

# Daniel S Kohane

## List of Publications by Citations

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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 | Hydrogels in drug delivery: Progress and challenges. <i>Polymer</i> , <b>2008</b> , 49, 1993-2007  | 3.9  | 2595      |
| 171 | Nanotechnological strategies for engineering complex tissues. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 13-22  | 28.7 | 1074      |
| 170 | Engineering vascularized skeletal muscle tissue. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 879-84  | 44.5 | 1016      |
| 169 | Remotely triggerable drug delivery systems. <i>Advanced Materials</i> , <b>2010</b> , 22, 4925-43  | 24   | 498       |
| 168 | Preparation of monodisperse biodegradable polymer microparticles using a microfluidic flow-focusing device for controlled drug delivery. <i>Small</i> , <b>2009</b> , 5, 1575-81 | 11   | 457       |
| 167 | The biocompatibility of mesoporous silicates. <i>Biomaterials</i> , <b>2008</b> , 29, 4045-55  | 15.6 | 453       |
| 166 | Photoswitchable nanoparticles for triggered tissue penetration and drug delivery. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8848-55                   | 16.4 | 359       |
| 165 | Microparticles and nanoparticles for drug delivery. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 96, 203-9  | 4.9  | 350       |
| 164 | A magnetically triggered composite membrane for on-demand drug delivery. <i>Nano Letters</i> , <b>2009</b> , 9, 3651-7   | 17.5 | 308       |
| 163 | Micromolding of photocrosslinkable chitosan hydrogel for spheroid microarray and co-cultures. <i>Biomaterials</i> , <b>2006</b> , 27, 5259-67                                    | 15.6 | 277       |
| 162 | Enhanced photothermal effect of plasmonic nanoparticles coated with reduced graphene oxide. <i>Nano Letters</i> , <b>2013</b> , 13, 4075-9                                       | 11.5 | 232       |
| 161 | Polymeric biomaterials in tissue engineering. <i>Pediatric Research</i> , <b>2008</b> , 63, 487-91   | 3.2  | 225       |
| 160 | External triggering and triggered targeting strategies for drug delivery. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,   | 73.3 | 222       |
| 159 | Magnetically triggered nanocomposite membranes: a versatile platform for triggered drug release. <i>Nano Letters</i> , <b>2011</b> , 11, 1395-400                                | 11.5 | 217       |
| 158 | The prevention of peritoneal adhesions by in situ cross-linking hydrogels of hyaluronic acid and cellulose derivatives. <i>Biomaterials</i> , <b>2007</b> , 28, 975-83           | 15.6 | 212       |
| 157 | Biocompatibility and drug delivery systems. <i>Chemical Science</i> , <b>2010</b> , 1, 441-446   | 9.4  | 199       |
| 156 | Photoresponsive nanoparticles for drug delivery. <i>Nano Today</i> , <b>2015</b> , 10, 451-467   | 17.9 | 194       |

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|-----|---|------|-----|
| 155 | In situ cross-linkable hyaluronic acid hydrogels prevent post-operative abdominal adhesions in a rabbit model. <i>Biomaterials</i> , <b>2006</b> , 27, 4698-705                           | 15.6 | 181 |
| 154 | A drug-eluting contact lens <b>2009</b> , 50, 3346-52   |      | 177 |
| 153 | Photoswitchable nanoparticles for in vivo cancer chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19048-53       | 11.5 | 176 |
| 152 | Near-infrared-actuated devices for remotely controlled drug delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1349-54 | 11.5 | 157 |
| 151 | Biodegradable polymeric microspheres and nanospheres for drug delivery in the peritoneum. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 351-61             | 5.4  | 153 |
| 150 | Nanoparticles targeting the infarcted heart. <i>Nano Letters</i> , <b>2011</b> , 11, 4411-4   | 11.5 | 150 |
