

Samir Mitragotri

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.

299 papers	32,975 citations	88 h-index	177 g-index
326 ext. papers	38,336 ext. citations	11.8 avg, IF	8.15 L-index

#	Paper	IF	Citations
299	Differential Macrophage Responses to Gold Nanostars and Their Implication for Cancer Immunotherapy. <i>Advanced Therapeutics</i> , 2022 , 2100198	4.9	1
298	Injectable hyaluronic acid hydrogels encapsulating drug nanocrystals for long-term treatment of inflammatory arthritis.. <i>Bioengineering and Translational Medicine</i> , 2022 , 7, e10245	14.8	3
297	Viral vector-based gene therapies in the clinic.. <i>Bioengineering and Translational Medicine</i> , 2022 , 7, e10258	14.8	8
296	Ionic Liquid-Mediated Transdermal Delivery of Thrombosis-Detecting Nanosensors.. <i>Advanced Healthcare Materials</i> , 2022 , e2102685	10.1	2
295	Strategies to improve the EPR effect: A mechanistic perspective and clinical translation.. <i>Journal of Controlled Release</i> , 2022 , 345, 512-536	11.7	2
294	Supramolecular arrangement of protein in nanoparticle structures predicts nanoparticle tropism for neutrophils in acute lung inflammation. <i>Nature Nanotechnology</i> , 2021 ,	28.7	13
293	Imiquimod-gemcitabine nanoparticles harness immune cells to suppress breast cancer. <i>Biomaterials</i> , 2021 , 280, 121302	15.6	1
292	Choline-Geranate Deep Eutectic Solvent Improves Stability and Half-Life of Glucagon-Like Peptide-1. <i>Advanced Therapeutics</i> , 2021 , 4, 2000180	4.9	2
291	The evolution of commercial drug delivery technologies. <i>Nature Biomedical Engineering</i> , 2021 , 5, 951-967	11.9	117
290	Modulation of Gastrointestinal Mucus Properties with Ionic Liquids for Drug Delivery. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002192	10.1	5
289	Formulation-based approaches for dermal delivery of vaccines and therapeutic nucleic acids: Recent advances and future perspectives. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10215	14.8	3
288	Ionic Liquid-Enabled Topical Delivery of Immunomodulators. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2783-2790	5.5	4
287	Covalently Crosslinked Hydrogels via Step-Growth Reactions: Crosslinking Chemistries, Polymers, and Clinical Impact. <i>Advanced Materials</i> , 2021 , 33, e2006362	24	23
286	Hyaluronic acid conjugates for topical treatment of skin cancer lesions. <i>Science Advances</i> , 2021 , 7,	14.3	2
285	A dual macrophage polarizer conjugate for synergistic melanoma therapy. <i>Journal of Controlled Release</i> , 2021 , 335, 333-344	11.7	1
284	Hyaluronic acid-doxorubicin nanoparticles for targeted treatment of colorectal cancer. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10166	14.8	3
283	Noninvasive Assessment of Epidermal Genomic Markers of UV Exposure in Skin. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 124-131.e2	4.3	2

