

# Omid C Farokhzad

## List of Publications by Year in descending order

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Version: 2024-02-01

196  
papers

65,277  
citations

1171

111  
h-index

2178

202  
g-index

208  
all docs

208  
docs citations

208  
times ranked

56948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle protein corona evolution: from biological impact to biomarker discovery. <i>Nanoscale</i> , 2022, 14, 1606-1620.	2.8	25
2	Theranostic Nanomedicine in the NIR-II Window: Classification, Fabrication, and Biomedical Applications. <i>Chemical Reviews</i> , 2022, 122, 5405-5407.	23.0	45
3	Analysis of the Human Plasma Proteome Using Multi-Nanoparticle Protein Corona for Detection of Alzheimer's Disease. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000948.	3.9	19
4	Adjuvant-pulsed mRNA vaccine nanoparticle for immunoprophylactic and therapeutic tumor suppression in mice. <i>Biomaterials</i> , 2021, 266, 120431.	5.7	131
5	Nano-Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 291-301.	7.6	95
6	Stanene-Based Nanosheets for $^{125}\text{I}$ -Element Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 7231-7240.	1.6	12
7	Stanene-Based Nanosheets for $^{125}\text{I}$ -Element Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7155-7164.	7.2	113
8	Targeted delivery of protein arginine deiminase-4 inhibitors to limit arterial intimal NETosis and preserve endothelial integrity. <i>Cardiovascular Research</i> , 2021, 117, 2652-2663.	1.8	24
9	Reactivation of the tumor suppressor PTEN by mRNA nanoparticles enhances antitumor immunity in preclinical models. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	111
10	Biomaterials and nanomedicine for bone regeneration: Progress and future prospects. <i>Exploration</i> , 2021, 1, 20210011.	5.4	90
11	Redox-responsive polyprodrug nanoparticles for targeted siRNA delivery and synergistic liver cancer therapy. <i>Biomaterials</i> , 2020, 234, 119760.	5.7	89
12	A materials-science perspective on tackling COVID-19. <i>Nature Reviews Materials</i> , 2020, 5, 847-860.	23.3	228
13	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19787-19795.	7.2	88
14	siRNA nanoparticles targeting CaMKII $\beta$ in lesional macrophages improve atherosclerotic plaque stability in mice. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	132
15	Rücktitelbild: Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren ( <i>Angew. Chem.</i> 45/2020). <i>Angewandte Chemie</i> , 2020, 132, 20424-20424.	1.6	1
16	Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren. <i>Angewandte Chemie</i> , 2020, 132, 19955-19964.	1.6	5
17	Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. <i>Nano Letters</i> , 2020, 20, 4857-4863.	4.5	42
18	Germanene-Based Theranostic Materials for Surgical Adjuvant Treatment: Inhibiting Tumor Recurrence and Wound Infection. <i>Matter</i> , 2020, 3, 127-144.	5.0	190

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19	Marriage of black phosphorus and Cu <sup>2+</sup> as effective photothermal agents for PET-guided combination cancer therapy. <i>Nature Communications</i> , 2020, 11, 2778.	5.8	233
20	Nanostructure Engineering by Simple Tuning of Lipid Combinations. <i>Angewandte Chemie</i> , 2020, 132, 6308-6311.	1.6	2
21	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. <i>Nano Letters</i> , 2020, 20, 3943-3955.	4.5	158
22	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. <i>Matter</i> , 2020, 2, 297-322.	5.0	165
23	Nanostructure Engineering by Simple Tuning of Lipid Combinations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6249-6252.	7.2	19
24	Charge Conversional Biomimetic Nanocomplexes as a Multifunctional Platform for Boosting Orthotopic Glioblastoma RNAi Therapy. <i>Nano Letters</i> , 2020, 20, 1637-1646.	4.5	102
25	Sugar-Nanocapsules Imprinted with Microbial Molecular Patterns for mRNA Vaccination. <i>Nano Letters</i> , 2020, 20, 1499-1509.	4.5	61
26	Stimuli-Responsive Polymer-Prodrug Hybrid Nanoplatfor for Multistage siRNA Delivery and Combination Cancer Therapy. <i>Nano Letters</i> , 2019, 19, 5967-5974.	4.5	101
27	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie</i> , 2019, 131, 13539-13544.	1.6	41
28	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13405-13410.	7.2	102
29	2D Black Mica Nanosheets: Synthesis of Ultrathin Biotite Nanosheets as an Intelligent Theranostic Platform for Combination Cancer Therapy ( <i>Adv. Sci.</i> 19/2019). <i>Advanced Science</i> , 2019, 6, 1970118.	5.6	2
30	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 2891-2912.	18.7	482
31	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , 2019, 13, 4876-4882.	7.3	77
32	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53-deficient cancers to mTOR inhibition. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	177
33	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 357-370.	7.3	204
34	Drug loading augmentation in polymeric nanoparticles using a coaxial turbulent jet mixer: Yong investigator perspective. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 45-50.	5.0	12
35	Nanotechnology-Based Strategies for siRNA Brain Delivery for Disease Therapy. <i>Trends in Biotechnology</i> , 2018, 36, 562-575.	4.9	139
36	Intracellular Mechanistic Understanding of 2D MoS <sub>2</sub> Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2018, 12, 2922-2938.	7.3	188

