Samir Mitragotri

List of Publications by Year
in descending order

316 papers	44,327 citations	2423 97 h-index	2171 202 g-index
326 all docs	326 docs citations	326 times ranked	39971 citing authors

#	Article	IF	Citations
1	Mucoadhesive Ionic Liquid Gel Patches for Oral Delivery. ACS Biomaterials Science and Engineering, 2023, 9, 2838-2845.	2.6	20
2	<scp>RNA</scp> therapeutics in the clinic. Bioengineering and Translational Medicine, 2023, 8, .	3.9	31
3	Injectable hyaluronic acid hydrogels encapsulating drug nanocrystals for longâ€term treatment of inflammatory arthritis. Bioengineering and Translational Medicine, 2022, 7, e10245.	3.9	14
4	Viral <scp>vectorâ€based</scp> gene therapies in the clinic. Bioengineering and Translational Medicine, 2022, 7, e10258.	3.9	97
5	Supramolecular arrangement of protein in nanoparticle structures predicts nanoparticle tropism for neutrophils in acute lung inflammation. Nature Nanotechnology, 2022, 17, 86-97.	15.6	57
6	Imiquimod-gemcitabine nanoparticles harness immune cells to suppress breast cancer. Biomaterials, 2022, 280, 121302.	5.7	23
7	Differential Macrophage Responses to Gold Nanostars and Their Implication for Cancer Immunotherapy. Advanced Therapeutics, 2022, 5, .	1.6	6
8	A deep eutectic-based, self-emulsifying subcutaneous depot system for apomorphine therapy in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
9	Hyaluronic Acid Nanoparticles for Immunogenic Chemotherapy of Leukemia and T-Cell Lymphoma. Pharmaceutics, 2022, 14, 466.	2.0	6
10	Ionic Liquidâ€Mediated Transdermal Delivery of Thrombosisâ€Detecting Nanosensors. Advanced Healthcare Materials, 2022, 11, e2102685.	3.9	9
11	Dual Affinity to RBCs and Target Cells (DART) Enhances Both Organ- and Cell Type-Targeting of Intravascular Nanocarriers. ACS Nano, 2022, 16, 4666-4683.	7.3	24
12	Strategies to improve the EPR effect: A mechanistic perspective and clinical translation. Journal of Controlled Release, 2022, 345, 512-536.	4.8	75
13	Nanoparticle Properties Influence Transendothelial Migration of Monocytes. Langmuir, 2022, 38, 5603-5616.	1.6	5
14	Modularity of RBC hitchhiking with polymeric nanoparticles: testing the limits of non-covalent adsorption. Journal of Nanobiotechnology, 2022, 20, .	4.2	9
15	Red Blood Cell Anchoring Enables Targeted Transduction and Reâ€Administration of AAVâ€Mediated Gene Therapy. Advanced Science, 2022, 9, .	5.6	13
16	Ionic Liquids and Deep Eutectic Solvents for Enhanced Delivery of Antibodies in the Gastrointestinal Tract. Advanced Functional Materials, 2021, 31, 2002912.	7.8	49
17	Hyaluronic a<scp>cidâ€“doxorubicin</scp> nanoparticles for targeted treatment of colorectal cancer. Bioengineering and Translational Medicine, 2021, 6, e10166.	3.9	19
18	Noninvasive Assessment of Epidermal Genomic Markers of UV Exposure in Skin. Journal of Investigative Dermatology, 2021, 141, 124-131.e2.	0.3	6

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19	Clinical translation of choline and geranic acid deep eutectic solvent. Bioengineering and Translational Medicine, 2021, 6, e10191.	3.9	32
20	Enhancement of Anticancer Efficacy and Tumor Penetration of Sorafenib by Ionic Liquids. Advanced Healthcare Materials, 2021, 10, e2001455.	3.9	20
21	Systemic tumour suppression via the preferential accumulation of erythrocyte-anchored chemokine-encapsulating nanoparticles in lung metastases. Nature Biomedical Engineering, 2021, 5, 441-454.	11.6	57