| 149 | Prolongation of sciatic nerve blockade by in situ cross-linked hyaluronic acid. <i>Biomaterials</i> , <b>2004</b> , 25, 4797-804  | 15.6 | 149 |
| 148 | In vivo performance of a drug-eluting contact lens to treat glaucoma for a month. <i>Biomaterials</i> , <b>2014</b> , 35, 432-9   | 15.6 | 122 |
| 147 | Injectable in situ cross-linking hydrogels for local antifungal therapy. <i>Biomaterials</i> , <b>2010</b> , 31, 1444-52  | 15.6 | 113 |
| 146 | Advances in Drug Delivery. <i>Annual Review of Materials Research</i> , <b>2011</b> , 41, 1-20  | 12.8 | 112 |
| 145 | Dextran-based in situ cross-linked injectable hydrogels to prevent peritoneal adhesions. <i>Biomaterials</i> , <b>2007</b> , 28, 3418-26  | 15.6 | 112 |
| 144 | Prolonged duration local anesthesia with minimal toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 7125-30            | 11.5 | 109 |
| 143 | Ultraviolet light-mediated drug delivery: Principles, applications, and challenges. <i>Journal of Controlled Release</i> , <b>2015</b> , 219, 31-42                                       | 11.7 | 108 |
| 142 | Photo-targeted nanoparticles. <i>Nano Letters</i> , <b>2010</b> , 10, 250-4   | 11.5 | 108 |
| 141 | Anti-inflammatory function of an in situ cross-linkable conjugate hydrogel of hyaluronic acid and dexamethasone. <i>Biomaterials</i> , <b>2007</b> , 28, 1778-86                          | 15.6 | 103 |
| 140 | A photolithographic method to create cellular micropatterns. <i>Biomaterials</i> , <b>2006</b> , 27, 4755-64  | 15.6 | 103 |
| 139 | Getting Drugs Across Biological Barriers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606596   | 24   | 97  |
| 138 | Polymers in the prevention of peritoneal adhesions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 57-66   | 5.7  | 96  |

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|-----|---|------|----|
| 137 | Prolonged duration local anesthesia from tetrodotoxin-enhanced local anesthetic microspheres. <i>Pain</i> , <b>2003</b> , 104, 415-21   | 8    | 94 |
| 136 | A microcomposite hydrogel for repeated on-demand ultrasound-triggered drug delivery. <i>Biomaterials</i> , <b>2010</b> , 31, 5208-17  | 15.6 | 91 |
| 135 | Electrospun drug-eluting sutures for local anesthesia. <i>Journal of Controlled Release</i> , <b>2012</b> , 161, 903-9  | 11.7 | 90 |
| 134 | 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> , <b>2019</b> , 116, 10674-10680 | 11.5 | 89 |
| 133 | Multivesicular liposomal bupivacaine at the sciatic nerve. <i>Biomaterials</i> , <b>2014</b> , 35, 4557-64  | 15.6 | 86 |
| 132 | New Strategies in Cancer Nanomedicine. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2016</b> , 56, 41-57  | 17.9 | 84 |
| 131 | Efficient Triplet-Triplet Annihilation-Based Upconversion for Nanoparticle Phototargeting. <i>Nano Letters</i> , <b>2015</b> , 15, 6332-8   | 11.5 | 81 |
| 130 | Local myotoxicity from sustained release of bupivacaine from microparticles. <i>Anesthesiology</i> , <b>2008</b> , 108, 921-8   | 4.3  | 81 |
| 129 | In situ cross-linkable hyaluronan hydrogels containing polymeric nanoparticles for preventing postsurgical adhesions. <i>Annals of Surgery</i> , <b>2007</b> , 245, 819-24  | 7.8  | 77 |
| 128 | Biocompatibility of lipid-protein-sugar particles containing bupivacaine in the epineurium. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 59, 450-9  |      | 76 |
| 127 | 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> , <b>2015</b> , 112, 15719-24                       | 11.5 | 74 |
| 126 | Photothermally targeted thermosensitive polymer-masked nanoparticles. <i>Nano Letters</i> , <b>2014</b> , 14, 3697-7015   | 15   | 71 |
| 125 | pH-triggered microparticles for peptide vaccination. <i>Journal of Immunology</i> , <b>2004</b> , 173, 2578-85  | 5.3  | 68 |
| 124 | Human Embryoid Bodies Containing Nano- and Microparticulate Delivery Vehicles. <i>Advanced Materials</i> , <b>2008</b> , 20, 2285-2291  | 24   | 67 |