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37	Engineering of Mature Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes Using Substrates with Multiscale Topography. <i>Advanced Functional Materials</i> , 2018, 28, 1707378.	7.8	43
38	Nanoparticles targeting extra domain B of fibronectin-specific to the atherosclerotic lesion types III, IV, and V-enhance plaque detection and cargo delivery. <i>Theranostics</i> , 2018, 8, 6008-6024.	4.6	19
39	Cancer Theranostics: Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics ( <i>Adv. Mater.</i> 38/2018). <i>Advanced Materials</i> , 2018, 30, 1870283.	11.1	3
40	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , 2018, 2, 850-864.	11.6	214
41	Redoxâ€Responsive Nanoparticleâ€Mediated Systemic RNAi for Effective Cancer Therapy. <i>Small</i> , 2018, 14, e1802565.	5.2	85
42	Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1802061.	11.1	314
43	Flat Cell Culturing Surface May Cause Misinterpretation of Cellular Uptake of Nanoparticles. <i>Advanced Biology</i> , 2018, 2, 1800046.	3.0	7
44	Biomedical Applications: Engineering of Mature Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes Using Substrates with Multiscale Topography ( <i>Adv. Funct. Mater.</i> 19/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870128.	7.8	1
45	Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. <i>Nano Letters</i> , 2018, 18, 4618-4625.	4.5	173
46	Personalized protein corona on nanoparticles and its clinical implications. <i>Biomaterials Science</i> , 2017, 5, 378-387.	2.6	227
47	Hyper-cell-permeable micelles as a drug delivery carrier for effective cancer therapy. <i>Biomaterials</i> , 2017, 123, 118-126.	5.7	43
48	Multifunctional Envelope-Type siRNA Delivery Nanoparticle Platform for Prostate Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 2618-2627.	7.3	172
49	Cancer immunotherapy: Wound-bound checkpoint blockade. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	15
50	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017, 11, 1123-1126.	7.3	4
51	Antimonene Quantum Dots: Synthesis and Application as Nearâ€Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11896-11900.	7.2	465
52	Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 4427-4435.	4.5	119
53	Antimonene Quantum Dots: Synthesis and Application as Nearâ€Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie</i> , 2017, 129, 12058-12062.	1.6	93
54	Design of Insulin-Loaded Nanoparticles Enabled by Multistep Control of Nanoprecipitation and Zinc Chelation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11440-11450.	4.0	28

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55	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , 2017, 8, 777.	5.8	507
56	Nanomedicine for safe healing of bone trauma: Opportunities and challenges. <i>Biomaterials</i> , 2017, 146, 168-182.	5.7	57
57	Multiscale technologies for treatment of ischemic cardiomyopathy. <i>Nature Nanotechnology</i> , 2017, 12, 845-855.	15.6	104
58	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in <i>Ldlr</i> <sup>-/-</sup> Mice. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700313.	3.9	63
59	ROS-Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1700141.	11.1	370
60	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	18.7	1,709
61	Evolution of macromolecular complexity in drug delivery systems. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	233
62	Innenteilbild: Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy ( <i>Angew. Chem.</i> 39/2017). <i>Angewandte Chemie</i> , 2017, 129, 11816-11816.	1.6	1
63	Challenges in DNA Delivery and Recent Advances in Multifunctional Polymeric DNA Delivery Systems. <i>Biomacromolecules</i> , 2017, 18, 2231-2246.	2.6	147
64	Cancer nanomedicine: progress, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2017, 17, 20-37.	12.8	4,153
65	A drug-delivery strategy for overcoming drug resistance in breast cancer through targeting of oncofetal fibronectin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 713-722.	1.7	38
66	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017, 35, 257-264.	4.9	313
67	Emerging Advances in Nanotheranostics with Intelligent Bioresponsive Systems. <i>Theranostics</i> , 2017, 7, 3915-3919.	4.6	48
68	Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery <i>In Vitro</i> and <i>In Vivo</i> . <i>Theranostics</i> , 2017, 7, 1990-2002.	4.6	81
69	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3309-3312.	7.2	121
70	Ultra-pH-Responsive and Tumor-Penetrating Nanoplatform for Targeted siRNA Delivery with Robust Anti-Cancer Efficacy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7091-7094.	7.2	216
71	Preventing diet-induced obesity in mice by adipose tissue transformation and angiogenesis using targeted nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5552-5557.	3.3	127
72	Targeted Interleukin-10 Nanotherapeutics Developed with a Microfluidic Chip Enhance Resolution of Inflammation in Advanced Atherosclerosis. <i>ACS Nano</i> , 2016, 10, 5280-5292.	7.3	170