22	Cell-bound nanoparticles for tissue targeting and immunotherapy: Engineering of the particleâ€"membrane interface. Current Opinion in Colloid and Interface Science, 2021, 52, 101408.	3.4	16
23	Gemcitabine and doxorubicin in immunostimulatory monophosphoryl lipid A liposomes for treating breast cancer. Bioengineering and Translational Medicine, 2021, 6, e10188.	3.9	14
24	Optimized 5-Fluorouridine Prodrug for Co-Loading with Doxorubicin in Clinically Relevant Liposomes. Pharmaceutics, 2021, 13, 107.	2.0	4
25	Percutaneous liquid ablation agent for tumor treatment and drug delivery. Science Translational Medicine, 2021, 13, .	5.8	25
26	Enhancement of elastin expression by transdermal administration of sialidase isozyme Neu2. Scientific Reports, 2021, 11, 3302.	1.6	8
27	Overcoming biological barriers to improve solid tumor immunotherapy. Drug Delivery and Translational Research, 2021, 11, 2276-2301.	3.0	11
28	Cell therapies in the clinic. Bioengineering and Translational Medicine, 2021, 6, e10214.	3.9	68
29	The evolution of commercial drug delivery technologies. Nature Biomedical Engineering, 2021, 5, 951-967.	11.6	539
30	Modulation of Gastrointestinal Mucus Properties with Ionic Liquids for Drug Delivery. Advanced Healthcare Materials, 2021, 10, e2002192.	3.9	27
31	Formulationâ€based approaches for dermal delivery of vaccines and therapeutic nucleic acids: Recent advances and future perspectives. Bioengineering and Translational Medicine, 2021, 6, e10215.	3.9	9
32	Ionic Liquid-Enabled Topical Delivery of Immunomodulators. ACS Biomaterials Science and Engineering, 2021, 7, 2783-2790.	2.6	12
33	Covalently Crosslinked Hydrogels via Stepâ€Growth Reactions: Crosslinking Chemistries, Polymers, and Clinical Impact. Advanced Materials, 2021, 33, e2006362.	11.1	95
34	Hyaluronic acid conjugates for topical treatment of skin cancer lesions. Science Advances, 2021, 7, .	4.7	15
35	A dual macrophage polarizer conjugate for synergistic melanoma therapy. Journal of Controlled Release, 2021, 335, 333-344.	4.8	14
36	Recent Advances in Ionic Liquids in Biomedicine. Advanced Science, 2021, 8, e2004819.	5.6	112

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37	Red Blood Cell Hitchhiking: A Novel Approach for Vascular Delivery of Nanocarriers. Annual Review of Biomedical Engineering, 2021, 23, 225-248.	5.7	62
38	Nanoparticles in the clinic: An update post <scp>COVID</scp>â€19 vaccines. Bioengineering and Translational Medicine, 2021, 6, e10246.	3.9	173
39	A Deep Eutectic Solventâ€Based Approach to Intravenous Formulation. Advanced Healthcare Materials, 2021, 10, e2100585.	3.9	13
40	Red blood cells: The metamorphosis of a neglected carrier into the natural mothership for artificial nanocarriers. Advanced Drug Delivery Reviews, 2021, 178, 113992.	6.6	43
41	Topical treatment of periodontitis using an iongel. Biomaterials, 2021, 276, 121069.	5.7	16
42	Bioinspired particle engineering for non-invasive inhaled drug delivery to the lungs. Materials Science and Engineering C, 2021, 128, 112324.	3.8	7
43	Non-spherical micro- and nanoparticles for drug delivery: Progress over 15Âyears. Advanced Drug Delivery Reviews, 2021, 177, 113807.	6.6	58
44	Cholineâ€Geranate Deep Eutectic Solvent Improves Stability and Halfâ€Life of Glucagonâ€Like Peptideâ€1. Advanced Therapeutics, 2021, 4, .	1.6	10
45	Harnessing cells to deliver nanoparticle drugs to treat cancer. Biotechnology Advances, 2020, 42, 107339.	6.0	39
