Carmen Alvarez-Lorenzo

List of Publications by Year
in descending order

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Version: 2024-02-01

359 papers	16,820 citations	15880 67 h-index	33145 104 g-index
369 all docs	369 docs citations	369 times ranked	17743 citing authors

#	Article	IF	Citations
1	Moxifloxacin imprinted silicon based hydrogels for sustained ocular release. Annals of Medicine, 2024, 51, 103-103.	1.5	6
2	Diclofenac sustained release using an LbL coated silicon based hydrogel. Annals of Medicine, 2024, 51, 104-104.	1.5	0
3	3D printed carboxymethyl cellulose scaffolds for autologous growth factors delivery in wound healing. Carbohydrate Polymers, 2022, 278, 118924.	5.1	54
4	Combined sterilization and fabrication of drug-loaded scaffolds using supercritical CO2 technology. International Journal of Pharmaceutics, 2022, 612, 121362.	2.6	8
5	ZnO nanoparticles coated with oleic acid as additives for a polyalphaolefin lubricant. Journal of Molecular Liquids, 2022, 348, 118401.	2.3	26
6	Understanding dexamethasone kinetics in the rabbit tear fluid: Drug release and clearance from solution, suspension and hydrogel formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 172, 53-60.	2.0	13
7	Modification of indwelling PVC catheters by ionizing radiation with temperature- and pH-responsive polymers for antibiotic delivery. Radiation Physics and Chemistry, 2022, 193, 110005.	1.4	4
8	Volumetric 3D printing for rapid production of medicines. Additive Manufacturing, 2022, 52, 102673.	1.7	20
9	Testing drug release from medicated contact lenses: The missing link to predict in vivo performance. Journal of Controlled Release, 2022, 343, 672-702.	4.8	21
10	Supercritical CO2 sterilization: An effective treatment to reprocess FFP3 face masks and to reduce waste during COVID-19 pandemic. Science of the Total Environment, 2022, 826, 154089.	3.9	12
11	Melatonin-Eluting Contact Lenses Effect on Tear Volume: In Vitro and In Vivo Experiments. Pharmaceutics, 2022, 14, 1019.	2.0	5
12	Poly(pseudo)rotaxanes formed by mixed micelles and Î±-cyclodextrin enhance terbinafine nail permeation to deeper layers. International Journal of Pharmaceutics: X, 2022, 4, 100118.	1.2	2
13	Where Is Nano Today and Where Is It Headed? A Review of Nanomedicine and the Dilemma of Nanotoxicology. ACS Nano, 2022, 16, 9994-10041.	7.3	62
14	Contact lenses for pravastatin delivery to eye segments: Design and in vitro-in vivo correlations. Journal of Controlled Release, 2022, 348, 431-443.	4.8	13
15	Imprinted hydrogels with LbL coating for dual drug release from soft contact lenses materials. Materials Science and Engineering C, 2021, 120, 111687.	3.8	21
16	One-step electrospun scaffold of dual-sized gelatin/poly-3-hydroxybutyrate nano/microfibers for skin regeneration in diabetic wound. Materials Science and Engineering C, 2021, 119, 111602.	3.8	41
17	Anti-biofilm multi drug-loaded 3D printed hearing aids. Materials Science and Engineering C, 2021, 119, 111606.	3.8	59
18	Stereolithography (SLA) 3D printing of a bladder device for intravesical drug delivery. Materials Science and Engineering C, 2021, 120, 111773.	3.8	83

