

# Michael J Mitchell

## List of Publications by Citations

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407  
papers

66,401  
citations

117  
h-index

254  
g-index

437  
ext. papers

76,642  
ext. citations

14.2  
avg, IF

8.36  
L-index

#	Paper	IF	Citations
407	Nanocarriers as an emerging platform for cancer therapy. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 751-60	28.7	6530
406	Designing materials for biology and medicine. <i>Nature</i> , <b>2004</b> , 428, 487-92	50.4	2634
405	Impact of nanotechnology on drug delivery. <i>ACS Nano</i> , <b>2009</b> , 3, 16-20	16.7	2337
404	Knocking down barriers: advances in siRNA delivery. <i>Nature Reviews Drug Discovery</i> , <b>2009</b> , 8, 129-38	64.1	2281
403	Physical and mechanical properties of PLA, and their functions in widespread applications - A comprehensive review. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 107, 367-392	18.5	1194
402	Nanoparticle delivery of cancer drugs. <i>Annual Review of Medicine</i> , <b>2012</b> , 63, 185-98	17.4	1176
401	CRISPR-Cas9 knockin mice for genome editing and cancer modeling. <i>Cell</i> , <b>2014</b> , 159, 440-55	56.2	1089
400	Overcoming the challenges in administering biopharmaceuticals: formulation and delivery strategies. <i>Nature Reviews Drug Discovery</i> , <b>2014</b> , 13, 655-72	64.1	1015
399	Engineering substrate topography at the micro- and nanoscale to control cell function. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5406-15	16.4	991
398	A combinatorial library of lipid-like materials for delivery of RNAi therapeutics. <i>Nature Biotechnology</i> , <b>2008</b> , 26, 561-9	44.5	908
397	Treating metastatic cancer with nanotechnology. <i>Nature Reviews Cancer</i> , <b>2011</b> , 12, 39-50	31.3	880
396	Preclinical development and clinical translation of a PSMA-targeted docetaxel nanoparticle with a differentiated pharmacological profile. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 128ra39	17.5	866
395	Bioresponsive materials. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	828
394	Delivery technologies for cancer immunotherapy. <i>Nature Reviews Drug Discovery</i> , <b>2019</b> , 18, 175-196	64.1	823
393	Engineering precision nanoparticles for drug delivery. <i>Nature Reviews Drug Discovery</i> , <b>2021</b> , 20, 101-124	64.1	822
392	Targeted delivery of cisplatin to prostate cancer cells by aptamer functionalized Pt(IV) prodrug-PLGA-PEG nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17356-61	11.5	805
391	Nanoparticle-aptamer bioconjugates: a new approach for targeting prostate cancer cells. <i>Cancer Research</i> , <b>2004</b> , 64, 7668-72	10.1	788

