Abraham Domb

List of Publications by Year
in descending order

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446 papers	25,411 citations	9264 74 h-index	10734 138 g-index
487 all docs	487 docs citations	487 times ranked	23798 citing authors

#	Article	IF	Citations
1	Chitosan Chemistry and Pharmaceutical Perspectives. Chemical Reviews, 2004, 104, 6017-6084.	47.7	2,505
2	Disorder-to-Order Phase Transition and Multiple Melting Behavior of Poly(<scp>l</scp>-lactide) Investigated by Simultaneous Measurements of WAXD and DSC. Macromolecules, 2008, 41, 1352-1357.	4.8	737
3	The controlled intravenous delivery of drugs using PEG-coated sterically stabilized nanospheres. Advanced Drug Delivery Reviews, 1995, 16, 215-233.	13.7	717
4	Selective cell transplantation using bioabsorbable artificial polymers as matrices. Journal of Pediatric Surgery, 1988, 23, 3-9.	1.6	562
5	Mechanism of the Stereocomplex Formation between Enantiomeric Poly(lactide)s. Macromolecules, 1996, 29, 191-197.	4.8	498
6	Biocompatibility and safety of PLA and its copolymers. Advanced Drug Delivery Reviews, 2016, 107, 153-162.	13.7	412
7	Antibacterial activity of dental composites containing quaternary ammonium polyethylenimine nanoparticles against Streptococcus mutans. Biomaterials, 2006, 27, 3995-4002.	11.4	409
8	Polymer carriers for drug delivery in tissue engineering. Advanced Drug Delivery Reviews, 2007, 59, 187-206.	13.7	400
9	Polyanhydrides: an overview. Advanced Drug Delivery Reviews, 2002, 54, 889-910.	13.7	372
10	Antimicrobial Polymers. Advanced Healthcare Materials, 2014, 3, 1969-1985.	7.6	344
11	Biodegradable block copolymers. Advanced Drug Delivery Reviews, 2001, 53, 23-44.	13.7	273
12	Biopolymer stereocomplexes. Advanced Drug Delivery Reviews, 2003, 55, 549-583.	13.7	264
13	PEG-coated nanospheres from amphiphilic diblock and multiblock copolymers: Investigation of their drug encapsulation and release characteristics1. Journal of Controlled Release, 1997, 46, 223-231.	9.9	255
14	Synthesis of indazole motifs and their medicinal importance: An overview. European Journal of Medicinal Chemistry, 2015, 90, 707-731.	5.5	254
15	Mutant KRAS is a druggable target for pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20723-20728.	7.1	252
16	RNAi therapy targeting KRAS in combination with chemotherapy for locally advanced pancreatic cancer patients. Oncotarget, 2015, 6, 24560-24570.	1.8	244
17	Biodegradable polymersâ€"an overview. Polymers for Advanced Technologies, 2014, 25, 427-435.	3.2	237
18	An in vitro quantitative antibacterial analysis of amalgam and composite resins. Journal of Dentistry, 2007, 35, 201-206.	4.1	229

