

Lisa C Du Toit

List of Publications by Citations

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182
papers

4,983
citations

37
h-index

65
g-index

184
ext. papers

5,818
ext. citations

4.9
avg, IF

5.74
L-index

#	Paper	IF	Citations
182	Stimuli-responsive polymers and their applications in drug delivery. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 022001	3.5	456
181	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
180	A review of the chemical modification techniques of starch. <i>Carbohydrate Polymers</i> , 2017 , 157, 1226-1236	6.3	229
179	Current advances in the fabrication of microneedles for transdermal delivery. <i>Journal of Controlled Release</i> , 2014 , 185, 130-8	11.7	218
178	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
177	A comprehensive review of advanced biopolymeric wound healing systems. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2211-30	3.9	155
176	A Review of Injectable Polymeric Hydrogel Systems for Application in Bone Tissue Engineering. <i>Molecules</i> , 2016 , 21,	4.8	119
175	Nanotechnological applications for the treatment of neurodegenerative disorders. <i>Progress in Neurobiology</i> , 2009 , 88, 272-85	10.9	114
174	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
173	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
172	The Hemocompatibility of Nanoparticles: A Review of Cell-Nanoparticle Interactions and Hemostasis. <i>Cells</i> , 2019 , 8,	7.9	95
171	A review of implantable intravitreal drug delivery technologies for the treatment of posterior segment eye diseases. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 2219-39	3.9	91
170	Diverse approaches for the enhancement of oral drug bioavailability. <i>Biopharmaceutics and Drug Disposition</i> , 2011 , 32, 185-209	1.7	83
169	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
168	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
167	Bypassing P-Glycoprotein Drug Efflux Mechanisms: Possible Applications in Pharmaco-resistant Schizophrenia Therapy. <i>BioMed Research International</i> , 2015 , 2015, 484963	3	71
166	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

165	Functionalizing bioinks for 3D bioprinting applications. <i>Drug Discovery Today</i> , 2019 , 24, 198-205	8.8	64
164	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
163	Ionic Liquids as Potential and Synergistic Permeation Enhancers for Transdermal Drug Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	56
162	Design, biometric simulation and optimization of a nano-enabled scaffold device for enhanced delivery of dopamine to the brain. <i>International Journal of Pharmaceutics</i> , 2009 , 382, 277-90	6.5	55
161	Nano-microbicides: challenges in drug delivery, patient ethics and intellectual property in the war against HIV/AIDS. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 532-46	18.5	53
160	Hydrogel Biomaterials for Application in Ocular Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 228	5.8	52
159	Ocular drug delivery - a look towards nanobioadhesives. <i>Expert Opinion on Drug Delivery</i> , 2011 , 8, 71-94	8	50
158	A review of multi-responsive membranous systems for rate-modulated drug delivery. <i>AAPS PharmSciTech</i> , 2010 , 11, 441-59	3.9	49
157	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
156	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
155	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
154	Crosslinked electrospun PVA nanofibrous membranes: elucidation of their physicochemical, physicomechanical and molecular disposition. <i>Biofabrication</i> , 2012 , 4, 025002	10.5	43
153	Trends in the molecular pathogenesis and clinical therapeutics of common neurodegenerative disorders. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 2510-57	6.3	43
152	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
151	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
150	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
149	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
148	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

147	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
146	Drug delivery technologies for chronotherapeutic applications. <i>Pharmaceutical Development and Technology</i> , 2009 , 14, 602-12	3.4	37
145	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
144	A Mucoadhesive Electrospun Nanofibrous Matrix for Rapid Oramucosal Drug Delivery. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-19	3.2	34
143	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
142	Advances in Biodegradable Nano-Sized Polymer-Based Ocular Drug Delivery. <i>Polymers</i> , 2019 , 11,	4.5	31
141	Gastroretentive drug delivery systems: current developments in novel system design and evaluation. <i>Current Drug Delivery</i> , 2009 , 6, 451-60	3.2	31
140	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
139	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
138	Design of a Versatile pH-Responsive Hydrogel for Potential Oral Delivery of Gastric-Sensitive Bioactives. <i>Polymers</i> , 2017 , 9,	4.5	29
137	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
136	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
135	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
134	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
133	Investigating the effect of polymeric approaches on circulation time and physical properties of nanobubbles. <i>Pharmaceutical Research</i> , 2011 , 28, 494-504	4.5	25
132	Stimuli-Responsive Polymeric Systems for Controlled Protein and Peptide Delivery: Future Implications for Ocular Delivery. <i>Molecules</i> , 2016 , 21,	4.8	25
131	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
130	A review of polymeric colloidal nanogels in transdermal drug delivery. <i>Current Pharmaceutical Design</i> , 2015 , 21, 2801-13	3.3	22

129	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
128	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	4	21
127	Levodopa delivery systems: advancements in delivery of the gold standard. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 203-24	8	20
126	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
125	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
124	Therapeutic applications and pharmacoeconomics of microneedle technology. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2018 , 18, 359-369	2.2	18
123	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
122	Diagnosis and Treatment of Neurological and Ischemic Disorders Employing Carbon Nanotube Technology. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-19	3.2	18
121	An optimized gastroretentive nanosystem for the delivery of levodopa. <i>International Journal of Pharmaceutics</i> , 2015 , 494, 49-65	6.5	17
120	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
119	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
118	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
117	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
116	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
115	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
114	Dexamethasone-Loaded, PEGylated, Vertically Aligned, Multiwalled Carbon Nanotubes for Potential Ischemic Stroke Intervention. <i>Molecules</i> , 2018 , 23,	4.8	15
113	Synthesis of a semi-interpenetrating polymer network as a bioactive curcumin film. <i>AAPS PharmSciTech</i> , 2014 , 15, 1476-89	3.9	15
112	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

