

Mahmood Ahmad

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73
papers

1,036
citations

19
h-index

30
g-index

74
ext. papers

1,398
ext. citations

2.8
avg, IF

4.86
L-index

#	Paper	IF	Citations
73	Cross-linked Cyclodextrin and carboxymethyl cellulose hydrogels for controlled drug delivery of acyclovir. <i>PLoS ONE</i> , 2017 , 12, e0172727	3.7	79
72	Alginate-polyvinyl alcohol based interpenetrating polymer network for prolonged drug therapy, Optimization and in-vitro characterization. <i>Carbohydrate Polymers</i> , 2017 , 166, 183-194	10.3	73
71	Controlled delivery of valsartan by cross-linked polymeric matrices: Synthesis, in vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2015 , 487, 110-9	6.5	58
70	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	3.9	53
69	Chitosan/Xanthan Gum Based Hydrogels as Potential Carrier for an Antiviral Drug: Fabrication, Characterization, and Safety Evaluation. <i>Frontiers in Chemistry</i> , 2020 , 8, 50	5	40
68	Synthesis and evaluation of chondroitin sulfate based hydrogels of loxoprofen with adjustable properties as controlled release carriers. <i>Carbohydrate Polymers</i> , 2018 , 181, 1169-1179	10.3	39
67	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	7.9	38
66	Controlled release of highly water-soluble antidepressant from hybrid copolymer poly vinyl alcohol hydrogels. <i>Polymer Bulletin</i> , 2014 , 71, 31-46	2.4	38
65	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	1.9	37
64	Preparation and characterization of alginate-PVA-based semi-IPN: controlled release pH-responsive composites. <i>Polymer Bulletin</i> , 2018 , 75, 1075-1099	2.4	37
63	Self-assembled supramolecular thermoreversible Cyclodextrin/ethylene glycol injectable hydrogels with difunctional Pluronic127 as controlled delivery depot of curcumin. Development, characterization and in vitro evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 1-34	3.5	36
62	CD based hydrogel microparticulate system to improve the solubility of acyclovir: Optimization through in-vitro, in-vivo and toxicological evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2016 , 36, 75-88	4.5	34
61	Development and characterization of pH-responsive polyethylene glycol-co-poly(methacrylic acid) polymeric network system for colon target delivery of oxaliplatin: Its acute oral toxicity study. <i>Advances in Polymer Technology</i> , 2018 , 37, 1806-1822	1.9	27
60	Oxaliplatin-loaded crosslinked polymeric network of chondroitin sulfate-co-poly(methacrylic acid) for colorectal cancer: Its toxicological evaluation. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45312	2.9	26
59	Synthesis and Characterization of Biodegradable Hydrogels for Oral Delivery of 5-Fluorouracil Targeted to Colon: Screening with Preliminary In Vivo Studies. <i>Advances in Polymer Technology</i> , 2018 , 37, 221-229	1.9	24
58	Development of Acyclovir Loaded Cyclodextrin-g-Poly Methacrylic Acid Hydrogel Microparticles: An In Vitro Characterization. <i>Advances in Polymer Technology</i> , 2018 , 37, 697-705	1.9	24
57	Hydrogel Microparticles as an Emerging Tool in Pharmaceutical Field: A Review. <i>Advances in Polymer Technology</i> , 2016 , 35, 121-128	1.9	22