#	Article	IF	Citations
19	Investigation of Phase Transitional Behavior of Poly(l-lactide)/Poly(d-lactide) Blend Used to Prepare the Highly-Oriented Stereocomplex. Macromolecules, 2007, 40, 1049-1054.	4.8	217
20	Polyanhydrides. I. Preparation of high molecular weight polyanhydrides. Journal of Polymer Science Part A, 1987, 25, 3373-3386.	2.3	210
21	Surface antimicrobial activity and biocompatibility of incorporated polyethylenimine nanoparticles. Biomaterials, 2008, 29, 4157-4163.	11.4	196
22	Nanotechnology for biomaterials engineering: structural characterization of amphiphilic polymeric nanoparticles by 1H NMR spectroscopy. Biomaterials, 1997, 18, 27-30.	11.4	192
23	Polymers for DNA Delivery. Molecules, 2005, 10, 34-64.	3.8	178
24	Iontophoresis: A non-invasive ocular drug delivery. Journal of Controlled Release, 2006, 110, 479-489.	9.9	175
25	Polysaccharide-Based Conjugates for Biomedical Applications. Bioconjugate Chemistry, 2015, 26, 1396-1412.	3.6	169
26	Polysaccharideâ’Oligoamine Based Conjugates for Gene Delivery. Journal of Medicinal Chemistry, 2002, 45, 1817-1824.	6.4	166
27	Polyethyleneimine nanoparticles incorporated into resin composite cause cell death and trigger biofilm stress in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22038-22043.	7.1	165
28	Dextranâ€“spermine polycation: an efficient nonviral vector for in vitro and in vivo gene transfection. Gene Therapy, 2004, 11, 194-203.	4.5	163
29	Role of polyanhydrides as localized drug carriers. Journal of Controlled Release, 2005, 103, 541-563.	9.9	158
30	Drug eluting stents: Developments and current status. Journal of Controlled Release, 2012, 161, 703-712.	9.9	156
31	Polyanhydride microspheres as drug carriers. II. Microencapsulation by solvent removal. Journal of Applied Polymer Science, 1988, 35, 755-774.	2.6	149
32	The controlled intravenous delivery of drugs using PEG-coated sterically stabilized nanospheres. Advanced Drug Delivery Reviews, 2012, 64, 316-326.	13.7	144
33	Lipoplex-induced hemagglutination: potential involvement in intravenous gene delivery. Gene Therapy, 2002, 9, 850-858.	4.5	141
34	Confirmation of DisorderÎ± Form of Poly(L-lactic acid) by the X-ray Fiber Pattern and Polarized IR/Raman Spectra Measured for Uniaxially-Oriented Samples. Macromolecular Symposia, 2006, 242, 274-278.	0.7	135
35	Streptococcus mutans biofilm changes surface-topography of resin composites. Dental Materials, 2008, 24, 732-736.	3.5	134
36	New Techniques for Drug Delivery to the Posterior Eye Segment. Pharmaceutical Research, 2010, 27, 530-543.	3.5	134

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37	Poly(lactic acid) based hydrogels. Advanced Drug Delivery Reviews, 2016, 107, 192-205.	13.7	128
38	Castor Oil-Based Biodegradable Polyesters. Biomacromolecules, 2015, 16, 2572-2587.	5.4	124
39	Ricinoleic acid-based biopolymers. , 1999, 45, 258-267.		122
40	Injectable formulations of poly(lactic acid) and its copolymers in clinical use. Advanced Drug Delivery Reviews, 2016, 107, 213-227.	13.7	122
41	Arabinogalactanâ˜Folic Acidâ˜Drug Conjugate for Targeted Delivery and Target-Activated Release of Anticancer Drugs to Folate Receptor-Overexpressing Cells. Biomacromolecules, 2010, 11, 294-303.	5.4	120
42	Nanotechnology for water purification: applications of nanotechnology methods in wastewater treatment. , 2017, , 33-74.		119
43	Biocompatibility of a Biodegradable, Controlled-Release Polymer in the Rabbit Brain. Selective Cancer Therapeutics, 1989, 5, 55-65.	0.5	118
44	Self-nano-emulsifying drug delivery systems: an update of the biopharmaceutical aspects. Expert Opinion on Drug Delivery, 2015, 12, 1121-1133.	5.0	116
45	Combination of 3D tissue engineered scaffold and non-viral gene carrier enhance in vitro DNA expression of mesenchymal stem cells. Biomaterials, 2006, 27, 4269-4278.	11.4	111
46	PLLA Mesophase and Its Phase Transition Behavior in the PLLAâ˜PEGâ˜PLLA Copolymer As Revealed by Infrared Spectroscopy. Macromolecules, 2010, 43, 4240-4246.	4.8	111
47	Bioerodible polyanhydrides for antibiotic drug delivery: In vivo osteomyelitis treatment in a rat model system. Journal of Orthopaedic Research, 1993, 11, 256-262.	2.3	109
48	Antibacterial effect of composite resins containing quaternary ammonium polyethyleneimine nanoparticles. Journal of Nanoparticle Research, 2010, 12, 591-603.	1.9	109
49	Co-delivery of rapamycin- and piperine-loaded polymeric nanoparticles for breast cancer treatment. Drug Delivery, 2016, 23, 2608-2616.	5.7	108
50	Overview on natural hydrophilic polysaccharide polymers in drug delivery. Polymers for Advanced Technologies, 2018, 29, 2564-2573.	3.2	107
51	Cationic Polysaccharides for Gene Delivery. Macromolecules, 2002, 35, 9947-9953.	4.8	105
52	Polysaccharide gene transfection agents. Acta Biomaterialia, 2012, 8, 4224-4232.	8.3	105
53	Absorbable biopolymers derived from dimer fatty acids. Journal of Polymer Science Part A, 1993, 31, 1275-1285.	2.3	103
54	Delivery of Gentamicin to the Rabbit Eye by Drug-Loaded Hydrogel Iontophoresis. , 2004, 45, 2543.		102