390	Nanostructured materials for applications in drug delivery and tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2007</b> , 18, 241-68	3.5	782
389	Biodegradable polymer scaffolds for tissue engineering. <i>Nature Biotechnology</i> , <b>1994</b> , 12, 689-93	44.5	770
388	Degradable Poly(ε-amino esters): Synthesis, Characterization, and Self-Assembly with Plasmid DNA. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 10761-10768	16.4	731
387	A controlled-release microchip. <i>Nature</i> , <b>1999</b> , 397, 335-8	50.4	715
386	Controlled delivery systems for proteins based on poly(lactic/glycolic acid) microspheres. <i>Pharmaceutical Research</i> , <b>1991</b> , 8, 713-20	4.5	693
385	Antisense c-myc oligonucleotides inhibit intimal arterial smooth muscle cell accumulation in vivo. <i>Nature</i> , <b>1992</b> , 359, 67-70	50.4	691
384	Lipid-like materials for low-dose, in vivo gene silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1864-9	11.5	633
383	Emerging Frontiers in Drug Delivery. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 704-17	16.4	625
382	Therapeutic genome editing by combined viral and non-viral delivery of CRISPR system components in vivo. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 328-33	44.5	610
381	Precise engineering of targeted nanoparticles by using self-assembled biointegrated block copolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 2586-91	11.5	596
380	Therapeutic siRNA silencing in inflammatory monocytes in mice. <i>Nature Biotechnology</i> , <b>2011</b> , 29, 1005-10	44.5	594
379	Visual evidence of acidic environment within degrading poly(lactic-co-glycolic acid) (PLGA) microspheres. <i>Pharmaceutical Research</i> , <b>2000</b> , 17, 100-6	4.5	578
378	Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates. <i>Nature Materials</i> , <b>2015</b> , 14, 643-51	27	534
377	Efficiency of siRNA delivery by lipid nanoparticles is limited by endocytic recycling. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 653-8	44.5	514
376	Engineering Stem Cell Organoids. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 25-38	18	494
375	Microfluidic technologies for accelerating the clinical translation of nanoparticles. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 623-9	28.7	489
374	In vitro and ex vivo strategies for intracellular delivery. <i>Nature</i> , <b>2016</b> , 538, 183-192	50.4	489
373	Preparation of poly(glycolic acid) bonded fiber structures for cell attachment and transplantation. <i>Journal of Biomedical Materials Research Part B</i> , <b>1993</b> , 27, 183-9		476

372	A combinatorial polymer library approach yields insight into nonviral gene delivery. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 749-59	24.3	464
371	Dynamic cell seeding of polymer scaffolds for cartilage tissue engineering. <i>Biotechnology Progress</i> , <b>1998</b> , 14, 193-202	2.8	420
370	Cardiac tissue engineering: cell seeding, cultivation parameters, and tissue construct characterization. <i>Biotechnology and Bioengineering</i> , <b>1999</b> , 64, 580-9	4.9	418
369	Advances in oligonucleotide drug delivery. <i>Nature Reviews Drug Discovery</i> , <b>2020</b> , 19, 673-694	64.1	407
368	Semi-automated synthesis and screening of a large library of degradable cationic polymers for gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3153-8	16.4	394
367	Switching from differentiation to growth in hepatocytes: control by extracellular matrix. <i>Journal of Cellular Physiology</i> , <b>1992</b> , 151, 497-505	7	394
366	A decade of progress in tissue engineering. <i>Nature Protocols</i> , <b>2016</b> , 11, 1775-81	18.8	387
365	In vivo endothelial siRNA delivery using polymeric nanoparticles with low molecular weight. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 648-655	28.7	385
364	Drug delivery by supramolecular design. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6600-6620	58.5	366
363	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , <b>2017</b> , 8, 777	17.4	362
362	Managing diabetes with nanomedicine: challenges and opportunities. <i>Nature Reviews Drug Discovery</i> , <b>2015</b> , 14, 45-57	64.1	359
361	Advances in Biomaterials for Drug Delivery. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705328	24	352
360	Self-assembled hydrogels utilizing polymer-nanoparticle interactions. <i>Nature Communications</i> , <b>2015</b> , 6, 6295	17.4	341
359	Niche-independent high-purity cultures of Lgr5+ intestinal stem cells and their progeny. <i>Nature Methods</i> , <b>2014</b> , 11, 106-12	21.6	332
358	Degradable lipid nanoparticles with predictable in vivo siRNA delivery activity. <i>Nature Communications</i> , <b>2014</b> , 5, 4277	17.4	320
357	Parallel synthesis and biophysical characterization of a degradable polymer library for gene delivery. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5316-23	16.4	320
356	Enzymatic degradation of glycosaminoglycans. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>1995</b> , 30, 387-444	8.7	317
355	Lipid Nanoparticle Assisted mRNA Delivery for Potent Cancer Immunotherapy. <i>Nano Letters</i> , <b>2017</b> , 17, 1326-1335	11.5	302