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19	Moxifloxacin-imprinted silicone-based hydrogels as contact lens materials for extended drug release. European Journal of Pharmaceutical Sciences, 2021, 156, 105591.	1.9	25
20	Penetration Enhancers for Topical Drug Delivery to the Ocular Posterior Segmentâ€"A Systematic Review. Pharmaceutics, 2021, 13, 276.	2.0	22
21	Aerogels in drug delivery: From design to application. Journal of Controlled Release, 2021, 332, 40-63.	4.8	123
22	Atropine in topical formulations for the management of anterior and posterior segment ocular diseases. Expert Opinion on Drug Delivery, 2021, 18, 1245-1260.	2.4	11
23	Atorvastatin-Eluting Contact Lenses: Effects of Molecular Imprinting and Sterilization on Drug Loading and Release. Pharmaceutics, 2021, 13, 606.	2.0	20
24	Semi-solid extrusion 3D printing in drug delivery and biomedicine: Personalised solutions for healthcare challenges. Journal of Controlled Release, 2021, 332, 367-389.	4.8	157
25	Resveratrol-Loaded Hydrogel Contact Lenses with Antioxidant and Antibiofilm Performance. Pharmaceutics, 2021, 13, 532.	2.0	21
26	Asymmetry in Drug Permeability through the Cornea. Pharmaceutics, 2021, 13, 694.	2.0	10
27	A Pathway From Porous Particle Technology Toward Tailoring Aerogels for Pulmonary Drug Administration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 671381.	2.0	18
28	Evaluation of human umbilical vein endothelial cells growth onto heparin-modified electrospun vascular grafts. International Journal of Biological Macromolecules, 2021, 179, 567-575.	3.6	11
29	Drug-Loaded Hydrogels for Intraocular Lenses with Prophylactic Action against Pseudophakic Cystoid Macular Edema. Pharmaceutics, 2021, 13, 976.	2.0	9
30	Age-related ocular conditions: Current treatments and role of cyclodextrin-based nanotherapies. International Journal of Pharmaceutics, 2021, 603, 120707.	2.6	12
31	Hybrid Methacrylated Gelatin and Hyaluronic Acid Hydrogel Scaffolds. Preparation and Systematic Characterization for Prospective Tissue Engineering Applications. International Journal of Molecular Sciences, 2021, 22, 6758.	1.8	73
32	Restoring Endogenous Repair Mechanisms to Heal Chronic Wounds with a Multifunctional Wound Dressing. Molecular Pharmaceutics, 2021, 18, 3171-3180.	2.3	17
33	Supercritical CO2 technology for one-pot foaming and sterilization of polymeric scaffolds for bone regeneration. International Journal of Pharmaceutics, 2021, 605, 120801.	2.6	13
34	Diabetic eye: associated diseases, drugs in clinic, and role of self-assembled carriers in topical treatment. Expert Opinion on Drug Delivery, 2021, 18, 1589-1607.	2.4	6
35	Use of 3D Printing for the Development of Biodegradable Antiplatelet Materials for Cardiovascular Applications. Pharmaceuticals, 2021, 14, 921.	1.7	25
36	3D Printed Punctal Plugs for Controlled Ocular Drug Delivery. Pharmaceutics, 2021, 13, 1421.	2.0	35

