

Daniel S Kohane

List of Publications by Year in Descending Order

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

172
papers

15,244
citations

56
h-index

122
g-index

180
ext. papers

16,865
ext. citations

10.7
avg. IF

6.94
L-index

#	Paper	IF	Citations
172	Prolonged Retrobulbar Local Anesthesia of the Cornea Does Not Cause Keratopathy in Mice.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 33	3.3	0
171	A novel, sensitive, and widely accessible besifloxacin quantification method by HPLC-fluorescence: Application to an ocular pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1185, 123010	3.2	0
170	Drug Delivery across Barriers to the Middle and Inner Ear. <i>Advanced Functional Materials</i> , 2021 , 31, 20087016	10.6	4
169	Synergy in Nanomedicine: What It Is Not, and What It Might Be. <i>Nano Letters</i> , 2021 , 21, 5457-5460	11.5	1
168	Permeation of polyethylene glycols across the tympanic membrane. <i>Giant</i> , 2021 , 6, 100057-100057	5.6	1
167	Targeting Nanoparticles to Bioengineered Human Vascular Networks. <i>Nano Letters</i> , 2021 , 21, 6609-6616	11.5	1
166	Enhancement of the Mechanical and Drug-Releasing Properties of Poloxamer 407 Hydrogels with Casein. <i>Pharmaceutical Research</i> , 2021 , 38, 515-522	4.5	9
165	Initial Method for Characterization of Tympanic Membrane Drug Permeability in Human Temporal Bones. <i>Frontiers in Neurology</i> , 2021 , 12, 580392	4.1	2
164	Dexamethasone-Eluting Contact Lens for the Prevention of Postphotorefractive Keratectomy Scar in a New Zealand White Rabbit Model. <i>Cornea</i> , 2021 , 40, 1175-1180	3.1	0
163	Modular ketal-linked prodrugs and biomaterials enabled by organocatalytic transisopropenylation of alcohols. <i>Nature Communications</i> , 2021 , 12, 5532	17.4	3
162	Delivery of local anaesthetics by a self-assembled supramolecular system mimicking their interactions with a sodium channel. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1099-1109	19	2
161	Light-triggered release of conventional local anesthetics from a macromolecular prodrug for on-demand local anesthesia. <i>Nature Communications</i> , 2020 , 11, 2323	17.4	19
160	Dually Enzyme- and Acid-Triggered Self-Immolative Ketal Glycoside Nanoparticles for Effective Cancer Prodrug Monotherapy. <i>Nano Letters</i> , 2020 , 20, 5465-5472	11.5	20
159	Synthesis of Poly(acyclic orthoester)s: Acid-Sensitive Biomaterials for Enhancing Immune Responses of Protein Vaccine. <i>Angewandte Chemie</i> , 2020 , 132, 7302-7306	3.6	2
158	Synthesis of Poly(acyclic orthoester)s: Acid-Sensitive Biomaterials for Enhancing Immune Responses of Protein Vaccine. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7235-7239	16.4	8
157	Functionalized Multiarmed Polycaprolactones as Biocompatible Tissue Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17314-17320	9.5	12
156	Steroid-eluting contact lenses for corneal and intraocular inflammation. <i>Acta Biomaterialia</i> , 2020 , 116, 149-161	10.8	17

