

Daniel S Kohane

List of Publications by Year in descending order

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179
papers

18,364
citations

19655

61
h-index

12596

132
g-index

180
all docs

180
docs citations

180
times ranked

23953
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels in drug delivery: Progress and challenges. <i>Polymer</i> , 2008, 49, 1993-2007.	3.8	3,081
2	Nanotechnological strategies for engineering complex tissues. <i>Nature Nanotechnology</i> , 2011, 6, 13-22.	31.5	1,226
3	Engineering vascularized skeletal muscle tissue. <i>Nature Biotechnology</i> , 2005, 23, 879-884.	17.5	1,153
4	Remotely Triggerable Drug Delivery Systems. <i>Advanced Materials</i> , 2010, 22, 4925-4943.	21.0	553
5	Preparation of Monodisperse Biodegradable Polymer Microparticles Using a Microfluidic Flow-Focusing Device for Controlled Drug Delivery. <i>Small</i> , 2009, 5, 1575-1581.	10.0	545
6	The biocompatibility of mesoporous silicates. <i>Biomaterials</i> , 2008, 29, 4045-4055.	11.4	503
7	Microparticles and nanoparticles for drug delivery. <i>Biotechnology and Bioengineering</i> , 2007, 96, 203-209.	3.3	430
8	Photoswitchable Nanoparticles for Triggered Tissue Penetration and Drug Delivery. <i>Journal of the American Chemical Society</i> , 2012, 134, 8848-8855.	13.7	413
9	A Magnetically Triggered Composite Membrane for On-Demand Drug Delivery. <i>Nano Letters</i> , 2009, 9, 3651-3657.	9.1	335
10	Micromolding of photocrosslinkable chitosan hydrogel for spheroid microarray and co-cultures. <i>Biomaterials</i> , 2006, 27, 5259-5267.	11.4	309
11	External triggering and triggered targeting strategies for drug delivery. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	290
12	Polymeric Biomaterials in Tissue Engineering. <i>Pediatric Research</i> , 2008, 63, 487-491.	2.3	285
13	Enhanced Photothermal Effect of Plasmonic Nanoparticles Coated with Reduced Graphene Oxide. <i>Nano Letters</i> , 2013, 13, 4075-4079.	9.1	273
14	Photoresponsive nanoparticles for drug delivery. <i>Nano Today</i> , 2015, 10, 451-467.	11.9	245
15	Magnetically Triggered Nanocomposite Membranes: A Versatile Platform for Triggered Drug Release. <i>Nano Letters</i> , 2011, 11, 1395-1400.	9.1	241
16	Biocompatibility and drug delivery systems. <i>Chemical Science</i> , 2010, 1, 441-446.	7.4	240
17	The prevention of peritoneal adhesions by in situ cross-linking hydrogels of hyaluronic acid and cellulose derivatives. <i>Biomaterials</i> , 2007, 28, 975-983.	11.4	239
18	A Drug-Eluting Contact Lens. , 2009, 50, 3346.		208

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19	In situ cross-linkable hyaluronic acid hydrogels prevent post-operative abdominal adhesions in a rabbit model. <i>Biomaterials</i> , 2006, 27, 4698-4705.	11.4	205
20	Photoswitchable nanoparticles for in vivo cancer chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19048-19053.	7.1	205
21	Nanoparticles Targeting the Infarcted Heart. <i>Nano Letters</i> , 2011, 11, 4411-4414.	9.1	188
22	Biodegradable polymeric microspheres and nanospheres for drug delivery in the peritoneum. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 351-361.	4.0	182
23	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, 1349-1354.	7.1	177
24	Prolongation of sciatic nerve blockade by in situ cross-linked hyaluronic acid. <i>Biomaterials</i> , 2004, 25, 4797-4804.	11.4	170
25	In vivo performance of a drug-eluting contact lens to treat glaucoma for a month. <i>Biomaterials</i> , 2014, 35, 432-439.	11.4	157
26	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.	7.1	150
27	Getting Drugs Across Biological Barriers. <i>Advanced Materials</i> , 2017, 29, 1606596.	21.0	149
28	Ultraviolet light-mediated drug delivery: Principles, applications, and challenges. <i>Journal of Controlled Release</i> , 2015, 219, 31-42.	9.9	131
29	Prolonged duration local anesthesia with minimal toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7125-7130.	7.1	129
30	Dextran-based in situ cross-linked injectable hydrogels to prevent peritoneal adhesions. <i>Biomaterials</i> , 2007, 28, 3418-3426.	11.4	126
31	Injectable in situ cross-linking hydrogels for local antifungal therapy. <i>Biomaterials</i> , 2010, 31, 1444-1452.	11.4	126
32	Advances in Drug Delivery. <i>Annual Review of Materials Research</i> , 2011, 41, 1-20.	9.3	125
33	Photo-Targeted Nanoparticles. <i>Nano Letters</i> , 2010, 10, 250-254.	9.1	120
34	A photolithographic method to create cellular micropatterns. <i>Biomaterials</i> , 2006, 27, 4755-4764.	11.4	118
35	A microcomposite hydrogel for repeated on-demand ultrasound-triggered drug delivery. <i>Biomaterials</i> , 2010, 31, 5208-5217.	11.4	118
36	Anti-inflammatory function of an in situ cross-linkable conjugate hydrogel of hyaluronic acid and dexamethasone. <i>Biomaterials</i> , 2007, 28, 1778-1786.	11.4	115