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73	Targeted nanoparticles for colorectal cancer. <i>Nanomedicine</i> , 2016, 11, 2443-2456.	1.7	117
74	Emerging understanding of the protein corona at the nano-bio interfaces. <i>Nano Today</i> , 2016, 11, 817-832.	6.2	205
75	Nanomedicines for renal disease: current status and future applications. <i>Nature Reviews Nephrology</i> , 2016, 12, 738-753.	4.1	179
76	Ultra-pH-Responsive and Tumor-Penetrating Nanoplatform for Targeted siRNA Delivery with Robust Anti-Cancer Efficacy. <i>Angewandte Chemie</i> , 2016, 128, 7207-7210.	1.6	10
77	Theranostic near-infrared fluorescent nanoplatform for imaging and systemic siRNA delivery to metastatic anaplastic thyroid cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7750-7755.	3.3	73
78	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie</i> , 2016, 128, 3370-3373.	1.6	10
79	Degradable Controlled-Release Polymers and Polymeric Nanoparticles: Mechanisms of Controlling Drug Release. <i>Chemical Reviews</i> , 2016, 116, 2602-2663.	23.0	2,018
80	Nanotechnology for protein delivery: Overview and perspectives. <i>Journal of Controlled Release</i> , 2016, 240, 24-37.	4.8	294
81	Hydrophobic Cysteine Poly(disulfide)-based Redox-Hypersensitive Nanoparticle Platform for Cancer Theranostics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9218-9223.	7.2	164
82	Drug Delivery Nanocarriers from a Fully Degradable PEG-Conjugated Polyester with a Reduction-Responsive Backbone. <i>Chemistry - A European Journal</i> , 2015, 21, 11325-11329.	1.7	26
83	Targeted nanoparticles containing the proresolving peptide Ac2-26 protect against advanced atherosclerosis in hypercholesterolemic mice. <i>Science Translational Medicine</i> , 2015, 7, 275ra20.	5.8	269
84	Effect of PEG Pairing on the Efficiency of Cancer-Targeting Liposomes. <i>Theranostics</i> , 2015, 5, 746-754.	4.6	61
85	Nanomedicines for endothelial disorders. <i>Nano Today</i> , 2015, 10, 759-776.	6.2	49
86	Cancer nanomedicine: from targeted delivery to combination therapy. <i>Trends in Molecular Medicine</i> , 2015, 21, 223-232.	3.5	578
87	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> , 2015, 112, E156-65.	3.3	364
88	Long-circulating siRNA nanoparticles for validating Prohibitin1-targeted non-small cell lung cancer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7779-7784.	3.3	170
89	A mucosal vaccine against <i>Chlamydia trachomatis</i> generates two waves of protective memory T cells. <i>Science</i> , 2015, 348, aaa8205.	6.0	312
90	Polymeric nanoparticle drug delivery technologies for oral delivery applications. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1459-1473.	2.4	206