46	Delivery Strategies for Skin: Comparison of Nanoliter Jets, Needles and Topical Solutions. Annals of Biomedical Engineering, 2020, 48, 2028-2039.	1.3	34
47	Delivery of Nanoparticles and Macromolecules across the Bloodâ€"Brain Barrier. Advanced Therapeutics, 2020, 3, 1900073.	1.6	30
48	Materials for Immunotherapy. Advanced Materials, 2020, 32, e1901633.	11.1	132
49	Materials for oral delivery of proteins and peptides. Nature Reviews Materials, 2020, 5, 127-148.	23.3	275
50	Macrophageâ€Mediated Delivery of Hypoxiaâ€Activated Prodrug Nanoparticles. Advanced Therapeutics, 2020, 3, 1900162.	1.6	22
51	Drug delivery to macrophages: A review of targeting drugs and drug carriers to macrophages for inflammatory diseases. Advanced Drug Delivery Reviews, 2020, 165-166, 15-40.	6.6	146
52	Size, shape, and flexibility influence nanoparticle transport across brain endothelium under flow. Bioengineering and Translational Medicine, 2020, 5, e10153.	3.9	99
53	Multifunctional Synthetic Protein Nanoparticles via Reactive Electrojetting. Macromolecular Rapid Communications, 2020, 41, e2000425.	2.0	14
54	Amphiphilic Polyacrylamide Excipients Lead to a Record-Breaking Fast-Acting Insulin. Trends in Pharmacological Sciences, 2020, 41, 681-684.	4.0	2

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55	Ionicâ€Liquidâ€Based Safe Adjuvants. Advanced Materials, 2020, 32, e2002990.	11.1	22
56	Erythrocyte-driven immunization via biomimicry of their natural antigen-presenting function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17727-17736.	3.3	70
57	Protein-avoidant ionic liquid (PAIL)â€“coated nanoparticles to increase bloodstream circulation and drive biodistribution. Science Advances, 2020, 6, .	4.7	33
58	Treatment of psoriasis with NFKBIZ siRNA using topical ionic liquid formulations. Science Advances, 2020, 6, eabb6049.	4.7	52
59	Skin Delivery of siRNA Using Sponge Spicules in Combination with Cationic Flexible Liposomes. Molecular Therapy - Nucleic Acids, 2020, 20, 639-648.	2.3	24
60	Ionic liquid-mediated delivery of insulin to buccal mucosa. Journal of Controlled Release, 2020, 327, 26-34.	4.8	71
61	A polymer-based systemic hemostatic agent. Science Advances, 2020, 6, eaba0588.	4.7	69
62	Hyaluronic Acid Conjugates of Vorinostat and Bexarotene for Treatment of Cutaneous Malignancies. Advanced Therapeutics, 2020, 3, 2000116.	1.6	8
63	Programmable Delivery of Synergistic Cancer Drug Combinations Using Bicompartmental Nanoparticles. Advanced Healthcare Materials, 2020, 9, e2000564.	3.9	14
64	<scp>BioTM</scp> Buzz (Volume 5, Issue 3): The Future is Bright. Bioengineering and Translational Medicine, 2020, 5, e10185.	3.9	2
65	Comparison of Ionic Liquids and Chemical Permeation Enhancers for Transdermal Drug Delivery. Advanced Functional Materials, 2020, 30, 2004257.	7.8	36
66	<scp><i>Bioengineering & Translational Medicine</i></scp>: Year 2020 in review. Bioengineering and Translational Medicine, 2020, 5, e10178.	3.9	1
67	Effect of Nanoparticle Composition, Size, Shape, and Stiffness on Penetration Across the Bloodâ€“Brain Barrier. ACS Biomaterials Science and Engineering, 2020, 6, 4916-4928.	2.6	90
68	The Search for Antifungal Prophylaxis After Artificial Corneal Surgeryâ€”An In Vitro Study. Cornea, 2020, 39, 1547-1555.	0.9	4
69	Engineering of Living Cells with Polyphenolâ€Functionalized Biologically Active Nanocomplexes. Advanced Materials, 2020, 32, e2003492.	11.1	60
70	Nanocarrierâ€Mediated Cytosolic Delivery of Biopharmaceuticals. Advanced Functional Materials, 2020, 30, 1910566.	7.8	99