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55	Tacrolimus and curcumin co-loaded liposphere gel: Synergistic combination towards management of psoriasis. Journal of Controlled Release, 2016, 243, 132-145.	9.9	98
56	Hydrophobized dextran-spermine conjugate as potential vector for in vitro gene transfection. Journal of Controlled Release, 2004, 96, 309-323.	9.9	95
57	Interstitial delivery of carboplatin via biodegradable Polymers is effective against experimental glioma in the rat. Cancer Chemotherapy and Pharmacology, 1996, 39, 90-96.	2.3	94
58	Gentamicin extended release from an injectable polymeric implant. Journal of Controlled Release, 2007, 117, 90-96.	9.9	94
59	Poly(anhydrides). 3. Poly(anhydrides) based on aliphatic-aromatic diacids. Macromolecules, 1989, 22, 3200-3204.	4.8	93
60	Poly(ester anhydride)s prepared by the insertion of ricinoleic acid into poly(sebacic acid). Journal of Polymer Science Part A, 2003, 41, 1059-1069.	2.3	93
61	Surface Analysis of Biodegradable Polymer Blends of Poly(sebacic anhydride) and Poly(dl-lactic acid). Macromolecules, 1996, 29, 2205-2212.	4.8	92
62	A Novel Injectable Water-Soluble Amphotericin B-Arabinogalactan Conjugate. Antimicrobial Agents and Chemotherapy, 1999, 43, 1975-1981.	3.2	92
63	Biodegradable Injectable In Situ Depot-Forming Drug Delivery Systems. Macromolecular Bioscience, 2006, 6, 977-990.	4.1	92
64	Current Developments in Gene Transfection Agents. Current Drug Delivery, 2004, 1, 165-193.	1.6	92
65	Biodegradable polymers for targeted delivery of anti-cancer drugs. Expert Opinion on Drug Delivery, 2016, 13, 891-909.	5.0	91
66	Surface Characterization and Biocompatibility of Restorative Resin Containing Nanoparticles. Biomacromolecules, 2008, 9, 3044-3050.	5.4	89
67	Noninvasive in Vivo Monitoring of Drug Release and Polymer Erosion from Biodegradable Polymers by EPR Spectroscopy and NMR Imaging. Journal of Pharmaceutical Sciences, 1997, 86, 126-134.	3.3	87
68	Impact of Aldehyde Content on Amphotericin Bâ^'Dextran Imine Conjugate Toxicity. Biomacromolecules, 2006, 7, 1529-1535.	5.4	85
69	Synthesis and characterization of novel water soluble amphotericin Bâ€“arabinogalactan conjugates. Biomaterials, 2002, 23, 1327-1335.	11.4	84
70	Improved Oral Bioavailability of BCS Class 2 Compounds by Self Nano-Emulsifying Drug Delivery Systems (SNEDDS): The Underlying Mechanisms for Amiodarone and Talinolol. Pharmaceutical Research, 2013, 30, 3029-3044.	3.5	82
71	Ectopic induction of cartilage and bone by water-soluble proteins from bovine bone using a polyanhydride delivery vehicle. Journal of Biomedical Materials Research Part B, 1990, 24, 901-911.	3.1	81
72	Effectiveness of controlled release of a cyclophosphamide derivative with polymers against rat gliomas. Journal of Neurosurgery, 1995, 82, 481-486.	1.6	81