155	Microparticles 2020 , 431-451		0
154	Hot Glue Gun Releasing Biocompatible Tissue Adhesive. <i>Advanced Functional Materials</i> , 2020 , 30, 1900998	3.6	25
153	Local anesthesia enhanced with increasing high-frequency ultrasound intensity. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 1507-1516	6.2	3
152	Nanoscale systems for local drug delivery. <i>Nano Today</i> , 2019 , 28, 100765-100765	17.9	26
151	Topical sustained drug delivery to the retina with a drug-eluting contact lens. <i>Biomaterials</i> , 2019 , 217, 119285	15.6	47
150	Polymer-tetrodotoxin conjugates to induce prolonged duration local anesthesia with minimal toxicity. <i>Nature Communications</i> , 2019 , 10, 2566	17.4	22
149	Reprogramming the microenvironment with tumor-selective angiotensin blockers enhances cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10674-10680	11.5	89
148	Transtympanic Delivery of Local Anesthetics for Pain in Acute Otitis Media. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1555-1562	5.6	9
147	A Simple, Yet Multifunctional, Nanoformulation for Eradicating Tumors and Preventing Recurrence with Safely Low Administration Dose. <i>Nano Letters</i> , 2019 , 19, 5515-5523	11.5	19
146	Transcytosis of Nanomedicine for Tumor Penetration. <i>Nano Letters</i> , 2019 , 19, 8010-8020	11.5	39
145	The Duration of Nerve Block from Local Anesthetic Formulations in Male and Female Rats. <i>Pharmaceutical Research</i> , 2019 , 36, 179	4.5	0
144	Prolonged Duration Topical Corneal Anesthesia With the Cationic Lidocaine Derivative QX-314. <i>Translational Vision Science and Technology</i> , 2019 , 8, 28	3.3	2
143	Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. <i>Nature Communications</i> , 2019 , 10, 804	17.4	39
142	Prolonged Duration Local Anesthesia by Combined Delivery of Capsaicin- and Tetrodotoxin-Loaded Liposomes. <i>Anesthesia and Analgesia</i> , 2019 , 129, 709-717	3.9	11
141	Nanoscale Bupivacaine Formulations To Enhance the Duration and Safety of Intravenous Regional Anesthesia. <i>ACS Nano</i> , 2019 , 13, 18-25	16.7	16
140	High-frequency, low-intensity ultrasound and microbubbles enhance nerve blockade. <i>Journal of Controlled Release</i> , 2018 , 276, 150-156	11.7	6
139	BaTiO ₂ -core Au-shell nanoparticles for photothermal therapy and bimodal imaging. <i>Acta Biomaterialia</i> , 2018 , 72, 287-294	10.8	14
138	Synergy between chemical permeation enhancers and drug permeation across the tympanic membrane. <i>Journal of Controlled Release</i> , 2018 , 289, 94-101	11.7	11

137	Predicting the tissue depth for remote triggering of drug delivery systems. <i>Journal of Controlled Release</i> , 2018 , 286, 55-63	11.7	6
136	Long-acting liposomal corneal anesthetics. <i>Biomaterials</i> , 2018 , 181, 372-377	15.6	14
135	Treatment of Streptococcus pneumoniae otitis media in a chinchilla model by transtympanic delivery of antibiotics. <i>JCI Insight</i> , 2018 , 3,	9.9	18
134	Hollow Silica Nanoparticles Penetrate the Peripheral Nerve and Enhance the Nerve Blockade from Tetrodotoxin. <i>Nano Letters</i> , 2018 , 18, 32-37	11.5	20
133	Prolonged Duration Local Anesthesia Using Liposomal Bupivacaine Combined With Liposomal Dexamethasone and Dexmedetomidine. <i>Anesthesia and Analgesia</i> , 2018 , 126, 1170-1175	3.9	17
132	PLGA-encapsulation of the Pseudomonas aeruginosa PopB vaccine antigen improves Th17 responses and confers protection against experimental acute pneumonia. <i>Vaccine</i> , 2018 , 36, 6926-6932	4.1	18
131	Ultrasensitive Phototriggered Local Anesthesia. <i>Nano Letters</i> , 2017 , 17, 660-665	11.5	44
130	Multiply repeatable and adjustable on-demand phototriggered local anesthesia. <i>Journal of Controlled Release</i> , 2017 , 251, 68-74	11.7	23
129	Strong tissue glue with tunable elasticity. <i>Acta Biomaterialia</i> , 2017 , 53, 93-99	10.8	26
128	Combination Clearance Therapy and Barbiturate Coma for Severe Carbamazepine Overdose. <i>Pediatrics</i> , 2017 , 139,	7.4	6
127	External triggering and triggered targeting strategies for drug delivery. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	222
126	Tetrodotoxin, Epinephrine, and Chemical Permeation Enhancer Combinations in Peripheral Nerve Blockade. <i>Anesthesia and Analgesia</i> , 2017 , 124, 1804-1812	3.9	14
125	Drug delivery systems for prolonged duration local anesthesia. <i>Materials Today</i> , 2017 , 20, 22-31	21.8	56
124	Enhanced Triggering of Local Anesthetic Particles by Photosensitization and Photothermal Effect Using a Common Wavelength. <i>Nano Letters</i> , 2017 , 17, 7138-7145	11.5	18
123	Ultrasound-triggered local anaesthesia. <i>Nature Biomedical Engineering</i> , 2017 , 1, 644-653	19	65
122	Getting Drugs Across Biological Barriers. <i>Advanced Materials</i> , 2017 , 29, 1606596	24	97
121	Light-Emitting Photon-Upconversion Nanoparticles in the Generation of Transdermal Reactive-Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41737-41747	9.5	12
120	Phototriggered Drug Delivery Using Inorganic Nanomaterials. <i>Bioconjugate Chemistry</i> , 2017 , 28, 98-104	6.3	46