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37	Niosomes-based gene delivery systems for effective transfection of human mesenchymal stem cells. Materials Science and Engineering C, 2021, 128, 112307.	3.8	11
38	Comparison between thermophysical and tribological properties of two engine lubricant additives: electrochemically exfoliated graphene and molybdenum disulfide nanoplatelets. Nanotechnology, 2021, 32, 025701.	1.3	12
39	Hyaluronan/Poly-L-lysine/Berberine Nanogels for Impaired Wound Healing. Pharmaceutics, 2021, 13, 34.	2.0	19
40	Nanoparticle-containing electrospun nanofibrous scaffolds for sustained release of SDF-1Î±. International Journal of Pharmaceutics, 2021, 610, 121205.	2.6	13
41	Synthesis and Characterization of a Novel Nanomicellar System Pluronic-PEI Suitable for Gene and Drug Co-Delivery in Cancer Therapy. Proceedings (mdpi), 2021, 78, 36.	0.2	0
42	A new era for sterilization based on supercritical CO₂ technology. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 399-428.	1.6	68
43	Poly(vinyl alcohol) triggers Au nanoparticles formation for nearâ€infrared radiationâ€responsive gels and nanofibers. Journal of Applied Polymer Science, 2020, 137, 48811.	1.3	2
44	Micelle-nanogel platform for ferulic acid ocular delivery. International Journal of Pharmaceutics, 2020, 576, 118986.	2.6	33
45	Orodispersible Carbamazepine/Hydroxypropyl-Î²-Cyclodextrin Tablets Obtained by Direct Compression with Five-in-One Co-processed Excipients. AAPS PharmSciTech, 2020, 21, 39.	1.5	16
46	New insights in the morphological characterization and modelling of poly(Îµ-caprolactone) bone scaffolds obtained by supercritical CO2 foaming. Journal of Supercritical Fluids, 2020, 166, 105012.	1.6	15
47	Biodegradable thermoresponsive oligochitosan nanoparticles: Mechanisms of phase transition and drug binding-release. International Journal of Biological Macromolecules, 2020, 164, 1451-1460.	3.6	2
48	Lidocaine-Loaded Solid Lipid Microparticles (SLMPs) Produced from Gas-Saturated Solutions for Wound Applications. Pharmaceutics, 2020, 12, 870.	2.0	19
49	Imprinted Contact Lenses for Ocular Administration of Antiviral Drugs. Polymers, 2020, 12, 2026.	2.0	24
50	Cyclodextrin Cationic Polymer-Based Nanoassemblies to Manage Inflammation by Intra-Articular Delivery Strategies. Nanomaterials, 2020, 10, 1712.	1.9	6
51	Micelles of Progesterone for Topical Eye Administration: Interspecies and Intertissues Differences in Ex Vivo Ocular Permeability. Pharmaceutics, 2020, 12, 702.	2.0	20
52	Biomimetic cancer cell membrane-coated nanosystems as next-generation cancer therapies. Expert Opinion on Drug Delivery, 2020, 17, 1515-1518.	2.4	20
53	Recurrent motifs in pharmaceutical cocrystals involving glycolic acid: X-ray characterization, Hirshfeld surface analysis and DFT calculations. CrystEngComm, 2020, 22, 6674-6689.	1.3	19
54	One-pot synthesis of the organomodified layered double hydroxides - glibenclamide biocompatible nanoparticles. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111055.	2.5	18

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55	Diclofenac sustained release from sterilised soft contact lens materials using an optimised layer-by-layer coating. International Journal of Pharmaceutics, 2020, 585, 119506.	2.6	24
56	Hot melt-extrusion improves the properties of cyclodextrin-based poly(pseudo)rotaxanes for transdermal formulation. International Journal of Pharmaceutics, 2020, 586, 119510.	2.6	24
57	Aerogel sponges of silk fibroin, hyaluronic acid and heparin for soft tissue engineering: Composition-properties relationship. Carbohydrate Polymers, 2020, 237, 116107.	5.1	24
58	Crosslinked Hyaluronan Electrospun Nanofibers for Ferulic Acid Ocular Delivery. Pharmaceutics, 2020, 12, 274.	2.0	41
59	Stimuli-sensitive cross-linked hydrogels as drug delivery systems: Impact of the drug on the responsiveness. International Journal of Pharmaceutics, 2020, 579, 119157.	2.6	30
60	Influence of the carbon source on the properties of poly-(3)-hydroxybutyrate produced by Paraburkholderia xenovorans LB400 and its electrospun fibers. International Journal of Biological Macromolecules, 2020, 152, 11-20.	3.6	23
61	Synthesis of polyamide-6@cellulose microfilms grafted with N-vinylcaprolactam using gamma-rays and loading of antimicrobial drugs. Cellulose, 2020, 27, 2785-2801.	2.4	14
62	Nanomedicine in osteosarcoma therapy: Micelleplexes for delivery of nucleic acids and drugs toward osteosarcoma-targeted therapies. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 148, 88-106.	2.0	21
63	Cytosine-functionalized bioinspired hydrogels for ocular delivery of antioxidant transferulic acid. Biomaterials Science, 2020, 8, 1171-1180.	2.6	17
64	Carbamazepine bilayer tablets combining hydrophilic and hydrophobic cyclodextrins as a quick/slow biphasic release system. Journal of Drug Delivery Science and Technology, 2020, 57, 101611.	1.4	8
65	In Vitro and Ex Vivo Evaluation of Nepafenac-Based Cyclodextrin Microparticles for Treatment of Eye Inflammation. Nanomaterials, 2020, 10, 709.	1.9	24
66	Controlled Release of rAAV Vectors from APMA-Functionalized Contact Lenses for Corneal Gene Therapy. Pharmaceutics, 2020, 12, 335.	2.0	15
67	Micelleplexes as nucleic acid delivery systems for cancer-targeted therapies. Journal of Controlled Release, 2020, 323, 442-462.	4.8	41
68	Amino-functionalized polymers by gamma radiation and their influence on macrophage polarization. Reactive and Functional Polymers, 2020, 151, 104568.	2.0	10
69	Polypseudorotaxanes of PluronicÂ® F127 with Combinations of Î±- and Î²-Cyclodextrins for Topical Formulation of Acyclovir. Nanomaterials, 2020, 10, 613.	1.9	19
70	Jet Cutting Technique for the Production of Chitosan Aerogel Microparticles Loaded with Vancomycin. Polymers, 2020, 12, 273.	2.0	43
71	Protein-like energetics of conformational transitions in a polyampholyte hydrogel. Polymer, 2019, 179, 121617.	1.8	11
72	Nanogels for regenerative medicine. Journal of Controlled Release, 2019, 313, 148-160.	4.8	68