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73	Poly(anhydride) administration in high dosesin vivo: Studies of biocompatibility and toxicology. Journal of Biomedical Materials Research Part B, 1990, 24, 1463-1481.	3.1	80
74	Erosion of a new family of biodegradable polyanhydrides. Journal of Biomedical Materials Research Part B, 1994, 28, 1465-1475.	3.1	79
75	Preparation and Characterization ofn-Alkanoic Acid Self-Assembled Monolayers Adsorbed on 316L Stainless Steel. Langmuir, 2004, 20, 7499-7506.	3.5	79
76	Bioactive acetylenic metabolites. Phytomedicine, 2013, 20, 1145-1159.	5.3	79
77	Poly(sebacic acid-co-ricinoleic acid) biodegradable carrier for paclitaxel:In vitro release andin vivo toxicity. Journal of Biomedical Materials Research Part B, 2004, 69A, 47-54.	3.1	78
78	Chemical and Morphological Analysis of Surface Enrichment in a Biodegradable Polymer Blend by Phase-Detection Imaging Atomic Force Microscopy. Macromolecules, 1998, 31, 2278-2283.	4.8	77
79	Lipospheres and pro-nano lipospheres for delivery of poorly water soluble compounds. Chemistry and Physics of Lipids, 2012, 165, 438-453.	3.2	77
80	Piperine-pro-nanolipospheres as a novel oral delivery system of cannabinoids: Pharmacokinetic evaluation in healthy volunteers in comparison to buccal spray administration. Journal of Controlled Release, 2017, 266, 1-7.	9.9	77
81	Nanomaterials for regenerative medicine. Nanomedicine, 2011, 6, 157-181.	3.3	76
82	Attenuation of Kindled Seizures by Intranasal Delivery of Neuropeptide-Loaded Nanoparticles. Neurotherapeutics, 2009, 6, 359-371.	4.4	75
83	The effect of Pro NanoLipospheres (PNL) formulation containing natural absorption enhancers on the oral bioavailability of delta-9-tetrahydrocannabinol (THC) and cannabidiol (CBD) in a rat model. European Journal of Pharmaceutical Sciences, 2017, 109, 21-30.	4.0	75
84	Biodegradable bone cement compositions based on acrylate and epoxide terminated poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	11.4	74
85	Stereocomplexes of Enantiomeric Lactic Acid and Sebacic Acid Esterâ^'Anhydride Triblock Copolymers. Biomacromolecules, 2002, 3, 754-760.	5.4	74
86	Cyclosporin Nanoparticulate Lipospheres for Oral Administration. Journal of Pharmaceutical Sciences, 2004, 93, 1264-1270.	3.3	74
87	Polyanhydrides. IV. Unsaturated and crosslinked polyanhydrides. Journal of Polymer Science Part A, 1991, 29, 571-579.	2.3	73
88	Novel dextranâ€"spermine conjugates as transfecting agents: comparing water-soluble and micellar polymers. Gene Therapy, 2005, 12, 494-503.	4.5	73
89	Macrolactones and Polyesters from Ricinoleic Acid. Biomacromolecules, 2005, 6, 1679-1688.	5.4	72
90	Charged nanoparticles delivery to the eye using hydrogel iontophoresis. Journal of Controlled Release, 2008, 126, 156-161.	9.9	72

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91	Transcorneal and transscleral iontophoresis of dexamethasone phosphate using drug loaded hydrogel. Journal of Controlled Release, 2005, 106, 386-390.	9.9	71
92	Lactic Acid and Ricinoleic Acid Based Copolyesters. Macromolecules, 2005, 38, 5545-5553.	4.8	71
93	Long acting local anestheticâ€“polymer formulation to prolong the effect of analgesia. Journal of Controlled Release, 2007, 117, 97-103.	9.9	70
94	PTL401, a New Formulation Based on Pro-Nano Dispersion Technology, Improves Oral Cannabinoids Bioavailability in Healthy Volunteers. Journal of Pharmaceutical Sciences, 2018, 107, 1423-1429.	3.3	70
95	Poly(N-acryl amino acids):Â A New Class of Biologically Active Polyanions. Journal of Medicinal Chemistry, 2000, 43, 2591-2600.	6.4	69
96	Poly(sebacic acid-co-ricinoleic acid) Biodegradable Injectable in Situ Gelling Polymer. Biomacromolecules, 2006, 7, 288-296.	5.4	69
97	Antibacterial dental resin composites. Reactive and Functional Polymers, 2014, 75, 81-88.	4.1	69
98	Quaternary Ammonium Polyethyleneimine: Antibacterial Activity. Journal of Nanomaterials, 2010, 2010, 1-11.	2.7	68
99	Fatty Acid Based Biodegradable Polymer. Polymer Reviews, 2008, 48, 156-191.	10.9	67
100	Polyanhydrides: Synthesis and characterization. Advances in Polymer Science, 1993, , 93-141.	0.8	64
101	Recent Advances in Polyanhydride Based Biomaterials. Advanced Materials, 2018, 30, e1706815.	21.0	64
102	Biodegradable wafers releasing Temozolomide and Carmustine for the treatment of brain cancer. Journal of Controlled Release, 2019, 295, 93-101.	9.9	64
103	Solid-state and solution stability of poly(anhydrides) and poly(esters). Macromolecules, 1989, 22, 2117-2122.	4.8	62
104	Exploiting EPR in Polymer Drug Conjugate Delivery for Tumor Targeting. Current Pharmaceutical Design, 2006, 12, 4785-4796.	1.9	62
105	The effect of medium chain and long chain triglycerides incorporated in self-nano emulsifying drug delivery systems on oral absorption of cannabinoids in rats. International Journal of Pharmaceutics, 2020, 580, 119201.	5.2	62
106	In vivo and in vitro elimination of aliphatic polyanhydrides. Biomaterials, 1995, 16, 319-323.	11.4	60
107	Poly(anhydrides). 2. One-step polymerization using phosgene or diphosgene as coupling agents. Macromolecules, 1988, 21, 1925-1929.	4.8	58
108	Degradable polymer blends. I. Screening of miscible polymers. Journal of Polymer Science Part A, 1993, 31, 1973-1981.	2.3	58