282	Clinical translation of choline and geranic acid deep eutectic solvent. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10191	14.8	10
281	Enhancement of Anticancer Efficacy and Tumor Penetration of Sorafenib by Ionic Liquids. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001455	10.1	8
280	Systemic tumour suppression via the preferential accumulation of erythrocyte-anchored chemokine-encapsulating nanoparticles in lung metastases. <i>Nature Biomedical Engineering</i> , 2021 , 5, 441-454	18.4	22
279	Cell-bound nanoparticles for tissue targeting and immunotherapy: Engineering of the particle-membrane interface. <i>Current Opinion in Colloid and Interface Science</i> , 2021 , 52, 101408	7.6	2
278	Gemcitabine and doxorubicin in immunostimulatory monophosphoryl lipid A liposomes for treating breast cancer. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10188	14.8	7
277	Optimized 5-Fluorouridine Prodrug for Co-Loading with Doxorubicin in Clinically Relevant Liposomes. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
276	Percutaneous liquid ablation agent for tumor treatment and drug delivery. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	9
275	Enhancement of elastin expression by transdermal administration of sialidase isozyme Neu2. <i>Scientific Reports</i> , 2021 , 11, 3302	4.9	5
274	Overcoming biological barriers to improve solid tumor immunotherapy. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 2276-2301	6.2	4
273	Cell therapies in the clinic. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10214	14.8	15
272	Recent Advances in Ionic Liquids in Biomedicine. <i>Advanced Science</i> , 2021 , 8, e2004819	13.6	23
271	Red Blood Cell Hitchhiking: A Novel Approach for Vascular Delivery of Nanocarriers. <i>Annual Review of Biomedical Engineering</i> , 2021 , 23, 225-248	12	17
270	Nanoparticles in the clinic: An update post COVID-19 vaccines. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10246	14.8	34
269	A Deep Eutectic Solvent-Based Approach to Intravenous Formulation. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100585	10.1	4
268	Red blood cells: The metamorphosis of a neglected carrier into the natural mothership for artificial nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2021 , 178, 113992	18.5	5
267	Topical treatment of periodontitis using an iongel. <i>Biomaterials</i> , 2021 , 276, 121069	15.6	4
266	Bioinspired particle engineering for non-invasive inhaled drug delivery to the lungs. <i>Materials Science and Engineering C</i> , 2021 , 128, 112324	8.3	2
265	Non-spherical micro- and nanoparticles for drug delivery: Progress over 150 years. <i>Advanced Drug Delivery Reviews</i> , 2021 , 177, 113807	18.5	9

264	The Search for Antifungal Prophylaxis After Artificial Corneal Surgery-An In Vitro Study. <i>Cornea</i> , 2020 , 39, 1547-1555	3.1	3
263	Engineering of Living Cells with Polyphenol-Functionalized Biologically Active Nanocomplexes. <i>Advanced Materials</i> , 2020 , 32, e2003492	24	17
262	Nanocarrier-Mediated Cytosolic Delivery of Biopharmaceuticals. <i>Advanced Functional Materials</i> , 2020 , 30, 1910566	15.6	42
261	Topical Application of Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells in Combination with Sponge Spicules for Treatment of Photoaging. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2859-2872	7.3	17
260	Nanoparticles for topical drug delivery: Potential for skin cancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2020 , 153, 87-108	18.5	33
259	Vascular Drug Delivery Using Carrier Red Blood Cells: Focus on RBC Surface Loading and Pharmacokinetics. <i>Pharmaceutics</i> , 2020 , 12,	6.4	29
258	Coupled influences of particle shape, surface property and flow hydrodynamics on rod-shaped colloid transport in porous media. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 471-480	9.3	12
257	Physical triggering strategies for drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020 , 158, 36-62	18.5	21
256	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. <i>Journal of Controlled Release</i> , 2020 , 322, 602-609	11.7	30
255	Reply to Peiretti et al.: Effect of CAGE on fat uptake and food intake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8249	11.5	
254	Molecular mechanism of the skin permeation enhancing effect of ethanol: a molecular dynamics study.. <i>RSC Advances</i> , 2020 , 10, 12234-12248	3.7	13
253	Hydrogels in the clinic. <i>Bioengineering and Translational Medicine</i> , 2020 , 5, e10158	14.8	97
252	Ionic Liquids and Deep Eutectic Solvents for Enhanced Delivery of Antibodies in the Gastrointestinal Tract. <i>Advanced Functional Materials</i> , 2020 , 2002912	15.6	20
251	Permeation of nanoparticles across the intestinal lipid membrane: dependence on shape and surface chemistry studied through molecular simulations. <i>Nanoscale</i> , 2020 , 12, 6318-6333	7.7	25
250	Layered self-assemblies for controlled drug delivery: A translational overview. <i>Biomaterials</i> , 2020 , 242, 119929	15.6	22
249	Development of inhalable quinacrine loaded bovine serum albumin modified cationic nanoparticles: Repurposing quinacrine for lung cancer therapeutics. <i>International Journal of Pharmaceutics</i> , 2020 , 577, 118995	6.5	35
248	Cellular backpacks for macrophage immunotherapy. <i>Science Advances</i> , 2020 , 6, eaaz6579	14.3	100
247	Targeting Strategies for Tissue-Specific Drug Delivery. <i>Cell</i> , 2020 , 181, 151-167	56.2	146