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73	Nanotheranostic Pluronic-Like Polymeric Micelles: Shedding Light into the Dark Shadows of Tumors. Molecular Pharmaceutics, 2019, 16, 4757-4774.	2.3	18
74	Reversing the Tumor Target: Establishment of a Tumor Trap. Frontiers in Pharmacology, 2019, 10, 887.	1.6	15
75	Hydrogels for diabetic eyes: Naltrexone loading, release profiles and cornea penetration. Materials Science and Engineering C, 2019, 105, 110092.	3.8	23
76	Syringeable Self-Organizing Gels that Trigger Gold Nanoparticle Formation for Localized Thermal Ablation. Pharmaceutics, 2019, 11, 52.	2.0	3
77	Cyclodextrin-functionalized cellulose filter paper for selective capture of diclofenac. Carbohydrate Polymers, 2019, 220, 43-52.	5.1	19
78	Hydroxypropyl-Î²-cyclodextrin-based fast dissolving carbamazepine printlets prepared by semisolid extrusion 3D printing. Carbohydrate Polymers, 2019, 221, 55-62.	5.1	72
79	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.	2.0	51
80	Sustainable Electro-Responsive Semi-Interpenetrating Starch/Ionic Liquid Copolymer Networks for the Controlled Sorption/Release of Biomolecules. ACS Sustainable Chemistry and Engineering, 2019, 7, 10516-10532.	3.2	10
81	Cyclodextrinâ€“Amphiphilic Copolymer Supramolecular Assemblies for the Ocular Delivery of Natamycin. Nanomaterials, 2019, 9, 745.	1.9	35
82	Anandamide-nanoformulation obtained by electrospraying for cardiovascular therapy. International Journal of Pharmaceutics, 2019, 566, 1-10.	2.6	17
83	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.	2.4	57
84	Sterile and Dual-Porous Aerogels Scaffolds Obtained through a Multistep Supercritical CO2-Based Approach. Molecules, 2019, 24, 871.	1.7	38
85	scCO2-foamed silk fibroin aerogel/poly(Îµ-caprolactone) scaffolds containing dexamethasone for bone regeneration. Journal of CO2 Utilization, 2019, 31, 51-64.	3.3	49
86	Smart Drug Release from Medical Devices. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 544-554.	1.3	23
87	Radiation-grafting of N-vinylcaprolactam and 2-hydroxyethyl methacrylate onto polypropylene films to obtain a thermo-responsive drug delivery system. Radiation Physics and Chemistry, 2019, 157, 6-14.	1.4	13
88	Bioinspired hydrogels for drug-eluting contact lenses. Acta Biomaterialia, 2019, 84, 49-62.	4.1	77
89	Radiation grafting of poly(methyl methacrylate) and poly(vinylimidazole) onto polytetrafluoroethylene films and silver immobilization for antimicrobial performance. Applied Surface Science, 2019, 473, 951-959.	3.1	23
90	Immobilization of antimicrobial and anti-quorum sensing enzymes onto GMA-grafted poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.6	23

