Angel Concheiro

List of Publications by Year
in descending order

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322	14,148	19657 61	37204 96
papers	citations	h-index	g-index

328	328	328	13925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lightâ€sensitive Intelligent Drug Delivery Systems^{â€}. Photochemistry and Photobiology, 2009, 85, 848-860.	2.5	457
2	Crosslinked ionic polysaccharides for stimuli-sensitive drug delivery. Advanced Drug Delivery Reviews, 2013, 65, 1148-1171.	13.7	428
3	Molecularly imprinted polymers for drug delivery. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 804, 231-245.	2.3	340
4	Smart drug delivery systems: from fundamentals to the clinic. Chemical Communications, 2014, 50, 7743-7765.	4.1	329
5	Imprinted soft contact lenses as norfloxacin delivery systems. Journal of Controlled Release, 2006, 113, 236-244.	9.9	231
6	Soft Contact Lenses Capable of Sustained Delivery of Timolol. Journal of Pharmaceutical Sciences, 2002, 91, 2182-2192.	3.3	198
7	Cationic cellulose hydrogels: kinetics of the cross-linking process and characterization as pH-/ion-sensitive drug delivery systems. Journal of Controlled Release, 2003, 86, 253-265.	9.9	185
8	Temperature-sensitive chitosan-poly(N-isopropylacrylamide) interpenetrated networks with enhanced loading capacity and controlled release properties. Journal of Controlled Release, 2005, 102, 629-641.	9.9	182
9	Chemically cross-linked and grafted cyclodextrin hydrogels: From nanostructures to drug-eluting medical devices. Advanced Drug Delivery Reviews, 2013, 65, 1188-1203.	13.7	168
10	Reversible adsorption by a pH- and temperature-sensitive acrylic hydrogel. Journal of Controlled Release, 2002, 80, 247-257.	9.9	163
11	Cyclodextrin-based nanogels for pharmaceutical and biomedical applications. International Journal of Pharmaceutics, 2012, 428, 152-163.	5.2	160
12	To Remove or Not to Remove? The Challenge of Extracting the Template to Make the Cavities Available in Molecularly Imprinted Polymers (MIPs). International Journal of Molecular Sciences, 2011, 12, 4327-4347.	4.1	156
13	Soft contact lenses functionalized with pendant cyclodextrins for controlled drug delivery. Biomaterials, 2009, 30, 1348-1355.	11.4	147
14	Improving the Loading and Release of NSAIDs from pHEMA Hydrogels by Copolymerization with Functionalized Monomers. Journal of Pharmaceutical Sciences, 2007, 96, 802-813.	3.3	144
15	Supramolecular cyclodextrin-based drug nanocarriers. Chemical Communications, 2015, 51, 6275-6289.	4.1	142
16	Self-Associative Behavior and Drug-Solubilizing Ability of Poloxamine (Tetronic) Block Copolymers. Langmuir, 2008, 24, 10688-10697.	3.5	130
17	Poly(hydroxyethyl methacrylate-co-methacrylated-Î²-cyclodextrin) hydrogels: Synthesis, cytocompatibility, mechanical properties and drug loading/release properties. Acta Biomaterialia, 2008, 4, 745-755.	8.3	127
18	Aerogels in drug delivery: From design to application. Journal of Controlled Release, 2021, 332, 40-63.	9.9	123

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19	PEO-PPO Block Copolymers for Passive Micellar Targeting and Overcoming Multidrug Resistance in Cancer Therapy. Current Drug Targets, 2011, 12, 1112-1130.	2.1	117
20	Bioinspired Imprinted PHEMA-Hydrogels for Ocular Delivery of Carbonic Anhydrase Inhibitor Drugs. Biomacromolecules, 2011, 12, 701-709.	5.4	113
21	Influence of technological variables on release of drugs from hydrophilic matrices. Drug Development and Industrial Pharmacy, 1992, 18, 1355-1375.	2.0	112
22	Solubilization and stabilization of camptothecin in micellar solutions of pluronic-g-poly(acrylic acid) copolymers. Journal of Controlled Release, 2004, 97, 537-549.	9.9	105
23	Contact Lenses for Drug Delivery. American Journal of Drug Delivery, 2006, 4, 131-151.	0.6	105
24	New Cyclodextrin Hydrogels Cross-Linked with Diglycidylethers with a High Drug Loading and Controlled Release Ability. Pharmaceutical Research, 2006, 23, 121-130.	3.5	103