246	Design principles of drug combinations for chemotherapy. <i>Journal of Controlled Release</i> , 2020 , 323, 36-46	11.7	20
245	Topical delivery of siRNA into skin using ionic liquids. <i>Journal of Controlled Release</i> , 2020 , 323, 475-482	11.7	26
244	Correlations Between Skin Barrier Integrity and Delivery of Hydrophilic Molecules in the Presence of Penetration Enhancers. <i>Pharmaceutical Research</i> , 2020 , 37, 100	4.5	4
243	Materials for oral delivery of proteins and peptides. <i>Nature Reviews Materials</i> , 2020 , 5, 127-148	73.3	129
242	Macrophage-Mediated Delivery of Hypoxia-Activated Prodrug Nanoparticles. <i>Advanced Therapeutics</i> , 2020 , 3, 1900162	4.9	10
241	Drug delivery to macrophages: A review of targeting drugs and drug carriers to macrophages for inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2020 , 165-166, 15-40	18.5	75
240	Size, shape, and flexibility influence nanoparticle transport across brain endothelium under flow. <i>Bioengineering and Translational Medicine</i> , 2020 , 5, e10153	14.8	44
239	Multifunctional Synthetic Protein Nanoparticles via Reactive Electrojetting. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000425	4.8	8
238	Amphiphilic Polyacrylamide Excipients Lead to a Record-Breaking Fast-Acting Insulin. <i>Trends in Pharmacological Sciences</i> , 2020 , 41, 681-684	13.2	1
237	Ionic-Liquid-Based Safe Adjuvants. <i>Advanced Materials</i> , 2020 , 32, e2002990	24	8
236	Erythrocyte-driven immunization via biomimicry of their natural antigen-presenting function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17727-17736	11.5	41
235	Protein-avoidant ionic liquid (PAIL)-coated nanoparticles to increase bloodstream circulation and drive biodistribution. <i>Science Advances</i> , 2020 , 6,	14.3	9
234	Treatment of psoriasis with NFKBIZ siRNA using topical ionic liquid formulations. <i>Science Advances</i> , 2020 , 6, eabb6049	14.3	22
233	Skin Delivery of siRNA Using Sponge Spicules in Combination with Cationic Flexible Liposomes. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 20, 639-648	10.7	15
232	Ionic liquid-mediated delivery of insulin to buccal mucosa. <i>Journal of Controlled Release</i> , 2020 , 327, 26-34	11.7	31
231	A polymer-based systemic hemostatic agent. <i>Science Advances</i> , 2020 , 6, eaba0588	14.3	27
230	Hyaluronic Acid Conjugates of Vorinostat and Bexarotene for Treatment of Cutaneous Malignancies. <i>Advanced Therapeutics</i> , 2020 , 3, 2000116	4.9	2
229	Programmable Delivery of Synergistic Cancer Drug Combinations Using Bicompartamental Nanoparticles. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000564	10.1	9