56	Preparation and characterization of pH sensitive crosslinked Linseed polysaccharides-co-acrylic acid/methacrylic acid hydrogels for controlled delivery of ketoprofen. <i>Designed Monomers and Polymers</i> , 2017 , 20, 485-495	3.1	20
55	Development of Cyclodextrin-based hydrogel microparticles for solubility enhancement of rosuvastatin: an in vitro and in vivo evaluation. <i>Drug Design, Development and Therapy</i> , 2017 , 11, 3083-3098	4.4	20
54	Synthesis of hydrogels for combinatorial delivery of 5-fluorouracil and leucovorin calcium in colon cancer: optimization, in vitro characterization and its toxicological evaluation. <i>Polymer Bulletin</i> , 2019 , 76, 3017-3037	2.4	19
53	Preparation and Evaluation of Skin Wound Healing Chitosan-Based Hydrogel Membranes. <i>AAPS PharmSciTech</i> , 2018 , 19, 3199-3209	3.9	19
52	Formulation design and development of matrix diffusion controlled transdermal drug delivery of glimepiride. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 349-364	4.4	18
51	Development and in vitro-in vivo relationship of controlled-release microparticles loaded with tramadol hydrochloride. <i>International Journal of Pharmaceutics</i> , 2011 , 407, 38-43	6.5	18
50	pH-responsive smart gels of block copolymer [pluronic F127-co-poly(acrylic acid)] for controlled delivery of Ivabradine hydrochloride: its toxicological evaluation. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	16
49	Hydroxypropyl-β-cyclodextrin hybrid nanogels as nano-drug delivery carriers to enhance the solubility of dexibuprofen: Characterization, in vitro release, and acute oral toxicity studies. <i>Advances in Polymer Technology</i> , 2018 , 37, 2171-2185	1.9	13
48	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	2.4	12
47	Major contributions towards finding a cure for cancer through chemotherapy: a historical review. <i>Tumori</i> , 2016 , 102, 6-17	1.7	12
46	Synthesis of Cyclodextrin hydrogel nanoparticles for improving the solubility of dexibuprofen: characterization and toxicity evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 1873-1884	3.6	11
45	Novel Cyclodextrin nanosponges by chain growth condensation for solubility enhancement of dexibuprofen: Characterization and acute oral toxicity studies. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 61, 102089	4.5	11
44	Development and Evaluation of Rosuvastatin Calcium Based Microparticles for Solubility Enhancement: An In Vitro Study. <i>Advances in Polymer Technology</i> , 2017 , 36, 433-441	1.9	10
43	Polysaccharide hydrogels for controlled release of acyclovir: development, characterization and in vitro evaluation studies. <i>Polymer Bulletin</i> , 2017 , 74, 4311-4328	2.4	10
42	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	4.5	10
41	Preparation and evaluation of pharmaceutical co-crystals for solubility enhancement of atorvastatin calcium. <i>Polymer Bulletin</i> , 2020 , 77, 6191-6211	2.4	10
40	Synthesis, optimization, and evaluation of polyvinyl alcohol-based hydrogels as controlled combinatorial drug delivery system for colon cancer. <i>Advances in Polymer Technology</i> , 2018 , 37, 3348-3363	1.9	9
39	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	1.9	9

38	Formulation and in vitro evaluation of mucoadhesive controlled release matrix tablets of flurbiprofen using response surface methodology. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2014 , 50, 493-504	1.8	9
37	Functionalized pectin hydrogels by cross-linking with monomer: synthesis, characterization, drug release and pectinase degradation studies. <i>Polymer Bulletin</i> , 2020 , 77, 339-356	2.4	8
36	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	2.3	7
35	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	1.9	7
34	Evaluation of pharmaceutical industry sponsored educational events attended by physicians in Pakistan. <i>Journal of Medical Marketing</i> , 2012 , 12, 22-29		6
33	Chondroitin sulfate-based smart hydrogels for targeted delivery of oxaliplatin in colorectal cancer: preparation, characterization and toxicity evaluation. <i>Polymer Bulletin</i> , 2020 , 77, 6271-6297	2.4	6
32	Development, In Vitro and In Vivo Evaluation of pH Responsive ECD-Comethacrylic Acid-Crosslinked Polymeric Microparticulate System for Solubility Enhancement of Rosuvastatin Calcium. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1175-1187		5
31	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	4.5	5
30	Bioequivalence study of two brands of meloxicam tablets in healthy human Pakistani male subjects. <i>Acta Poloniae Pharmaceutica</i> , 2011 , 68, 115-9	1.3	5
29	Hepatoprotective studies on Haloxylon Salicornicum: a plant from Cholistan desert. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2011 , 24, 377-82	0.4	5
28	Development and Characterization of Olanzapine Loaded Poly(lactide-coglycolide) Microspheres for Depot Injection: In vitro and In vivo Release Profiles. <i>Current Drug Delivery</i> , 2019 , 16, 375-383	3.2	4
27	Development, In Vitro and In Vivo Evaluation of Hydrogel Based System of Carboxymethyl Arabinoxylan for Controlled Delivery of Rabeprazole Sodium. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1771-1783		4
26	Comparative bioavailability and pharmacokinetics of investigational enteric- and film-coated formulations of flurbiprofen 100-mg tablets: a single-dose, randomized, open-label, two-period, two-way crossover study in healthy Pakistani male volunteers. <i>Clinical Therapeutics</i> , 2010 , 32, 607-13	3.5	3
25	Designing gelatin-based swellable hydrogels system for controlled delivery of salbutamol sulphate: characterization and toxicity evaluation. <i>Polymer Bulletin</i> , 1	2.4	3
24	Comparison of bioavailability and pharmacokinetics of diclofenac sodium and diclofenac potassium in normal and alloxan-diabetic rabbits. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2012 , 25, 301-6	0.4	3
23	Pharmacokinetic studies of metformin and glibenclamide in normal human volunteers. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014 , 27, 153-9	0.4	3
22	Development and Evaluations of Aceclofenac Microcapsules for Colon-Targeted Delivery: An In Vitro Study. <i>Advances in Polymer Technology</i> , 2015 , 34, n/a-n/a	1.9	2
21	Understanding mechanical characteristics of pH-responsive PEG 4000-based polymeric network for colorectal carcinoma: its acute oral toxicity study. <i>Polymer Bulletin</i> , 2021 , 78, 5075-5101	2.4	2