119	Latanoprost-Eluting Contact Lenses in Glaucomatous Monkeys. <i>Ophthalmology</i> , 2016 , 123, 2085-92	7.3	48
118	Treatment of otitis media by transtympanic delivery of antibiotics. <i>Science Translational Medicine</i> , 2016 , 8, 356ra120	17.5	40
117	RNA therapeutics - The potential treatment for myocardial infarction. <i>Regenerative Therapy</i> , 2016 , 4, 83-91	3.7	2
116	Enhanced Precision of Nanoparticle Phototargeting in Vivo at a Safe Irradiance. <i>Nano Letters</i> , 2016 , 16, 4516-20	11.5	42
115	Phototriggered Local Anesthesia. <i>Nano Letters</i> , 2016 , 16, 177-81	11.5	64
114	New Strategies in Cancer Nanomedicine. <i>Annual Review of Pharmacology and Toxicology</i> , 2016 , 56, 41-57	17.9	84
113	Self-assembled gemcitabine-gadolinium nanoparticles for magnetic resonance imaging and cancer therapy. <i>Acta Biomaterialia</i> , 2016 , 33, 34-9	10.8	39
112	Selective binding of C-6 OH sulfated hyaluronic acid to the angiogenic isoform of VEGF(165). <i>Biomaterials</i> , 2016 , 77, 130-138	15.6	29
111	Incorporation of heparin-binding proteins into preformed dextran sulfate-chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6149-6159	7.3	9
110	Core-Shell Nanostars for Multimodal Therapy and Imaging. <i>Theranostics</i> , 2016 , 6, 2306-2313	12.1	26
109	Titanium Coating of the Boston Keratoprosthesis. <i>Translational Vision Science and Technology</i> , 2016 , 5, 17	3.3	24
108	A Supramolecular Shear-Thinning Anti-Inflammatory Steroid Hydrogel. <i>Advanced Materials</i> , 2016 , 28, 6680-6	24	30
107	Drug delivery, biomaterials and nanomedicine: an interview with Daniel S Kohane. <i>Future Science OA</i> , 2016 , 2, FSO138	2.7	
106	Extended Release of Native Drug Conjugated in Polyketal Microparticles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6127-30	16.4	37
105	Light-controlled nanoparticulate drug delivery systems 2015 , 393-413		1
104	Ultraviolet light-mediated drug delivery: Principles, applications, and challenges. <i>Journal of Controlled Release</i> , 2015 , 219, 31-42	11.7	108
103	Efficient Triplet-Triplet Annihilation-Based Upconversion for Nanoparticle Phototargeting. <i>Nano Letters</i> , 2015 , 15, 6332-8	11.5	81
102	Photoresponsive nanoparticles for drug delivery. <i>Nano Today</i> , 2015 , 10, 451-467	17.9	194

101	NIR-triggered drug delivery by collagen-mediated second harmonic generation. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1159-63	10.1	19
100	Preparation and characterization of SDF-1β-chitosan-dextran sulfate nanoparticles. <i>Journal of Visualized Experiments</i> , 2015 , 52323	1.6	5
99	Corneal Anesthesia With Site 1 Sodium Channel Blockers and Dexmedetomidine 2015 , 56, 3820-6		17
98	Repeatable and adjustable on-demand sciatic nerve block with phototriggerable liposomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15719-24	11.5	74
97	Incorporation of SDF-1β into Pre-formed Dextran Sulfate and Chitosan Nanoparticles. <i>FASEB Journal</i> , 2015 , 29, LB645	0.9	
96	Near-infrared-actuated devices for remotely controlled drug delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1349-54	11.5	157
95	In vivo performance of a drug-eluting contact lens to treat glaucoma for a month. <i>Biomaterials</i> , 2014 , 35, 432-9	15.6	122
94	Aptamer photoregulation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17099-103	11.5	50
93	Multivesicular liposomal bupivacaine at the sciatic nerve. <i>Biomaterials</i> , 2014 , 35, 4557-64	15.6	86
92	Photothermally targeted thermosensitive polymer-masked nanoparticles. <i>Nano Letters</i> , 2014 , 14, 3697-7015	11.5	71
91	Prevention of peritoneal adhesions using polymeric rheological blends. <i>Acta Biomaterialia</i> , 2014 , 10, 1187-93	10.8	16
90	Clinicians' perspectives on the use of drug-eluting contact lenses for the treatment of glaucoma. <i>Therapeutic Delivery</i> , 2014 , 5, 1077-83	3.8	13
89	Photoactive electrospun fibers for inducing cell death. <i>Advanced Healthcare Materials</i> , 2014 , 3, 494-9	10.1	6
88	Prolonged Duration Local Anesthesia. <i>Advances in Delivery Science and Technology</i> , 2014 , 653-677		4
87	Enhanced photothermal effect of plasmonic nanoparticles coated with reduced graphene oxide. <i>Nano Letters</i> , 2013 , 13, 4075-9	11.5	232
86	Long-lasting antifouling coating from multi-armed polymer. <i>Langmuir</i> , 2013 , 29, 10087-94	4	46
85	Drug-Delivery Systems for Tunable and Localized Drug Release. <i>Israel Journal of Chemistry</i> , 2013 , 53, n/a-n/a	3.4	2
84	A photo-triggered layered surface coating producing reactive oxygen species. <i>Biomaterials</i> , 2013 , 34, 9763-9	15.6	11