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37	Prolonged duration local anesthesia from tetrodotoxin-enhanced local anesthetic microspheres. <i>Pain</i> , 2003, 104, 415-421.	4.2	110
38	Polymers in the prevention of peritoneal adhesions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 57-66.	4.3	108
39	Ultrasound-triggered local anaesthesia. <i>Nature Biomedical Engineering</i> , 2017, 1, 644-653.	22.5	105
40	Multivesicular liposomal bupivacaine at the sciatic nerve. <i>Biomaterials</i> , 2014, 35, 4557-4564.	11.4	104
41	Electrospun drug-eluting sutures for local anesthesia. <i>Journal of Controlled Release</i> , 2012, 161, 903-909.	9.9	103
42	Efficient Triplet-Annihilation-Based Upconversion for Nanoparticle Phototargeting. <i>Nano Letters</i> , 2015, 15, 6332-6338.	9.1	101
43	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, 15719-15724.	7.1	97
44	Local Myotoxicity from Sustained Release of Bupivacaine from Microparticles. <i>Anesthesiology</i> , 2008, 108, 921-928.	2.5	96
45	In Situ Cross-linkable Hyaluronan Hydrogels Containing Polymeric Nanoparticles for Preventing Postsurgical Adhesions. <i>Annals of Surgery</i> , 2007, 245, 819-824.	4.2	95
46	New Strategies in Cancer Nanomedicine. <i>Annual Review of Pharmacology and Toxicology</i> , 2016, 56, 41-57.	9.4	95
47	Biocompatibility of lipid-protein-sugar particles containing bupivacaine in the epineurium. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 59, 450-459.	3.1	89
48	Drug delivery systems for prolonged duration local anesthesia. <i>Materials Today</i> , 2017, 20, 22-31.	14.2	89
49	Transcytosis of Nanomedicine for Tumor Penetration. <i>Nano Letters</i> , 2019, 19, 8010-8020.	9.1	84
50	A Prototype Antifungal Contact Lens. , 2011, 52, 6286.		83
51	Phototriggered Local Anesthesia. <i>Nano Letters</i> , 2016, 16, 177-181.	9.1	78
52	Photothermally Targeted Thermosensitive Polymer-Masked Nanoparticles. <i>Nano Letters</i> , 2014, 14, 3697-3701.	9.1	75
53	Topical sustained drug delivery to the retina with a drug-eluting contact lens. <i>Biomaterials</i> , 2019, 217, 119285.	11.4	74
54	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, 70A, 459-466.	3.1	73