25	Tetronic micellization, gelation and drug solubilization: Influence of pH and ionic strength. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 244-252.	4.3	101
26	Acrylic/cyclodextrin hydrogels with enhanced drug loading and sustained release capability. International Journal of Pharmaceutics, 2006, 312, 66-74.	5.2	100
27	Supercritical fluid-assisted preparation of imprinted contact lenses for drug delivery. Acta Biomaterialia, 2011, 7, 1019-1030.	8.3	99
28	Poloxamer 407/TPGS Mixed Micelles as Promising Carriers for Cyclosporine Ocular Delivery. Molecular Pharmaceutics, 2018, 15, 571-584.	4.6	99
29	Incorporation of small quantities of surfactants as a way to improve the rheological and diffusional behavior of carbopol gels. Journal of Controlled Release, 2001, 77, 59-75.	9.9	97
30	Estradiol sustained release from high affinity cyclodextrin hydrogelsâ˜†. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 55-62.	4.3	95
31	Î±-Lipoic Acid in Soluplus Â® Polymeric Nanomicelles for Ocular Treatment of Diabetes-Associated Corneal Diseases. Journal of Pharmaceutical Sciences, 2016, 105, 2855-2863.	3.3	91
32	Polymeric micelles for oral drug administration enabling locoregional and systemic treatments. Expert Opinion on Drug Delivery, 2015, 12, 297-318.	5.0	90
33	Processing of Materials for Regenerative Medicine Using Supercritical Fluid Technology. Bioconjugate Chemistry, 2015, 26, 1159-1171.	3.6	89
34	Intelligent Drug Delivery Systems: Polymeric Micelles and Hydrogels. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1065-1074.	2.4	87
35	Anti-glaucoma drug-loaded contact lenses prepared using supercritical solvent impregnation. Journal of Supercritical Fluids, 2010, 53, 165-173.	3.2	86
36	Biodegradable electrospun nanofibers coated with platelet-rich plasma for cell adhesion and proliferation. Materials Science and Engineering C, 2014, 40, 180-188.	7.3	86

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37	Poloxamine-based nanomaterials for drug delivery. Frontiers in Bioscience - Elite, 2010, E2, 424-440.	1.8	82
38	Medical devices modified at the surface by Î³-ray grafting for drug loading and delivery. Expert Opinion on Drug Delivery, 2010, 7, 173-185.	5.0	82
39	Pharmacokinetics of cyclodextrins and drugs after oral and parenteral administration of drug/cyclodextrin complexes. Journal of Pharmacy and Pharmacology, 2016, 68, 544-555.	2.4	82
40	Interactions of ibuprofen with cationic polysaccharides in aqueous dispersions and hydrogels. European Journal of Pharmaceutical Sciences, 2003, 20, 429-438.	4.0	81
41	Î²-Cyclodextrin hydrogels for the ocular release of antibacterial thiosemicarbazones. Carbohydrate Polymers, 2013, 93, 449-457.	10.2	81
42	Syringeable Pluronicâ€“Î±-cyclodextrin supramolecular gels for sustained delivery of vancomycin. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 103-112.	4.3	80
43	Supercritical processing of starch aerogels and aerogel-loaded poly(Îµ-caprolactone) scaffolds for sustained release of ketoprofen for bone regeneration. Journal of CO2 Utilization, 2017, 18, 237-249.	6.8	80
44	Bioinspired hydrogels for drug-eluting contact lenses. Acta Biomaterialia, 2019, 84, 49-62.	8.3	77
45	Single and mixed poloxamine micelles as nanocarriers for solubilization and sustained release of ethoxzolamide for topical glaucoma therapy. Journal of the Royal Society Interface, 2012, 9, 2059-2069.	3.4	76
46	N-alkylation of poloxamines modulates micellar assembly and encapsulation and release of the antiretroviral efavirenz. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 24-37.	4.3	73
47	Polypropylene grafted with smart polymers (PNIPAAm/PAAc) for loading and controlled release of vancomycin. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 467-477.	4.3	72
48	Hydroxypropyl-Î²-cyclodextrin-based fast dissolving carbamazepine printlets prepared by semisolid extrusion 3D printing. Carbohydrate Polymers, 2019, 221, 55-62.	10.2	72