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91	From the printer to the lungs: Inkjet-printed aerogel particles for pulmonary delivery. Chemical Engineering Journal, 2019, 357, 559-566.	6.6	62
92	Vancomycin-loaded chitosan aerogel particles for chronic wound applications. Carbohydrate Polymers, 2019, 204, 223-231.	5.1	136
93	Gallic acid loaded PEO-core/zein-shell nanofibers for chemopreventive action on gallbladder cancer cells. European Journal of Pharmaceutical Sciences, 2018, 119, 49-61.	1.9	43
94	Mobility of Water and Polymer Species and Rheological Properties of Supramolecular Polypseudorotaxane Gels Suitable for Bone Regeneration. Bioconjugate Chemistry, 2018, 29, 503-516.	1.8	14
95	Antimicrobial silver-loaded polypropylene sutures modified by radiation-grafting. European Polymer Journal, 2018, 100, 290-297.	2.6	36
96	Preparation and stability of dexamethasone-loaded polymeric scaffolds for bone regeneration processed by compressed CO2 foaming. Journal of CO2 Utilization, 2018, 24, 89-98.	3.3	33
97	Antimicrobial Properties and Osteogenicity of Vancomycin-Loaded Synthetic Scaffolds Obtained by Supercritical Foaming. ACS Applied Materials & Interfaces, 2018, 10, 3349-3360.	4.0	42
98	Development of a non-toxic and non-denaturing formulation process for encapsulation of SDF-1Î± into PLGA/PEG-PLGA nanoparticles to achieve sustained release. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 125, 38-50.	2.0	39
99	Poloxamer 407/TPGS Mixed Micelles as Promising Carriers for Cyclosporine Ocular Delivery. Molecular Pharmaceutics, 2018, 15, 571-584.	2.3	99
100	Facile synthesis of pH-responsive polymersomes based on lipidized PEG for intracellular co-delivery of curcumin and methotrexate. Colloids and Surfaces B: Biointerfaces, 2018, 167, 568-576.	2.5	16
101	Graft copolymerization by ionization radiation, characterization, and enzymatic activity of temperature-responsive SR- g -PNVCL loaded with lysozyme. Reactive and Functional Polymers, 2018, 126, 74-82.	2.0	30
102	Poly(vinyl chloride) catheters modified with pH-responsive poly(methacrylic acid) with affinity for antimicrobial agents. Radiation Physics and Chemistry, 2018, 142, 107-114.	1.4	18
103	Epalrestat-loaded silicone hydrogels as contact lenses to address diabetic-eye complications. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 126-136.	2.0	59
104	Soluplus micelles for acyclovir ocular delivery: Formulation and cornea and sclera permeability. International Journal of Pharmaceutics, 2018, 552, 39-47.	2.6	71
105	RNAi-based therapeutics for lung cancer: biomarkers, microRNAs, and nanocarriers. Expert Opinion on Drug Delivery, 2018, 15, 965-982.	2.4	15
106	Functionalization of titanium implants with phase-transited lysozyme for gentle immobilization of antimicrobial lysozyme. Applied Surface Science, 2018, 452, 32-42.	3.1	17
107	Cyclodextrin-based poly(pseudo)rotaxanes for transdermal delivery of carvedilol. Carbohydrate Polymers, 2018, 200, 278-288.	5.1	29
108	Cyclosporine-loaded cross-linked inserts of sodium hyaluronan and hydroxypropyl-Î²-cyclodextrin for ocular administration. Carbohydrate Polymers, 2018, 201, 308-316.	5.1	34