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55	pH-Triggered Microparticles for Peptide Vaccination. <i>Journal of Immunology</i> , 2004, 173, 2578-2585.	0.8	72
56	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.	2.3	69
57	Elasticity and safety of alkoxyethyl cyanoacrylate tissue adhesives. <i>Acta Biomaterialia</i> , 2011, 7, 3150-3157.	8.3	69
58	Shedding light on nanomedicine. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 638-662.	6.1	69
59	Human Embryoid Bodies Containing Nano- and Microparticulate Delivery Vehicles. <i>Advanced Materials</i> , 2008, 20, 2285-2291.	21.0	68
60	Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. <i>Nature Communications</i> , 2019, 10, 804.	12.8	67
61	Latanoprost-Eluting Contact Lenses in Glaucomatous Monkeys. <i>Ophthalmology</i> , 2016, 123, 2085-2092.	5.2	66
62	Tetrodotoxin for prolonged local anesthesia with minimal myotoxicity. <i>Muscle and Nerve</i> , 2006, 34, 747-753.	2.2	65
63	Prevention of peritoneal adhesions with an in situ cross-linkable hyaluronan hydrogel delivering budesonide. <i>Journal of Controlled Release</i> , 2007, 120, 178-185.	9.9	62
64	Treatment of otitis media by transtympanic delivery of antibiotics. <i>Science Translational Medicine</i> , 2016, 8, 356ra120.	12.4	61
65	Peritoneal application of chitosan and UV-crosslinkable chitosan. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 668-675.	4.0	60
66	Thermoresponsive nanogels for prolonged duration local anesthesia. <i>Acta Biomaterialia</i> , 2012, 8, 3596-3605.	8.3	56
67	Aptamer photoregulation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17099-17103.	7.1	56
68	Ultrasensitive Phototriggered Local Anesthesia. <i>Nano Letters</i> , 2017, 17, 660-665.	9.1	55
69	Sciatic nerve blockade with lipid-protein-sugar particles containing bupivacaine. <i>Pharmaceutical Research</i> , 2000, 17, 1243-1249.	3.5	54
70	Prolonged duration local anesthesia with lipid-protein-sugar particles containing bupivacaine and dexamethasone. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 458-464.	4.0	54
71	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, 17555-17560.	7.1	54
72	A Stiff Injectable Biodegradable Elastomer. <i>Advanced Functional Materials</i> , 2013, 23, 1527-1533.	14.9	54

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73	Formulations for trans-tympanic antibiotic delivery. <i>Biomaterials</i> , 2013, 34, 1281-1288.	11.4	54
74	Phototriggered Drug Delivery Using Inorganic Nanomaterials. <i>Bioconjugate Chemistry</i> , 2017, 28, 98-104.	3.6	54
75	Contact Lenses for Drug Delivery. <i>Seminars in Ophthalmology</i> , 2009, 24, 156-160.	1.6	53
76	Long-Lasting Antifouling Coating from Multi-Armed Polymer. <i>Langmuir</i> , 2013, 29, 10087-10094.	3.5	53
77	Local Toxicity from Local Anesthetic Polymeric Microparticles. <i>Anesthesia and Analgesia</i> , 2013, 116, 794-803.	2.2	53
78	Enhanced Precision of Nanoparticle Phototargeting in Vivo at a Safe Irradiance. <i>Nano Letters</i> , 2016, 16, 4516-4520.	9.1	50
79	Self-assembled gemcitabine-gadolinium nanoparticles for magnetic resonance imaging and cancer therapy. <i>Acta Biomaterialia</i> , 2016, 33, 34-39.	8.3	48
80	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, 3704-3713.	11.4	47
81	Polymer-tetrodotoxin conjugates to induce prolonged duration local anesthesia with minimal toxicity. <i>Nature Communications</i> , 2019, 10, 2566.	12.8	47
82	Nanoscale systems for local drug delivery. <i>Nano Today</i> , 2019, 28, 100765.	11.9	46
83	Three-dimensional conductive constructs for nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 519-527.	4.0	45
84	Hot Glue Gun Releasing Biocompatible Tissue Adhesive. <i>Advanced Functional Materials</i> , 2020, 30, 1900998.	14.9	45
85	Materials to Clinical Devices: Technologies for Remotely Triggered Drug Delivery. <i>Clinical Therapeutics</i> , 2012, 34, S25-S35.	2.5	44
86	Selective binding of C-6 OH sulfated hyaluronic acid to the angiogenic isoform of VEGF165. <i>Biomaterials</i> , 2016, 77, 130-138.	11.4	44
87	A Supramolecular Shear-Thinning Anti-Inflammatory Steroid Hydrogel. <i>Advanced Materials</i> , 2016, 28, 6680-6686.	21.0	43
88	Extended Release of Native Drug Conjugated in Polyketal Microparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 6127-6130.	13.7	41
89	Polydopamine coatings enhance biointegration of a model polymeric implant. <i>Soft Matter</i> , 2011, 7, 8305.	2.7	40
90	Steroid-eluting contact lenses for corneal and intraocular inflammation. <i>Acta Biomaterialia</i> , 2020, 116, 149-161.	8.3	40

