

Pradeep Kumar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240
papers

4,517
citations

33
h-index

58
g-index

248
ext. papers

5,526
ext. citations

4.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
240	A Review of the Effect of Processing Variables on the Fabrication of Electrospun Nanofibers for Drug Delivery Applications. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-22	3.2	373
239	A review of the chemical modification techniques of starch. <i>Carbohydrate Polymers</i> , 2017 , 157, 1226-1236	6.3	229
238	Current advances in the fabrication of microneedles for transdermal delivery. <i>Journal of Controlled Release</i> , 2014 , 185, 130-8	11.7	218
237	A review of advanced oral drug delivery technologies facilitating the protection and absorption of protein and peptide molecules. <i>Biotechnology Advances</i> , 2014 , 32, 1269-1282	17.8	193
236	A comprehensive review of advanced biopolymeric wound healing systems. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2211-30	3.9	155
235	A Review of Injectable Polymeric Hydrogel Systems for Application in Bone Tissue Engineering. <i>Molecules</i> , 2016 , 21,	4.8	119
234	A review of the advancements in probiotic delivery: Conventional vs. non-conventional formulations for intestinal flora supplementation. <i>AAPS PharmSciTech</i> , 2014 , 15, 29-43	3.9	111
233	Nutraceutical-based therapeutics and formulation strategies augmenting their efficiency to complement modern medicine: An overview. <i>Journal of Functional Foods</i> , 2014 , 6, 82-99	5.1	110
232	Parameters and characteristics governing cellular internalization and trans-barrier trafficking of nanostructures. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2191-206	7.3	103
231	A review of integrating electroactive polymers as responsive systems for specialized drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2039-54	5.4	78
230	3D-printing and the effect on medical costs: a new era?. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2016 , 16, 23-32	2.2	76
229	A composite chitosan-gelatin bi-layered, biomimetic macroporous scaffold for blood vessel tissue engineering. <i>Carbohydrate Polymers</i> , 2017 , 157, 1215-1225	10.3	68
228	Functionalizing bioinks for 3D bioprinting applications. <i>Drug Discovery Today</i> , 2019 , 24, 198-205	8.8	64
227	Linear polyethylenimine-graft-chitosan copolymers as efficient DNA/siRNA delivery vectors in vitro and in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 337-45	6	60
226	A Polyvinyl Alcohol-Polyaniline Based Electro-Conductive Hydrogel for Controlled Stimuli-Actuable Release of Indomethacin. <i>Polymers</i> , 2011 , 3, 150-172	4.5	57
225	Ionic Liquids as Potential and Synergistic Permeation Enhancers for Transdermal Drug Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	56
224	An interfacially plasticized electro-responsive hydrogel for transdermal electro-activated and modulated (TEAM) drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 462, 52-65	6.5	48

223	Assessing the potential of liposomes loaded with curcumin as a therapeutic intervention in asthma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 51-59	6	47
222	Polymeric emulsion and crosslink-mediated synthesis of super-stable nanoparticles as sustained-release anti-tuberculosis drug carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 87, 243-54	6	45
221	A Review: Overview of Novel Polyelectrolyte Complexes as Prospective Drug Bioavailability Enhancers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 955-968	3	44
220	Crosslinked electrospun PVA nanofibrous membranes: elucidation of their physicochemical, physicomachanical and molecular disposition. <i>Biofabrication</i> , 2012 , 4, 025002	10.5	43
219	In silico theoretical molecular modeling for Alzheimer's disease: the nicotine-curcumin paradigm in neuroprotection and neurotherapy. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 694-724	6.3	43
218	Self-assembling peptides: implications for patenting in drug delivery and tissue engineering. <i>Recent Patents on Drug Delivery and Formulation</i> , 2011 , 5, 24-51	1.4	41
217	Novel high-viscosity polyacrylamidated chitosan for neural tissue engineering: fabrication of anisotropic neurodurable scaffold via molecular disposition of persulfate-mediated polymer slicing and complexation. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 13966-84	6.3	41
216	Carbon Nanotubes: Synthesis, Properties and Pharmaceutical Applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009 , 17, 361-377	1.8	39
215	A review of polymeric refabrication techniques to modify polymer properties for biomedical and drug delivery applications. <i>AAPS PharmSciTech</i> , 2013 , 14, 692-711	3.9	38
214	Integration of biosensors and drug delivery technologies for early detection and chronic management of illness. <i>Sensors</i> , 2013 , 13, 7680-713	3.8	38
213	3D scaffolds for brain tissue regeneration: architectural challenges. <i>Biomaterials Science</i> , 2018 , 6, 2812-2827	3.7	38
212	Oral drug delivery systems comprising altered geometric configurations for controlled drug delivery. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 18-43	6.3	37
211	Ligand-functionalized nanoliposomes for targeted delivery of galantamine. <i>International Journal of Pharmaceutics</i> , 2013 , 448, 267-81	6.5	36
210	A review of bioactive release from nerve conduits as a neurotherapeutic strategy for neuronal growth in peripheral nerve injury. <i>BioMed Research International</i> , 2014 , 2014, 132350	3	36
209	A Mucoadhesive Electrospun Nanofibrous Matrix for Rapid Oramucosal Drug Delivery. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-19	3.2	34
208	Overview of the role of nanotechnological innovations in the detection and treatment of solid tumors. <i>International Journal of Nanomedicine</i> , 2014 , 9, 589-613	7.3	33
207	Multi-target therapeutics for neuropsychiatric and neurodegenerative disorders. <i>Drug Discovery Today</i> , 2016 , 21, 1886-1914	8.8	32
206	3D printed, controlled release, tritherapeutic tablet matrix for advanced anti-HIV-1 drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 138, 99-110	5.7	30