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109	Intracellular Biodegradation of Ag Nanoparticles, Storage in Ferritin, and Protection by a Au Shell for Enhanced Photothermal Therapy. ACS Nano, 2018, 12, 6523-6535.	7.3	91
110	Chapter 16. Biomedical Applications of Polysaccharide and Protein Based Aerogels. RSC Green Chemistry, 2018, , 295-323.	0.0	13
111	One-step grafting of temperature-and pH-sensitive (N-vinylcaprolactam-co-4-vinylpyridine) onto silicone rubber for drug delivery. Designed Monomers and Polymers, 2017, 20, 33-41.	0.7	17
112	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.	3.3	80
113	Surface-modified bioresorbable electrospun scaffolds for improving hemocompatibility of vascular grafts. Materials Science and Engineering C, 2017, 75, 1115-1127.	3.8	39
114	Dually sensitive dextran-based micelles for methotrexate delivery. RSC Advances, 2017, 7, 14448-14460.	1.7	22
115	SEM-image textural features and drug release behavior of Eudragit-based matrix pellets. Journal of Drug Delivery Science and Technology, 2017, 42, 292-298.	1.4	3
116	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.	2.6	33
117	Synthetic scaffolds with full pore interconnectivity for bone regeneration prepared by supercritical foaming using advanced biofunctional plasticizers. Biofabrication, 2017, 9, 035002.	3.7	29
118	Biodegradable PCL/fibroin/hydroxyapatite porous scaffolds prepared by supercritical foaming for bone regeneration. International Journal of Pharmaceutics, 2017, 527, 115-125.	2.6	42
119	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.	1.4	40
120	Cyclodextrins as versatile building blocks for regenerative medicine. Journal of Controlled Release, 2017, 268, 269-281.	4.8	67
121	Temperature-sensitive biocompatible IPN hydrogels based on poly(NIPA-PEGdma) and photocrosslinkable gelatin methacrylate. Soft Materials, 2017, 15, 341-349.	0.8	14
122	Structure-Performance Relationships of Temperature-Responsive PLGA-PEG-PLGA Gels for Sustained Release of Bone Morphogenetic Protein-2. Journal of Pharmaceutical Sciences, 2017, 106, 3353-3362.	1.6	20
123	Improved covalent immobilization of lysozyme on silicone rubber-films grafted with poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	15
124	Microparticle-embedded fibroin/alginate beads for prolonged local release of simvastatin hydroxyacid to mesenchymal stem cells. Carbohydrate Polymers, 2017, 175, 645-653.	5.1	12
125	Achieving antimicrobial activity through poly(N-methylvinylimidazolium) iodide brushes on binary-grafted polypropylene suture threads. MRS Communications, 2017, 7, 938-946.	0.8	15
126	Radiation-grafting of vinyl monomers separately onto polypropylene monofilament sutures. Radiation Physics and Chemistry, 2017, 132, 1-7.	1.4	11

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127	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.	3.3	33
128	Electrospun Fibers of Cyclodextrins and Poly(cyclodextrins). Molecules, 2017, 22, 230.	1.7	43
129	pH/redox dual-sensitive dextran nanogels for enhanced intracellular drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 117, 324-332.	2.0	46
130	Smart Polymers: Imprinting. , 2017, , 1424-1442.		0
131	Preparation of antioxidant active films based on chitosan: diffusivity study of Î±-tocopherol into food simulants. Journal of Food Science and Technology, 2016, 53, 2817-2826.	1.4	19
132	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.	2.1	60
133	Design Advances in Particulate Systems for Biomedical Applications. Advanced Healthcare Materials, 2016, 5, 1687-1723.	3.9	19
134	Biomimetic contact lenses eluting olopatadine for allergic conjunctivitis. Acta Biomaterialia, 2016, 41, 302-311.	4.1	47
135	Î±-Lipoic Acid in Soluplus Â® Polymeric Nanomicelles for Ocular Treatment of Diabetes-Associated Corneal Diseases. Journal of Pharmaceutical Sciences, 2016, 105, 2855-2863.	1.6	91
136	Stimuli-responsive polymers for antimicrobial therapy: drug targeting, contact-killing surfaces and competitive release. Expert Opinion on Drug Delivery, 2016, 13, 1109-1119.	2.4	38
137	Lysozyme immobilization onto PVC catheters grafted with NVCL and HEMA for reduction of bacterial adhesion. Radiation Physics and Chemistry, 2016, 126, 1-8.	1.4	11
138	Biocompatible polymerâ€“metalâ€“organic framework composite patches for cutaneous administration of cosmetic molecules. Journal of Materials Chemistry B, 2016, 4, 7031-7040.	2.9	34
139	HMDSO-plasma coated electrospun fibers of poly(cyclodextrin)s for antifungal dressings. International Journal of Pharmaceutics, 2016, 513, 518-527.	2.6	17
140	Oxytetracycline recovery from aqueous media using computationally designed molecularly imprinted polymers. Analytical and Bioanalytical Chemistry, 2016, 408, 6845-6856.	1.9	18
141	Low viscosity-PLGA scaffolds by compressed CO₂foaming for growth factor delivery. RSC Advances, 2016, 6, 70510-70519.	1.7	14
142	Polymeric prodrugâ¿¿functionalized polypropylene films for sustained release of salicylic acid. International Journal of Pharmaceutics, 2016, 511, 579-585.	2.6	12
143	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.	4.0	38
144	Molecularly imprinted hydrogels as functional active packaging materials. Food Chemistry, 2016, 190, 487-494.	4.2	39