71	Topical Application of Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells in Combination with Sponge Spicules for Treatment of Photoaging . International Journal of Nanomedicine, 2020, Volume 15, 2859-2872.	3.3	54
72	Nanoparticles for topical drug delivery: Potential for skin cancer treatment. Advanced Drug Delivery Reviews, 2020, 153, 87-108.	6.6	96

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73	Vascular Drug Delivery Using Carrier Red Blood Cells: Focus on RBC Surface Loading and Pharmacokinetics. Pharmaceutics, 2020, 12, 440.	2.0	66
74	Coupled influences of particle shape, surface property and flow hydrodynamics on rod-shaped colloid transport in porous media. Journal of Colloid and Interface Science, 2020, 577, 471-480.	5.0	35
75	Physical triggering strategies for drug delivery. Advanced Drug Delivery Reviews, 2020, 158, 36-62.	6.6	55
76	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. Journal of Controlled Release, 2020, 322, 602-609.	4.8	55
77	Reply to Peiretti et al.: Effect of CAGE on fat uptake and food intake. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8249-8249.	3.3	0
78	Molecular mechanism of the skin permeation enhancing effect of ethanol: a molecular dynamics study. RSC Advances, 2020, 10, 12234-12248.	1.7	35
79	Hydrogels in the clinic. Bioengineering and Translational Medicine, 2020, 5, e10158.	3.9	244
80	Permeation of nanoparticles across the intestinal lipid membrane: dependence on shape and surface chemistry studied through molecular simulations. Nanoscale, 2020, 12, 6318-6333.	2.8	53
81	Layered self-assemblies for controlled drug delivery: A translational overview. Biomaterials, 2020, 242, 119929.	5.7	46
82	Development of inhalable quinacrine loaded bovine serum albumin modified cationic nanoparticles: Repurposing quinacrine for lung cancer therapeutics. International Journal of Pharmaceutics, 2020, 577, 118995.	2.6	53
83	Cellular backpacks for macrophage immunotherapy. Science Advances, 2020, 6, eaaz6579.	4.7	224
84	Targeting Strategies for Tissue-Specific Drug Delivery. Cell, 2020, 181, 151-167.	13.5	474
85	Design principles of drug combinations for chemotherapy. Journal of Controlled Release, 2020, 323, 36-46.	4.8	33
86	Topical delivery of siRNA into skin using ionic liquids. Journal of Controlled Release, 2020, 323, 475-482.	4.8	55
87	Stabilization and Topical Skin Delivery of Framework Nucleic Acids using Ionic Liquids. Advanced Therapeutics, 2020, 3, 2000041.	1.6	16
88	Investigating the potential use of an ionic liquid (1-Butyl-1-methylpyrrolidinium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (bis(trifluo Batrachochytrium dendrobatidis. PLoS ONE, 2020, 15, e0231811.	1.1	4
89	Correlations Between Skin Barrier Integrity and Delivery of Hydrophilic Molecules in the Presence of Penetration Enhancers. Pharmaceutical Research, 2020, 37, 100.	1.7	9
90	On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635.	15.6	149

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91	Nanoparticles in the clinic: An update. Bioengineering and Translational Medicine, 2019, 4, e10143.	3.9	1,073
92	Mechanistic study of transdermal delivery of macromolecules assisted by ionic liquids. Journal of Controlled Release, 2019, 311-312, 162-169.	4.8	73
93	Intestinal iontophoresis from mucoadhesive patches: a strategy for oral delivery. Journal of Controlled Release, 2019, 297, 71-78.	4.8	47