205	AN in vitro evaluation of a carmustine-loaded Nano-co-Plex for potential magnetic-targeted intranasal delivery to the brain. <i>International Journal of Pharmaceutics</i> , 2016 , 500, 196-209	6.5	29
204	Design of a Versatile pH-Responsive Hydrogel for Potential Oral Delivery of Gastric-Sensitive Bioactives. <i>Polymers</i> , 2017 , 9,	4.5	29
203	Development of a fluid-absorptive alginate-chitosan bioplatfrom for potential application as a wound dressing. <i>Carbohydrate Polymers</i> , 2019 , 222, 114988	10.3	28
202	A novel pH-sensitive interferon- γ oral delivery system for application in multiple sclerosis. <i>International Journal of Pharmaceutics</i> , 2013 , 456, 459-72	6.5	27
201	A 3D bioprinted in situ conjugated-co-fabricated scaffold for potential bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1311-1321	5.4	26
200	Improved metabolic stability and therapeutic efficacy of a novel molecular gemcitabine phospholipid complex. <i>International Journal of Pharmaceutics</i> , 2017 , 530, 113-127	6.5	26
199	Three-dimensional printing of extracellular matrix (ECM)-mimicking scaffolds: A critical review of the current ECM materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 2324-2350	5.4	25
198	Stimuli-Responsive Polymeric Systems for Controlled Protein and Peptide Delivery: Future Implications for Ocular Delivery. <i>Molecules</i> , 2016 , 21,	4.8	25
197	A composite polyelectrolytic matrix for controlled oral drug delivery. <i>AAPS PharmSciTech</i> , 2011 , 12, 227-38	3.9	24
196	Formulation and characterization of tramadol-loaded IPN microgels of alginate and gelatin: Optimization using response surface methodology. <i>Acta Pharmaceutica</i> , 2010 , 60, 295-310	3.2	24
195	Improved oral bioavailability and therapeutic efficacy of erlotinib through molecular complexation with phospholipid. <i>International Journal of Pharmaceutics</i> , 2017 , 534, 1-13	6.5	23
194	Optimization of a dual mechanism gastrofloatable and gastroadhesive delivery system for narrow absorption window drugs. <i>AAPS PharmSciTech</i> , 2012 , 13, 1-15	3.9	23
193	A review of polymeric colloidal nanogels in transdermal drug delivery. <i>Current Pharmaceutical Design</i> , 2015 , 21, 2801-13	3.3	22
192	Celastrol-loaded liquid crystalline nanoparticles as an anti-inflammatory intervention for the treatment of asthma. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021 , 70, 754-763	3	22
191	Microwave-assisted facile synthesis of a new tri-block chitosan conjugate with improved mucoadhesion. <i>Carbohydrate Polymers</i> , 2015 , 130, 213-21	10.3	21
190	A review of semi-synthetic biopolymer complexes: modified polysaccharide nano-carriers for enhancement of oral drug bioavailability. <i>Pharmaceutical Development and Technology</i> , 2017 , 22, 283-293	3.4	21
189	In vivo evaluation of a conjugated poly(lactide-ethylene glycol) nanoparticle depot formulation for prolonged insulin delivery in the diabetic rabbit model. <i>International Journal of Nanomedicine</i> , 2013 , 8, 505-20	7.3	20
188	Hybrid Thermo-Responsive Polymer Systems and Their Biomedical Applications. <i>Frontiers in Materials</i> , 2020 , 7,	4	20