228	Comparison of Ionic Liquids and Chemical Permeation Enhancers for Transdermal Drug Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 2004257	15.6	14
227	Effect of Nanoparticle Composition, Size, Shape, and Stiffness on Penetration Across the Blood-Brain Barrier. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4916-4928	5.5	35
226	Mucoadhesive Ionic Liquid Gel Patches for Oral Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020 ,	5.5	10
225	Harnessing cells to deliver nanoparticle drugs to treat cancer. <i>Biotechnology Advances</i> , 2020 , 42, 107339	17.8	31
224	Delivery Strategies for Skin: Comparison of Nanoliter Jets, Needles and Topical Solutions. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 2028-2039	4.7	18
223	Delivery of Nanoparticles and Macromolecules across the BloodBrain Barrier. <i>Advanced Therapeutics</i> , 2020 , 3, 1900073	4.9	17
222	Materials for Immunotherapy. <i>Advanced Materials</i> , 2020 , 32, e1901633	24	78
221	Stabilization and Topical Skin Delivery of Framework Nucleic Acids using Ionic Liquids. <i>Advanced Therapeutics</i> , 2020 , 3, 2000041	4.9	9
220	Investigating the potential use of an ionic liquid (1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide) as an anti-fungal treatment against the amphibian chytrid fungus, <i>Batrachochytrium dendrobatidis</i> . <i>PLoS ONE</i> , 2020 , 15, e0231811	3.7	3
219	Mechanistic study of transdermal delivery of macromolecules assisted by ionic liquids. <i>Journal of Controlled Release</i> , 2019 , 311-312, 162-169	11.7	43
218	Intestinal iontophoresis from mucoadhesive patches: a strategy for oral delivery. <i>Journal of Controlled Release</i> , 2019 , 297, 71-78	11.7	26
217	Role of synergy and immunostimulation in design of chemotherapy combinations: An analysis of doxorubicin and camptothecin. <i>Bioengineering and Translational Medicine</i> , 2019 , 4, e10129	14.8	11
216	The Influence of Water on Choline-Based Ionic Liquids. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3645-3653	5.5	24
215	Design Principles of Ionic Liquids for Transdermal Drug Delivery. <i>Advanced Materials</i> , 2019 , 31, e1901103	24	65
214	Immunological consequences of chemotherapy: Single drugs, combination therapies and nanoparticle-based treatments. <i>Journal of Controlled Release</i> , 2019 , 305, 130-154	11.7	23
213	Effect of Chemical Permeation Enhancers on Skin Permeability: In silico screening using Molecular Dynamics simulations. <i>Scientific Reports</i> , 2019 , 9, 1456	4.9	51
212	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
211	Nanoparticles in the clinic: An update. <i>Bioengineering and Translational Medicine</i> , 2019 , 4, e10143	14.8	558