| 123 | Ultrasound-triggered local anaesthesia. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1, 644-653   | 19   | 65 |
| 122 | A prototype antifungal contact lens <b>2011</b> , 52, 6286-91   |      | 65 |
| 121 | Phototriggered Local Anesthesia. <i>Nano Letters</i> , <b>2016</b> , 16, 177-81   | 11.5 | 64 |
| 120 | Shedding light on nanomedicine. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2012</b> , 4, 638-62  | 9.2  | 63 |

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|-----|--|------|----|
| 119 | Injectable microparticle-gel system for prolonged and localized lidocaine release. II. In vivo anesthetic effects. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 70, 459-66 |      | 62 |
| 118 | The Local Anesthetic Properties and Toxicity of Saxitoxin Homologues for Rat Sciatic Nerve Block In Vivo. <i>Regional Anesthesia and Pain Medicine</i> , <b>2000</b> , 25, 52-59                     | 3.4  | 58 |
| 117 | Drug delivery systems for prolonged duration local anesthesia. <i>Materials Today</i> , <b>2017</b> , 20, 22-31  | 21.8 | 56 |
| 116 | Prevention of peritoneal adhesions with an in situ cross-linkable hyaluronan hydrogel delivering budesonide. <i>Journal of Controlled Release</i> , <b>2007</b> , 120, 178-85                        | 11.7 | 56 |
| 115 | Peritoneal application of chitosan and UV-cross-linkable chitosan. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 78, 668-75   | 5.4  | 55 |
| 114 | Elasticity and safety of alkoxyethyl cyanoacrylate tissue adhesives. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 3150-7   | 10.8 | 53 |
| 113 | Tetrodotoxin for prolonged local anesthesia with minimal myotoxicity. <i>Muscle and Nerve</i> , <b>2006</b> , 34, 747-54   | 5.4  | 53 |
| 112 | Sciatic nerve blockade with lipid-protein-sugar particles containing bupivacaine. <i>Pharmaceutical Research</i> , <b>2000</b> , 17, 1243-9  | 4.5  | 51 |
| 111 | Aptamer photoregulation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17099-103   | 11.5 | 50 |
| 110 | Contact lenses for drug delivery. <i>Seminars in Ophthalmology</i> , <b>2009</b> , 24, 156-60  | 2.4  | 49 |
| 109 | Latanoprost-Eluting Contact Lenses in Glaucomatous Monkeys. <i>Ophthalmology</i> , <b>2016</b> , 123, 2085-92  | 7.3  | 48 |
| 108 | Topical sustained drug delivery to the retina with a drug-eluting contact lens. <i>Biomaterials</i> , <b>2019</b> , 217, 119285  | 15.6 | 47 |
| 107 | Long-lasting antifouling coating from multi-armed polymer. <i>Langmuir</i> , <b>2013</b> , 29, 10087-94  | 4    | 46 |
| 106 | Phototriggered Drug Delivery Using Inorganic Nanomaterials. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 98-104   | 6.3  | 46 |
| 105 | Thermoresponsive nanogels for prolonged duration local anesthesia. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3596-605   | 5.8  | 46 |
| 104 | Local toxicity from local anesthetic polymeric microparticles. <i>Anesthesia and Analgesia</i> , <b>2013</b> , 116, 794-803  | 3.9  | 46 |
| 103 | Prolonged duration local anesthesia with lipid-protein-sugar particles containing bupivacaine and dexamethasone. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 75, 458-64 | 5.4  | 46 |
| 102 | Ultrasensitive Phototriggered Local Anesthesia. <i>Nano Letters</i> , <b>2017</b> , 17, 660-665  | 11.5 | 44 |

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|-----|--|------|----|
| 101 | A Stiff Injectable Biodegradable Elastomer. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1527-1533   | 15.6 | 44 |
| 100 | Formulations for trans-tympanic antibiotic delivery. <i>Biomaterials</i> , <b>2013</b> , 34, 1281-8  | 15.6 | 43 |
| 99  | Prolonged nerve blockade delays the onset of neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 17555-60                          | 11.5 | 43 |