20	Ecyclodextrin chitosan-based hydrogels with tunable pH-responsive properties for controlled release of acyclovir: design, characterization, safety, and pharmacokinetic evaluation. <i>Drug Delivery</i> , 2021 , 28, 1093-1108	7	2
19	Pharmacokinetic variables of medium molecular weight cross linked chitosan nanoparticles to enhance the bioavailability of 5-fluorouracil and reduce the acute oral toxicity. <i>Drug Delivery</i> , 2021 , 28, 1569-1584	7	2
18	Formulation development and in vitro evaluation of theophylline microcapsules. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2012 , 25, 15-9	0.4	2
17	Pharmacokinetic evaluation of anticancer drugs in Hodgkin's lymphoma patients after their simultaneous administration. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016 , 29, 2079-2082	0.4	2
16	Study of pharmacokinetics and comparative bioavailability of nefopam 30 mg tablets in twelve fasting healthy Pakistani male young subjects: single-dose, randomized, two-period, two-treatment and two-way cross-over design. <i>Medical Principles and Practice</i> , 2012 , 21, 271-6	2.1	1
15	Simvastatin-Nicotinamide Co-Crystals: Formation, Pharmaceutical Characterization and in vivo Profile. <i>Drug Design, Development and Therapy</i> , 2020 , 14, 4303-4313	4.4	1
14	Evaluation of Low Molecular Weight Cross Linked Chitosan Nanoparticles, to Enhance the Bioavailability of 5-Flourouracil. <i>Dose-Response</i> , 2021 , 19, 15593258211025353	2.3	1
13	Chitosan-PVA-co-poly (2-Acrylamido-2-Methylpropane Sulfonic Acid) Cross-linked Hybrid IPN-Nanogels for Transdermal Delivery of Ondansetron; Synthesis, Characterization and Toxicological Evaluation. <i>Polymer-Plastics Technology and Materials</i> , 1-22	1.5	1
12	Comparative Study of Various Polymeric Superdisintegrants on the Design and Evaluation of Novel Antihypertensive Orodispersible Tablets. <i>Advances in Polymer Technology</i> , 2016 , 35, 378-385	1.9	1
11	Preparation and in vitro evaluation of Nystatin micro emulsion based gel. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015 , 28, 1587-93	0.4	1
10	Development and evaluation of eudragit based microparticles of dexibuprofen for site specific drug release. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018 , 31, 1385-1392	0.4	1
9	Evaluation of anticonvulsant and antiepileptogenic activity of Euphorbia nivulia in PTZ-induced kindling model of epilepsy in mice. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019 , 32, 675-681	0.4	1
8	Cross-linked pH-sensitive pectin and acrylic acid based hydrogels for controlled delivery of metformin. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020 , 33, 1483-1491	0.4	1
7	Illicit sale of controlled drugs at community pharmacy/medical stores of Punjab, Pakistan: A road to demolition of public health. <i>Heliyon</i> , 2021 , 7, e07031	3.6	0
6	Prescribers perspectives of the socioeconomic status and important indicators affecting prescribing behavior in a developing country. <i>Open Medicine (Poland)</i> , 2012 , 7, 129-136	2.2	
5	Comparison of bioavailability and pharmacokinetics of diclofenac sodium and diclofenac potassium in normal and dehydrated rabbits. <i>Yaoxue Xuebao</i> , 2009 , 44, 80-4		
4	Pharmacokinetic modelling of microencapsulated metronidazole. <i>Yaoxue Xuebao</i> , 2009 , 44, 674-9		
3	A novel granulation non-solvent addition method containing hydrophilic and lipophilic drugs. <i>Acta Poloniae Pharmaceutica</i> , 2012 , 69, 285-90	1.3	

- 2 Single dose pharmacokinetics of atorvastatin oral formulations using a simple HPLC-UV method. *Pakistan Journal of Pharmaceutical Sciences*, **2016**, 29, 1151-4 0.4
- 1 High molecular weight cross linked chitosan nanoparticles for controlled release of 5-Fluorouracil; Enhances its bioavailability. *Pakistan Journal of Pharmaceutical Sciences*, **2019**, 32, 1137-1143 0.4