111	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
110	Formulation and evaluation of a salted-out isoniazid-loaded nanosystem. <i>AAPS PharmSciTech</i> , 2008 , 9, 174-81	3.9	15
109	Multifunctional Magnetic Nanowires: Design, Fabrication, and Future Prospects as Cancer Therapeutics. <i>Cancers</i> , 2019 , 11,	6.6	15
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	Development of a Novel Polymeric Nanocomposite Complex for Drugs with Low Bioavailability. <i>AAPS PharmSciTech</i> , 2018 , 19, 303-314	3.9	11
96	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
95	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
94	Bioplatfrom Fabrication Approaches Affecting Chitosan-Based Interpolymer Complex Properties and Performance as Wound Dressings. <i>Molecules</i> , 2020 , 25,	4.8	11

93	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
92	Drug Delivery Strategies for Antivirals against Hepatitis B Virus. <i>Viruses</i> , 2018 , 10,	6.2	10
91	A Novel Melt-Dispersion Technique for Simplistic Preparation of Chlorpromazine-Loaded Polycaprolactone Nanocapsules. <i>Polymers</i> , 2015 , 7, 1145-1176	4.5	10
90	Carbon Dots as Nanotherapeutics for Biomedical Application. <i>Current Pharmaceutical Design</i> , 2020 , 26, 2207-2221	3.3	10
89	A bio-injectable algin-aminocaproic acid thixogel with tri-stimuli responsiveness. <i>Carbohydrate Polymers</i> , 2016 , 135, 324-33	10.3	9
88	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
87	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
86	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
85	Ester-Based Hydrophilic Cyclodextrin Nanosponges for Topical Ocular Drug Delivery. <i>Current Pharmaceutical Design</i> , 2016 , 22, 6988-6997	3.3	9
84	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
83	In vivo and ex vivo evaluation of a multi-particulate composite construct for sustained transbuccal delivery of carbamazepine. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1157-69	3.9	9
82	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
81	Artificial, Triple-Layered, Nanomembranous Wound Patch for Potential Diabetic Foot Ulcer Intervention. <i>Materials</i> , 2018 , 11,	3.5	9
80	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
79	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
78	Investigation of the physicochemical and physicommechanical properties of a novel intravaginal bioadhesive polymeric device in the pig model. <i>AAPS PharmSciTech</i> , 2010 , 11, 793-808	3.9	8
77	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
76	Polymeric networks for controlled release of drugs: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2016 , 26, 703-17	6.8	8

75	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, 266-276	4.5	7
74	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
73	Construction and in vitro characterization of an optimized porosity-enabled amalgamated matrix for sustained transbuccal drug delivery. <i>International Journal of Pharmaceutics</i> , 2010 , 391, 79-89	6.5	7
72	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
71	Neo-Geometric Copper Nanocrystals by Competitive, Dual Surfactant-Mediated Facet Adsorption Controlling Skin Permeation. <i>Materials</i> , 2016 , 9,	3.5	7
70	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
69	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
68	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
67	Design of an Inflammation-Sensitive Polyelectrolyte-Based Topical Drug Delivery System for Arthritis. <i>AAPS PharmSciTech</i> , 2016 , 17, 1075-85	3.9	6
66	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
65	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
64	In vivo evaluation of a biodegradable donut-shaped minitablet for prolonged posterior segment drug delivery in the rabbit eye model. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 1819-32	3.9	6
63	Design and characterisation of PHBV-magnesium oleate directional nanofibers for neurosupport. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 065015	3.5	6
62	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
61	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
60	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
59	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
58	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

57	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
56	Ex vivo evaluation of a microneedle array device for transdermal application. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 351-9	6.5	5
55	Intestinal Targeting of Ganciclovir Release Employing a Novel HEC-PAA Blended Lyomatrix. <i>AAPS PharmSciTech</i> , 2016 , 17, 1120-30	3.9	5
54	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
53	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
52	Outlook on the Application of Metal-Liganded Bioactives for Stimuli-Responsive Release. <i>Molecules</i> , 2017 , 22,	4.8	5
51	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
50	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
49	A novel multilayered multidisk oral tablet for chronotherapeutic drug delivery. <i>BioMed Research International</i> , 2013 , 2013, 569470	3	5
48	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
47	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
46	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
45	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
44	Development and in vivo evaluation of an implantable nano-enabled multipolymeric scaffold for the management of AIDS dementia complex (ADC). <i>International Journal of Pharmaceutics</i> , 2015 , 496, 863-77	6.5	4
43	An epichlorohydrin-crosslinked semi-interpenetrating GG-PEO network as a xerogel matrix for sustained release of sulphiride. <i>AAPS PharmSciTech</i> , 2014 , 15, 1292-306	3.9	4
42	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
41	Rapidly disintegrating oramucosal drug delivery technologies. <i>Pharmaceutical Development and Technology</i> , 2009 , 14, 588-601	3.4	4
40	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

39	A novel bile salts-lipase polymeric film-infused minitabket system for enhanced oral delivery of cholecalciferol. <i>Pharmaceutical Development and Technology</i> , 2016 , 21, 832-846	3.4	3
38	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
37	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
36	Mechanistic evaluation of alginate-HEC gelisphere compacts for controlled intrastriatal nicotine release in Parkinson's disease. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2059-72	3.9	3
35	Electroactive Polymers and Coatings 2016 , 51-89		3
34	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
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