210	Skin delivery of hyaluronic acid by the combined use of sponge spicules and flexible liposomes. <i>Biomaterials Science</i> , 2019 , 7, 1299-1310	7.4	12
209	Erythrocyte leveraged chemotherapy (ELEct): Nanoparticle assembly on erythrocyte surface to combat lung metastasis. <i>Science Advances</i> , 2019 , 5, eaax9250	14.3	55
208	Transdermal delivery of nobiletin using ionic liquids. <i>Scientific Reports</i> , 2019 , 9, 20191	4.9	26
207	Oral ionic liquid for the treatment of diet-induced obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25042-25047	11.5	15
206	Treating Tumors at Low Drug Doses Using an Aptamer-Peptide Synergistic Drug Conjugate. <i>Angewandte Chemie</i> , 2019 , 131, 1451-1455	3.6	7
205	A microfluidic model of human brain (HuB) for assessment of blood brain barrier. <i>Bioengineering and Translational Medicine</i> , 2019 , 4, e10126	14.8	39
204	Nanocrystals: A perspective on translational research and clinical studies. <i>Bioengineering and Translational Medicine</i> , 2019 , 4, 5-16	14.8	47
203	Effect of physicochemical and surface properties on in vivo fate of drug nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2019 , 143, 3-21	18.5	151
202	Cyclodextrin modified erlotinib loaded PLGA nanoparticles for improved therapeutic efficacy against non-small cell lung cancer. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 338-347	7.9	63
201	Shape-based separation of synthetic microparticles. <i>Nature Materials</i> , 2019 , 18, 82-89	27	18
200	Treating Tumors at Low Drug Doses Using an Aptamer-Peptide Synergistic Drug Conjugate. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1437-1441	16.4	27
199	Non-invasive delivery strategies for biologics. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 19-40	64.1	223
198	Nanoparticle Properties Modulate Their Attachment and Effect on Carrier Red Blood Cells. <i>Scientific Reports</i> , 2018 , 8, 1615	4.9	50
197	Ionic liquids for addressing unmet needs in healthcare. <i>Bioengineering and Translational Medicine</i> , 2018 , 3, 7-25	14.8	82
196	Detachment of ligands from nanoparticle surface under flow and endothelial cell contact: Assessment using microfluidic devices. <i>Bioengineering and Translational Medicine</i> , 2018 , 3, 148-155	14.8	8
195	Transdermal immunomodulation: Principles, advances and perspectives. <i>Advanced Drug Delivery Reviews</i> , 2018 , 127, 3-19	18.5	49
194	Macrophage-mediated delivery of light activated nitric oxide prodrugs with spatial, temporal and concentration control. <i>Chemical Science</i> , 2018 , 9, 3729-3741	9.4	50
193	Controlling Complex Nanoemulsion Morphology Using Asymmetric Cosurfactants for the Preparation of Polymer Nanocapsules. <i>Langmuir</i> , 2018 , 34, 978-990	4	17

192	Influence of particle size and shape on their margination and wall-adhesion: implications in drug delivery vehicle design across nano-to-micro scale. <i>Nanoscale</i> , 2018 , 10, 15350-15364	7.7	94
191	Red blood cell-hitchhiking boosts delivery of nanocarriers to chosen organs by orders of magnitude. <i>Nature Communications</i> , 2018 , 9, 2684	17.4	135
190	Transdermal insulin delivery using choline-based ionic liquids (CAGE). <i>Journal of Controlled Release</i> , 2018 , 286, 137-144	11.7	85
189	Schedule dependent synergy of gemcitabine and doxorubicin: Improvement of in vitro efficacy and lack of in vitro-in vivo correlation. <i>Bioengineering and Translational Medicine</i> , 2018 , 3, 49-57	14.8	16
188	Reply to Rogers and Gurau: Definitions of ionic liquids and deep eutectic solvents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11000-E11001	11.5	24
187	Surface-Functionalized Carrier-Free Drug Nanorods for Leukemia. <i>Advanced Therapeutics</i> , 2018 , 1, 1800049	11.9	8
186	Mechanism of Antibacterial Activity of Choline-Based Ionic Liquids (CAGE). <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2370-2379	5.5	53
185	Nanoparticle transport across model cellular membranes: when do solubility-diffusion models break down?. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 294004	3	10
184	Ionic liquids for oral insulin delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7296-7301	11.5	181
183	Impact of particle elasticity on particle-based drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2017 , 108, 51-67	18.5	234
182	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. <i>Nature Chemistry</i> , 2017 , 9, 537-545	17.6	273
181	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. <i>Journal of Controlled Release</i> , 2017 , 246, 183-184	11.7	45
180	Intestinal micropatches for oral insulin delivery. <i>Journal of Drug Targeting</i> , 2017 , 25, 608-615	5.4	24
179	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. <i>Nature Nanotechnology</i> , 2017 , 12, 589-594	28.7	121
178	Sonophoresis: Ultrasound-Mediated Transdermal Drug Delivery 2017 , 3-14		4
177	Synthesis of Oil-Laden Poly(ethylene glycol) Diacrylate Hydrogel Nanocapsules from Double Nanoemulsions. <i>Langmuir</i> , 2017 , 33, 6116-6126	4	16
176	Transdermal Protein Delivery Using Choline and Geranate (CAGE) Deep Eutectic Solvent. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601411	10.1	101
175	A hyaluronic acid conjugate engineered to synergistically and sequentially deliver gemcitabine and doxorubicin to treat triple negative breast cancer. <i>Journal of Controlled Release</i> , 2017 , 267, 191-202	11.7	51