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91	Light-triggered release of conventional local anesthetics from a macromolecular prodrug for on-demand local anesthesia. <i>Nature Communications</i> , 2020, 11, 2323.	12.8	40
92	Dually Enzyme- and Acid-Triggered Self-Immolative Ketal Glycoside Nanoparticles for Effective Cancer Prodrug Monotherapy. <i>Nano Letters</i> , 2020, 20, 5465-5472.	9.1	37
93	Lipid-sugar particles for intracranial drug delivery: safety and biocompatibility. <i>Brain Research</i> , 2002, 946, 206-213.	2.2	35
94	Effect of Chemical Permeation Enhancers on Nerve Blockade. <i>Molecular Pharmaceutics</i> , 2009, 6, 265-273.	4.6	35
95	Strong tissue glue with tunable elasticity. <i>Acta Biomaterialia</i> , 2017, 53, 93-99.	8.3	35
96	Polymers for intracellular delivery of nucleic acids. <i>Journal of Materials Chemistry</i> , 2008, 18, 832-841.	6.7	34
97	Prolonged sensory-selective nerve blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3740-3745.	7.1	34
98	An in situ cross-linking hybrid hydrogel for controlled release of proteins. <i>Acta Biomaterialia</i> , 2012, 8, 1703-1709.	8.3	34
99	Site 1 sodium channel blockers prolong the duration of sciatic nerve blockade from tricyclic antidepressants. <i>Pain</i> , 2004, 110, 432-438.	4.2	32
100	Drug Delivery across Barriers to the Middle and Inner Ear. <i>Advanced Functional Materials</i> , 2021, 31, 2008701.	14.9	32
101	In vivo evaluation of tetrahedral amorphous carbon. <i>Biomaterials</i> , 2005, 26, 465-473.	11.4	31
102	Microparticles for Inhalational Delivery of Antipseudomonal Antibiotics. <i>AAPS Journal</i> , 2008, 10, 254-60.	4.4	31
103	Core-Shell Nanostars for Multimodal Therapy and Imaging. <i>Theranostics</i> , 2016, 6, 2306-2313.	10.0	31
104	A Simple, Yet Multifunctional, Nanoformulation for Eradicating Tumors and Preventing Recurrence with Safely Low Administration Dose. <i>Nano Letters</i> , 2019, 19, 5515-5523.	9.1	31
105	Prospects for near-infrared technology in remotely triggered drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1681-1685.	5.0	30
106	Prolonged Duration Local Anesthesia Using Liposomal Bupivacaine Combined With Liposomal Dexamethasone and Dexmedetomidine. <i>Anesthesia and Analgesia</i> , 2018, 126, 1170-1175.	2.2	30
107	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.	22.5	30
108	Titanium Coating of the Boston Keratoprosthesis. <i>Translational Vision Science and Technology</i> , 2016, 5, 17.	2.2	29