| 98  | 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> , <b>2007</b> , 28, 3704-13 | 15.6 | 43 |
| 97  | Enhanced Precision of Nanoparticle Phototargeting in Vivo at a Safe Irradiance. <i>Nano Letters</i> , <b>2016</b> , 16, 4516-20  | 11.5 | 42 |
| 96  | Three-dimensional conductive constructs for nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 519-27  | 5.4  | 41 |
| 95  | Treatment of otitis media by transtympanic delivery of antibiotics. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 356ra120  | 17.5 | 40 |
| 94  | Self-assembled gemcitabine-gadolinium nanoparticles for magnetic resonance imaging and cancer therapy. <i>Acta Biomaterialia</i> , <b>2016</b> , 33, 34-9  | 10.8 | 39 |
| 93  | Transcytosis of Nanomedicine for Tumor Penetration. <i>Nano Letters</i> , <b>2019</b> , 19, 8010-8020  | 11.5 | 39 |
| 92  | Materials to clinical devices: technologies for remotely triggered drug delivery. <i>Clinical Therapeutics</i> , <b>2012</b> , 34, S25-35  | 3.5  | 39 |
| 91  | Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. <i>Nature Communications</i> , <b>2019</b> , 10, 804  | 17.4 | 39 |
| 90  | Extended Release of Native Drug Conjugated in Polyketal Microparticles. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6127-30   | 16.4 | 37 |
| 89  | Polydopamine coatings enhance biointegration of a model polymeric implant. <i>Soft Matter</i> , <b>2011</b> , 7, 8305  | 3.6  | 35 |
| 88  | Effect of chemical permeation enhancers on nerve blockade. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 265-73  | 5.6  | 33 |
| 87  | Polymers for intracellular delivery of nucleic acids. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 832-841  |      | 32 |
| 86  | Prolonged sensory-selective nerve blockade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3740-5   | 11.5 | 31 |
| 85  | Lipid-sugar particles for intracranial drug delivery: safety and biocompatibility. <i>Brain Research</i> , <b>2002</b> , 946, 206-13   | 3.7  | 30 |
| 84  | A Supramolecular Shear-Thinning Anti-Inflammatory Steroid Hydrogel. <i>Advanced Materials</i> , <b>2016</b> , 28, 6680-6   | 24   | 30 |

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|----|---|------|----|
| 83 | Selective binding of C-6 OH sulfated hyaluronic acid to the angiogenic isoform of VEGF(165). <i>Biomaterials</i> , <b>2016</b> , 77, 130-138  | 15.6 | 29 |
| 82 | In vivo evaluation of tetrahedral amorphous carbon. <i>Biomaterials</i> , <b>2005</b> , 26, 465-73  | 15.6 | 29 |
| 81 | An in situ cross-linking hybrid hydrogel for controlled release of proteins. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 1703-9  | 10.8 | 28 |
| 80 | Microparticles for inhalational delivery of antipseudomonal antibiotics. <i>AAPS Journal</i> , <b>2008</b> , 10, 254-60   | 3.7  | 27 |
| 79 | Strong tissue glue with tunable elasticity. <i>Acta Biomaterialia</i> , <b>2017</b> , 53, 93-99   | 10.8 | 26 |
| 78 | Nanoscale systems for local drug delivery. <i>Nano Today</i> , <b>2019</b> , 28, 100765-100765  | 17.9 | 26 |
| 77 | Core-Shell Nanostars for Multimodal Therapy and Imaging. <i>Theranostics</i> , <b>2016</b> , 6, 2306-2313   | 12.1 | 26 |
| 76 | Hot Glue Gun Releasing Biocompatible Tissue Adhesive. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1900998  | 15.6 | 25 |
| 75 | 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> , <b>2012</b> , 37, 483-9 | 3.4  | 24 |
| 74 | Site 1 sodium channel blockers prolong the duration of sciatic nerve blockade from tricyclic antidepressants. <i>Pain</i> , <b>2004</b> , 110, 432-8  | 8    | 24 |
| 73 | Titanium Coating of the Boston Keratoprosthesis. <i>Translational Vision Science and Technology</i> , <b>2016</b> , 5, 17   | 3.3  | 24 |
| 72 | Multiply repeatable and adjustable on-demand phototriggered local anesthesia. <i>Journal of Controlled Release</i> , <b>2017</b> , 251, 68-74   | 11.7 | 23 |