187	Development of respirable rifampicin-loaded nano-lipomer composites by microemulsion-spray drying for pulmonary delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 41, 13-19	4.5	19
186	A review of the potential role of nano-enabled drug delivery technologies in amyotrophic lateral sclerosis: lessons learned from other neurodegenerative disorders. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 1213-29	3.9	19
185	Therapeutic applications and pharmacoeconomics of microneedle technology. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2018 , 18, 359-369	2.2	18
184	A review of topically administered mini-tablets for drug delivery to the anterior segment of the eye. <i>Journal of Pharmacy and Pharmacology</i> , 2014 , 66, 490-506	4.8	18
183	A Hybrid Methacrylate-Sodium Carboxymethylcellulose Interpolyelectrolyte Complex: Rheometry and Disposition for Controlled Drug Release. <i>Materials</i> , 2013 , 6, 4284-4308	3.5	18
182	Thiolation of Biopolymers for Developing Drug Delivery Systems with Enhanced Mechanical and Mucoadhesive Properties: A Review. <i>Polymers</i> , 2020 , 12,	4.5	18
181	Diagnosis and Treatment of Neurological and Ischemic Disorders Employing Carbon Nanotube Technology. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-19	3.2	18
180	An optimized gastroretentive nanosystem for the delivery of levodopa. <i>International Journal of Pharmaceutics</i> , 2015 , 494, 49-65	6.5	17
179	Preparation, characterization and in-vitro efficacy of quercetin loaded liquid crystalline nanoparticles for the treatment of asthma. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101297	4.5	17
178	Design and characterization of neurodurable gellan-xanthan pH-responsive hydrogels for controlled drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 291-306	8	16
177	Targeted nanotechnologies for cancer intervention: a patent review (2010-2016). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1005-1019	6.8	16
176	Alternative fluorophores designed for advanced molecular imaging. <i>Drug Discovery Today</i> , 2018 , 23, 1158-1163	13	16
175	Development and Mechanistic Insight into the Enhanced Cytotoxic Potential of Parvifloron D Albumin Nanoparticles in EGFR-Overexpressing Pancreatic Cancer Cells. <i>Cancers</i> , 2019 , 11,	6.6	16
174	In vitro, in vivo, and in silico evaluation of the bioresponsive behavior of an intelligent intraocular implant. <i>Pharmaceutical Research</i> , 2014 , 31, 607-34	4.5	16
173	Monolayered multipolymeric buccal films with drug and polymers of opposing solubilities for ARV therapy: physico-mechanical evaluation and molecular mechanics modelling. <i>International Journal of Pharmaceutics</i> , 2013 , 455, 197-212	6.5	16
172	Flavonoids and polymer derivatives as CYP3A4 inhibitors for improved oral drug bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 541-55	3.9	16
171	A menthol-based solid dispersion technique for enhanced solubility and dissolution of sulfamethoxazole from an oral tablet matrix. <i>AAPS PharmSciTech</i> , 2015 , 16, 771-86	3.9	16
170	Surface-engineered nanoliposomes by chelating ligands for modulating the neurotoxicity associated with β -amyloid aggregates of Alzheimer's disease. <i>Pharmaceutical Research</i> , 2012 , 29, 3075-89	4.5	16

169	Fabrication, modeling and characterization of multi-crosslinked methacrylate copolymeric nanoparticles for oral drug delivery. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 6194-225	6.3	16
168	Multifunctional therapeutic delivery strategies for effective neuro-regeneration following traumatic spinal cord injury. <i>Current Pharmaceutical Design</i> , 2015 , 21, 1517-28	3.3	16
167	Dexamethasone-Loaded, PEGylated, Vertically Aligned, Multiwalled Carbon Nanotubes for Potential Ischemic Stroke Intervention. <i>Molecules</i> , 2018 , 23,	4.8	15
166	Synthesis of a semi-interpenetrating polymer network as a bioactive curcumin film. <i>AAPS PharmSciTech</i> , 2014 , 15, 1476-89	3.9	15
165	Design of an anti-inflammatory composite nanosystem and evaluation of its potential for ocular drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2780-805	3.9	15
164	Recent advances in the design of drug-loaded polymeric implants for the treatment of solid tumors. <i>Expert Opinion on Drug Delivery</i> , 2011 , 8, 1323-40	8	15
163	Development of a Gastric Absorptive, Immediate Responsive, Oral Protein-Loaded Versatile Polymeric Delivery System. <i>AAPS PharmSciTech</i> , 2017 , 18, 2479-2493	3.9	14
162	In situ thermo-co-electroresponsive mucogel for controlled release of bioactive agent. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 255-270	6.5	14
161	A novel multi-tiered experimental approach unfolding the mechanisms behind cyclodextrin-vitamin inclusion complexes for enhanced vitamin solubility and stability. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 90-104	6.5	14
160	Synthesis of novel amphiphilic poly(N-isopropylacrylamide)-b-poly(aspartic acid) nanomicelles for potential targeted chemotherapy in ovarian cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 308-323	4.5	13
159	A Review of Nanotechnology for Targeted Anti-schistosomal Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 32	5.8	13
158	Design of an interpolyelectrolyte gastroretentive matrix for the site-specific zero-order delivery of levodopa in Parkinson's disease. <i>AAPS PharmSciTech</i> , 2013 , 14, 605-19	3.9	13
157	Orally Administered Therapeutic Peptide Delivery: Enhanced Absorption Through the Small Intestine Using Permeation Enhancers. <i>International Journal of Peptide Research and Therapeutics</i> , 2012 , 18, 259-280	2.1	13
156	Prolonged delivery of ciprofloxacin and diclofenac sodium from a polymeric fibre device for the treatment of periodontal disease. <i>BioMed Research International</i> , 2013 , 2013, 460936	3	13
155	Rutin loaded liquid crystalline nanoparticles inhibit non-small cell lung cancer proliferation and migration in vitro. <i>Life Sciences</i> , 2021 , 276, 119436	6.8	13
154	A dual pH/Redox responsive copper-ligand nanoliposome bioactive complex for the treatment of chronic inflammation. <i>International Journal of Pharmaceutics</i> , 2016 , 509, 348-359	6.5	13
153	In silico analytico-mathematical interpretation of biopolymeric assemblies: Quantification of energy surfaces and molecular attributes via atomistic simulations. <i>Bioengineering and Translational Medicine</i> , 2018 , 3, 222-231	14.8	13
152	Development of an injectable pseudo-bone thermo-gel for application in small bone fractures. <i>International Journal of Pharmaceutics</i> , 2017 , 520, 39-48	6.5	12

