.4	165
7	Recent advances in the design, development, and targeting mechanisms of polymeric micelles for delivery of siRNA in cancer therapy. Progress in Polymer Science, 2017, 64, 154-181.	24.7	150
8	Bacterial cellulose/acrylic acid hydrogel synthesized via electron beam irradiation: Accelerated burn wound healing in an animal model. Carbohydrate Polymers, 2014, 114, 312-320.	10.2	149
9	Development of a bacterial cellulose-based hydrogel cell carrier containing keratinocytes and fibroblasts for full-thickness wound healing. Scientific Reports, 2018, 8, 2875.	3.3	131
10	Biocompatible and Mucoadhesive Bacterial Cellulose-g-Poly(acrylic acid) Hydrogels for Oral Protein Delivery. Molecular Pharmaceutics, 2014, 11, 4130-4142.	4.6	103
11	Purification, characterization and comparative studies of spray-dried bacterial cellulose microparticles. Carbohydrate Polymers, 2014, 99, 180-189.	10.2	88
12	In vivo evaluation of bacterial cellulose/acrylic acid wound dressing hydrogel containing keratinocytes and fibroblasts for burn wounds. Drug Delivery and Translational Research, 2019, 9, 444-452.	5.8	88
13	Doxorubicin and siRNA Codelivery via Chitosan-Coated pH-Responsive Mixed Micellar Polyplexes for Enhanced Cancer Therapy in Multidrug-Resistant Tumors. Molecular Pharmaceutics, 2016, 13, 4179-4190.	4.6	83
14	Gamma Irradiation-Assisted Synthesis of Cellulose Nanocrystal-Reinforced Gelatin Hydrogels. Nanomaterials, 2018, 8, 749.	4.1	76
15	Dendrimer-mediated approaches for the treatment of brain tumor. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 557-580.	3.5	75
16	In Vivo Antitumor Activity of Folate-Conjugated Cholic Acid-Polyethylenimine Micelles for the Codelivery of Doxorubicin and siRNA to Colorectal Adenocarcinomas. Molecular Pharmaceutics, 2015, 12, 4247-4258.	4.6	69
17	Synthesis and Swelling Behavior of pH-Sensitive Semi-IPN Superabsorbent Hydrogels Based on Poly(acrylic acid) Reinforced with Cellulose Nanocrystals. Nanomaterials, 2017, 7, 399.	4.1	69
18	Rapid Synthesis of Superabsorbent Smart-Swelling Bacterial Cellulose/Acrylamide-Based Hydrogels for Drug Delivery. International Journal of Polymer Science, 2013, 2013, 1-10.	2.7	66

#	Article	IF	Citations
19	Stimuli-responsive bacterial cellulose-g-poly(acrylic acid-co-acrylamide) hydrogels for oral controlled release drug delivery. Drug Development and Industrial Pharmacy, 2014, 40, 1340-1349.	2.0	64
20	In VitroCharacterization of Pluronic F127 and D--Tocopheryl Polyethylene Glycol 1000 Succinate Mixed Micelles as Nanocarriers for Targeted Anticancer-Drug Delivery. Journal of Nanomaterials, 2012, 2012, 1-11.	2.7	59
21	Cellular and Molecular Interaction of Human Dermal Fibroblasts with Bacterial Nanocellulose Composite Hydrogel for Tissue Regeneration. ACS Applied Materials & Interfaces, 2018, 10, 39532-39543.	8.0	57
22	In-vivo dermal pharmacokinetics, efficacy, and safety of skin targeting nanoparticles for corticosteroid treatment of atopic dermatitis. International Journal of Pharmaceutics, 2016, 507, 72-82.	5.2	48
23	Characterization and biocompatibility evaluation of bacterial celluloseâ€based wound dressing hydrogel: effect of electron beam irradiation doses and concentration of acrylic acid. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2553-2564.	3.4	48
24	Microwaved bacterial cellulose-based hydrogel microparticles for the healing of partial thickness burn wounds. Drug Delivery and Translational Research, 2017, 7, 89-99.	5.8	40
25	Synthesis of a novel acrylated abietic acid-g-bacterial cellulose hydrogel by gamma irradiation. Carbohydrate Polymers, 2014, 110, 505-512.	10.2	39
26	The potential of dendrimer in delivery of therapeutics for dentistry. Heliyon, 2019, 5, e02544.	3.2	39
27	Minimization of Local and Systemic Adverse Effects of Topical Glucocorticoids by Nanoencapsulation: In Vivo Safety of Hydrocortisoneâ€“Hydroxytyrosol Loaded Chitosan Nanoparticles. Journal of Pharmaceutical Sciences, 2015, 104, 4276-4286.	3.3	38
28	Potential treatment of atopic dermatitis: tolerability and safety of cream containing nanoparticles loaded with hydrocortisone and hydroxytyrosol in human subjects. Drug Delivery and Translational Research, 2019, 9, 469-481.	5.8	38
29	Synergistic effect of pH-responsive folate-functionalized poloxamer 407-TPGS-mixed micelles on targeted delivery of anticancer drugs. International Journal of Nanomedicine, 2015, 10, 1321.	6.7	37
30	Recent advances in the role of supramolecular hydrogels in drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 1149-1161.	5.0	35
31	Enhancement of oral insulin bioavailability: in vitro and in vivo assessment of nanoporous stimuli-responsive hydrogel microparticles. Expert Opinion on Drug Delivery, 2016, 13, 621-632.	5.0	34
32	pH-Responsive Triblock Copolymeric Micelles Decorated with a Cell-Penetrating Peptide Provide Efficient Doxorubicin Delivery. Nanoscale Research Letters, 2016, 11, 539.	5.7	32
33	Efficient Immuno-Modulation of TH1/TH2 Biomarkers in 2,4-Dinitrofluorobenzene-Induced Atopic Dermatitis: Nanocarrier-Mediated Transcutaneous Co-Delivery of Anti-Inflammatory and Antioxidant Drugs. PLoS ONE, 2014, 9, e113143.	2.5	31
34	Characterisation andin vitroantimicrobial activity of biosynthetic silver-loaded bacterial cellulose hydrogels. Journal of Microencapsulation, 2016, 33, 725-734.	2.8	29
35	Enhanced paracellular delivery of vaccine by hydrogel microparticles-mediated reversible tight junction opening for effective oral immunization. Journal of Controlled Release, 2019, 311-312, 50-64.	9.9	29
36	Formulation and Evaluation of Microwave-Modified Chitosan-Curcumin Nanoparticlesâ€”A Promising Nanomaterials Platform for Skin Tissue Regeneration Applications Following Burn Wounds. Polymers, 2020, 12, 2608.	4.5	24