94	Role of synergy and immunostimulation in design of chemotherapy combinations: An analysis of doxorubicin and camptothecin. Bioengineering and Translational Medicine, 2019, 4, e10129.	3.9	20
95	The Influence of Water on Choline-Based Ionic Liquids. ACS Biomaterials Science and Engineering, 2019, 5, 3645-3653.	2.6	42
96	Design Principles of Ionic Liquids for Transdermal Drug Delivery. Advanced Materials, 2019, 31, e1901103.	11.1	123
97	Immunological consequences of chemotherapy: Single drugs, combination therapies and nanoparticle-based treatments. Journal of Controlled Release, 2019, 305, 130-154.	4.8	40
98	Effect of Chemical Permeation Enhancers on Skin Permeability: In silico screening using Molecular Dynamics simulations. Scientific Reports, 2019, 9, 1456.	1.6	77
99	Skin delivery of hyaluronic acid by the combined use of sponge spicules and flexible liposomes. Biomaterials Science, 2019, 7, 1299-1310.	2.6	25
100	Erythrocyte leveraged chemotherapy (ELeCt): Nanoparticle assembly on erythrocyte surface to combat lung metastasis. Science Advances, 2019, 5, eaax9250.	4.7	100
101	Transdermal delivery of nobiletin using ionic liquids. Scientific Reports, 2019, 9, 20191.	1.6	58
102	Oral ionic liquid for the treatment of diet-induced obesity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25042-25047.	3.3	35
103	Treating Tumors at Low Drug Doses Using an Aptamerâ€“Peptide Synergistic Drug Conjugate. Angewandte Chemie, 2019, 131, 1451-1455.	1.6	7
104	A microfluidic model of human brain (Î¼HuB) for assessment of blood brain barrier. Bioengineering and Translational Medicine, 2019, 4, e10126.	3.9	76
105	Nanocrystals: A perspective on translational research and clinical studies. Bioengineering and Translational Medicine, 2019, 4, 5-16.	3.9	75
106	Effect of physicochemical and surface properties on in vivo fate of drug nanocarriers. Advanced Drug Delivery Reviews, 2019, 143, 3-21.	6.6	276
107	Cyclodextrin modified erlotinib loaded PLGA nanoparticles for improved therapeutic efficacy against non-small cell lung cancer. International Journal of Biological Macromolecules, 2019, 122, 338-347.	3.6	95
108	Shape-based separation of synthetic microparticles. Nature Materials, 2019, 18, 82-89.	13.3	29

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109	Treating Tumors at Low Drug Doses Using an Aptamerâ€"Peptide Synergistic Drug Conjugate. Angewandte Chemie - International Edition, 2019, 58, 1437-1441.	7.2	41
110	Non-invasive delivery strategies for biologics. Nature Reviews Drug Discovery, 2019, 18, 19-40.	21.5	397
111	Nanoparticle Properties Modulate Their Attachment and Effect on Carrier Red Blood Cells. Scientific Reports, 2018, 8, 1615.	1.6	83
112	Ionic liquids for addressing unmet needs in healthcare. Bioengineering and Translational Medicine, 2018, 3, 7-25.	3.9	126
113	Detachment of ligands from nanoparticle surface under flow and endothelial cell contact: Assessment using microfluidic devices. Bioengineering and Translational Medicine, 2018, 3, 148-155.	3.9	16
114	Transdermal immunomodulation: Principles, advances and perspectives. Advanced Drug Delivery Reviews, 2018, 127, 3-19.	6.6	70
115	Macrophage-mediated delivery of light activated nitric oxide prodrugs with spatial, temporal and concentration control. Chemical Science, 2018, 9, 3729-3741.	3.7	83
116	Controlling Complex Nanoemulsion Morphology Using Asymmetric Cosurfactants for the Preparation of Polymer Nanocapsules. Langmuir, 2018, 34, 978-990.	1.6	20