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109	Functional polymeric nerve guidance conduits and drug delivery strategies for peripheral nerve repair and regeneration. Journal of Controlled Release, 2020, 317, 78-95.	9.9	58
110	The synthesis of poly(hydroxamic acid) from poly(acrylamide). Journal of Polymer Science Part A, 1988, 26, 2623-2630.	2.3	57
111	Long acting injectable oxytetracycline-liposphere formulations. International Journal of Pharmaceutics, 1995, 124, 271-278.	5.2	56
112	Protein and peptide parenteral controlled delivery. Expert Opinion on Biological Therapy, 2004, 4, 1203-1212.	3.1	56
113	Biodegradable Polymers Derived From Amino Acids. Macromolecular Bioscience, 2011, 11, 1625-1636.	4.1	56
114	Toxicity Mechanisms of Amphotericin B and Its Neutralization by Conjugation with Arabinogalactan. Antimicrobial Agents and Chemotherapy, 2012, 56, 5603-5611.	3.2	56
115	A contemporary review on â€“ polymer stereocomplexes and its biomedical application. European Journal of Nanomedicine, 2013, 5, .	0.6	56
116	NMR characterization of erodible copolymers. Macromolecules, 1991, 24, 2278-2282.	4.8	55
117	Synthesis and characterization of biodegradable aromatic anhydride copolymers. Macromolecules, 1992, 25, 12-17.	4.8	54
118	Liposphere local anesthetic timed-release for perineural site application. , 1998, 15, 1038-1045.		54
119	Efficacious Treatment of Experimental Leishmaniasis with Amphotericin B-Arabinogalactan Water-Soluble Derivatives. Antimicrobial Agents and Chemotherapy, 1999, 43, 2209-2214.	3.2	54
120	Preclinical Safety Evaluation in Rats of a Polymeric Matrix Containing an siRNA Drug Used as a Local and Prolonged Delivery System for Pancreatic Cancer Therapy. Toxicologic Pathology, 2016, 44, 856-865.	1.8	54
121	Biodegradable polymers derived from natural fatty acids. Journal of Polymer Science Part A, 1995, 33, 717-725.	2.3	53
122	Fatty acid terminated polyanhydrides. , 1999, 37, 3337-3344.		53
123	Characterization and in vivo performance of dextranâ€“spermine polyplexes and DOTAP/cholesterol lipoplexes administered locally and systemically. Biomaterials, 2007, 28, 2339-2349.	11.4	53
124	Review of prolonged local anesthetic action. Expert Opinion on Drug Delivery, 2010, 7, 737-752.	5.0	53
125	Preparation and characterization of carmustine loaded polyanhydride wafers for treating brain tumors. Pharmaceutical Research, 1999, 16, 762-765.	3.5	52
126	Stereocomplexes based on poly(lactic acid) and insulin: formulation and release studies. Biomaterials, 2002, 23, 4389-4396.	11.4	52