174	Intestinal patch systems for oral drug delivery. <i>Current Opinion in Pharmacology</i> , 2017 , 36, 58-65	5.1	37
173	A review on engineering polymer drug conjugates to improve combination chemotherapy. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 31, 75-85	7.6	48
172	Skin Delivery of Hydrophilic Biomacromolecules Using Marine Sponge Spicules. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3188-3200	5.6	14
171	Influence of Particle Geometry on Gastrointestinal Transit and Absorption following Oral Administration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42492-42502	9.5	37
170	Microfluidic co-culture devices to assess penetration of nanoparticles into cancer cell mass. <i>Bioengineering and Translational Medicine</i> , 2017 , 2, 268-277	14.8	20
169	Role of nanoparticle size, shape and surface chemistry in oral drug delivery. <i>Journal of Controlled Release</i> , 2016 , 238, 176-185	11.7	367
168	Intestinal mucoadhesive devices for oral delivery of insulin. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 338-346	14.8	59
167	Therapeutic RNAi robed with ionic liquid moieties as a simple, scalable prodrug platform for treating skin disease. <i>Journal of Controlled Release</i> , 2016 , 242, 80-88	11.7	38
166	Choline and Geranate Deep Eutectic Solvent as a Broad-Spectrum Antiseptic Agent for Preventive and Therapeutic Applications. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1282-9	10.1	62
165	De Novo Design of Skin-Penetrating Peptides for Enhanced Transdermal Delivery of Peptide Drugs. <i>Advanced Healthcare Materials</i> , 2016 , 5, 602-9	10.1	33
164	Delivery of Exenatide and Insulin Using Mucoadhesive Intestinal Devices. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1993-2007	4.7	33
163	Mechanistic Analysis of Cellular Internalization of a Cell- and Skin-Penetrating Peptide. <i>Regenerative Engineering and Translational Medicine</i> , 2016 , 2, 23-36	2.4	3
162	Non-affinity factors modulating vascular targeting of nano- and microcarriers. <i>Advanced Drug Delivery Reviews</i> , 2016 , 99, 97-112	18.5	56
161	The Effect of Polymeric Nanoparticles on Biocompatibility of Carrier Red Blood Cells. <i>PLoS ONE</i> , 2016 , 11, e0152074	3.7	66
160	Angle-dependent light scattering by highly uniform colloidal rod-shaped microparticles: Experiment and simulation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1889-1895	2.6	3
159	A chemical engineering perspective of nanoparticle-based targeted drug delivery: A unit process approach. <i>AIChE Journal</i> , 2016 , 62, 966-974	3.6	6
158	DAFODIL: A novel liposome-encapsulated synergistic combination of doxorubicin and 5FU for low dose chemotherapy. <i>Journal of Controlled Release</i> , 2016 , 229, 154-162	11.7	45
157	Red blood cells: Supercarriers for drugs, biologicals, and nanoparticles and inspiration for advanced delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2016 , 106, 88-103	18.5	188