117	Schedule dependent synergy of gemcitabine and doxorubicin: Improvement of in vitro efficacy and lack of in vitroâ€in vivo correlation. Bioengineering and Translational Medicine, 2018, 3, 49-57.	3.9	22
118	Engineering clinical translation-Introduction to Special Issue Dedicated to 2017 Bioengineering and Translational Medicine Conference. Bioengineering and Translational Medicine, 2018, 3, 185-185.	3.9	1
119	Reply to Rogers and Gurau: Definitions of ionic liquids and deep eutectic solvents. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11000-E11001.	3.3	33
120	Surfaceâ€Functionalized Carrierâ€Free Drug Nanorods for Leukemia. Advanced Therapeutics, 2018, 1, 1800010.	1.6	9
121	Mechanism of Antibacterial Activity of Choline-Based Ionic Liquids (CAGE). ACS Biomaterials Science and Engineering, 2018, 4, 2370-2379.	2.6	94
122	Nanoparticle transport across model cellular membranes: when do solubility-diffusion models break down?. Journal Physics D: Applied Physics, 2018, 51, 294004.	1.3	15
123	Ionic liquids for oral insulin delivery. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7296-7301.	3.3	277
124	Influence of particle size and shape on their margination and wall-adhesion: implications in drug delivery vehicle design across nano-to-micro scale. Nanoscale, 2018, 10, 15350-15364.	2.8	162
125	Red blood cell-hitchhiking boosts delivery of nanocarriers to chosen organs by orders of magnitude. Nature Communications, 2018, 9, 2684.	5.8	247
126	Transdermal insulin delivery using choline-based ionic liquids (CAGE). Journal of Controlled Release, 2018, 286, 137-144.	4.8	147

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127	Impact of particle elasticity on particle-based drug delivery systems. Advanced Drug Delivery Reviews, 2017, 108, 51-67.	6.6	302
128	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. Nature Chemistry, 2017, 9, 537-545.	6.6	353
129	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. Journal of Controlled Release, 2017, 246, 183-184.	4.8	75
130	Intestinal micropatches for oral insulin delivery. Journal of Drug Targeting, 2017, 25, 608-615.	2.1	36
131	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. Nature Nanotechnology, 2017, 12, 589-594.	15.6	154
132	Sonophoresis: Ultrasound-Mediated Transdermal Drug Delivery. , 2017, , 3-14.		6
133	Synthesis of Oil-Laden Poly(ethylene glycol) Diacrylate Hydrogel Nanocapsules from Double Nanoemulsions. Langmuir, 2017, 33, 6116-6126.	1.6	18
134	Transdermal Protein Delivery Using Choline and Geranate (CAGE) Deep Eutectic Solvent. Advanced Healthcare Materials, 2017, 6, 1601411.	3.9	154
135	A hyaluronic acid conjugate engineered to synergistically and sequentially deliver gemcitabine and doxorubicin to treat triple negative breast cancer. Journal of Controlled Release, 2017, 267, 191-202.	4.8	70
136	Intestinal patch systems for oral drug delivery. Current Opinion in Pharmacology, 2017, 36, 58-65.	1.7	49
137	A review on engineering polymer drug conjugates to improve combination chemotherapy. Current Opinion in Colloid and Interface Science, 2017, 31, 75-85.	3.4	59
138	Skin Delivery of Hydrophilic Biomacromolecules Using Marine Sponge Spicules. Molecular Pharmaceutics, 2017, 14, 3188-3200.	2.3	23
139	Introduction to Special Issue: 2016 Translational Medicine and Bioengineering Conference. Bioengineering and Translational Medicine, 2017, 2, 137-138.	3.9	0
140	Influence of Particle Geometry on Gastrointestinal Transit and Absorption following Oral Administration. ACS Applied Materials & Interfaces, 2017, 9, 42492-42502.	4.0	51