| 71 | Polymer-tetrodotoxin conjugates to induce prolonged duration local anesthesia with minimal toxicity. <i>Nature Communications</i> , <b>2019</b> , 10, 2566  | 17.4 | 22 |
| 70 | Dually Enzyme- and Acid-Triggered Self-Immolative Ketal Glycoside Nanoparticles for Effective Cancer Prodrug Monotherapy. <i>Nano Letters</i> , <b>2020</b> , 20, 5465-5472                                       | 11.5 | 20 |
| 69 | Nanogel scavengers for drugs: local anesthetic uptake by thermoresponsive nanogels. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 1450-8   | 10.8 | 20 |
| 68 | Microdevices for nanomedicine. <i>Molecular Pharmaceutics</i> , <b>2013</b> , 10, 2127-44   | 5.6  | 20 |
| 67 | Topical drug formulations for prolonged corneal anesthesia. <i>Cornea</i> , <b>2013</b> , 32, 1040-5  | 3.1  | 20 |
| 66 | Effect of excipient composition on the biocompatibility of bupivacaine-containing microparticles at the sciatic nerve. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 68, 651-9           |      | 20 |

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|----|---|------|----|
| 65 | Hollow Silica Nanoparticles Penetrate the Peripheral Nerve and Enhance the Nerve Blockade from Tetrodotoxin. <i>Nano Letters</i> , <b>2018</b> , 18, 32-37  | 11.5 | 20 |
| 64 | NIR-triggered drug delivery by collagen-mediated second harmonic generation. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1159-63  | 10.1 | 19 |
| 63 | Light-triggered release of conventional local anesthetics from a macromolecular prodrug for on-demand local anesthesia. <i>Nature Communications</i> , <b>2020</b> , 11, 2323                           | 17.4 | 19 |
| 62 | A Simple, Yet Multifunctional, Nanoformulation for Eradicating Tumors and Preventing Recurrence with Safely Low Administration Dose. <i>Nano Letters</i> , <b>2019</b> , 19, 5515-5523                  | 11.5 | 19 |
| 61 | Enhanced Triggering of Local Anesthetic Particles by Photosensitization and Photothermal Effect Using a Common Wavelength. <i>Nano Letters</i> , <b>2017</b> , 17, 7138-7145                            | 11.5 | 18 |
| 60 | Microgels for efficient protein purification. <i>Advanced Materials</i> , <b>2011</b> , 23, H258-62   | 24   | 18 |
| 59 | Effectiveness of muscimol-containing microparticles against pilocarpine-induced focal seizures. <i>Epilepsia</i> , <b>2002</b> , 43, 1462-8   | 6.4  | 18 |
| 58 | pH-triggered release of macromolecules from spray-dried polymethacrylate microparticles. <i>Pharmaceutical Research</i> , <b>2003</b> , 20, 1533-8  | 4.5  | 18 |
| 57 | 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> , <b>2005</b> , 352, 2223-31             | 59.2 | 18 |
| 56 | Treatment of Streptococcus pneumoniae otitis media in a chinchilla model by transtympanic delivery of antibiotics. <i>JCI Insight</i> , <b>2018</b> , 3,  | 9.9  | 18 |
| 55 | PLGA-encapsulation of the Pseudomonas aeruginosa PopB vaccine antigen improves Th17 responses and confers protection against experimental acute pneumonia. <i>Vaccine</i> , <b>2018</b> , 36, 6926-6932 | 4.1  | 18 |
| 54 | Corneal Anesthesia With Site 1 Sodium Channel Blockers and Dexmedetomidine <b>2015</b> , 56, 3820-6   |      | 17 |
| 53 | Steroid-eluting contact lenses for corneal and intraocular inflammation. <i>Acta Biomaterialia</i> , <b>2020</b> , 116, 149-161   | 10.8 | 17 |
| 52 | Prolonged Duration Local Anesthesia Using Liposomal Bupivacaine Combined With Liposomal Dexamethasone and Dexmedetomidine. <i>Anesthesia and Analgesia</i> , <b>2018</b> , 126, 1170-1175               | 3.9  | 17 |
| 51 | Prevention of peritoneal adhesions using polymeric rheological blends. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 1187-93  | 10.8 | 16 |
| 50 | Tissue Adhesives as Active Implants. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , <b>2010</b> , 39-56  | 0.5  | 16 |