49	Preparation of chitosan beads by simultaneous cross-linking/insolubilisation in basic pH. European Journal of Pharmaceutical Sciences, 2005, 24, 77-84.	4.0	71
50	Soluplus micelles for acyclovir ocular delivery: Formulation and cornea and sclera permeability. International Journal of Pharmaceutics, 2018, 552, 39-47.	5.2	71
51	Soft contact lenses for controlled ocular delivery: 50 years in the making. Therapeutic Delivery, 2013, 4, 1141-1161.	2.2	70
52	Effect of batch variation and source of pulp on the properties of microcrystalline cellulose. International Journal of Pharmaceutics, 1993, 91, 133-141.	5.2	69
53	Poly(acrylic acid) microgels (carbopolÂ® 934)/surfactant interactions in aqueous media Part I: Nonionic surfactants. International Journal of Pharmaceutics, 2003, 258, 165-177.	5.2	69
54	Wound dressings loaded with an anti-inflammatory jucÃ¡ (Libidibia ferrea) extract using supercritical carbon dioxide technology. Journal of Supercritical Fluids, 2013, 74, 34-45.	3.2	69

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55	Nanogels for regenerative medicine. Journal of Controlled Release, 2019, 313, 148-160.	9.9	68
56	A new era for sterilization based on supercritical CO₂ technology. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 399-428.	3.4	68
57	Bioinspired drug delivery systems. Current Opinion in Biotechnology, 2013, 24, 1167-1173.	6.6	67
58	Cyclodextrins as versatile building blocks for regenerative medicine. Journal of Controlled Release, 2017, 268, 269-281.	9.9	67
59	Solubilization and stabilization of camptothecin in micellar solutions of pluronic-g-poly(acrylic acid) copolymers. Journal of Controlled Release, 2004, 97, 537-549.	9.9	66
60	Interfacial Adsorption of Polymers and Surfactants: Implications for the Properties of Disperse Systems of Pharmaceutical Interest. Drug Development and Industrial Pharmacy, 1999, 25, 817-829.	2.0	63
61	Macromolecule release and smoothness of semi-interpenetrating PVPâ€“pHEMA networks for comfortable soft contact lenses. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1094-1103.	4.3	63
62	Effect of country of origin on the properties of microcrystalline cellulose. International Journal of Pharmaceutics, 1993, 91, 123-131.	5.2	62
63	Modulating drug release with cyclodextrins in hydroxypropyl methylcellulose gels and tablets. Journal of Controlled Release, 2004, 94, 351-363.	9.9	62
64	Where Is Nano Today and Where Is It Headed? A Review of Nanomedicine and the Dilemma of Nanotoxicology. ACS Nano, 2022, 16, 9994-10041.	14.6	62
65	Additive manufacturing of scaffolds with dexamethasone controlled release for enhanced bone regeneration. International Journal of Pharmaceutics, 2015, 496, 541-550.	5.2	60
66	Dressings Loaded with Cyclodextrinâ€“Hamamelitannin Complexes Increase Staphylococcus aureus Susceptibility Toward Antibiotics Both in Single as well as in Mixed Biofilm Communities. Macromolecular Bioscience, 2016, 16, 859-869.	4.1	60
67	Chemical structure and glass transition temperature of non-ionic cellulose ethers. Journal of Thermal Analysis and Calorimetry, 2003, 73, 587-596.	3.6	59
68	Computational modeling and molecular imprinting for the development of acrylic polymers with high affinity for bile salts. Analytica Chimica Acta, 2010, 659, 178-185.	5.4	59
69	Synergistic performance of cyclodextrinâ€“agar hydrogels for ciprofloxacin delivery and antimicrobial effect. Carbohydrate Polymers, 2011, 85, 765-774.	10.2	59
70	Epalrestat-loaded silicone hydrogels as contact lenses to address diabetic-eye complications. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 126-136.	4.3	59
71	Anti-biofilm multi drug-loaded 3D printed hearing aids. Materials Science and Engineering C, 2021, 119, 111606.	7.3	59
72	Biophysical Characterization of Complexation of DNA with Block Copolymers of Poly(2-dimethylaminoethyl) Methacrylate, Poly(ethylene oxide), and Poly(propylene oxide). Langmuir, 2005, 21, 5142-5148.	3.5	58