141	Introduction to Editorial Board Members: Dr. Raghunath Mashelkar. Bioengineering and Translational Medicine, 2017, 2, 236-237.	3.9	0
142	Microfluidic coâ€culture devices to assess penetration of nanoparticles into cancer cell mass. Bioengineering and Translational Medicine, 2017, 2, 268-277.	3.9	26
143	Angle-dependent light scattering by highly uniform colloidal rod-shaped microparticles: Experiment and simulation. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1889-1895.	2.4	3
144	A chemical engineering perspective of nanoparticleâ€based targeted drug delivery: A unit process approach. AIChE Journal, 2016, 62, 966-974.	1.8	8

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145	DAFODIL: A novel liposome-encapsulated synergistic combination of doxorubicin and 5FU for low dose chemotherapy. Journal of Controlled Release, 2016, 229, 154-162.	4.8	52
146	Red blood cells: Supercarriers for drugs, biologicals, and nanoparticles and inspiration for advanced delivery systems. Advanced Drug Delivery Reviews, 2016, 106, 88-103.	6.6	273
147	Low-molecular-weight polymerâ€“drug conjugates for synergistic anticancer activity of camptothecin and doxorubicin combinations. Nanomedicine, 2016, 11, 1139-1151.	1.7	46
148	Introduction to special issue on â€œNanoparticles in Medicine: Targeting, Optimization and Clinical Applicationsâ€. Bioengineering and Translational Medicine, 2016, 1, 8-9.	3.9	5
149	Introduction to Editorial Board Members: Prof Nicholas A. Peppas. Bioengineering and Translational Medicine, 2016, 1, 5-7.	3.9	1
150	Nanoparticles in the clinic. Bioengineering and Translational Medicine, 2016, 1, 10-29.	3.9	1,003
151	Role of nanoparticle size, shape and surface chemistry in oral drug delivery. Journal of Controlled Release, 2016, 238, 176-185.	4.8	502
152	Intestinal mucoadhesive devices for oral delivery of insulin. Bioengineering and Translational Medicine, 2016, 1, 338-346.	3.9	81
153	Therapeutic RNAi robed with ionic liquid moieties as a simple, scalable prodrug platform for treating skin disease. Journal of Controlled Release, 2016, 242, 80-88.	4.8	57
154	Choline and Geranate Deep Eutectic Solvent as a Broadâ€Spectrum Antiseptic Agent for Preventive and Therapeutic Applications. Advanced Healthcare Materials, 2016, 5, 1282-1289.	3.9	104
155	De Novo Design of Skinâ€Penetrating Peptides for Enhanced Transdermal Delivery of Peptide Drugs. Advanced Healthcare Materials, 2016, 5, 602-609.	3.9	43
156	Delivery of Exenatide and Insulin Using Mucoadhesive Intestinal Devices. Annals of Biomedical Engineering, 2016, 44, 1993-2007.	1.3	44
157	Mechanistic Analysis of Cellular Internalization of a Cell- and Skin-Penetrating Peptide. Regenerative Engineering and Translational Medicine, 2016, 2, 23-36.	1.6	4
158	Non-affinity factors modulating vascular targeting of nano- and microcarriers. Advanced Drug Delivery Reviews, 2016, 99, 97-112.	6.6	65
159	The Effect of Polymeric Nanoparticles on Biocompatibility of Carrier Red Blood Cells. PLoS ONE, 2016, 11, e0152074.	1.1	90
160	Synthesis and Characterization of a Selfâ€Fluorescent Hyaluronic Acidâ€“Based Gel for Dermal Applications. Advanced Healthcare Materials, 2015, 4, 2297-2305.	3.9	14
161	Formulating propranolol as an amorphous melt affords reduced skin irritation potential for transdermal drug delivery. Technology, 2015, 03, 214-238.	1.4	3