151	Proteosaccharide combinations for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2020 , 235, 115932	10.3	12
150	Nanoparticulate strategies for the five R _S of traumatic spinal cord injury intervention: restriction, repair, regeneration, restoration and reorganization. <i>Nanomedicine</i> , 2014 , 9, 331-48	5.6	12
149	In silico affinity profiling of neuroactive polyphenols for post-traumatic calpain inactivation: a molecular docking and atomistic simulation sensitivity analysis. <i>Molecules</i> , 2014 , 20, 135-68	4.8	12
148	A Co-blended Locust Bean Gum and Polymethacrylate-NaCMC Matrix to Achieve Zero-Order Release via Hydro-Erosive Modulation. <i>AAPS PharmSciTech</i> , 2015 , 16, 1377-89	3.9	11
147	Enhancement of the biomineralization and cellular adhesivity of polycaprolactone-based hollow porous microspheres via dopamine bio-activation for tissue engineering applications. <i>Materials Letters</i> , 2015 , 161, 503-507	3.3	11
146	Development of a Novel Polymeric Nanocomposite Complex for Drugs with Low Bioavailability. <i>AAPS PharmSciTech</i> , 2018 , 19, 303-314	3.9	11
145	A review of formulation techniques that impact the disintegration and mechanical properties of oradispersible drug delivery technologies. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 354-66	3.4	11
144	In vivo evaluation and in-depth pharmaceutical characterization of a rapidly dissolving solid ocular matrix for the topical delivery of timolol maleate in the rabbit eye model. <i>International Journal of Pharmaceutics</i> , 2014 , 466, 296-306	6.5	11
143	Bioplatfrom Fabrication Approaches Affecting Chitosan-Based Interpolymer Complex Properties and Performance as Wound Dressings. <i>Molecules</i> , 2020 , 25,	4.8	11
142	Ca ₃ (PO ₄) ₂ precipitated layering of an in situ hybridized PVA/Ca ₂ O ₄ Si nanofibrous antibacterial wound dressing. <i>International Journal of Pharmaceutics</i> , 2016 , 507, 41-9	6.5	11
141	Functionalized, Vertically Super-Aligned Multiwalled Carbon Nanotubes for Potential Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
140	A Novel Melt-Dispersion Technique for Simplistic Preparation of Chlorpromazine-Loaded Polycaprolactone Nanocapsules. <i>Polymers</i> , 2015 , 7, 1145-1176	4.5	10
139	A gastro-resistant ovalbumin bi-layered mini-tablet-in-tablet system for the delivery of Lactobacillus acidophilus probiotic to simulated human intestinal and colon conditions. <i>Journal of Pharmacy and Pharmacology</i> , 2015 , 67, 939-50	4.8	10
138	Blood biomarkers for the diagnosis and differentiation of stroke: A systematic review and meta-analysis. <i>International Journal of Stroke</i> , 2020 , 15, 704-721	6.3	10
137	Stimuli-responsive polymers as smart drug delivery systems: Classifications based on carrier type and triggered-release mechanism 2018 , 43-58		10
136	A bio-injectable algin-aminocaproic acid thixogel with tri-stimuli responsiveness. <i>Carbohydrate Polymers</i> , 2016 , 135, 324-33	10.3	9
135	Implantable and transdermal polymeric drug delivery technologies for the treatment of central nervous system disorders. <i>Pharmaceutical Development and Technology</i> , 2017 , 22, 476-486	3.4	9
134	In Vivo Evaluation of a PEO-Gellan Gum Semi-Interpenetrating Polymer Network for the Oral Delivery of Sulpiride. <i>AAPS PharmSciTech</i> , 2017 , 18, 654-670	3.9	9

133	Liposome-embedded, polymeric scaffold for extended delivery of galantamine. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 50, 255-265	4.5	9
132	Co-aerosolized Pulmonary Surfactant and Ambroxol for COVID-19 ARDS Intervention: What Are We Waiting for?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 577172	5.8	9
131	Polymeric, injectable, intravitreal hydrogel devices for posterior segment applications and interventions. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1074-1081	6.1	9
130	Time-Domain Analysis of Molecular Dynamics Trajectories Using Deep Neural Networks: Application to Activity Ranking of Tankyrase Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 3519-3532	6.1	9
129	Modulation of the nano-tensile mechanical properties of co-blended amphiphilic alginate fibers as oradurable biomaterials for specialized biomedical application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013 , 23, 80-102	4.1	9
128	Biopolymeric, Nanopatterned, Fibrous Carriers for Wound Healing Applications. <i>Current Pharmaceutical Design</i> , 2020 , 26, 4894-4908	3.3	9
127	Discovery of Novel Tankyrase Inhibitors through Molecular Docking-Based Virtual Screening and Molecular Dynamics Simulation Studies. <i>Molecules</i> , 2020 , 25,	4.8	9
126	The Influence of Lyophilized EmuGel Silica Microspheres on the Physicomechanical Properties, In Vitro Bioactivity and Biodegradation of a Novel Ciprofloxacin-Loaded PCL/PAA Scaffold. <i>Polymers</i> , 2016 , 8,	4.5	9
125	Artificial, Triple-Layered, Nanomembranous Wound Patch for Potential Diabetic Foot Ulcer Intervention. <i>Materials</i> , 2018 , 11,	3.5	9
124	Nanocomposites for therapeutic application in multiple sclerosis 2018 , 391-408		9
123	Folate-induced nanostructural changes of oligochitosan nanoparticles and their fate of cellular internalization by melanoma. <i>Carbohydrate Polymers</i> , 2020 , 244, 116488	10.3	8
122	How Can Biomolecules Improve Mucoadhesion of Oral Insulin? A Comprehensive Insight using , , and Models. <i>Biomolecules</i> , 2020 , 10,	5.9	8
121	Poly(ethylene glycol) enclatherated pectin-mucin submicron matrices for intravaginal anti-HIV-1 drug delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 503, 16-28	6.5	8
120	Improved antioxidant, antimicrobial and anticancer activity of naringenin on conjugation with pectin. <i>3 Biotech</i> , 2019 , 9, 312	2.8	8
119	A prospective overview of the essential requirements in molecular modeling for nanomedicine design. <i>Future Medicinal Chemistry</i> , 2013 , 5, 929-46	4.1	8
118	Design of chitospheres loaded with pristine polymer particles for extended drug delivery via polyelectrolyte complexation and particulate leaching. <i>International Journal of Pharmaceutics</i> , 2015 , 479, 189-206	6.5	8
117	Functionalized Nanocarriers for Enhanced Bioactive Delivery to Squamous Cell Carcinomas: Targeting Approaches and Related Biopharmaceutical Aspects. <i>Current Pharmaceutical Design</i> , 2015 , 21, 3167-80	3.3	8
116	Rifampicin-Loaded Alginate-Gelatin Fibers Incorporated within Transdermal Films as a System for Wound Healing Applications. <i>Membranes</i> , 2020 , 11,	3.8	8