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91	Tumour-associated macrophages act as a slow-release reservoir of nano-therapeutic Pt(IV) pro-drug. <i>Nature Communications</i> , 2015, 6, 8692.	5.8	353
92	Platelet mimicry. <i>Nature</i> , 2015, 526, 47-48.	13.7	40
93	Predicting therapeutic nanomedicine efficacy using a companion magnetic resonance imaging nanoparticle. <i>Science Translational Medicine</i> , 2015, 7, 314ra183.	5.8	273
94	Nanoparticles Containing a Liver X Receptor Agonist Inhibit Inflammation and Atherosclerosis. <i>Advanced Healthcare Materials</i> , 2015, 4, 228-236.	3.9	66
95	Annexin A1-containing extracellular vesicles and polymeric nanoparticles promote epithelial wound repair. <i>Journal of Clinical Investigation</i> , 2015, 125, 1215-1227.	3.9	257
96	Role of electrostatic interactions in protein loading in PLGA-PEG nanoparticles. , 2014, , .		4
97	Development of Therapeutic Polymeric Nanoparticles for the Resolution of Inflammation. <i>Advanced Healthcare Materials</i> , 2014, 3, 1448-1456.	3.9	26
98	Fourth Annual Conference of the American Society for Nanomedicine. <i>Journal of NeuroImmune Pharmacology</i> , 2014, 9, 1-38.	2.1	2
99	Ultra-High Throughput Synthesis of Nanoparticles with Homogeneous Size Distribution Using a Coaxial Turbulent Jet Mixer. <i>ACS Nano</i> , 2014, 8, 6056-6065.	7.3	217
100	Cancer nanotechnology: The impact of passive and active targeting in the era of modern cancer biology. <i>Advanced Drug Delivery Reviews</i> , 2014, 66, 2-25.	6.6	2,275
101	A Solvent-Free Thermosponge Nanoparticle Platform for Efficient Delivery of Labile Proteins. <i>Nano Letters</i> , 2014, 14, 6449-6455.	4.5	36
102	Development of Multinuclear Polymeric Nanoparticles as Robust Protein Nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8975-8979.	7.2	122
103	Polymer- and Protein-Based Nanotechnologies for Cancer Theranostics. , 2014, , 419-436.		12
104	Current Progress of Aptamer-Based Molecular Imaging. <i>Journal of Nuclear Medicine</i> , 2014, 55, 353-356.	2.8	91
105	Insight into nanoparticle cellular uptake and intracellular targeting. <i>Journal of Controlled Release</i> , 2014, 190, 485-499.	4.8	624
106	Polymeric Nanoparticle Technologies for Oral Drug Delivery. <i>Clinical Gastroenterology and Hepatology</i> , 2014, 12, 1605-1610.	2.4	122
107	Engineered nanomedicine for myeloma and bone microenvironment targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10287-10292.	3.3	234
108	Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. <i>Vaccine</i> , 2014, 32, 2882-2895.	1.7	144



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109	Parallel microfluidic synthesis of size-tunable polymeric nanoparticles using 3D flow focusing towards in vivo study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 401-409.	1.7	134
110	Hybrid lipid-polymer nanoparticles for sustained siRNA delivery and gene silencing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e897-e900.	1.7	76
111	Synthesis and in vitro evaluation of a multifunctional and surface-switchable nanoemulsion platform. <i>Chemical Communications</i> , 2013, 49, 9392.	2.2	16
112	Synthesis of Polymer-Lipid Nanoparticles for Image-Guided Delivery of Dual Modality Therapy. <i>Bioconjugate Chemistry</i> , 2013, 24, 1429-1434.	1.8	104
113	Single Step Reconstitution of Multifunctional High-Density Lipoprotein-Derived Nanomaterials Using Microfluidics. <i>ACS Nano</i> , 2013, 7, 9975-9983.	7.3	104
114	Enhancing tumor cell response to chemotherapy through nanoparticle-mediated codelivery of siRNA and cisplatin prodrug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18638-18643.	3.3	302
115	Transepithelial Transport of Fc-Targeted Nanoparticles by the Neonatal Fc Receptor for Oral Delivery. <i>Science Translational Medicine</i> , 2013, 5, 213ra167.	5.8	326
116	HER2-specific aptide conjugated magneto-nanoclusters for potential breast cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4576.	2.9	14
117	Synergistic cytotoxicity of irinotecan and cisplatin in dual-drug targeted polymeric nanoparticles. <i>Nanomedicine</i> , 2013, 8, 687-698.	1.7	65
118	Nanoparticle Encapsulation of Mitaplatin and the Effect Thereof on <i>In Vivo</i> Properties. <i>ACS Nano</i> , 2013, 7, 5675-5683.	7.3	89
119	Microfluidic Platform for Combinatorial Synthesis and Optimization of Targeted Nanoparticles for Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 10671-10680.	7.3	196
120	Spontaneous Formation of Heterogeneous Patches on Polymer-Lipid Core-Shell Particle Surfaces during Self-Assembly. <i>Small</i> , 2013, 9, 511-517.	5.2	17
121	Nanoparticle Design For Bone-Specific Chemotherapy and Microenvironmental Targeting In Multiple Myeloma. <i>Blood</i> , 2013, 122, 881-881.	0.6	1
122	Surface Charge-Switching Polymeric Nanoparticles for Bacterial Cell Wall-Targeted Delivery of Antibiotics. <i>ACS Nano</i> , 2012, 6, 4279-4287.	7.3	447
123	Bioinspired multivalent DNA network for capture and release of cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19626-19631.	3.3	266
124	Engineering of Targeted Nanoparticles for Cancer Therapy Using Internalizing Aptamers Isolated by Cell-Uptake Selection. <i>ACS Nano</i> , 2012, 6, 696-704.	7.3	148
125	Interactions of nanomaterials and biological systems: Implications to personalized nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1363-1384.	6.6	365
126	DNA Self-Assembly of Targeted Near-Infrared-Responsive Gold Nanoparticles for Cancer Thermo-Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11853-11857.	7.2	299