162	Peptides as skin penetration enhancers: Mechanisms of action. Journal of Controlled Release, 2015, 199, 168-178.	4.8	115

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163	Topical delivery of Cyclosporine A into the skin using SPACE-peptide. Journal of Controlled Release, 2015, 199, 190-197.	4.8	37
164	Elasticity of Nanoparticles Influences Their Blood Circulation, Phagocytosis, Endocytosis, and Targeting. ACS Nano, 2015, 9, 3169-3177.	7.3	470
165	Ultrasonic delivery of silicaâ€“gold nanoshells for photothermolysis of sebaceous glands in humans: Nanotechnology from the bench to clinic. Journal of Controlled Release, 2015, 206, 30-36.	4.8	53
166	Exploiting shape, cellular-hitchhiking and antibodies to target nanoparticles to lung endothelium: Synergy between physical, chemical and biological approaches. Biomaterials, 2015, 68, 1-8.	5.7	76
167	Accelerating the Translation of Nanomaterials in Biomedicine. ACS Nano, 2015, 9, 6644-6654.	7.3	279
168	Enhanced epidermal localization of topically applied steroids using SPACEâ„¢ peptide. Drug Delivery and Translational Research, 2015, 5, 523-530.	3.0	5
169	A Review of Clinical Translation of Inorganic Nanoparticles. AAPS Journal, 2015, 17, 1041-1054.	2.2	392
170	Synergistic antitumor activity of camptothecinâ€“doxorubicin combinations and their conjugates with hyaluronic acid. Journal of Controlled Release, 2015, 210, 198-207.	4.8	89
171	Shape and size-dependent immune response to antigen-carrying nanoparticles. Journal of Controlled Release, 2015, 220, 141-148.	4.8	235
172	Nucleic acid delivery into skin for the treatment of skin disease: Proofs-of-concept, potential impact, and remaining challenges. Journal of Controlled Release, 2015, 219, 445-456.	4.8	70
173	Monocyte-mediated delivery of polymeric backpacks to inflamed tissues: a generalized strategy to deliver drugs to treat inflammation. Journal of Controlled Release, 2015, 199, 29-36.	4.8	130
174	Highly cited research articles in Journal of Controlled Release: Commentaries and perspectives by authors. Journal of Controlled Release, 2014, 190, 29-74.	4.8	394
175	Progressive transition from resonant to diffuse reflection in anisotropic colloidal films. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 611-617.	2.4	2
176	An overview of clinical and commercial impact of drug delivery systems. Journal of Controlled Release, 2014, 190, 15-28.	4.8	379
177	Cell-mediated delivery of nanoparticles: Taking advantage of circulatory cells to target nanoparticles. Journal of Controlled Release, 2014, 190, 531-541.	4.8	231
178	Vascular Targeting of Nanocarriers: Perplexing Aspects of the Seemingly Straightforward Paradigm. ACS Nano, 2014, 8, 4100-4132.	7.3	154
179	MoS₂ Field-Effect Transistor for Next-Generation Label-Free Biosensors. ACS Nano, 2014, 8, 3992-4003.	7.3	870
180	Platelet-like Nanoparticles: Mimicking Shape, Flexibility, and Surface Biology of Platelets To Target Vascular Injuries. ACS Nano, 2014, 8, 11243-11253.	7.3	284

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181	Ionic liquids as a class of materials for transdermal delivery and pathogen neutralization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13313-13318.	3.3	258
182	Overcoming the challenges in administering biopharmaceuticals: formulation and delivery strategies. Nature Reviews Drug Discovery, 2014, 13, 655-672.	21.5	1,261
183	Organic nanoparticles for drug delivery and imaging. MRS Bulletin, 2014, 39, 219-223.	1.7	77
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