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145	Magnetic Surfactants and Polymers with Gadolinium Counterions for Protein Separations. Langmuir, 2016, 32, 699-705.	1.6	39
146	Poloxamer-hydroxyethyl cellulose-Î±-cyclodextrin supramolecular gels for sustained release of griseofulvin. International Journal of Pharmaceutics, 2016, 500, 11-19.	2.6	42
147	Encapsulation of Antioxidant Gallate Derivatives in Biocompatible Poly(Îµ-caprolactone)-b-Pluronic-b-Poly(Îµ-caprolactone) Micelles. Langmuir, 2016, 32, 3331-3339.	1.6	25
148	Pharmacokinetics of cyclodextrins and drugs after oral and parenteral administration of drug/cyclodextrin complexes. Journal of Pharmacy and Pharmacology, 2016, 68, 544-555.	1.2	82
149	Growth factors delivery from hybrid PCL-starch scaffolds processed using supercritical fluid technology. Carbohydrate Polymers, 2016, 142, 282-292.	5.1	38
150	Modification of medical grade PVC with N-vinylimidazole to obtain bactericidal surface. Radiation Physics and Chemistry, 2016, 119, 37-43.	1.4	41
151	Microemulsions for Colorectal Cancer Treatments. General Considerations and Formulation of Methotrexate. Mini-Reviews in Medicinal Chemistry, 2016, 16, 498-508.	1.1	13
152	Imprinted Contact Lenses for Sustained Release of Polymyxin B and Related Antimicrobial Peptides. Journal of Pharmaceutical Sciences, 2015, 104, 3386-3394.	1.6	74
153	Patent Survey on Current Applications of Supercritical Fluid Technology in Regenerative Medicine. Recent Patents on Nanomedicine, 2015, 5, 48-58.	0.5	8
154	Glucose cryoprotectant affects glutathione-responsive antitumor drug release from polysaccharide nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 281-292.	2.0	13
155	Osteogenic poly(Îµ-caprolactone)/poloxamine homogeneous blends prepared by supercritical foaming. International Journal of Pharmaceutics, 2015, 479, 11-22.	2.6	10
156	Grafting of Nâ€vinyl caprolactam and methacrylic acid onto silicone rubber films for drugâ€eluting products. Journal of Applied Polymer Science, 2015, 132, .	1.3	10
157	Radiation-grafting of N-vinylimidazole onto silicone rubber for antimicrobial properties. Radiation Physics and Chemistry, 2015, 110, 59-66.	1.4	27
158	Processing of Materials for Regenerative Medicine Using Supercritical Fluid Technology. Bioconjugate Chemistry, 2015, 26, 1159-1171.	1.8	89
159	A novel hanging spherical drop system for the generation of cellular spheroids and high throughput combinatorial drug screening. Biomaterials Science, 2015, 3, 581-585.	2.6	70
160	Supramolecular cyclodextrin-based drug nanocarriers. Chemical Communications, 2015, 51, 6275-6289.	2.2	142
161	Polymers in Drug Delivery: Fundamentals. , 2015, , 319-339.		1
162	Superhydrophobic Surfaces as a Tool for the Fabrication of Hierarchical Spherical Polymeric Carriers. Small, 2015, 11, 3648-3652.	5.2	24

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163	Interaction of poloxamine block copolymers with lipid membranes: Role of copolymer structure and membrane cholesterol content. Colloids and Surfaces B: Biointerfaces, 2015, 133, 270-277.	2.5	14
164	Singly and binary grafted poly(vinyl chloride) urinary catheters that elute ciprofloxacin and prevent bacteria adhesion. International Journal of Pharmaceutics, 2015, 488, 20-28.	2.6	28
165	Stimuli-responsive materials in analytical separation. Analytical and Bioanalytical Chemistry, 2015, 407, 4927-4948.	1.9	50
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