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109	Hollow Silica Nanoparticles Penetrate the Peripheral Nerve and Enhance the Nerve Blockade from Tetrodotoxin. <i>Nano Letters</i> , 2018, 18, 32-37.	9.1	29
110	Multiply repeatable and adjustable on-demand phototriggered local anesthesia. <i>Journal of Controlled Release</i> , 2017, 251, 68-74.	9.9	28
111	PLGA-encapsulation of the <i>Pseudomonas aeruginosa</i> PopB vaccine antigen improves Th17 responses and confers protection against experimental acute pneumonia. <i>Vaccine</i> , 2018, 36, 6926-6932.	3.8	28
112	Treatment of <i>Streptococcus pneumoniae</i> otitis media in a chinchilla model by transtympanic delivery of antibiotics. <i>JCI Insight</i> , 2018, 3, .	5.0	28
113	Duration and Local Toxicity of Sciatic Nerve Blockade With Coinjected Site 1 Sodium-Channel Blockers and Quaternary Lidocaine Derivatives. <i>Regional Anesthesia and Pain Medicine</i> , 2012, 37, 483-489.	2.3	27
114	Nanogel scavengers for drugs: Local anesthetic uptake by thermoresponsive nanogels. <i>Acta Biomaterialia</i> , 2012, 8, 1450-1458.	8.3	27
115	Long-acting liposomal corneal anesthetics. <i>Biomaterials</i> , 2018, 181, 372-377.	11.4	25
116	Nanoscale Bupivacaine Formulations To Enhance the Duration and Safety of Intravenous Regional Anesthesia. <i>ACS Nano</i> , 2019, 13, 18-25.	14.6	25
117	Effectiveness of Muscimol-containing Microparticles against Pilocarpine-induced Focal Seizures. <i>Epilepsia</i> , 2002, 43, 1462-1468.	5.1	24
118	Topical Drug Formulations for Prolonged Corneal Anesthesia. <i>Cornea</i> , 2013, 32, 1040-1045.	1.7	23
119	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, 68A, 651-659.	3.1	22
120	Microdevices for Nanomedicine. <i>Molecular Pharmaceutics</i> , 2013, 10, 2127-2144.	4.6	22
121	NIR-triggered Drug Delivery by Collagen-mediated Second Harmonic Generation. <i>Advanced Healthcare Materials</i> , 2015, 4, 1159-1163.	7.6	22
122	Enhanced Triggering of Local Anesthetic Particles by Photosensitization and Photothermal Effect Using a Common Wavelength. <i>Nano Letters</i> , 2017, 17, 7138-7145.	9.1	22
123	BaTiO ₃ -core Au-shell nanoparticles for photothermal therapy and bimodal imaging. <i>Acta Biomaterialia</i> , 2018, 72, 287-294.	8.3	22
124	Corneal Anesthesia With Site 1 Sodium Channel Blockers and Dexmedetomidine. , 2015, 56, 3820.		21
125	pH-triggered release of macromolecules from spray-dried polymethacrylate microparticles. <i>Pharmaceutical Research</i> , 2003, 20, 1533-1538.	3.5	19
126	Case 16-2005. <i>New England Journal of Medicine</i> , 2005, 352, 2223-2231.	27.0	19

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127	Microgels for Efficient Protein Purification. <i>Advanced Materials</i> , 2011, 23, H258-62.	21.0	19
128	Prevention of peritoneal adhesions using polymeric rheological blends. <i>Acta Biomaterialia</i> , 2014, 10, 1187-1193.	8.3	19
129	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.	13.8	19
130	Functionalized Multiarmed Polycaprolactones as Biocompatible Tissue Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17314-17320.	8.0	19
131	Tetrodotoxin, Epinephrine, and Chemical Permeation Enhancer Combinations in Peripheral Nerve Blockade. <i>Anesthesia and Analgesia</i> , 2017, 124, 1804-1812.	2.2	18
132	Synergy between chemical permeation enhancers and drug permeation across the tympanic membrane. <i>Journal of Controlled Release</i> , 2018, 289, 94-101.	9.9	18
133	Prolonged Duration Local Anesthesia by Combined Delivery of Capsaicin- and Tetrodotoxin-Loaded Liposomes. <i>Anesthesia and Analgesia</i> , 2019, 129, 709-717.	2.2	18
134	Effects of Adrenergic Agonists and Antagonists on Tetrodotoxin-induced Nerve Block. <i>Regional Anesthesia and Pain Medicine</i> , 2001, 26, 239-245.	2.3	17
135	Tissue Adhesives as Active Implants. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2010, , 39-56.	1.0	17
136	Delivering bioactive molecules as instructive cues to engineered tissues. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 473-492.	5.0	15
137	Clinicians's perspectives on the use of drug-eluting contact lenses for the treatment of glaucoma. <i>Therapeutic Delivery</i> , 2014, 5, 1077-1083.	2.2	15
138	Light-Emitting Photon-Upconversion Nanoparticles in the Generation of Transdermal Reactive-Oxygen Species. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41737-41747.	8.0	15
139	Modular ketal-linked prodrugs and biomaterials enabled by organocatalytic transisopropenylation of alcohols. <i>Nature Communications</i> , 2021, 12, 5532.	12.8	15
140	Transtympanic Delivery of Local Anesthetics for Pain in Acute Otitis Media. <i>Molecular Pharmaceutics</i> , 2019, 16, 1555-1562.	4.6	14
141	Incorporation of heparin-binding proteins into preformed dextran sulfate-chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6149-6159.	6.7	13
142	Keeping Nanomedicine on Target. <i>Nano Letters</i> , 2021, 21, 3-5.	9.1	13
143	Enhancement of the Mechanical and Drug-Releasing Properties of Poloxamer 407 Hydrogels with Casein. <i>Pharmaceutical Research</i> , 2021, 38, 515-522.	3.5	13
144	Rheological blends for drug delivery. I. Characterization <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 575-585.	4.0	12