83	A Stiff Injectable Biodegradable Elastomer. <i>Advanced Functional Materials</i> , 2013 , 23, 1527-1533	15.6	44
82	Microdevices for nanomedicine. <i>Molecular Pharmaceutics</i> , 2013 , 10, 2127-44	5.6	20
81	Formulations for trans-tympanic antibiotic delivery. <i>Biomaterials</i> , 2013 , 34, 1281-8	15.6	43
80	Controlled-release systems in neuropathic pain. <i>Pain Management</i> , 2013 , 3, 91-3	2.3	4
79	Photoswitchable nanoparticles for in vivo cancer chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19048-53	11.5	176
78	Local toxicity from local anesthetic polymeric microparticles. <i>Anesthesia and Analgesia</i> , 2013 , 116, 794-803	4.6	46
77	Topical drug formulations for prolonged corneal anesthesia. <i>Cornea</i> , 2013 , 32, 1040-5	3.1	20
76	SDF-1 alpha Nanoglycan Complexes Exhibit Extended Retention Time and Beneficial Effect in Pulmonary Hypertension. <i>FASEB Journal</i> , 2013 , 27, 1217.34	0.9	
75	Toxicogenomic analysis of a sustained release local anesthetic delivery system. <i>Biomaterials</i> , 2012 , 33, 3586-93	15.6	8
74	Electrospun drug-eluting sutures for local anesthesia. <i>Journal of Controlled Release</i> , 2012 , 161, 903-9	11.7	90
73	Delivering bioactive molecules as instructive cues to engineered tissues. <i>Expert Opinion on Drug Delivery</i> , 2012 , 9, 473-92	8	12
72	Shedding light on nanomedicine. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 638-62	9.2	63
71	Materials to clinical devices: technologies for remotely triggered drug delivery. <i>Clinical Therapeutics</i> , 2012 , 34, S25-35	3.5	39
70	Photoswitchable nanoparticles for triggered tissue penetration and drug delivery. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8848-55	16.4	359
69	Thermoresponsive nanogels for prolonged duration local anesthesia. <i>Acta Biomaterialia</i> , 2012 , 8, 3596-605	15.8	46
68	Nanogel scavengers for drugs: local anesthetic uptake by thermoresponsive nanogels. <i>Acta Biomaterialia</i> , 2012 , 8, 1450-8	10.8	20
67	An in situ cross-linking hybrid hydrogel for controlled release of proteins. <i>Acta Biomaterialia</i> , 2012 , 8, 1703-9	10.8	28
66	Duration and local toxicity of sciatic nerve blockade with coinjecting site 1 sodium-channel blockers and quaternary lidocaine derivatives. <i>Regional Anesthesia and Pain Medicine</i> , 2012 , 37, 483-9	3.4	24