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127	Microfluidic technologies for accelerating the clinical translation of nanoparticles. <i>Nature Nanotechnology</i> , 2012, 7, 623-629.	15.6	571
128	Engineering of lipid-coated PLGA nanoparticles with a tunable payload of diagnostically active nanocrystals for medical imaging. <i>Chemical Communications</i> , 2012, 48, 5835.	2.2	76
129	Integrin-Targeted PLGA-PEG Nanoparticles for Enhanced Anti-tumor Efficacy of a Pt(IV) Prodrug. <i>ACS Nano</i> , 2012, 6, 4530-4539.	7.3	281
130	Mass Production and Size Control of Lipid-Polymer Hybrid Nanoparticles through Controlled Microvortices. <i>Nano Letters</i> , 2012, 12, 3587-3591.	4.5	189
131	Nanoparticle Delivery of Cancer Drugs. <i>Annual Review of Medicine</i> , 2012, 63, 185-198.	5.0	1,347
132	Targeted polymeric therapeutic nanoparticles: design, development and clinical translation. <i>Chemical Society Reviews</i> , 2012, 41, 2971.	18.7	1,469
133	Preclinical Development and Clinical Translation of a PSMA-Targeted Docetaxel Nanoparticle with a Differentiated Pharmacological Profile. <i>Science Translational Medicine</i> , 2012, 4, 128ra39.	5.8	978
134	Aptamer-Functionalized Nanoparticles for Medical Applications: Challenges and Opportunities. <i>ACS Nano</i> , 2012, 6, 3670-3676.	7.3	149
135	Using ligands to target cancer cells. <i>Clinical Advances in Hematology and Oncology</i> , 2012, 10, 543-4.	0.3	8
136	Targeted delivery of a cisplatin prodrug for safer and more effective prostate cancer therapy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1850-1855.	3.3	467
137	Self-Assembled Targeted Nanoparticles: Evolution of Technologies and Bench to Bedside Translation. <i>Accounts of Chemical Research</i> , 2011, 44, 1123-1134.	7.6	416
138	Advances in Drug Delivery. <i>Annual Review of Materials Research</i> , 2011, 41, 1-20.	4.3	125
139	Synthesis of Size-Tunable Polymeric Nanoparticles Enabled by 3D Hydrodynamic Flow Focusing in Single-Layer Microchannels. <i>Advanced Materials</i> , 2011, 23, H79-83.	11.1	200
140	Differentially Charged Hollow Core/Shell Lipid-Polymer-Lipid Hybrid Nanoparticles for Small Interfering RNA Delivery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7027-7031.	7.2	156
141	Self-Propelled Microrockets to Capture and Isolate Circulating Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7220-7221.	7.2	10
142	Effects of ligands with different water solubilities on self-assembly and properties of targeted nanoparticles. <i>Biomaterials</i> , 2011, 32, 6226-6233.	5.7	169
143	In vivo prevention of arterial restenosis with paclitaxel-encapsulated targeted lipid-polymeric nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19347-19352.	3.3	121
144	Progress in siRNA Delivery Using Multifunctional Nanoparticles. <i>Methods in Molecular Biology</i> , 2010, 629, 53-67.	0.4	32