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127	Cationic polysaccharides for gene delivery. Materials Science and Engineering C, 2007, 27, 595-598.	7.3	52
128	Poly(lactic acid)â€based nanocomposites. Polymers for Advanced Technologies, 2017, 28, 919-930.	3.2	52
129	Nonlinear Fatty Acid Terminated Polyanhydrides. Biomacromolecules, 2001, 2, 37-44.	5.4	50
130	Polymers in gene therapy technology. Polymers for Advanced Technologies, 2015, 26, 198-211.	3.2	50
131	PEG-PLA Block Copolymer as Potential Drug Carrier: Preparation and Characterization. Macromolecular Bioscience, 2006, 6, 1019-1025.	4.1	49
132	Brain biocompatibility of a biodegradable controlled release polymer consisting of anhydride copolymer of fatty acid dimer and sebacic acid. Journal of Controlled Release, 1992, 19, 325-329.	9.9	48
133	In vitro/in vivo comparison of drug release and polymer erosion from biodegradable P(FAD-SA) polyanhydrides--a noninvasive approach by the combined use of electron paramagnetic resonance spectroscopy and nuclear magnetic resonance imaging. Pharmaceutical Research, 1997, 14, 820-826.	3.5	48
134	Culturing neuronal cells on surfaces coated by a novel polyethyleneimine-based polymer. Brain Research Protocols, 2000, 5, 282-289.	1.6	48
135	Implantable Medical Devices. Advances in Delivery Science and Technology, 2014, , 33-59.	0.4	48
136	Perivascular delivery of heparin for the reduction of smooth muscle cell proliferation after endothelial injury. Journal of Controlled Release, 1999, 60, 129-142.	9.9	47
137	Nanoencapsulation of a crystalline drug. International Journal of Pharmaceutics, 2005, 298, 323-327.	5.2	47
138	Quaternary Ammonium Polysaccharides for Gene Delivery. Bioconjugate Chemistry, 2005, 16, 1196-1203.	3.6	47
139	Poly(methyl methacrylate) Grafting onto Stainless Steel Surfaces: Application to Drug-Eluting Stents. ACS Applied Materials & Interfaces, 2009, 1, 2519-2528.	8.0	47
140	Non-destructive and localized assessment of acidic microenvironments inside biodegradable polyanhydrides by spectral spatial electron paramagnetic resonance imaging. Polymer, 1997, 38, 4785-4794.	3.8	46
141	Reduction in dermal fibrosis in the tight-skin (Tsk) mouse after local application of halofuginone. Biochemical Pharmacology, 2001, 62, 1221-1227.	4.4	46
142	Biodegradable Polyesters Derived from Amino Acids. Macromolecules, 2009, 42, 4520-4530.	4.8	46
143	Effect of PLGA block molecular weight on gelling temperature of PLGAâ€PEGâ€PLGA thermoresponsive copolymers. Journal of Polymer Science Part A, 2019, 57, 35-39.	2.3	46
144	Metabolic disposition and elimination studies of a radiolabelled biodegradable polymeric implant in the rat brain. Biomaterials, 1994, 15, 681-688.	11.4	45

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145	Excretion of a radiolabelled anticancer biodegradable polymeric implant from the rabbit brain. Biomaterials, 1995, 16, 1069-1072.	11.4	45
146	Prolonged seizure suppression by a single implantable polymeric-TRH microdisk preparation. Brain Research, 1998, 809, 189-197.	2.2	45
147	In Situ Atomic Force Microscopy Visualization of the Degradation of Melt-Crystallized Poly(sebacic) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	44
148	Stereocomplexes of Aâ^'Bâ^'A Triblock Copolymers Based on Poly(l-Lactide) and Poly(d-Lactide) A Blocks. Macromolecules, 2005, 38, 7018-7025.	4.8	44
149	New Formulations and Derivatives of Amphotericin B for Treatment of Leishmaniasis. Mini-Reviews in Medicinal Chemistry, 2006, 6, 153-162.	2.4	44
150	Evaluation of drugâ€eluting stents' coating durabilityâ€"Clinical and regulatory implications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 441-451.	3.4	44
151	Biodegradable inflatable balloon for reducing radiation adverse effects in prostate cancer. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 855-867.	3.4	44
152	Development of 3D in vitro platform technology to engineer mesenchymal stem cells. International Journal of Nanomedicine, 2012, 7, 3035.	6.7	44
153	Anti-biofilm properties of wound dressing incorporating nonrelease polycationic antimicrobials. Biomaterials, 2015, 46, 141-148.	11.4	44
154	Long-term Local and Systemic Safety of Poly(<scp>l</scp>-lactide-co-epsilon-caprolactone) after Subcutaneous and Intra-articular Implantation in Rats. Toxicologic Pathology, 2015, 43, 1127-1140.	1.8	44
155	Mucoadhesive Polymers for Delivery of Drugs to the Oral Cavity. Recent Patents on Drug Delivery and Formulation, 2008, 2, 108-119.	2.1	44
156	Conjugation of amino-containing drugs to polysaccharides by tosylation: amphotericin Bâ€"arabinogalactan conjugates. Biomaterials, 2004, 25, 3049-3057.	11.4	43
157	Preparation of New Î±-Hydroxy Acids Derived from Amino Acids and Their Corresponding Polyesters. Macromolecules, 2008, 41, 7259-7263.	4.8	43
158	In situ Atomic Force Microscopy Imaging of Polymer Degradation in an Aqueous Environment. Langmuir, 1994, 10, 4417-4419.	3.5	42
159	Iontophoresisâ€"gentamicin delivery into the rabbit cornea, using a hydrogel delivery probe. Experimental Eye Research, 2004, 78, 745-749.	2.6	42
160	Biodegradable polymers derived from amino acids. Biomaterials, 1990, 11, 686-689.	11.4	41
161	Relationships between chemical composition, physical properties and transfection efficiency of polysaccharideâ€"spermine conjugates. Biomaterials, 2006, 27, 1646-1655.	11.4	41
162	Hydrogel probe for iontophoresis drug delivery to the eye. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 397-413.	3.5	40