354	Prevascularization of porous biodegradable polymers. <i>Biotechnology and Bioengineering</i> , <b>1993</b> , 42, 716-239	23.9	297
353	Polymeric synthetic nanoparticles for the induction of antigen-specific immunological tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E156-65	11.5	295
352	A vector-free microfluidic platform for intracellular delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2082-7	11.5	293
351	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. <i>Chemical Reviews</i> , <b>2018</b> , 118, 7409-7531	68.1	280
350	Lipopeptide nanoparticles for potent and selective siRNA delivery in rodents and nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3955-60	11.5	275
349	Surface hydrolysis of poly(glycolic acid) meshes increases the seeding density of vascular smooth muscle cells. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 42, 417-24		274
348	Transdermal drug delivery using low-frequency sonophoresis. <i>Pharmaceutical Research</i> , <b>1996</b> , 13, 411-204.5	4.5	274
347	Combinatorial discovery of polymers resistant to bacterial attachment. <i>Nature Biotechnology</i> , <b>2012</b> , 30, 868-875	44.5	254
346	Formulation and physical characterization of large porous particles for inhalation. <i>Pharmaceutical Research</i> , <b>1999</b> , 16, 1735-42	4.5	247
345	The promise of organ and tissue preservation to transform medicine. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 530-542	44.5	246
344	Design of imidazole-containing endosomolytic biopolymers for gene delivery. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 67, 217-223	4.9	242
343	mRNA vaccine delivery using lipid nanoparticles. <i>Therapeutic Delivery</i> , <b>2016</b> , 7, 319-34	3.8	241
342	Characterization and development of RGD-peptide-modified poly(lactic acid-co-lysine) as an interactive, resorbable biomaterial. <i>Journal of Biomedical Materials Research Part B</i> , <b>1997</b> , 35, 513-23		240
341	Controlled-release of IGF-I and TGF-beta1 in a photopolymerizing hydrogel for cartilage tissue engineering. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 1098-104	3.8	234
340	Dendrimer-RNA nanoparticles generate protective immunity against lethal Ebola, H1N1 influenza, and <i>Toxoplasma gondii</i> challenges with a single dose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E4133-42	11.5	233
339	Lipid nanoparticles for mRNA delivery. <i>Nature Reviews Materials</i> , <b>2021</b> , 1-17	73.3	228
338	Nanomedicine in the Management of Microbial Infection - Overview and Perspectives. <i>Nano Today</i> , <b>2014</b> , 9, 478-498	17.9	224
337	Moisture-induced aggregation of lyophilized proteins in the solid state. <i>Biotechnology and Bioengineering</i> , <b>1991</b> , 37, 177-84	4.9	220

336	A pH-responsive supramolecular polymer gel as an enteric elastomer for use in gastric devices. <i>Nature Materials</i> , <b>2015</b> , 14, 1065-71	27	218
335	Spatially controlled cell engineering on biodegradable polymer surfaces. <i>FASEB Journal</i> , <b>1998</b> , 12, 1447-54	54.9	214
334	Transdermal monitoring of glucose and other analytes using ultrasound. <i>Nature Medicine</i> , <b>2000</b> , 6, 347-50	50.5	203
333	Delivery of mRNA vaccines with heterocyclic lipids increases anti-tumor efficacy by STING-mediated immune cell activation. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1174-1185	44.5	200
332	An inflammation-targeting hydrogel for local drug delivery in inflammatory bowel disease. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 300ra128	17.5	196
331	Long-term engraftment of hepatocytes transplanted on biodegradable polymer sponges. <i>Journal of Biomedical Materials Research Part B</i> , <b>1997</b> , 37, 413-20		196
330	Shape-memory polymer networks from oligo( $\epsilon$ -caprolactone)dimethacrylates. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 1369-1381	2.5	193
329	Enzyme thermoinactivation in anhydrous organic solvents. <i>Biotechnology and Bioengineering</i> , <b>1991</b> , 37, 843-53	4.9	185
328	Lipidoid-coated iron oxide nanoparticles for efficient DNA and siRNA delivery. <i>Nano Letters</i> , <b>2013</b> , 13, 1059-64	11.5	183
327	Small RNA combination therapy for lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3553-61	11.5	177
326	Determinants of release rate of tetanus vaccine from polyester microspheres. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 945-53	4.5	175
325	Evolution of macromolecular complexity in drug delivery systems. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	174
324	In vivo compatibility of graphene oxide with differing oxidation states. <i>ACS Nano</i> , <b>2015</b> , 9, 3866-74	16.7	172
323	Photopolymerizable degradable polyanhydrides with osteocompatibility. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 156-9	44.5	172
322	Nanotechnology for biomaterials engineering: structural characterization of amphiphilic polymeric nanoparticles by $^1\text{H}$ NMR spectroscopy. <i>Biomaterials</i> , <b>1997</b> , 18, 27-30	15.6	169
321	Mechanism of insulin aggregation and stabilization in agitated aqueous solutions. <i>Biotechnology and Bioengineering</i> , <b>1992</b> , 40, 895-903	4.9	167
320	Glucose-responsive insulin patch for the regulation of blood glucose in mice and minipigs. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 499-506	19	166
319	An ingestible self-orienting system for oral delivery of macromolecules. <i>Science</i> , <b>2019</b> , 363, 611-615	33.3	164