115	Lipid-drug conjugates and associated carrier strategies for enhanced antiretroviral drug delivery. <i>Pharmaceutical Development and Technology</i> , 2020 , 25, 267-280	3.4	8
114	Polymeric networks for controlled release of drugs: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2016 , 26, 703-17	6.8	8
113	Synthesis and in vitro characterization of a pH-responsive chitosan- polyethylenimine nanosystem for the delivery of therapeutic proteins. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 266-275	4.5	7
112	The Chemo-Biological Outreach of Nano-Biomaterials: Implications for Tissue Engineering and Regenerative Medicine. <i>Current Pharmaceutical Design</i> , 2017 , 23, 3538-3549	3.3	7
111	3D Printed, PVA/PAA Hydrogel Loaded-Polycaprolactone Scaffold for the Delivery of Hydrophilic In-Situ Formed Sodium Indomethacin. <i>Materials</i> , 2018 , 11,	3.5	7
110	In vivo evaluation of the release of zidovudine and polystyrene sulfonate from a dual intravaginal bioadhesive polymeric device in the pig model. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 1416-35	3.9	7
109	Disulphide-thiol chemistry: a multi-faceted tool for macromolecular design and synthesis of polyfunctional materials for specialized drug delivery. <i>Current Drug Delivery</i> , 2015 , 12, 282-98	3.2	7
108	Curcumin-loaded, alginate-gelatin composite fibers for wound healing applications. <i>3 Biotech</i> , 2020 , 10, 464	2.8	7
107	Pectin/curcumin composite: synthesis, molecular modeling and cytotoxicity. <i>Polymer Bulletin</i> , 2019 , 76, 3153-3173	2.4	7
106	Recent progress in 3D-printed polymeric scaffolds for bone tissue engineering 2020 , 59-81		7
105	Functionalization of chitosan/methylcellulose interpenetrating polymer network microspheres for gastroretentive application using central composite design. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2010 , 64, 497-506	0.6	7
104	A novel pH-responsive interpolyelectrolyte hydrogel complex for the oral delivery of levodopa. Part I. IPEC modeling and synthesis. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1077-84	5.4	6
103	Hypothesis: apo-lactoferrin-Galantamine Proteo-alkaloid Conjugate for Alzheimer's disease Intervention. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 1957-1963	5.6	6
102	In Vitro, Ex Vivo, and In Vivo Evaluation of a Dual pH/Redox Responsive Nanoliposomal Sludge for Transdermal Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1028-1036	3.9	6
101	Design of an Inflammation-Sensitive Polyelectrolyte-Based Topical Drug Delivery System for Arthritis. <i>AAPS PharmSciTech</i> , 2016 , 17, 1075-85	3.9	6
100	Qualitative and quantitative intravaginal targeting: key to anti-HIV-1 microbicide delivery from test tube to in vivo success. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 1950-68	3.9	6
99	Exploration of the biomacromolecular interactions of an interpenetrating proteo-saccharide hydrogel network at the mucosal interface. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 3616-29	5.4	6
98	Design and characterisation of PHBV-magnesium oleate directional nanofibers for neurosupport. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 065015	3.5	6

