

Muhammed Sohail

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,104
citations

218381

26
h-index

243296

44
g-index

54
all docs

54
docs citations

54
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyaluronic acid, a promising skin rejuvenating biomedicine: A review of recent updates and pre-clinical and clinical investigations on cosmetic and nutricosmetic effects. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1682-1695.	3.6	261
2	Biopolymer-based biomaterials for accelerated diabetic wound healing: A critical review. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 975-993.	3.6	178
3	Bioinspired sodium alginate based thermosensitive hydrogel membranes for accelerated wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 751-765.	3.6	141
4	PEGylation: a promising strategy to overcome challenges to cancer-targeted nanomedicines: a review of challenges to clinical transition and promising resolution. <i>Drug Delivery and Translational Research</i> , 2019, 9, 721-734.	3.0	117
5	Gelatin-based hydrogels as potential biomaterials for colonic delivery of oxaliplatin. <i>International Journal of Pharmaceutics</i> , 2019, 556, 236-245.	2.6	87
6	Controlled delivery of valsartan by cross-linked polymeric matrices: Synthesis, in vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2015, 487, 110-119.	2.6	84
7	Recent Advancements in Stimuli Responsive Drug Delivery Platforms for Active and Passive Cancer Targeting. <i>Cancers</i> , 2021, 13, 670.	1.7	79
8	Synthesis of chemically cross-linked polyvinyl alcohol-co-poly (methacrylic acid) hydrogels by copolymerization; a potential graft-polymeric carrier for oral delivery of 5-fluorouracil. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2013, 21, 44.	0.9	77
9	Curcumin based nanomedicines as efficient nanoplatform for treatment of cancer: New developments in reversing cancer drug resistance, rapid internalization, and improved anticancer efficacy. <i>Trends in Food Science and Technology</i> , 2018, 80, 8-22.	7.8	63
10	Cross-Linked Sodium Alginate-g-poly(Acrylic Acid) Structure: A Potential Hydrogel Network for Controlled Delivery of Loxoprofen Sodium. <i>Advances in Polymer Technology</i> , 2018, 37, 985-995.	0.8	62
11	Chitosan based thermosensitive injectable hydrogels for controlled delivery of loxoprofen: development, characterization and in-vivo evaluation. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 233-245.	3.6	60
12	Natural and synthetic polymer-based smart biomaterials for management of ulcerative colitis: a review of recent developments and future prospects. <i>Drug Delivery and Translational Research</i> , 2019, 9, 595-614.	3.0	55
13	Improved drug delivery and accelerated diabetic wound healing by chondroitin sulfate grafted alginate-based thermoreversible hydrogels. <i>Materials Science and Engineering C</i> , 2021, 126, 112169.	3.8	54
14	Novel biodegradable pH-sensitive hydrogels: An efficient controlled release system to manage ulcerative colitis. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 83-96.	3.6	45
15	Natural and synthetic materials based CMCh/PVA hydrogels for oxaliplatin delivery: Fabrication, characterization, In-Vitro and In-Vivo safety profiling. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 538-548.	3.6	42
16	Bio-functional hydrogel membranes loaded with chitosan nanoparticles for accelerated wound healing. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 207-221.	3.6	39
17	Curcumin-laden hyaluronic acid-co-Pullulan-based biomaterials as a potential platform to synergistically enhance the diabetic wound repair. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 350-368.	3.6	38
18	Pectin-based (LA-co-MAA) semi-IPNS as a potential biomaterial for colonic delivery of oxaliplatin. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118557.	2.6	37