3 <sup>18</sup>	Sustained antigen availability during germinal center initiation enhances antibody responses to vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E6639-E6648	11.5	164
3 <sup>17</sup>	Combinatorial synthesis of chemically diverse core-shell nanoparticles for intracellular delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 12996-3001	11.5	161
3 <sup>16</sup>	Synthesis and Characterization of in Situ Cross-Linkable Hyaluronic Acid-Based Hydrogels with Potential Application for Vocal Fold Regeneration. <i>Macromolecules</i> , <b>2004</b> , 37, 3239-3248	5.5	159
3 <sup>15</sup>	Non-genetic engineering of cells for drug delivery and cell-based therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2015</b> , 91, 125-40	18.5	157
3 <sup>14</sup>	Engineering and physical sciences in oncology: challenges and opportunities. <i>Nature Reviews Cancer</i> , <b>2017</b> , 17, 659-675	31.3	153
3 <sup>13</sup>	Lectin-bearing polymerized liposomes as potential oral vaccine carriers. <i>Pharmaceutical Research</i> , <b>1996</b> , 13, 1378-83	4.5	153
3 <sup>12</sup>	Glucose-responsive insulin activity by covalent modification with aliphatic phenylboronic acid conjugates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2401-6	11.5	150
3 <sup>11</sup>	Bioprinting the Cancer Microenvironment. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 1710-1721	5.5	148
3 <sup>10</sup>	Transdermal photopolymerization of poly(ethylene oxide)-based injectable hydrogels for tissue-engineered cartilage. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 104, 1014-22	2.7	147
3 <sup>09</sup>	An elastic second skin. <i>Nature Materials</i> , <b>2016</b> , 15, 911-8	27	144
3 <sup>08</sup>	TRAIL-coated leukocytes that kill cancer cells in the circulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 930-5	11.5	143
3 <sup>07</sup>	Moisture-induced aggregation of lyophilized insulin. <i>Pharmaceutical Research</i> , <b>1994</b> , 11, 21-9	4.5	133
3 <sup>06</sup>	Controlled delivery systems for proteins using polyanhydride microspheres. <i>Pharmaceutical Research</i> , <b>1993</b> , 10, 487-96	4.5	131
3 <sup>05</sup>	Magnetically enhanced insulin release in diabetic rats. <i>Journal of Biomedical Materials Research Part B</i> , <b>1987</b> , 21, 1367-73		130
3 <sup>04</sup>	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 850-864	19	127
3 <sup>03</sup>	Materials for stem cell factories of the future. <i>Nature Materials</i> , <b>2014</b> , 13, 570-9	27	126
3 <sup>02</sup>	Ionizable Lipid Nanoparticle-Mediated mRNA Delivery for Human CAR T Cell Engineering. <i>Nano Letters</i> , <b>2020</b> , 20, 1578-1589	11.5	125
3 <sup>01</sup>	Oral, ultra-long-lasting drug delivery: Application toward malaria elimination goals. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 365ra157	17.5	125