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145	Emerging nanotechnology approaches for HIV/AIDS treatment and prevention. <i>Nanomedicine</i> , 2010, 5, 269-285.	1.7	201
146	Poly(ethylene glycol) with Observable Shedding. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6567-6571.	7.2	65
147	On firm ground: IP protection of therapeutic nanoparticles. <i>Nature Biotechnology</i> , 2010, 28, 1267-1270.	9.4	75
148	Spatiotemporal controlled delivery of nanoparticles to injured vasculature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2213-2218.	3.3	231
149	Engineering of self-assembled nanoparticle platform for precisely controlled combination drug therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17939-17944.	3.3	545
150	Nanoparticle Technologies for Cancer Therapy. <i>Handbook of Experimental Pharmacology</i> , 2010, , 55-86.	0.9	262
151	ChemoRad nanoparticles: a novel multifunctional nanoparticle platform for targeted delivery of concurrent chemoradiation. <i>Nanomedicine</i> , 2010, 5, 361-368.	1.7	95
152	Polymeric Nanoparticles for Drug Delivery. <i>Methods in Molecular Biology</i> , 2010, 624, 163-175.	0.4	226
153	Single-Step Assembly of Homogenous Lipid~Polymeric and Lipid~Quantum Dot Nanoparticles Enabled by Microfluidic Rapid Mixing. <i>ACS Nano</i> , 2010, 4, 1671-1679.	7.3	283
154	pH-Responsive Nanoparticles for Drug Delivery. <i>Molecular Pharmaceutics</i> , 2010, 7, 1913-1920.	2.3	806
155	Nanotechnology in Drug Delivery and Tissue Engineering: From Discovery to Applications. <i>Nano Letters</i> , 2010, 10, 3223-3230.	4.5	1,369
156	Design of a mechanical clutch-based needle-insertion device. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5540-5545.	3.3	13
157	PLGA~lecithin~PEG core~shell nanoparticles for controlled drug delivery. <i>Biomaterials</i> , 2009, 30, 1627-1634.	5.7	620
158	Immunocompatibility properties of lipid~polymer hybrid nanoparticles with heterogeneous surface functional groups. <i>Biomaterials</i> , 2009, 30, 2231-2240.	5.7	240
159	Impact of Nanotechnology on Drug Delivery. <i>ACS Nano</i> , 2009, 3, 16-20.	7.3	2,760
160	Multifunctional nanoparticles for prostate cancer therapy. <i>Expert Review of Anticancer Therapy</i> , 2009, 9, 211-221.	1.1	23
161	Formulation/Preparation of Functionalized Nanoparticles for In Vivo Targeted Drug Delivery. <i>Methods in Molecular Biology</i> , 2009, 544, 589-598.	0.4	48
162	Superparamagnetic Iron Oxide Nanoparticle~Aptamer Bioconjugates for Combined Prostate Cancer Imaging and Therapy. <i>ChemMedChem</i> , 2008, 3, 1311-1315.	1.6	297