97	Further Evidence of Possible Therapeutic Uses of L. Extracts by the Assessment of the In Vitro and In Vivo Anti-Inflammatory Properties of Its PLGA and PCL-Based Nanoformulations. <i>Pharmaceutics</i> , 2020 , 12,	6.4	6
96	A humic acid-polyquaternium-10 stoichiometric self-assembled fibrilla polyelectrolyte complex: Effect of pH on synthesis, characterization, and drug release. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 550-560	3	6
95	A Comprehensive Review on Fused Heterocyclic as DNA Intercalators: Promising Anticancer Agents. <i>Current Pharmaceutical Design</i> , 2021 , 27, 15-42	3.3	6
94	Immunomodulatory potential of polysaccharides derived from plants and microbes: A narrative review. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021 , 2, 100044	1.7	6
93	In Vitro and In Vivo Evaluation of a Hydrogel-Based Microneedle Device for Transdermal Electro-Modulated Analgesia. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 1111-1116	3.9	5
92	Cellular internalisation kinetics and cytotoxic properties of statistically designed and optimised neo-geometric copper nanocrystals. <i>Materials Science and Engineering C</i> , 2017 , 78, 376-388	8.3	5
91	In Vivo evaluation of an Ultra-fast Disintegrating Wafer matrix: A molecular simulation approach to the ora-mucoadhesivity. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 37, 123-133	4.5	5
90	Folate-decorated, endostatin-loaded, nanoparticles for anti-proliferative chemotherapy in esophageal squamous cell carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 119, 109450	7.5	5
89	In vitro pharmaceutical characterization and statistical optimization of a novel topically applied instantly-soluble solid eye drop matrix. <i>Pharmaceutical Development and Technology</i> , 2015 , 20, 854-862	3.4	5
88	Ex vivo evaluation of a microneedle array device for transdermal application. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 351-9	6.5	5
87	Intestinal Targeting of Ganciclovir Release Employing a Novel HEC-PAA Blended Lyomatrix. <i>AAPS PharmSciTech</i> , 2016 , 17, 1120-30	3.9	5
86	Patient-controlled analgesia: therapeutic interventions using transdermal electro-activated and electro-modulated drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 353-66	3.9	5
85	A novel stimuli-synchronized alloy-treated matrix for space-defined gastrointestinal delivery of mesalamine in the Large White pig model. <i>Journal of Controlled Release</i> , 2013 , 166, 234-45	11.7	5
84	Outlook on the Application of Metal-Liganded Bioactives for Stimuli-Responsive Release. <i>Molecules</i> , 2017 , 22,	4.8	5
83	Synthesis and Evaluation of a Sodium Alginate-4-Aminosalicylic Acid Based Microporous Hydrogel for Potential Viscosupplementation for Joint Injuries and Arthritis-Induced Conditions. <i>Marine Drugs</i> , 2017 , 15,	6	5
82	Design and Characterization of Endostatin-Loaded Nanoparticles for In Vitro Antiangiogenesis in Squamous Cell Carcinoma. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-17	3.2	5
81	A novel multilayered multidisk oral tablet for chronotherapeutic drug delivery. <i>BioMed Research International</i> , 2013 , 2013, 569470	3	5
80	Curcumin-loaded niosomes downregulate mRNA expression of pro-inflammatory markers involved in asthma: an study. <i>Nanomedicine</i> , 2020 , 15, 2955-2970	5.6	5

79	Theranostic Mesoporous Silica Nanoparticles Loaded With a Curcumin-Naphthoquinone Conjugate for Potential Cancer Intervention. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 670792	5.6	5
78	Three-Dimensional Printability of an ECM-Based Gelatin Methacryloyl (GelMA) Biomaterial for Potential Neuroregeneration. <i>ACS Omega</i> , 2021 , 6, 21368-21383	3.9	5
77	A Dual-Biotic System for the Concurrent Delivery of Antibiotics and Probiotics: In Vitro, Ex Vivo, In Vivo and In Silico Evaluation and Correlation. <i>Pharmaceutical Research</i> , 2016 , 33, 3057-3071	4.5	5
76	Chemotherapeutic Efficacy of Implantable Antineoplastic-Treatment Protocols in an Optimal Mouse Model for Human Ovarian Carcinoma Cell Targeting. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
75	Berberine-loaded liquid crystalline nanoparticles inhibit non-small cell lung cancer proliferation and migration in vitro.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	5
74	An electro-conductive fluid as a responsive implant for the controlled stimuli-release of diclofenac sodium. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 875-886	3.4	4
73	Lipopolysaccharide Polyelectrolyte Complex for Oral Delivery of an Anti-tubercular Drug. <i>AAPS PharmSciTech</i> , 2019 , 20, 107	3.9	4
72	In vitro, ex vivo and in silico mechanistic elucidation of the performance of an optimized porosity-controlled multi-elemental transbuccal system. <i>Pharmaceutical Research</i> , 2015 , 32, 2384-409	4.5	4
71	An epichlorohydrin-crosslinked semi-interpenetrating GG-PEO network as a xerogel matrix for sustained release of sulpiride. <i>AAPS PharmSciTech</i> , 2014 , 15, 1292-306	3.9	4
70	Optimization of a polymer composite employing molecular mechanic simulations and artificial neural networks for a novel intravaginal bioadhesive drug delivery device. <i>Pharmaceutical Development and Technology</i> , 2012 , 17, 407-20	3.4	4
69	Synthesis and Properties of CurNQ for the Theranostic Application in Ovarian Cancer Intervention. <i>Molecules</i> , 2020 , 25,	4.8	4
68	Repositioning -Acetylcysteine (NAC): NAC-Loaded Electrospun Drug Delivery Scaffolding for Potential Neural Tissue Engineering Application. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
67	This Review Recent Advances in Chitosan and Alginate-Based Hydrogels for Wound Healing Application. <i>Frontiers in Materials</i> , 2021 , 8,	4	4
66	In Vitro and In Silico Analyses of Nicotine Release from a Gelisphere-Loaded Compressed Polymeric Matrix for Potential Parkinson'S Disease Interventions. <i>Pharmaceutics</i> , 2018 , 10,	6.4	4
65	Synthesis, Characterisation and In Vitro Permeation, Dissolution and Cytotoxic Evaluation of Ruthenium(II)-Liganded Sulpiride and Amino Alcohol. <i>Scientific Reports</i> , 2019 , 9, 4146	4.9	3
64	Evaluation of the impacts of formulation variables and excipients on the drug release dynamics of a polyamide 6,10-based monolithic matrix using mathematical tools. <i>AAPS PharmSciTech</i> , 2013 , 14, 1349-59	3.9	3
63	A Newfangled Collagenase Inhibitor Topical Formulation Based on Ethosomes with L. Extract. <i>Pharmaceutics</i> , 2021 , 14,	5.2	3
62	Development and Evaluation of Rifampicin Loaded Alginate-Gelatin Biocomposite Microfibers. <i>Polymers</i> , 2021 , 13,	4.5	3