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73	Dexamethasone eye drops containing Î³-cyclodextrin-based nanogels. International Journal of Pharmaceutics, 2013, 441, 507-515.	5.2	58
74	Controlled release of estradiol solubilized in carbopol/surfactant aggregates. Journal of Controlled Release, 2003, 93, 319-330.	9.9	57
75	Molecularly imprinted materials as advanced excipients for drug delivery systems. Biotechnology Annual Review, 2006, 12, 225-268.	2.1	57
76	Hot melt poly-Îµ-caprolactone/poloxamine implantable matrices for sustained delivery of ciprofloxacin. Acta Biomaterialia, 2012, 8, 1507-1518.	8.3	57
77	Topical application of polymeric nanomicelles in ophthalmology: a review on research efforts for the noninvasive delivery of ocular therapeutics. Expert Opinion on Drug Delivery, 2019, 16, 397-413.	5.0	57
78	Cyclodextrin-functionalized biomaterials loaded with miconazole prevent Candida albicans biofilm formation in vitro. Acta Biomaterialia, 2010, 6, 1398-1404.	8.3	56
79	Microviscosity of hydroxypropylcellulose gels as a basis for prediction of drug diffusion rates. International Journal of Pharmaceutics, 1999, 180, 91-103.	5.2	55
80	Cross-linked hydroxypropyl-Î²-cyclodextrin and Î³-cyclodextrin nanogels for drug delivery: Physicochemical and loading/release properties. Carbohydrate Polymers, 2012, 87, 2344-2351.	10.2	55
81	Hydrophobically Modified Keratin Vesicles for GSH-Responsive Intracellular Drug Release. Bioconjugate Chemistry, 2015, 26, 1900-1907.	3.6	54
82	3D printed carboxymethyl cellulose scaffolds for autologous growth factors delivery in wound healing. Carbohydrate Polymers, 2022, 278, 118924.	10.2	54
83	Dexamethasone-loaded poly(É›-caprolactone)/silica nanoparticles composites prepared by supercritical CO2 foaming/mixing and deposition. International Journal of Pharmaceutics, 2013, 456, 269-281.	5.2	53
84	Bactericidal Core-Shell Paramagnetic Nanoparticles Functionalized with Poly(hexamethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	3.5	51
85	Pectin-coated chitosan microgels crosslinked on superhydrophobic surfaces for 5-fluorouracil encapsulation. Carbohydrate Polymers, 2013, 98, 331-340.	10.2	51
86	Post-manufacture loading of filaments and 3D printed PLA scaffolds with prednisolone and dexamethasone for tissue regeneration applications. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 141, 100-110.	4.3	51
87	Stimuli-responsive materials in analytical separation. Analytical and Bioanalytical Chemistry, 2015, 407, 4927-4948.	3.7	50
88	PEOâ€“PPOâ€“PEO micelles as effective rAAV-mediated gene delivery systems to target human mesenchymal stem cells without altering their differentiation potency. Acta Biomaterialia, 2015, 27, 42-52.	8.3	50
89	scCO2-foamed silk fibroin aerogel/poly(Îµ-caprolactone) scaffolds containing dexamethasone for bone regeneration. Journal of CO2 Utilization, 2019, 31, 51-64.	6.8	49
90	Osteogenic efficiency of in situ gelling poloxamine systems with and without bone morphogenetic protein-2. , 2011, 21, 317-340.		49

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91	Binding of Functionalized Paramagnetic Nanoparticles to Bacterial Lipopolysaccharides And DNA. Langmuir, 2010, 26, 8829-8835.	3.5	48
92	Rheological Evaluation of the Interactions between Cationic Celluloses and Carbopol 974P in Water. Biomacromolecules, 2001, 2, 886-893.	5.4	47
93	Polycationic Block Copolymers of Poly(ethylene oxide) and Poly(propylene oxide) for Cell Transfection. Bioconjugate Chemistry, 2005, 16, 626-633.	3.6	47
94	Poly-(cyclo)dextrins as ethoxzolamide carriers in ophthalmic solutions and in contact lenses. Carbohydrate Polymers, 2013, 98, 1343-1352.	10.2	47
95	Biomimetic contact lenses eluting olopatadine for allergic conjunctivitis. Acta Biomaterialia, 2016, 41, 302-311.	8.3	47
96	Inhibition of P-glycoprotein pumps by PEOâ€“PPO amphiphiles: branched versus linear derivatives. Nanomedicine, 2010, 5, 1371-1383.	3.3	46