300	Bioinspired Alkenyl Amino Alcohol Ionizable Lipid Materials for Highly Potent In Vivo mRNA Delivery. <i>Advanced Materials</i> , <b>2016</b> , 28, 2939-43	24	125
299	Computational and experimental models of cancer cell response to fluid shear stress. <i>Frontiers in Oncology</i> , <b>2013</b> , 3, 44	5.3	125
298	Selective differentiation of mammalian bone marrow stromal cells cultured on three-dimensional polymer foams. <i>Journal of Biomedical Materials Research Part B</i> , <b>2001</b> , 55, 229-35		125
297	Transdermal Photopolymerization of Poly (Ethylene Oxide)-Based Injectable Hydrogels for Tissue-Engineered Cartilage. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 104, 1014-1022	2.7	125
296	Perspectives and challenges in tissue engineering and regenerative medicine. <i>Advanced Materials</i> , <b>2009</b> , 21, 3235-6	24	121
295	Development of an oral once-weekly drug delivery system for HIV antiretroviral therapy. <i>Nature Communications</i> , <b>2018</b> , 9, 2	17.4	120
294	Hepatocyte culture on biodegradable polymeric substrates. <i>Biotechnology and Bioengineering</i> , <b>1991</b> , 38, 145-58	4.9	119
293	Inhaled Nanoformulated mRNA Polyplexes for Protein Production in Lung Epithelium. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805116	24	118
292	Parallel microfluidic synthesis of size-tunable polymeric nanoparticles using 3D flow focusing towards in vivo study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 401-9	6	117
291	An implantable microdevice to perform high-throughput in vivo drug sensitivity testing in tumors. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 284ra57	17.5	109
290	Fluid Shear Stress Sensitizes Cancer Cells to Receptor-Mediated Apoptosis via Trimeric Death Receptors. <i>New Journal of Physics</i> , <b>2013</b> , 15, 015008	2.9	107
289	Biocompatibility of polymeric delivery systems for macromolecules. <i>Journal of Biomedical Materials Research Part B</i> , <b>1981</b> , 15, 267-77		107
288	Synthesis and Biological Evaluation of Ionizable Lipid Materials for the In Vivo Delivery of Messenger RNA to B Lymphocytes. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606944	24	105
287	Creating biomimetic micro-environments with synthetic polymer-peptide hybrid molecules. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1998</b> , 9, 507-18	3.5	104
286	Clonal Expansion of Lgr5-Positive Cells from Mammalian Cochlea and High-Purity Generation of Sensory Hair Cells. <i>Cell Reports</i> , <b>2017</b> , 18, 1917-1929	10.6	103
285	Rapid Optimization of Gene Delivery by Parallel End-modification of Poly(ε-amino ester)s. <i>Molecular Therapy</i> , <b>2007</b> , 15, 1306-1312	11.7	103
284	Barcoded nanoparticles for high throughput in vivo discovery of targeted therapeutics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2060-2065	11.5	101
283	Controlled release using a new bioerodible polyphosphazene matrix system. <i>Journal of Biomedical Materials Research Part B</i> , <b>1987</b> , 21, 1231-46		101