61	Electroactive Polymers and Coatings 2016 , 51-89		3
60	Ionic liquid-based transdermal delivery of propranolol: a patent evaluation of US2018/0169033A1. <i>Pharmaceutical Patent Analyst</i> , 2019 , 8, 203-209	0.6	3
59	Enhanced biological activity of polyphenols on conjugation with gellan gum. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021 , 70, 712-729	3	3
58	Ellagic acid-loaded, tween 80-coated, chitosan nanoparticles as a promising therapeutic approach against breast cancer: In-vitro and in-vivo study. <i>Life Sciences</i> , 2021 , 284, 119927	6.8	3
57	Functionalized Nanolipobubbles Embedded Within a Nanocomposite Hydrogel: a Molecular Bio-imaging and Biomechanical Analysis of the System. <i>AAPS PharmSciTech</i> , 2017 , 18, 671-685	3.9	2
56	Enhancement of the Oral Bioavailability of Felodipine Employing 8-Arm-Poly(Ethylene Glycol): In Vivo, In Vitro and In Silico Evaluation. <i>AAPS PharmSciTech</i> , 2017 , 18, 617-628	3.9	2
55	Design, characterization and optimization of lamivudine-loaded amphiphilic HA-g-ECL nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 75-87	4.5	2
54	Antineoplastic nano-lipobubbles for passively targeted ovarian cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 160-168	6	2
53	A novel pH-responsive interpolyelectrolyte hydrogel complex for the oral delivery of levodopa. Part II: characterization and formulation of an IPEC-based tablet matrix. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 1085-94	5.4	2
52	Potential nanotechnologies and molecular targets in the quest for efficient chemotherapy in ovarian cancer. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 613-34	8	2
51	In Vitro-In Vivo Evaluation of an Oral Ghost Drug Delivery Device for the Delivery of Salmon Calcitonin. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1605-1614	3.9	2
50	Advances in patented interpenetrating polymeric networks for biomedical applications. <i>Pharmaceutical Patent Analyst</i> , 2018 , 7, 99-101	0.6	2
49	Design and evaluation of an oral multiparticulate system for dual delivery of amoxicillin and Lactobacillus acidophilus. <i>Future Microbiology</i> , 2016 , 11, 1133-45	2.9	2
48	Design of an In Situ Cross-Linked Eutectic Tablet for Enhanced Delivery of Gastro-Sensitive Proteins and Peptides. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2086-98	3.9	2
47	Nanotechnology and Glycosaminoglycans: Paving the Way Forward for Ovarian Cancer Intervention. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	2
46	Development and validation of dot-ELISA on modified cellulose filter paper: a simplified novel approach. <i>Analytical Methods</i> , 2014 , 6, 7374-7383	3.2	2
45	Submicron Matrices Embedded in a Polymeric Caplet for Extended Intravaginal Delivery of Zidovudine. <i>AAPS Journal</i> , 2017 , 19, 1745-1759	3.7	2
44	In vivo evaluation of a mucoadhesive polymeric caplet for intravaginal anti-HIV-1 delivery and development of a molecular mechanistic model for thermochemical characterization. <i>Drug Development and Industrial Pharmacy</i> , 2015 , 41, 1274-87	3.6	2