| 49 | Nanoscale Bupivacaine Formulations To Enhance the Duration and Safety of Intravenous Regional Anesthesia. <i>ACS Nano</i> , <b>2019</b> , 13, 18-25   | 16.7 | 16 |
| 48 | Tetrodotoxin, Epinephrine, and Chemical Permeation Enhancer Combinations in Peripheral Nerve Blockade. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 124, 1804-1812                                   | 3.9  | 14 |



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|----|--|------|----|
| 47 | BaTiO-core Au-shell nanoparticles for photothermal therapy and bimodal imaging. <i>Acta Biomaterialia</i> , <b>2018</b> , 72, 287-294  | 10.8 | 14 |
| 46 | Long-acting liposomal corneal anesthetics. <i>Biomaterials</i> , <b>2018</b> , 181, 372-377  | 15.6 | 14 |
| 45 | Effects of Adrenergic Agonists and Antagonists on Tetrodotoxin-induced Nerve Block. <i>Regional Anesthesia and Pain Medicine</i> , <b>2001</b> , 26, 239-245   | 3.4  | 14 |
| 44 | Clinicians Perspectives on the use of drug-eluting contact lenses for the treatment of glaucoma. <i>Therapeutic Delivery</i> , <b>2014</b> , 5, 1077-83  | 3.8  | 13 |
| 43 | Functionalized Multiarmed Polycaprolactones as Biocompatible Tissue Adhesives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 17314-17320   | 9.5  | 12 |
| 42 | Light-Emitting Photon-Upconversion Nanoparticles in the Generation of Transdermal Reactive-Oxygen Species. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41737-41747                            | 9.5  | 12 |
| 41 | Delivering bioactive molecules as instructive cues to engineered tissues. <i>Expert Opinion on Drug Delivery</i> , <b>2012</b> , 9, 473-92   | 8    | 12 |
| 40 | Synergy between chemical permeation enhancers and drug permeation across the tympanic membrane. <i>Journal of Controlled Release</i> , <b>2018</b> , 289, 94-101   | 11.7 | 11 |
| 39 | A photo-triggered layered surface coating producing reactive oxygen species. <i>Biomaterials</i> , <b>2013</b> , 34, 9763-9  | 15.6 | 11 |
| 38 | Prolonged Duration Local Anesthesia by Combined Delivery of Capsaicin- and Tetrodotoxin-Loaded Liposomes. <i>Anesthesia and Analgesia</i> , <b>2019</b> , 129, 709-717   | 3.9  | 11 |
| 37 | 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> , <b>2010</b> , 92, 586-95 | 5.4  | 10 |
| 36 | Transtympanic Delivery of Local Anesthetics for Pain in Acute Otitis Media. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1555-1562   | 5.6  | 9  |
| 35 | Incorporation of heparin-binding proteins into preformed dextran sulfate-chitosan nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 6149-6159  | 7.3  | 9  |
| 34 | Enhancement of the Mechanical and Drug-Releasing Properties of Poloxamer 407 Hydrogels with Casein. <i>Pharmaceutical Research</i> , <b>2021</b> , 38, 515-522   | 4.5  | 9  |
| 33 | Synthesis of Poly(acyclic orthoester)s: Acid-Sensitive Biomaterials for Enhancing Immune Responses of Protein Vaccine. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7235-7239              | 16.4 | 8  |
| 32 | Toxicogenomic analysis of a sustained release local anesthetic delivery system. <i>Biomaterials</i> , <b>2012</b> , 33, 3586-93  | 15.6 | 8  |
| 31 | Rheological blends for drug delivery. I. Characterization in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 575-85  | 5.4  | 8  |
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| 10 | Permeation of polyethylene glycols across the tympanic membrane. <i>Giant</i> , <b>2021</b> , 6, 100057-100057  | 5.6  | 1 |
| 9  | Targeting Nanoparticles to Bioengineered Human Vascular Networks. <i>Nano Letters</i> , <b>2021</b> , 21, 6609-6616   | 11.5 | 1 |
| 8  | The Duration of Nerve Block from Local Anesthetic Formulations in Male and Female Rats. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 179  | 4.5  | 0 |
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