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145	Nanotechnology for surgeons. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 223-228.	6.1	12
146	Rheological blends for drug delivery. II. Prolongation of nerve blockade, biocompatibility, and <i>in vitro</i> – <i>in vivo</i> correlations. Journal of Biomedical Materials Research - Part A, 2010, 92A, 586-595.	4.0	11
147	A photo-triggered layered surface coating producing reactive oxygen species. Biomaterials, 2013, 34, 9763-9769.	11.4	11
148	Spray-dried lipid–hyaluronan–polymethacrylate microparticles for drug delivery in the peritoneum. Journal of Biomedical Materials Research - Part A, 2008, 87A, 825-831.	4.0	10
149	Toxicogenomic analysis of a sustained release local anesthetic delivery system. Biomaterials, 2012, 33, 3586-3593.	11.4	10
150	Combination Clearance Therapy and Barbiturate Coma for Severe Carbamazepine Overdose. Pediatrics, 2017, 139, .	2.1	10
151	High-frequency, low-intensity ultrasound and microbubbles enhance nerve blockade. Journal of Controlled Release, 2018, 276, 150-156.	9.9	8
152	Ultrasound-triggered liposomes for on-demand local anesthesia. Therapeutic Delivery, 2018, 9, 5-8.	2.2	8
153	Predicting the tissue depth for remote triggering of drug delivery systems. Journal of Controlled Release, 2018, 286, 55-63.	9.9	8
154	Photoactive Electrospun Fibers for Inducing Cell Death. Advanced Healthcare Materials, 2014, 3, 494-499.	7.6	7
155	Preparation and Characterization of SDF-1–Chitosan-Dextran Sulfate Nanoparticles. Journal of Visualized Experiments, 2015, , 52323.	0.3	7
156	Initial Method for Characterization of Tympanic Membrane Drug Permeability in Human Temporal Bones In Situ. Frontiers in Neurology, 2021, 12, 580392.	2.4	7
157	Targeting Nanoparticles to Bioengineered Human Vascular Networks. Nano Letters, 2021, 21, 6609-6616.	9.1	6
158	Drug Delivery Systems for Tunable and Localized Drug Release. Israel Journal of Chemistry, 2013, 53, 728-736.	2.3	5
159	RNA therapeutics – The potential treatment for myocardial infarction. Regenerative Therapy, 2016, 4, 83-91.	3.0	5
160	Synergy in Nanomedicine: What It Is Not, and What It Might Be. Nano Letters, 2021, 21, 5457-5460.	9.1	5
161	Prolonged Duration Local Anesthesia. Advances in Delivery Science and Technology, 2014, , 653-677.	0.4	5
162	Controlled-release systems in neuropathic pain. Pain Management, 2013, 3, 91-93.	1.5	4

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163	The Duration of Nerve Block from Local Anesthetic Formulations in Male and Female Rats. <i>Pharmaceutical Research</i> , 2019, 36, 179.	3.5	4
164	Prolonged Duration Topical Corneal Anesthesia With the Cationic Lidocaine Derivative QX-314. <i>Translational Vision Science and Technology</i> , 2019, 8, 28.	2.2	4
165	Permeation of polyethylene glycols across the tympanic membrane. <i>Giant</i> , 2021, 6, 100057.	5.1	4
166	Drug delivery and translation. <i>Drug Delivery and Translational Research</i> , 2011, 1, 4-6.	5.8	3
167	Local anesthesia enhanced with increasing high-frequency ultrasound intensity. <i>Drug Delivery and Translational Research</i> , 2020, 10, 1507-1516.	5.8	3
168	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.	1.7	3
169	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.	2.3	3
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