43	In silico elucidation of the inclusion phenomenon and permeation behavior of a zidovudineβcyclodextrin complex via static lattice atomistic simulation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014 , 78, 445-455	1.7	2
42	A novel gastric release PEG-enclatherated polymethacrylate-based memplet system. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 4327-4338	2.9	2
41	Evaluation of Composition Effects on the Physicochemical and Biological Properties of Polypeptide-Based Hydrogels for Potential Application in Wound Healing. <i>Polymers</i> , 2021 , 13,	4.5	2
40	Synthesis and Characterization of Thiolated Gum Ghatti as a Novel Excipient: Development of Compression-Coated Mucoadhesive Tablets of Domperidone. <i>ACS Omega</i> , 2021 , 6, 15844-15854	3.9	2
39	"On-The-Spot" Arresting of Chondroitin Sulphate Proteoglycans: Implications for Ovarian Adenocarcinoma Recognition and Intervention. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	2
38	Fouling in ocular devices: implications for drug delivery, bioactive surface immobilization, and biomaterial design. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 1903-1923	6.2	2
37	Site-specific delivery of polymeric encapsulated microorganisms: a patent evaluation of US20170165201A1. <i>Expert Opinion on Therapeutic Patents</i> , 2018 , 28, 703-708	6.8	2
36	Recent Developments in Methicillin-Resistant Staphylococcus aureus (MRSA) Treatment: A Review. <i>Antibiotics</i> , 2022 , 11, 606	4.9	2
35	Synthesis, Comparison, and Optimization of a Humic Acid-Quat10 Polyelectrolyte Complex by Complexation-Precipitation versus Extrusion-Spheronization. <i>AAPS PharmSciTech</i> , 2017 , 18, 3116-3128	3.9	1
34	Preprocessing of Medical Image Data for Three-Dimensional Bioprinted Customized-Neural-Scaffolds. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 401-410	2.9	1
33	Current and Combinative Curcumin Therapeutics for Treating Spinal Cord Injury 2019 , 419-435		1
32	In silico mechanistic disposition and in vivo evaluation of zero-order drug release from a novel triple-layered tablet matrix. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 693-713	8	1
31	Nanotechnological paradigms for neurodegenerative disease interventions 2020 , 277-292		1
30	Ex Vivo and In Vivo Characterization of Interpolymeric Blend/Nanoenabled Gastroretentive Levodopa Delivery Systems. <i>Parkinsons Disease</i> , 2017 , 2017, 7818123	2.6	1
29	In vitro and in vivo evaluation of an oral Multi-Layered Multi-Disk Tablet for specialized chronotherapeutic drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 45, 39-44	4.5	1
28	Thermo-intelligent Injectable Implants: Intricate Mechanisms and Therapeutic Applications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018 , 341-359		1
27	Physicomechanical characterization and optimization of EDTA-mPEG and Avicel® -EDTA-mPEG in situ melt dispersion mini-pellets. <i>AAPS PharmSciTech</i> , 2013 , 14, 935-49	3.9	1
26	Spectrin conjugated PLGA nanoparticles for potential membrane phospholipid interactions: Development, optimization and in vitro studies. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 60, 102087	4.5	1

25	Fabrication and Characterisation of a Photo-Responsive, Injectable Nanosystem for Sustained Delivery of Macromolecules. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
24	Synthesis and therapeutic delivery approaches for praziquantel: a patent review (2010-present). <i>Expert Opinion on Therapeutic Patents</i> , 2021 , 31, 851-865	6.8	1
23	Study of Different Crystal Habits of Aprepitant: Dissolution and Material Attributes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5604	2.6	1
22	Macroporous chitosan/methoxypoly(ethylene glycol) based cryosponges with unique morphology for tissue engineering applications. <i>Scientific Reports</i> , 2021 , 11, 3104	4.9	1
21	Targeted Delivery of Amantadine-loaded Methacrylate Nanosphere-ligands for the Potential Treatment of Amyotrophic Lateral Sclerosis. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018 , 21, 94-109	3.4	1
20	Inclusivity and diversity: Integrating international perspectives on stem cell challenges and potential. <i>Stem Cell Reports</i> , 2021 , 16, 1847-1852	8	1
19	Lipopolysaccharide Nanosystems for the Enhancement of Oral Bioavailability. <i>AAPS PharmSciTech</i> , 2021 , 22, 242	3.9	1
18	Stealth Properties of Nanoparticles Against Cancer: Surface Modification of NPs for Passive Targeting to Human Cancer Tissue in Zebrafish Embryos 2019 , 99-124		0
17	In vitro, ex vivo and in vivo evaluation of a novel metal-liganded nanocomposite for the controlled release and improved oral bioavailability of sulpiride. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102909	4.5	0
16	Herbal bioactive-incorporated scaffolds for wound healing applications 2022 , 311-330		0
15	Emergence of Nanotechnology as a Powerful Cavalry against Triple-Negative Breast Cancer (TNBC). <i>Pharmaceuticals</i> , 2022 , 15, 542	5.2	0
14	Induction of creep crack morphology in iron oxide microparticles: An outcome of the common-ion effect. <i>Materials Letters</i> , 2017 , 188, 417-422	3.3	
13	Biopolymeric archetypes for the oral delivery of nutraceuticals 2017 , 231-249		
12	A novel pH-dependant and double crosslinked polymethacrylate-based polysphere matrix for enteric delivery of isoniazid. <i>Pharmaceutical Development and Technology</i> , 2013 , 18, 1066-77	3.4	
11	Inorganic Nanomaterials for Enhanced Therapeutic Safety. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 1-24	0.8	
10	Three Dimensional Printing (3DP) for Space Pharmaceuticals 2020 , 1-38		
9	Cutting-edge techniques for molecular imaging with relevance to therapeutic delivery methods 2013 , 126-144		
8	Synthesis and characterization of Chitosan-Catechol conjugates: Development and in vitro, in silico and in vivo evaluation of mucoadhesive pellets of lafutidine. <i>Journal of Bioactive and Compatible Polymers</i> , 2021 , 36, 139-151	2	

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- 6 Nanoengineered biomaterials for vascular tissue engineering **2019**, 125-144
- 5 Three-Dimensional Printing (3DP) for Space Pharmaceuticals **2022**, 221-258
- 4 Physicochemical Basic Principles for Solid Dosage Forms **2022**, 49-67
- 3 Targeted Micellar Systems for Pulmonary Disease Intervention **2022**, 359-373
- 2 Nano-enabled systems for neural tissue regenerative applications **2022**, 623-648
- 1 Nanomedicines for tropical diseases affecting the central nervous system **2022**, 695-729