

Mohd Cairul Iqbal Mohd Amin

List of Publications by Year in descending order

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Version: 2024-02-01

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	DENV-Mimetic Polymersome Nanoparticles Bearing Multi-Epitope Lipopeptides Antigen as the Next-Generation Dengue Vaccine. <i>Pharmaceutics</i> , 2022, 14, 156.	4.5	2
2	Surface-engineered liposomes for dual-drug delivery targeting strategy against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Asian Journal of Pharmaceutical Sciences</i> , 2022, 17, 102-119.	9.1	9
3	Outer membrane vesicles as biomimetic vaccine carriers against infections and cancers. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1784.	6.1	3
4	Recent Update on Bacteria as a Delivery Carrier in Cancer Therapy: From Evil to Allies. <i>Pharmaceutical Research</i> , 2022, 39, 1115-1134.	3.5	9
5	Mucoadhesive Nanocarriers as a Promising Strategy to Enhance Intracellular Delivery against Oral Cavity Carcinoma. <i>Pharmaceutics</i> , 2022, 14, 795.	4.5	11
6	Endosomal Escape of Bioactives Deployed via Nanocarriers: Insights Into the Design of Polymeric Micelles. <i>Pharmaceutical Research</i> , 2022, 39, 1047-1064.	3.5	13
7	Budesonide-Loaded Pectin/Polyacrylamide Hydrogel for Sustained Delivery: Fabrication, Characterization and In Vitro Release Kinetics. <i>Molecules</i> , 2021, 26, 2704.	3.8	24
8	Novel engineering: Biomimicking erythrocyte as a revolutionary platform for drugs and vaccines delivery. <i>European Journal of Pharmacology</i> , 2021, 900, 174009.	3.5	12
9	Exploring the possible targeting strategies of liposomes against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 165, 84-105.	4.3	8
10	Mathematical Model for Estimating Parameters of Swelling Drug Delivery Devices in a Two-Phase Release. <i>Polymers</i> , 2020, 12, 2921.	4.5	14
11	Formulation and Evaluation of Microwave-Modified Chitosan-Curcumin Nanoparticles as a Promising Nanomaterials Platform for Skin Tissue Regeneration Applications Following Burn Wounds. <i>Polymers</i> , 2020, 12, 2608.	4.5	24
12	Characterization, Disintegration, and Dissolution Analyses of Carrageenan-Based Hard-Shell Capsules Cross-Linked with Maltodextrin as a Potential Alternative Drug Delivery System. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-7.	2.7	11
13	Insight into delivery of dermal fibroblast by non-biodegradable bacterial nanocellulose composite hydrogel on wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 497-509.	7.5	22
14	Folic Acid Conjugated Nanocarriers for Efficient Targetability and Promising Anticancer Efficacy for Treatment of Breast Cancer: A Review of Recent Updates. <i>Current Pharmaceutical Design</i> , 2020, 26, 5365-5379.	1.9	12
15	Editorial. <i>Drug Delivery and Translational Research</i> , 2019, 9, 417-417.	5.8	0
16	Molecular Evaluation of Oral Immunogenicity of Hepatitis B Antigen Delivered by Hydrogel Microparticles. <i>Molecular Pharmaceutics</i> , 2019, 16, 3853-3872.	4.6	15
17	Enhanced paracellular delivery of vaccine by hydrogel microparticles-mediated reversible tight junction opening for effective oral immunization. <i>Journal of Controlled Release</i> , 2019, 311-312, 50-64.	9.9	29
18	The potential of dendrimer in delivery of therapeutics for dentistry. <i>Heliyon</i> , 2019, 5, e02544.	3.2	39