97	Antifouling foldable acrylic IOLs loaded with norfloxacin by aqueous soaking and by supercritical carbon dioxide technology. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 383-391.	4.3	46
98	pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 117, 324-332.	4.3	46
99	Glass transitions and viscoelastic properties of CarbopolÂ® and NoveonÂ® compacts. International Journal of Pharmaceutics, 2004, 274, 233-243.	5.2	45
100	Hydrosoluble Cyclodextrin/Poloxamer Polypseudorotaxanes at the Air/Water Interface, in Bulk Solution, and in the Gel State. Journal of Physical Chemistry B, 2009, 113, 2773-2782.	2.6	45
101	Acrylic polymer-grafted polypropylene sutures for covalent immobilization or reversible adsorption of vancomycin. International Journal of Pharmaceutics, 2014, 461, 286-295.	5.2	44
102	Electrospun Fibers of Cyclodextrins and Poly(cyclodextrins). Molecules, 2017, 22, 230.	3.8	43
103	Gallic acid loaded PEO-core/zein-shell nanofibers for chemopreventive action on gallbladder cancer cells. European Journal of Pharmaceutical Sciences, 2018, 119, 49-61.	4.0	43
104	Biofilm inhibition and drug-eluting properties of novel DMAEMA-modified polyethylene and silicone rubber surfaces. Biofouling, 2011, 27, 123-135.	2.2	42
105	Targeted Combinatorial Therapy Using Gold Nanostars as Theranostic Platforms. Journal of Physical Chemistry C, 2014, 118, 26313-26323.	3.1	42
106	Poloxamer-hydroxyethyl cellulose-Î±-cyclodextrin supramolecular gels for sustained release of griseofulvin. International Journal of Pharmaceutics, 2016, 500, 11-19.	5.2	42
107	Biodegradable PCL/fibroin/hydroxyapatite porous scaffolds prepared by supercritical foaming for bone regeneration. International Journal of Pharmaceutics, 2017, 527, 115-125.	5.2	42
108	Antimicrobial Properties and Osteogenicity of Vancomycin-Loaded Synthetic Scaffolds Obtained by Supercritical Foaming. ACS Applied Materials & Interfaces, 2018, 10, 3349-3360.	8.0	42

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109	Atenolol release from hydrophilic matrix tablets with hydroxypropylmethylcellulose (HPMC) mixtures as gelling agent: effects of the viscosity of the HPMC mixture. European Journal of Pharmaceutical Sciences, 1996, 4, 39-48.	4.0	41
110	Influence of polymer structure on the rheological behavior of hydroxypropylmethylcellulose-sodium carboxymethylcellulose dispersions. Colloid and Polymer Science, 2001, 279, 1045-1057.	2.1	41
111	Modification of medical grade PVC with N-vinylimidazole to obtain bactericidal surface. Radiation Physics and Chemistry, 2016, 119, 37-43.	2.8	41
112	Crosslinked Hyaluronan Electrospun Nanofibers for Ferulic Acid Ocular Delivery. Pharmaceutics, 2020, 12, 274.	4.5	41
113	Micelleplexes as nucleic acid delivery systems for cancer-targeted therapies. Journal of Controlled Release, 2020, 323, 442-462.	9.9	41
114	Novel interpenetrating smart polymer networks grafted onto polypropylene by gamma radiation for loading and delivery of vancomycin. European Polymer Journal, 2009, 45, 1859-1867.	5.4	40
115	Drug-Eluting Intraocular Lenses. Materials, 2011, 4, 1927-1940.	2.9	40
116	Hydrophilic acrylic hydrogels with built-in or pendant cyclodextrins for delivery of anti-glaucoma drugs. Carbohydrate Polymers, 2012, 88, 977-985.	10.2	40
117	Silicone rubber films functionalized with poly(acrylic acid) nanobrushes for immobilization of gold nanoparticles and photothermal therapy. Journal of Drug Delivery Science and Technology, 2017, 42, 245-254.	3.0	40
118	Temperature- and Light-Responsive Blends of Pluronic F127 and Poly(N,N-dimethylacrylamide-co-methacryloyloxyazobenzene). Langmuir, 2007, 23, 11475-11481.	3.5	39
119	Surface-modified bioresorbable electrospun scaffolds for improving hemocompatibility of vascular grafts. Materials Science and Engineering C, 2017, 75, 1115-1127.	7.3	39