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19	Nanomedicines as emerging platform for simultaneous delivery of cancer therapeutics: new developments in overcoming drug resistance and optimizing anticancer efficacy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1015-1024.	1.9	36
20	Preparation and Evaluation of Skin Wound Healing Chitosan-Based Hydrogel Membranes. <i>AAPS PharmSciTech</i> , 2018, 19, 3199-3209.	1.5	33
21	Synthesis of PEG-4000-co-poly (AMPS) nanogels by cross-linking polymerization as highly responsive networks for enhancement in meloxicam solubility. <i>Drug Development and Industrial Pharmacy</i> , 2021, 47, 465-476.	0.9	33
22	Self-crosslinked chitosan/̢-carrageenan-based biomimetic membranes to combat diabetic burn wound infections. <i>International Journal of Biological Macromolecules</i> , 2022, 197, 157-168.	3.6	33
23	Novel pH responsive supramolecular hydrogels of chitosan hydrochloride and polyoxometalate: In-vitro, in-vivo and preliminary safety evaluation. <i>International Journal of Pharmaceutics</i> , 2017, 533, 125-137.	2.6	32
24	Domperidone nanocrystals with boosted oral bioavailability: fabrication, evaluation and molecular insight into the polymer-domperidone nanocrystal interaction. <i>Drug Delivery and Translational Research</i> , 2019, 9, 284-297.	3.0	32
25	HEMA based pH-sensitive semi IPN microgels for oral delivery; a rationale approach for ketoprofen. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 272-282.	0.9	30
26	Dexibuprofen nanocrystals with improved therapeutic performance: fabrication, characterization, in silico modeling, and in vivo evaluation. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1677-1692.	3.3	25
27	Functionalized pectin hydrogels by cross-linking with monomer: synthesis, characterization, drug release and pectinase degradation studies. <i>Polymer Bulletin</i> , 2020, 77, 339-356.	1.7	22
28	̢-cyclodextrin modification by cross-linking polymerization as highly porous nanomatrices for olanzapine solubility improvement; synthesis, characterization and bio-compatibility evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 67, 102952.	1.4	22
29	Facile Synthesis of Chitosan Based-(AMPS-co-AA) Semi-IPNs as a Potential Drug Carrier: Enzymatic Degradation, Cytotoxicity, and Preliminary Safety Evaluation. <i>Current Drug Delivery</i> , 2019, 16, 242-253.	0.8	21
30	Development of natural and synthetic polymer-based semi-interpenetrating polymer network for controlled drug delivery: optimization and in vitro evaluation studies. <i>Polymer Bulletin</i> , 2017, 74, 737-761.	1.7	20
31	Engineering of Naproxen Loaded Polymer Hybrid Enteric Microspheres for Modified Release Tablets: Development, Characterization, in silico Modelling and in vivo Evaluation. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 27-41.	2.0	17
32	Biofunctional Hyaluronic Acid/̢-Carrageenan Injectable Hydrogels for Improved Drug Delivery and Wound Healing. <i>Polymers</i> , 2022, 14, 376.	2.0	17
33	A new strategy for taste masking of azithromycin antibiotic: development, characterization, and evaluation of azithromycin titanium nanohybrid for masking of bitter taste using physisorption and panel testing studies. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3855-3866.	2.0	15
34	Novel gelatin-polyoxometalate based self-assembled pH responsive hydrogels: formulation and in vitro characterization. <i>Designed Monomers and Polymers</i> , 2016, 19, 697-705.	0.7	13
35	Hydrophobic-hydrophilic cross-linked matrices for controlled release formulation of Highly water-soluble drug venlafaxine: Synthesis and evaluation studies. <i>Advances in Polymer Technology</i> , 2018, 37, 3146-3158.	0.8	13
36	Bioactive and multifunctional keratin-pullulan based hydrogel membranes facilitate re-epithelization in diabetic model. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1826-1836.	3.6	13

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37	Hybridization and functionalization with biological macromolecules synergistically improve biomedical efficacy of silver nanoparticles: Reconceptualization of in-vitro, in-vivo and clinical studies. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101169.	1.4	12
38	Development and In Vitro Evaluation of High Molecular Weight Chitosan Based Polymeric Composites for Controlled Delivery of Valsartan. <i>Advances in Polymer Technology</i> , 2016, 35, 361-368.	0.8	11
39	Novel polymeric composites based on carboxymethyl chitosan and poly(acrylic acid): in vitro and in vivo evaluation. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 147.	1.7	11
40	Synthesis and evaluation of topical hydrogel membranes; a novel approach to treat skin disorders. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 191.	1.7	11
41	Chitosan/guar gum-based thermoreversible hydrogels loaded with pullulan nanoparticles for enhanced nose-to-brain drug delivery. <i>International Journal of Biological Macromolecules</i> , 2022, 215, 579-595.	3.6	11
42	Venlafaxine-loaded sustained-release poly(hydroxyethyl methacrylate-co-itaconic acid) hydrogel composites: their synthesis and in vitro/in vivo attributes. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 251-258.	1.3	9
43	Topical hydrogel patches of vinyl monomers containing mupirocin for skin injuries: Synthesis and evaluation. <i>Advances in Polymer Technology</i> , 2018, 37, 3401-3411.	0.8	8
44	Efficient design to fabricate smart Lumefantrine nanocrystals using DENA® particle engineering technology: Characterisation, in vitro and in vivo antimalarial evaluation and assessment of acute and sub-acute toxicity. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102228.	1.4	8
45	Norfloxacin Loaded Lipid Polymer Hybrid Nanoparticles for Oral Administration: Fabrication, Characterization, In Silico Modelling and Toxicity Evaluation. <i>Pharmaceutics</i> , 2021, 13, 1632.	2.0	7
46	Cross-linking polymerization of beta-cyclodextrin with acrylic monomers; characterization and study of drug carrier properties. <i>Polymer Bulletin</i> , 2023, 80, 1893-1914.	1.7	7
47	Synthesis and Evaluation of Polyethylene Glycol-4000-Co-Poly (AMPS) Based Hydrogel Membranes for Controlled Release of Mupirocin for Efficient Wound Healing. <i>Current Drug Delivery</i> , 2022, 19, 1102-1115.	0.8	6
48	Folic acid-functionalized nanoparticles-laden biomaterials for the improved oral delivery of hydrophobic drug in colorectal cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 71, 103287.	1.4	6
49	Thermosensitive Hydrogels: From Bench to Market. <i>Current Science</i> , 2018, 114, 2256.	0.4	4
50	Synthesis of novel combinatorial drug delivery system (nCDDS) for co-delivery of 5-fluorouracil and leucovorin calcium for colon targeting and controlled drug release. <i>Drug Development and Industrial Pharmacy</i> , 2022, , 1-14.	0.9	4
51	Pharmacokinetic Profile of Oxaliplatin-Loaded pH-Responsive Hydrogels in Rabbits. <i>Current Pharmaceutical Design</i> , 2020, 26, 5755-5763.	0.9	3
52	Single dose pharmacokinetics of atorvastatin oral formulations using a simple HPLC-UV method. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016, 29, 1151-4.	0.2	0
53	Piroxicam loaded polymer hybrid microspheres based tablets with modified release kinetics: Development, characterization and in vivo evaluation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2021, 34, 327-335.	0.2	0