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163	Paclitaxel tumor biodistribution and efficacy after intratumoral injection of a biodegradable extended release implant. International Journal of Pharmaceutics, 2008, 358, 114-120.	5.2	40
164	Oral malodor reduction by a palatal mucoadhesive tablet containing herbal formulation. Journal of Dentistry, 2008, 36, 535-539.	4.1	40
165	Poly(Î±-hydroxy acid)s and poly(Î±-hydroxy acid-co-Î±-amino acid)s derived from amino acid. Advanced Drug Delivery Reviews, 2016, 107, 82-96.	13.7	40
166	Molecular weight changes in polymer erosion. Pharmaceutical Research, 1992, 09, 1279-1283.	3.5	39
167	Drug release from a new family of biodegradable polyanhydrides. Journal of Controlled Release, 1994, 29, 73-82.	9.9	39
168	Dextran-spermine conjugate: an efficient vector for gene delivery. Macromolecular Symposia, 2003, 195, 247-262.	0.7	39
169	Poly(sebacic acid-co-ricinoleic acid) biodegradable carrier for paclitaxelâ€"effect of additives. Journal of Controlled Release, 2005, 105, 52-67.	9.9	39
170	Methotrexate Delivery to the Eye Using Transscleral Hydrogel Iontophoresis. Current Eye Research, 2007, 32, 639-646.	1.5	39
171	Thyrotropin-releasing hormone d,l polylactide nanoparticles (TRH-NPs) protect against glutamate toxicity in vitro and kindling development in vivo. Brain Research, 2009, 1303, 151-160.	2.2	39
172	Extended release formulations for local anaesthetic agents. Anaesthesia, 2012, 67, 906-916.	3.8	39
173	Relating the phase morphology of a biodegradable polymer blend to erosion kinetics using simultaneous in situ atomic force microscopy and surface plasmon resonance analysis. Langmuir, 1995, 11, 3921-3927.	3.5	38
174	Gamma-sterilization-induced radicals in biodegradable drug delivery systems. Applied Radiation and Isotopes, 1996, 47, 1669-1674.	1.5	38
175	Dextranâ€"spermine-based polyplexesâ€"Evaluation of transgene expression and of local and systemic toxicity in mice. Biomaterials, 2006, 27, 1636-1645.	11.4	38
176	Methylprednisolone Delivery to the Back of the Eye using Hydrogel Iontophoresis. Journal of Ocular Pharmacology and Therapeutics, 2008, 24, 344-350.	1.4	38
177	Gene Transfer into the Lung by Nanoparticle Dextran-Spermine/Plasmid DNA Complexes. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-10.	3.0	38
178	Lactic and Ricinoleic Acid Based Copolyesters Stereocomplexation. Macromolecules, 2005, 38, 5634-5639.	4.8	37
179	Treatment of osteomyelitis in rats by injection of degradable polymer releasing gentamicin. Journal of Controlled Release, 2008, 131, 121-127.	9.9	37
180	Carrier free rapamycin loaded drug eluting stent: In vitro and in vivo evaluation. Journal of Controlled Release, 2013, 168, 70-76.	9.9	37

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