120	Poly(acrylic acid) microgels (carbopolÂ® 934)/surfactant interactions in aqueous media Part II: Ionic surfactants. International Journal of Pharmaceutics, 2003, 258, 179-191.	5.2	38
121	Pluronic and Tetronic Copolymers with Polyglycolyzed Oils as Self-Emulsifying Drug Delivery Systems. AAPS PharmSciTech, 2008, 9, 471-479.	3.3	38
122	Cyclodextrin-functionalized polyethylene and polypropylene as biocompatible materials for diclofenac delivery. International Journal of Pharmaceutics, 2009, 382, 183-191.	5.2	38
123	Stimuli-responsive polymers for antimicrobial therapy: drug targeting, contact-killing surfaces and competitive release. Expert Opinion on Drug Delivery, 2016, 13, 1109-1119.	5.0	38
124	PEO-PPO-PEO Carriers for rAAV-Mediated Transduction of Human Articular Chondrocytes in Vitro and in a Human Osteochondral Defect Model. ACS Applied Materials & Interfaces, 2016, 8, 20600-20613.	8.0	38
125	Growth factors delivery from hybrid PCL-starch scaffolds processed using supercritical fluid technology. Carbohydrate Polymers, 2016, 142, 282-292.	10.2	38
126	The adsorption of cellulose ethers in aqueous suspensions of pyrantel pamoate: effects on zeta potential and stability. European Journal of Pharmaceutics and Biopharmaceutics, 1998, 45, 181-188.	4.3	37

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127	Receptor-based biomimetic NVP/DMA contact lenses for loading/eluting carbonic anhydrase inhibitors. Journal of Membrane Science, 2011, 383, 60-69.	8.2	37
128	Stimuliâ€“responsive networks grafted onto polypropylene for the sustained delivery of NSAIDs. Acta Biomaterialia, 2011, 7, 996-1008.	8.3	37
129	Antiviral Properties of Polymeric Aziridine- and Biguanide-Modified Coreâ€“Shell Magnetic Nanoparticles. Langmuir, 2012, 28, 4548-4558.	3.5	36
130	Antimicrobial silver-loaded polypropylene sutures modified by radiation-grafting. European Polymer Journal, 2018, 100, 290-297.	5.4	36
131	Guanidinylated Polyethyleneimineâ^'Polyoxypropyleneâ^'Polyoxyethylene Conjugates as Gene Transfection Agents. Bioconjugate Chemistry, 2009, 20, 1044-1053.	3.6	35
132	Î³-Cyclodextrin hydrogels and semi-interpenetrating networks for sustained delivery of dexamethasone. Carbohydrate Polymers, 2010, 80, 900-907.	10.2	35
133	Poloxamine micellar solubilization of Î±-tocopherol for topical ocular treatment. Colloids and Surfaces B: Biointerfaces, 2013, 103, 550-557.	5.0	35
134	Supramolecular gels of poly-Î±-cyclodextrin and PEO-based copolymers for controlled drug release. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 579-588.	4.3	35
135	Mechanical and drug-release properties of atenolol-Carbomer hydrophilic matrix tablets. Journal of Controlled Release, 1991, 17, 267-276.	9.9	34
136	Usefulness of certain varieties of Carbomer in the formulation of hydrophilic furosemide matrices. International Journal of Pharmaceutics, 1991, 67, 113-121.	5.2	34
137	Dicalcium phosphate dihydrate and anhydrous dicalcium phosphate for direct compression: A comparative study. International Journal of Pharmaceutics, 1995, 124, 69-74.	5.2	34
138	Influence of cationic cellulose structure on its interactions with sodium dodecylsulfate: implications on the properties of the aqueous dispersions and hydrogels. European Journal of Pharmaceutics and Biopharmaceutics, 2003, 56, 133-142.	4.3	34
139	Cyclodextrin/carbopol micro-scale interpenetrating networks (ms-IPNs) for drug delivery. Journal of Controlled Release, 2007, 123, 56-66.	9.9	34
140	Cyclosporine-loaded cross-linked inserts of sodium hyaluronan and hydroxypropyl-Î²-cyclodextrin for ocular administration. Carbohydrate Polymers, 2018, 201, 308-316.	10.2	34
141	Microstructural and drug release properties of oven-dried and of slowly or fast frozen freeze-dried MCC-CarbopolÂ® pellets. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 236-245.	4.3	33
142	Functionalization of acrylic hydrogels with Î±-, Î²- or Î³-cyclodextrin modulates protein adsorption and antifungal delivery. Acta Biomaterialia, 2010, 6, 3919-3926.	8.3	33