282	Systemic RNAi-mediated Gene Silencing in Nonhuman Primate and Rodent Myeloid Cells. <i>Molecular Therapy - Nucleic Acids</i> , <b>2012</b> , 1, e4	10.7	100
281	A metalloproteinase inhibitor as an inhibitor of neovascularization. <i>Journal of Cellular Biochemistry</i> , <b>1991</b> , 47, 230-5	4.7	99
280	Prolonged energy harvesting for ingestible devices. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	98
279	Tissue engineering: a new field and its challenges. <i>Pharmaceutical Research</i> , <b>1997</b> , 14, 840-1	4.5	97
278	Genetic and hypoxic alterations of the microRNA-210-ISCU1/2 axis promote iron-sulfur deficiency and pulmonary hypertension. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 695-713	12	96
277	Applications of ethylene vinyl acetate copolymers (EVA) in drug delivery systems. <i>Journal of Controlled Release</i> , <b>2017</b> , 262, 284-295	11.7	95
276	Cooperative effects of matrix stiffness and fluid shear stress on endothelial cell behavior. <i>Biophysical Journal</i> , <b>2015</b> , 108, 471-8	2.9	95
275	Biomaterials for vaccine-based cancer immunotherapy. <i>Journal of Controlled Release</i> , <b>2018</b> , 292, 256-276	11.7	93
274	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200c-SIRT2 axis. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 445-456	23.4	90
273	Dendrimer-Inspired Nanomaterials for the in Vivo Delivery of siRNA to Lung Vasculature. <i>Nano Letters</i> , <b>2015</b> , 15, 3008-16	11.5	90
272	A novel biotinylated degradable polymer for cell-interactive applications <b>1998</b> , 58, 529-535		89
271	A luminal unfolding microneedle injector for oral delivery of macromolecules. <i>Nature Medicine</i> , <b>2019</b> , 25, 1512-1518	50.5	88
270	Ly6Clo monocytes drive immunosuppression and confer resistance to anti-VEGFR2 cancer therapy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 3039-3051	15.9	87
269	Surface-Initiated Polymerization of L-Lactide: Coating of Solid Substrates with a Biodegradable Polymer. <i>Macromolecules</i> , <b>2001</b> , 34, 5361-5363	5.5	86
268	Transdermal delivery of heparin by skin electroporation. <i>Nature Biotechnology</i> , <b>1995</b> , 13, 1205-9	44.5	85
267	Comprehensive proteomic characterization of stem cell-derived extracellular matrices. <i>Biomaterials</i> , <b>2017</b> , 128, 147-159	15.6	83
266	Proton-driven transformable nanovaccine for cancer immunotherapy. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 1053-1064	28.7	83
265	Poly(glycoamidoamine) Brushes Formulated Nanomaterials for Systemic siRNA and mRNA Delivery in Vivo. <i>Nano Letters</i> , <b>2016</b> , 16, 842-8	11.5	82

264	Nanoparticles for Immune Cytokine TRAIL-Based Cancer Therapy. <i>ACS Nano</i> , <b>2018</b> , 12, 912-931	16.7	81
263	The PDGF-BB-SOX7 axis-modulated IL-33 in pericytes and stromal cells promotes metastasis through tumour-associated macrophages. <i>Nature Communications</i> , <b>2016</b> , 7, 11385	17.4	80
262	Localized delivery of epidermal growth factor improves the survival of transplanted hepatocytes. <i>Biotechnology and Bioengineering</i> , <b>1996</b> , 50, 422-9	4.9	80
261	The influence of microstructure and monomer properties on the erosion mechanism of a class of polyanhydrides. <i>Journal of Polymer Science Part A</i> , <b>1993</b> , 31, 2445-2458	2.5	80
260	Nanoparticles with photoinduced precipitation for the extraction of pollutants from water and soil. <i>Nature Communications</i> , <b>2015</b> , 6, 7765	17.4	79
259	Nanoparticulate Drug Delivery Systems Targeting Inflammation for Treatment of Inflammatory Bowel Disease. <i>Nano Today</i> , <b>2017</b> , 16, 82-96	17.9	78
258	On the pH memory of lyophilized compounds containing protein functional groups. <i>Biotechnology and Bioengineering</i> , <b>1997</b> , 53, 345-8	4.9	78
257	Large porous particles for sustained protection from carbachol-induced bronchoconstriction in guinea pigs. <i>Pharmaceutical Research</i> , <b>1999</b> , 16, 555-61	4.5	78
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