156	Low-molecular-weight polymer-drug conjugates for synergistic anticancer activity of camptothecin and doxorubicin combinations. <i>Nanomedicine</i> , 2016 , 11, 1139-51	5.6	40
155	Nanoparticles in the clinic. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 10-29	14.8	776
154	Topical delivery of Cyclosporine A into the skin using SPACE-peptide. <i>Journal of Controlled Release</i> , 2015 , 199, 190-7	11.7	30
153	Elasticity of nanoparticles influences their blood circulation, phagocytosis, endocytosis, and targeting. <i>ACS Nano</i> , 2015 , 9, 3169-77	16.7	340
152	Ultrasonic delivery of silica-gold nanoshells for photothermolysis of sebaceous glands in humans: Nanotechnology from the bench to clinic. <i>Journal of Controlled Release</i> , 2015 , 206, 30-6	11.7	44
151	Exploiting shape, cellular-hitchhiking and antibodies to target nanoparticles to lung endothelium: Synergy between physical, chemical and biological approaches. <i>Biomaterials</i> , 2015 , 68, 1-8	15.6	57
150	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015 , 9, 6644-54	16.7	220
149	Enhanced epidermal localization of topically applied steroids using SPACE-peptide. <i>Drug Delivery and Translational Research</i> , 2015 , 5, 523-30	6.2	2
148	A Review of Clinical Translation of Inorganic Nanoparticles. <i>AAPS Journal</i> , 2015 , 17, 1041-54	3.7	310
147	Synergistic antitumor activity of camptothecin-doxorubicin combinations and their conjugates with hyaluronic acid. <i>Journal of Controlled Release</i> , 2015 , 210, 198-207	11.7	77
146	Shape and size-dependent immune response to antigen-carrying nanoparticles. <i>Journal of Controlled Release</i> , 2015 , 220, 141-148	11.7	180
145	Nucleic acid delivery into skin for the treatment of skin disease: Proofs-of-concept, potential impact, and remaining challenges. <i>Journal of Controlled Release</i> , 2015 , 219, 445-456	11.7	53
144	Monocyte-mediated delivery of polymeric backpacks to inflamed tissues: a generalized strategy to deliver drugs to treat inflammation. <i>Journal of Controlled Release</i> , 2015 , 199, 29-36	11.7	94
143	Synthesis and characterization of a self-fluorescent hyaluronic acid-based gel for dermal applications. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2297-305	10.1	11
142	Formulating propranolol as an amorphous melt affords reduced skin irritation potential for transdermal drug delivery 2015 , 03, 214-238		3
141	Peptides as skin penetration enhancers: mechanisms of action. <i>Journal of Controlled Release</i> , 2015 , 199, 168-78	11.7	88
140	An overview of clinical and commercial impact of drug delivery systems. <i>Journal of Controlled Release</i> , 2014 , 190, 15-28	11.7	293
139	Cell-mediated delivery of nanoparticles: taking advantage of circulatory cells to target nanoparticles. <i>Journal of Controlled Release</i> , 2014 , 190, 531-41	11.7	180

138	Vascular targeting of nanocarriers: perplexing aspects of the seemingly straightforward paradigm. <i>ACS Nano</i> , 2014 , 8, 4100-32	16.7	127
137	MoS ₂ field-effect transistor for next-generation label-free biosensors. <i>ACS Nano</i> , 2014 , 8, 3992-4003	16.7	704
136	Platelet-like nanoparticles: mimicking shape, flexibility, and surface biology of platelets to target vascular injuries. <i>ACS Nano</i> , 2014 , 8, 11243-53	16.7	228
135	Ionic liquids as a class of materials for transdermal delivery and pathogen neutralization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13313-8	11.5	184
134	Overcoming the challenges in administering biopharmaceuticals: formulation and delivery strategies. <i>Nature Reviews Drug Discovery</i> , 2014 , 13, 655-72	64.1	1015
133	Organic nanoparticles for drug delivery and imaging. <i>MRS Bulletin</i> , 2014 , 39, 219-223	3.2	58
132	Topical delivery of siRNA into skin using SPACE-peptide carriers. <i>Journal of Controlled Release</i> , 2014 , 179, 33-41	11.7	77
131	Topical delivery of hyaluronic acid into skin using SPACE-peptide carriers. <i>Journal of Controlled Release</i> , 2014 , 173, 67-74	11.7	78
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