#	ARTICLE	IF	CITATIONS
163	HER2-Targeted Nanoparticle-Affibody Bioconjugates for Cancer Therapy. ChemMedChem, 2008, 3, 1839-1843.	1.6	143
164	The use of charge-coupled polymeric microparticles and micromagnets for modulating the bioavailability of orally delivered macromolecules. Biomaterials, 2008, 29, 1216-1223.	5.7	63
165	Biofunctionalized targeted nanoparticles for therapeutic applications. Expert Opinion on Biological Therapy, 2008, 8, 1063-1070.	1.4	225
166	Nanotechnology for drug delivery: the perfect partnership. Expert Opinion on Drug Delivery, 2008, 5, 927-929.	2.4	71
167	Nanotechnology and aptamers: applications in drug delivery. Trends in Biotechnology, 2008, 26, 442-449.	4.9	247
168	New frontiers in nanotechnology for cancer treatment. Urologic Oncology: Seminars and Original Investigations, 2008, 26, 74-85.	0.8	274
169	Microfluidic Platform for Controlled Synthesis of Polymeric Nanoparticles. Nano Letters, 2008, 8, 2906-2912.	4.5	728
170	Self-Assembled Lipid-Polymer Hybrid Nanoparticles: A Robust Drug Delivery Platform. ACS Nano, 2008, 2, 1696-1702.	7.3	851
171	Factors Affecting the Clearance and Biodistribution of Polymeric Nanoparticles. Molecular Pharmaceutics, 2008, 5, 505-515.	2.3	2,993
172	Microfluidic Synthesis of Polymeric Nanoparticles. , 2008, , .		3
173	Precise engineering of targeted nanoparticles by using self-assembled biointegrated block copolymers. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2586-2591.	3.3	649
174	Nanofabrication and Microfabrication of Functional Materials for Tissue Engineering. Tissue Engineering, 2007, 13, 1867-1877.	4.9	117
175	Biodegradable, polymeric nanoparticle delivery systems for cancer therapy. Nanomedicine, 2007, 2, 669-680.	1.7	219
176	Co-Delivery of Hydrophobic and Hydrophilic Drugs from Nanoparticle-Aptamer Bioconjugates. ChemMedChem, 2007, 2, 1268-1271.	1.6	245
177	Targeted nanoparticles for cancer therapy. Nano Today, 2007, 2, 14-21.	6.2	431
178	Nanocarriers as an emerging platform for cancer therapy. Nature Nanotechnology, 2007, 2, 751-760.	15.6	7,469
179	Quantum Dot-Aptamer Conjugates for Synchronous Cancer Imaging, Therapy, and Sensing of Drug Delivery Based on Bi-Fluorescence Resonance Energy Transfer. Nano Letters, 2007, 7, 3065-3070.	4.5	950
180	Formulation of functionalized PLGA-PEG nanoparticles for in vivo targeted drug delivery. Biomaterials, 2007, 28, 869-876.	5.7	1,151

#	ARTICLE	IF	CITATIONS
181	Nanoparticle-Aptamer Bioconjugates for Targeted Antineoplastic Drug Delivery. American Journal of Drug Delivery, 2006, 4, 123-130.	0.6	4
182	Drug delivery systems in urologyâ€”getting â€œsmarterâ€• Urology, 2006, 68, 463-469.	0.5	31
183	Micropatterned cell co-cultures using layer-by-layer deposition of extracellular matrix components. Biomaterials, 2006, 27, 1479-1486.	5.7	220
184	Targeted nanoparticle-aptamer bioconjugates for cancer chemotherapy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6315-6320.	3.3	1,595
185	Nanoparticleâ€”aptamer bioconjugates for cancer targeting. Expert Opinion on Drug Delivery, 2006, 3, 311-324.	2.4	245
186	Nanomedicine: Developing smarter therapeutic and diagnostic modalitiesâ€†. Advanced Drug Delivery Reviews, 2006, 58, 1456-1459.	6.6	726
187	Magnetically Responsive Polymeric Microparticles for Oral Delivery of Protein Drugs. Pharmaceutical Research, 2006, 23, 557-564.	1.7	122
188	An Aptamerâ€”Doxorubicin Physical Conjugate as a Novel Targeted Drug-Delivery Platform. Angewandte Chemie - International Edition, 2006, 45, 8149-8152.	7.2	552
189	Microfluidic System for Studying the Interaction of Nanoparticles and Microparticles with Cells. Analytical Chemistry, 2005, 77, 5453-5459.	3.2	159
190	Cell docking inside microwells within reversibly sealed microfluidic channels for fabricating multiphenotype cell arrays. Lab on A Chip, 2005, 5, 1380.	3.1	224
191	Nanoparticle-Aptamer Bioconjugates. Cancer Research, 2004, 64, 7668-7672.	0.4	873
192	CD11c gene expression in hairy cell leukemia is dependent upon activation of the proto-oncogenes ras and junD. Blood, 2003, 101, 4033-4041.	0.6	41
193	CD43 gene expression is mediated by a nuclear factor which binds pyrimidine-rich single-stranded DNA. Nucleic Acids Research, 2000, 28, 2256-2267.	6.5	13
194	PKC- $\mu$ regulates basolateral endocytosis in human T84 intestinal epithelia: role of F-actin and MARCKS. American Journal of Physiology - Cell Physiology, 1999, 277, C1239-C1249.	2.1	86
195	Effects of bryostatin 1, a novel anticancer agent, on intestinal transport and barrier function: Role of protein kinase C. Surgery, 1998, 124, 380-387.	1.0	16
196	Levamisole inhibits intestinal Cl <sup>-</sup> secretion via basolateral K <sup>+</sup> channel blockade. Gastroenterology, 1998, 114, 1257-1267.	0.6	32