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37	Budesonide-Loaded Pectin/Polyacrylamide Hydrogel for Sustained Delivery: Fabrication, Characterization and In Vitro Release Kinetics. Molecules, 2021, 26, 2704.	3.8	24
38	Stomach specific polymeric low density microballoons as a vector for extended delivery of rabeprazole and amoxicillin for treatment of peptic ulcer. Colloids and Surfaces B: Biointerfaces, 2016, 141, 268-277.	5.0	23
39	Downregulation of immunological mediators in 2,4-dinitrofluorobenzene-induced atopic dermatitis-like skin lesions by hydrocortisone-loaded chitosan nanoparticles. International Journal of Nanomedicine, 2014, 9, 5143.	6.7	22
40	Insight into delivery of dermal fibroblast by non-biodegradable bacterial nanocellulose composite hydrogel on wound healing. International Journal of Biological Macromolecules, 2020, 159, 497-509.	7.5	22
41	Unique stimuli responsive characteristics of electron beam synthesized bacterial cellulose/acrylic acid composite. Journal of Applied Polymer Science, 2010, 116, 2920-2929.	2.6	21
42	Ionically Crosslinked Chitosan Hydrogels for the Controlled Release of Antimicrobial Essential Oils and Metal Ions for Wound Management Applications. Medicines (Basel, Switzerland), 2016, 3, 8.	1.4	21
43	Probing the effects of fish oil on the delivery and inflammation-inducing potential of imiquimod. International Journal of Pharmaceutics, 2015, 490, 131-141.	5.2	17
44	Cell Growth Inhibition Effect of DsiRNA Vectorised by Pectin-Coated Chitosan-Graphene Oxide Nanocomposites as Potential Therapy for Colon Cancer. Journal of Nanomaterials, 2017, 2017, 1-12.	2.7	16
45	Molecular Evaluation of Oral Immunogenicity of Hepatitis B Antigen Delivered by Hydrogel Microparticles. Molecular Pharmaceutics, 2019, 16, 3853-3872.	4.6	15
46	Mathematical Model for Estimating Parameters of Swelling Drug Delivery Devices in a Two-Phase Release. Polymers, 2020, 12, 2921.	4.5	14
47	Structure and Characteristics of Bacterial Cellulose-Based Hydrogels Prepared by Cryotropic Gelation and Irradiation Methods. Polymer-Plastics Technology and Engineering, 2013, 52, 1510-1518.	1.9	13
48	Endosomal Escape of Bioactives Deployed via Nanocarriers: Insights Into the Design of Polymeric Micelles. Pharmaceutical Research, 2022, 39, 1047-1064.	3.5	13
49	Accelerated Preparation of Novel Bacterial Cellulose/Acrylamide-Based Hydrogel by Microwave Irradiation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 402-405.	3.4	12
50	Novel engineering: Biomimicking erythrocyte as a revolutionary platform for drugs and vaccines delivery. European Journal of Pharmacology, 2021, 900, 174009.	3.5	12
51	Folic Acid Conjugated Nanocarriers for Efficient Targetability and Promising Anticancer Efficacy for Treatment of Breast Cancer: A Review of Recent Updates. Current Pharmaceutical Design, 2020, 26, 5365-5379.	1.9	12
52	Characterization, Disintegration, and Dissolution Analyses of Carrageenan-Based Hard-Shell Capsules Cross-Linked with Maltodextrin as a Potential Alternative Drug Delivery System. International Journal of Polymer Science, 2020, 2020, 1-7.	2.7	11
53	Mucoadhesive Nanocarriers as a Promising Strategy to Enhance Intracellular Delivery against Oral Cavity Carcinoma. Pharmaceutics, 2022, 14, 795.	4.5	11
54	Surface-engineered liposomes for dual-drug delivery targeting strategy against methicillin-resistant Staphylococcus aureus (MRSA). Asian Journal of Pharmaceutical Sciences, 2022, 17, 102-119.	9.1	9

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55	Recent Update on Bacteria as a Delivery Carrier in Cancer Therapy: From Evil to Allies. Pharmaceutical Research, 2022, 39, 1115-1134.	3.5	9
56	Exploring the possible targeting strategies of liposomes against methicillin-resistant Staphylococcus aureus (MRSA). European Journal of Pharmaceutics and Biopharmaceutics, 2021, 165, 84-105.	4.3	8
57	Outer membrane vesicles as biomimetic vaccine carriers against infections and cancers. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1784.	6.1	3
58	DENV-Mimetic Polymersome Nanoparticles Bearing Multi-Epitope Lipopeptides Antigen as the Next-Generation Dengue Vaccine. Pharmaceutics, 2022, 14, 156.	4.5	2
59	Editorial. Drug Delivery and Translational Research, 2019, 9, 417-417.	5.8	0