65	Prolonged nerve blockade delays the onset of neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17555-60	11.5	43
64	Magnetically triggered nanocomposite membranes: a versatile platform for triggered drug release. <i>Nano Letters</i> , 2011 , 11, 1395-400	11.5	217
63	A prototype antifungal contact lens 2011 , 52, 6286-91		65
62	Nanotechnological strategies for engineering complex tissues. <i>Nature Nanotechnology</i> , 2011 , 6, 13-22	28.7	1074
61	Advances in Drug Delivery. <i>Annual Review of Materials Research</i> , 2011 , 41, 1-20	12.8	112
60	Drug delivery and translation. <i>Drug Delivery and Translational Research</i> , 2011 , 1, 4-6	6.2	1
59	Microgels for efficient protein purification. <i>Advanced Materials</i> , 2011 , 23, H258-62	24	18
58	Polydopamine coatings enhance biointegration of a model polymeric implant. <i>Soft Matter</i> , 2011 , 7, 8305-6	3.6	35
57	Nanoparticles targeting the infarcted heart. <i>Nano Letters</i> , 2011 , 11, 4411-4	11.5	150
56	Elasticity and safety of alkoxyethyl cyanoacrylate tissue adhesives. <i>Acta Biomaterialia</i> , 2011 , 7, 3150-7	10.8	53
55	Prolonged sensory-selective nerve blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3740-5	11.5	31
54	Tissue Adhesives as Active Implants. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2010 , 39-56	0.5	16
53	Photo-targeted nanoparticles. <i>Nano Letters</i> , 2010 , 10, 250-4	11.5	108
52	Biocompatibility and drug delivery systems. <i>Chemical Science</i> , 2010 , 1, 441-446	9.4	199
51	Rheological blends for drug delivery. I. Characterization in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 575-85	5.4	8
50	Rheological blends for drug delivery. II. Prolongation of nerve blockade, biocompatibility, and in vitro-in vivo correlations. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 586-95	5.4	10
49	A microcomposite hydrogel for repeated on-demand ultrasound-triggered drug delivery. <i>Biomaterials</i> , 2010 , 31, 5208-17	15.6	91
48	Remotely triggerable drug delivery systems. <i>Advanced Materials</i> , 2010 , 22, 4925-43	24	498

47	Injectable in situ cross-linking hydrogels for local antifungal therapy. <i>Biomaterials</i> , 2010 , 31, 1444-52	15.6	113
46	Prolonged duration local anesthesia with minimal toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7125-30	11.5	109
45	Contact lenses for drug delivery. <i>Seminars in Ophthalmology</i> , 2009 , 24, 156-60	2.4	49
44	Three-dimensional conductive constructs for nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 519-27	5.4	41
43	A drug-eluting contact lens 2009 , 50, 3346-52		177
42	Effect of chemical permeation enhancers on nerve blockade. <i>Molecular Pharmaceutics</i> , 2009 , 6, 265-73	5.6	33
41	A magnetically triggered composite membrane for on-demand drug delivery. <i>Nano Letters</i> , 2009 , 9, 3651-5	17.5	308
40	Preparation of monodisperse biodegradable polymer microparticles using a microfluidic flow-focusing device for controlled drug delivery. <i>Small</i> , 2009 , 5, 1575-81	11	457
39	Polymers in the prevention of peritoneal adhesions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 68, 57-66	5.7	96
38	Polymers for intracellular delivery of nucleic acids. <i>Journal of Materials Chemistry</i> , 2008 , 18, 832-841		32
37	Polymeric biomaterials in tissue engineering. <i>Pediatric Research</i> , 2008 , 63, 487-91	3.2	225
36	Local myotoxicity from sustained release of bupivacaine from microparticles. <i>Anesthesiology</i> , 2008 , 108, 921-8	4.3	81
35	Spray-dried lipid-hyaluronan-polymethacrylate microparticles for drug delivery in the peritoneum. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 87, 825-31	5.4	8
34	Human Embryoid Bodies Containing Nano- and Microparticulate Delivery Vehicles. <i>Advanced Materials</i> , 2008 , 20, 2285-2291	24	67
33	Hydrogels in drug delivery: Progress and challenges. <i>Polymer</i> , 2008 , 49, 1993-2007	3.9	2595
32	The biocompatibility of mesoporous silicates. <i>Biomaterials</i> , 2008 , 29, 4045-55	15.6	453
31	Microparticles for inhalational delivery of antipseudomonal antibiotics. <i>AAPS Journal</i> , 2008 , 10, 254-60	3.7	27
30	Microparticles and nanoparticles for drug delivery. <i>Biotechnology and Bioengineering</i> , 2007 , 96, 203-9	4.9	350