143	Loading and Release of Drugs from Oxygenâ€rich Plasma Polymer Coatings. Plasma Processes and Polymers, 2012, 9, 540-549.	3.0	33
144	Temperature- and pH-sensitive interpenetrating polymer networks grafted on PP: Cross-linking irradiation dose as a critical variable for the performance as vancomycin-eluting systems. Radiation Physics and Chemistry, 2012, 81, 531-540.	2.8	33

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145	Supramolecular polypseudorotaxane gels for controlled delivery of rAAV vectors in human mesenchymal stem cells for regenerative medicine. International Journal of Pharmaceutics, 2017, 531, 492-503.	5.2	33
146	rAAV-mediated overexpression of TGF-β via vector delivery in polymeric micelles stimulates the biological and reparative activities of human articular chondrocytes in vitro and in a human osteochondral defect model. International Journal of Nanomedicine, 2017, Volume 12, 6985-6996.	6.7	33
147	Preparation and stability of dexamethasone-loaded polymeric scaffolds for bone regeneration processed by compressed CO2 foaming. Journal of CO2 Utilization, 2018, 24, 89-98.	6.8	33
148	Micelle-nanogel platform for ferulic acid ocular delivery. International Journal of Pharmaceutics, 2020, 576, 118986.	5.2	33
149	Rheological properties of PLGA film-based implants: correlation with polymer degradation and SPf66 antimalaric synthetic peptide release. Biomaterials, 2004, 25, 925-931.	11.4	32
150	Fractal analysis of SEM images and mercury intrusion porosimetry data for the microstructural characterization of microcrystalline cellulose-based pellets. Acta Materialia, 2009, 57, 295-303.	7.9	32
151	Poloxamines and Poloxamers as Polymeric Micellar Carriers for Simvastatin: Interactions at the Airâ^'Water Interface and in Bulk Solution. Journal of Physical Chemistry C, 2010, 114, 1181-1189.	3.1	32
152	Timololâ€imprinted soft contact lenses: Influence of the template: Functional monomer ratio and the hydrogel thickness. Journal of Applied Polymer Science, 2011, 122, 1333-1340.	2.6	32
153	Poloxamineâ€“Cyclodextrinâ€“Simvastatin Supramolecular Systems Promote Osteoblast Differentiation of Mesenchymal Stem Cells. Macromolecular Bioscience, 2013, 13, 723-734.	4.1	32
154	Influence of microcrystalline cellulose source and batch variation on the tabletting behaviour and stability of prednisone formulations. International Journal of Pharmaceutics, 1993, 91, 143-149.	5.2	31
155	Interactions between hydroxypropylcelluloses and vapour/liquid water. European Journal of Pharmaceutics and Biopharmaceutics, 2000, 50, 307-318.	4.3	31
156	Effects of Surfactants on Gel Behavior. American Journal of Drug Delivery, 2003, 1, 77-101.	0.6	31
157	Radiation grafting of glycidyl methacrylate onto cotton gauzes for functionalization with cyclodextrins and elution of antimicrobial agents. Cellulose, 2012, 19, 2165-2177.	4.9	31
158	NaCl-triggered self-assembly of hydrophilic poloxamine block copolymers. International Journal of Pharmaceutics, 2015, 494, 453-462.	5.2	31
159	Drug Solubilization and Delivery from Cyclodextrin-Pluronic Aggregates. Journal of Nanoscience and Nanotechnology, 2006, 6, 3179-3186.	0.9	30
160	Calorimetric approach to tetronic/water interactions. Journal of Thermal Analysis and Calorimetry, 2007, 87, 171-178.	3.6	30
161	Antiseptic cyclodextrin-functionalized hydrogels and gauzes for loading and delivery of benzalkonium chloride. Biofouling, 2013, 29, 261-271.	2.2	30
162	Doxorubicin-loaded micelles of reverse poly(butylene oxide)â€“poly(ethylene oxide)â€“poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Pharmaceutics, 2013, 445, 47-57.	5.2	30

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163	Free and copolymerized Î³-cyclodextrins regulate the performance of dexamethasone-loaded dextran microspheres for bone regeneration. Journal of Materials Chemistry B, 2014, 2, 4943-4956.	5.8	30
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