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19	Potential treatment of atopic dermatitis: tolerability and safety of cream containing nanoparticles loaded with hydrocortisone and hydroxytyrosol in human subjects. <i>Drug Delivery and Translational Research</i> , 2019, 9, 469-481.	5.8	38
20	In vivo evaluation of bacterial cellulose/acrylic acid wound dressing hydrogel containing keratinocytes and fibroblasts for burn wounds. <i>Drug Delivery and Translational Research</i> , 2019, 9, 444-452.	5.8	88
21	Development of a bacterial cellulose-based hydrogel cell carrier containing keratinocytes and fibroblasts for full-thickness wound healing. <i>Scientific Reports</i> , 2018, 8, 2875.	3.3	131
22	Gamma Irradiation-Assisted Synthesis of Cellulose Nanocrystal-Reinforced Gelatin Hydrogels. <i>Nanomaterials</i> , 2018, 8, 749.	4.1	76
23	Cellular and Molecular Interaction of Human Dermal Fibroblasts with Bacterial Nanocellulose Composite Hydrogel for Tissue Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39532-39543.	8.0	57
24	Optimization, characterization, and in vitro assessment of alginate-pectin ionic cross-linked hydrogel film for wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 131-140.	7.5	196
25	Recent advances in hyaluronic acid-decorated nanocarriers for targeted cancer therapy. <i>Drug Discovery Today</i> , 2017, 22, 665-680.	6.4	165
26	Microwaved bacterial cellulose-based hydrogel microparticles for the healing of partial thickness burn wounds. <i>Drug Delivery and Translational Research</i> , 2017, 7, 89-99.	5.8	40
27	Characterization and biocompatibility evaluation of bacterial cellulose-based wound dressing hydrogel: effect of electron beam irradiation doses and concentration of acrylic acid. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2553-2564.	3.4	48
28	Recent advances in the design, development, and targeting mechanisms of polymeric micelles for delivery of siRNA in cancer therapy. <i>Progress in Polymer Science</i> , 2017, 64, 154-181.	24.7	150
29	Synthesis and Swelling Behavior of pH-Sensitive Semi-IPN Superabsorbent Hydrogels Based on Poly(acrylic acid) Reinforced with Cellulose Nanocrystals. <i>Nanomaterials</i> , 2017, 7, 399.	4.1	69
30	Cell Growth Inhibition Effect of DsiRNA Vectorised by Pectin-Coated Chitosan-Graphene Oxide Nanocomposites as Potential Therapy for Colon Cancer. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-12.	2.7	16
31	Ionically Crosslinked Chitosan Hydrogels for the Controlled Release of Antimicrobial Essential Oils and Metal Ions for Wound Management Applications. <i>Medicines (Basel, Switzerland)</i> , 2016, 3, 8.	1.4	21
32	pH-Responsive Triblock Copolymeric Micelles Decorated with a Cell-Penetrating Peptide Provide Efficient Doxorubicin Delivery. <i>Nanoscale Research Letters</i> , 2016, 11, 539.	5.7	32
33	In-vivo dermal pharmacokinetics, efficacy, and safety of skin targeting nanoparticles for corticosteroid treatment of atopic dermatitis. <i>International Journal of Pharmaceutics</i> , 2016, 507, 72-82.	5.2	48
34	PEGylated PAMAM dendrimers: Enhancing efficacy and mitigating toxicity for effective anticancer drug and gene delivery. <i>Acta Biomaterialia</i> , 2016, 43, 14-29.	8.3	296
35	Doxorubicin and siRNA Codelivery via Chitosan-Coated pH-Responsive Mixed Micellar Polyplexes for Enhanced Cancer Therapy in Multidrug-Resistant Tumors. <i>Molecular Pharmaceutics</i> , 2016, 13, 4179-4190.	4.6	83
36	Characterisation and <i>in vitro</i> antimicrobial activity of biosynthetic silver-loaded bacterial cellulose hydrogels. <i>Journal of Microencapsulation</i> , 2016, 33, 725-734.	2.8	29

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37	Stomach specific polymeric low density microballoons as a vector for extended delivery of rabeprazole and amoxicillin for treatment of peptic ulcer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 268-277.	5.0	23
38	Enhancement of oral insulin bioavailability: <i>in vitro</i> and <i>in vivo</i> assessment of nanoporous stimuli-responsive hydrogel microparticles. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 621-632.	5.0	34
39	Dendrimer-mediated approaches for the treatment of brain tumor. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 557-580.	3.5	75
40	Development and physicochemical characterization of alginate composite film loaded with simvastatin as a potential wound dressing. <i>Carbohydrate Polymers</i> , 2016, 137, 295-304.	10.2	170
41	Minimization of Local and Systemic Adverse Effects of Topical Glucocorticoids by Nanoencapsulation: In Vivo Safety of Hydrocortisone- α -Hydroxytyrosol Loaded Chitosan Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4276-4286.	3.3	38
42	Probing the effects of fish oil on the delivery and inflammation-inducing potential of imiquimod. <i>International Journal of Pharmaceutics</i> , 2015, 490, 131-141.	5.2	17
43	Recent advances in the role of supramolecular hydrogels in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1149-1161.	5.0	35
44	Synergistic effect of pH-responsive folate-functionalized poloxamer 407-TPGS-mixed micelles on targeted delivery of anticancer drugs. <i>International Journal of Nanomedicine</i> , 2015, 10, 1321.	6.7	37
45	PAMAM dendrimers as promising nanocarriers for RNAi therapeutics. <i>Materials Today</i> , 2015, 18, 565-572.	14.2	219
46	<i>In Vivo</i> Antitumor Activity of Folate-Conjugated Cholic Acid-Polyethylenimine Micelles for the Codelivery of Doxorubicin and siRNA to Colorectal Adenocarcinomas. <i>Molecular Pharmaceutics</i> , 2015, 12, 4247-4258.	4.6	69
47	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. <i>PLoS ONE</i> , 2014, 9, e113143.	2.5	31
48	Downregulation of immunological mediators in 2,4-dinitrofluorobenzene-induced atopic dermatitis-like skin lesions by hydrocortisone-loaded chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 5143.	6.7	22
49	Stimuli-responsive bacterial cellulose-g-poly(acrylic acid-co-acrylamide) hydrogels for oral controlled release drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 1340-1349.	2.0	64
50	Synthesis of a novel acrylated abietic acid-g-bacterial cellulose hydrogel by gamma irradiation. <i>Carbohydrate Polymers</i> , 2014, 110, 505-512.	10.2	39
51	Purification, characterization and comparative studies of spray-dried bacterial cellulose microparticles. <i>Carbohydrate Polymers</i> , 2014, 99, 180-189.	10.2	88
52	Biocompatible and Mucoadhesive Bacterial Cellulose-g-Poly(acrylic acid) Hydrogels for Oral Protein Delivery. <i>Molecular Pharmaceutics</i> , 2014, 11, 4130-4142.	4.6	103
53	Bacterial cellulose/acrylic acid hydrogel synthesized via electron beam irradiation: Accelerated burn wound healing in an animal model. <i>Carbohydrate Polymers</i> , 2014, 114, 312-320.	10.2	149
54	Structure and Characteristics of Bacterial Cellulose-Based Hydrogels Prepared by Cryotropic Gelation and Irradiation Methods. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1510-1518.	1.9	13

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55	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
56	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
57	<i>In Vitro</i> Characterization 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
58	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
59	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