29	The prevention of peritoneal adhesions by in situ cross-linking hydrogels of hyaluronic acid and cellulose derivatives. <i>Biomaterials</i> , 2007 , 28, 975-83	15.6	212
28	Peritoneal adhesion prevention with an in situ cross-linkable hyaluronan gel containing tissue-type plasminogen activator in a rabbit repeated-injury model. <i>Biomaterials</i> , 2007 , 28, 3704-13	15.6	43
27	Dextran-based in situ cross-linked injectable hydrogels to prevent peritoneal adhesions. <i>Biomaterials</i> , 2007 , 28, 3418-26	15.6	112
26	Prevention of peritoneal adhesions with an in situ cross-linkable hyaluronan hydrogel delivering budesonide. <i>Journal of Controlled Release</i> , 2007 , 120, 178-85	11.7	56
25	Anti-inflammatory function of an in situ cross-linkable conjugate hydrogel of hyaluronic acid and dexamethasone. <i>Biomaterials</i> , 2007 , 28, 1778-86	15.6	103
24	In situ cross-linkable hyaluronan hydrogels containing polymeric nanoparticles for preventing postsurgical adhesions. <i>Annals of Surgery</i> , 2007 , 245, 819-24	7.8	77
23	Biodegradable polymeric microspheres and nanospheres for drug delivery in the peritoneum. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 77, 351-61	5.4	153
22	Peritoneal application of chitosan and UV-cross-linkable chitosan. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 78, 668-75	5.4	55
21	Tetrodotoxin for prolonged local anesthesia with minimal myotoxicity. <i>Muscle and Nerve</i> , 2006 , 34, 747-53	5.4	53
20	Micromolding of photocrosslinkable chitosan hydrogel for spheroid microarray and co-cultures. <i>Biomaterials</i> , 2006 , 27, 5259-67	15.6	277
19	A photolithographic method to create cellular micropatterns. <i>Biomaterials</i> , 2006 , 27, 4755-64	15.6	103
18	In situ cross-linkable hyaluronic acid hydrogels prevent post-operative abdominal adhesions in a rabbit model. <i>Biomaterials</i> , 2006 , 27, 4698-705	15.6	181
17	Engineering vascularized skeletal muscle tissue. <i>Nature Biotechnology</i> , 2005 , 23, 879-84	44.5	1016
16	Prolonged duration local anesthesia with lipid-protein-sugar particles containing bupivacaine and dexamethasone. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 75, 458-64	5.4	46
15	In vivo evaluation of tetrahedral amorphous carbon. <i>Biomaterials</i> , 2005 , 26, 465-73	15.6	29
14	Case records of the Massachusetts General Hospital. Case 16-2005. A nine-year-old girl with headaches and hypertension. <i>New England Journal of Medicine</i> , 2005 , 352, 2223-31	59.2	18
13	pH-triggered microparticles for peptide vaccination. <i>Journal of Immunology</i> , 2004 , 173, 2578-85	5.3	68
12	Effect of excipient composition on the biocompatibility of bupivacaine-containing microparticles at the sciatic nerve. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 68, 651-9		20

11	Injectable microparticle-gel system for prolonged and localized lidocaine release. II. In vivo anesthetic effects. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 459-66		62
10	Prolongation of sciatic nerve blockade by in situ cross-linked hyaluronic acid. <i>Biomaterials</i> , 2004 , 25, 4797-804	1304	149
9	Site 1 sodium channel blockers prolong the duration of sciatic nerve blockade from tricyclic antidepressants. <i>Pain</i> , 2004 , 110, 432-8	8	24
8	pH-triggered release of macromolecules from spray-dried polymethacrylate microparticles. <i>Pharmaceutical Research</i> , 2003 , 20, 1533-8	4.5	18
7	Prolonged duration local anesthesia from tetrodotoxin-enhanced local anesthetic microspheres. <i>Pain</i> , 2003 , 104, 415-21	8	94
6	Lipid-sugar particles for intracranial drug delivery: safety and biocompatibility. <i>Brain Research</i> , 2002 , 946, 206-13	3.7	30
5	Biocompatibility of lipid-protein-sugar particles containing bupivacaine in the epineurium. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 450-9		76
4	Effectiveness of muscimol-containing microparticles against pilocarpine-induced focal seizures. <i>Epilepsia</i> , 2002 , 43, 1462-8	6.4	18
3	Effects of Adrenergic Agonists and Antagonists on Tetrodotoxin-induced Nerve Block. <i>Regional Anesthesia and Pain Medicine</i> , 2001 , 26, 239-245	3.4	14
2	The Local Anesthetic Properties and Toxicity of Saxitoxin Homologues for Rat Sciatic Nerve Block In Vivo. <i>Regional Anesthesia and Pain Medicine</i> , 2000 , 25, 52-59	3.4	58
1	Sciatic nerve blockade with lipid-protein-sugar particles containing bupivacaine. <i>Pharmaceutical Research</i> , 2000 , 17, 1243-9	4.5	51