Omid C Farokhzad

List of Publications by Year
in descending order

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196 papers	65,277 citations	1172 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. Nanoscale, 2022, 14, 1606-1620.	5.6	25
2	Theranostic Nanomedicine in the NIR-II Window: Classification, Fabrication, and Biomedical Applications. Chemical Reviews, 2022, 122, 5405-5407.	47.7	45
3	Analysis of the Human Plasma Proteome Using Multiâ€Nanoparticle Protein Corona for Detection of Alzheimer's Disease. Advanced Healthcare Materials, 2021, 10, e2000948.	7.6	19
4	Adjuvant-pulsed mRNA vaccine nanoparticle for immunoprophylactic and therapeutic tumor suppression in mice. Biomaterials, 2021, 266, 120431.	11.4	131
5	Nanoâ€“Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. Accounts of Chemical Research, 2021, 54, 291-301.	15.6	95
6	StaneneâEBased Nanosheets for Î²â€Elemene Delivery and Ultrasoundâ€Mediated Combination Cancer Therapy. Angewandte Chemie, 2021, 133, 7231-7240.	2.0	12
7	StaneneâEBased Nanosheets for Î²â€Elemene Delivery and Ultrasoundâ€Mediated Combination Cancer Therapy. Angewandte Chemie - International Edition, 2021, 60, 7155-7164.	13.8	113
8	Targeted delivery of protein arginine deiminase-4 inhibitors to limit arterial intimal NETosis and preserve endothelial integrity. Cardiovascular Research, 2021, 117, 2652-2663.	3.8	24
9	Reactivation of the tumor suppressor PTEN by mRNA nanoparticles enhances antitumor immunity in preclinical models. Science Translational Medicine, 2021, 13, .	12.4	111
10	Biomaterials and nanomedicine for bone regeneration: Progress and future prospects. Exploration, 2021, 1, 20210011.	11.0	90
11	Redox-responsive polyprodrug nanoparticles for targeted siRNA delivery and synergistic liver cancer therapy. Biomaterials, 2020, 234, 119760.	11.4	89
12	A materials-science perspective on tackling COVID-19. Nature Reviews Materials, 2020, 5, 847-860.	48.7	228
13	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. Angewandte Chemie - International Edition, 2020, 59, 19787-19795.	13.8	88
14	siRNA nanoparticles targeting CaMKIIÎ³ in lesional macrophages improve atherosclerotic plaque stability in mice. Science Translational Medicine, 2020, 12, .	12.4	132
15	RÃ¼cktitelbild: Plattformen fÃ¼r die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren (Angew. Chem. 45/2020). Angewandte Chemie, 2020, 132, 20424-20424.	2.0	1
16	Plattformen fÃ¼r die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren. Angewandte Chemie, 2020, 132, 19955-19964.	2.0	5
17	Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. Nano Letters, 2020, 20, 4857-4863.	9.1	42
18	Germanene-Based Theranostic Materials for Surgical Adjuvant Treatment: Inhibiting Tumor Recurrence and Wound Infection. Matter, 2020, 3, 127-144.	10.0	190

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19	Marriage of black phosphorus and Cu2+ as effective photothermal agents for PET-guided combination cancer therapy. Nature Communications, 2020, 11, 2778.	12.8	233
20	Nanostructure Engineering by Simple Tuning of Lipid Combinations. Angewandte Chemie, 2020, 132, 6308-6311.	2.0	2
21	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. Nano Letters, 2020, 20, 3943-3955.	9.1	158
22	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. Matter, 2020, 2, 297-322.	10.0	165
23	Nanostructure Engineering by Simple Tuning of Lipid Combinations. Angewandte Chemie - International Edition, 2020, 59, 6249-6252.	13.8	19
24	Charge Conversional Biomimetic Nanocomplexes as a Multifunctional Platform for Boosting Orthotopic Glioblastoma RNAi Therapy. Nano Letters, 2020, 20, 1637-1646.	9.1	102
25	Sugar-Nanocapsules Imprinted with Microbial Molecular Patterns for mRNA Vaccination. Nano Letters, 2020, 20, 1499-1509.	9.1	61
26	Stimuli-Responsive Polymerâ€“Prodrug Hybrid Nanoplatform for Multistage siRNA Delivery and Combination Cancer Therapy. Nano Letters, 2019, 19, 5967-5974.	9.1	101
27	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. Angewandte Chemie, 2019, 131, 13539-13544.	2.0	41
28	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. Angewandte Chemie - International Edition, 2019, 58, 13405-13410.	13.8	102
29	2D Black Mica Nanosheets: Synthesis of Ultrathin Biotite Nanosheets as an Intelligent Theranostic Platform for Combination Cancer Therapy (Adv. Sci. 19/2019). Advanced Science, 2019, 6, 1970118.	11.2	2
30	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. Chemical Society Reviews, 2019, 48, 2891-2912.	38.1	482
31	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. ACS Nano, 2019, 13, 4876-4882.	14.6	77
32	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53 -deficient cancers to mTOR inhibition. Science Translational Medicine, 2019, 11, .	12.4	177
33	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. ACS Nano, 2019, 13, 357-370.	14.6	204
34	Drug loading augmentation in polymeric nanoparticles using a coaxial turbulent jet mixer: Yong investigator perspective. Journal of Colloid and Interface Science, 2019, 538, 45-50.	9.4	12
35	Nanotechnology-Based Strategies for siRNA Brain Delivery for Disease Therapy. Trends in Biotechnology, 2018, 36, 562-575.	9.3	139
36	Intracellular Mechanistic Understanding of 2D MoS₂ Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. ACS Nano, 2018, 12, 2922-2938.	14.6	188

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37	Engineering of Mature Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes Using Substrates with Multiscale Topography. Advanced Functional Materials, 2018, 28, 1707378.	14.9	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. Theranostics, 2018, 8, 6008-6024.	10.0	19
39	Cancer Theranostics: Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics (Adv. Mater. 38/2018). Advanced Materials, 2018, 30, 1870283.	21.0	3
40	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. Nature Biomedical Engineering, 2018, 2, 850-864.	22.5	214
41	Redoxâ€Responsive Nanoparticleâ€Mediated Systemic RNAi for Effective Cancer Therapy. Small, 2018, 14, e1802565.	10.0	85
42	Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics. Advanced Materials, 2018, 30, e1802061.	21.0	314
43	Flat Cell Culturing Surface May Cause Misinterpretation of Cellular Uptake of Nanoparticles. Advanced Biology, 2018, 2, 1800046.	3.0	7
44	Biomedical Applications: Engineering of Mature Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes Using Substrates with Multiscale Topography (Adv. Funct. Mater. 19/2018). Advanced Functional Materials, 2018, 28, 1870128.	14.9	1
45	Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. Nano Letters, 2018, 18, 4618-4625.	9.1	173
46	Personalized protein corona on nanoparticles and its clinical implications. Biomaterials Science, 2017, 5, 378-387.	5.4	227
47	Hyper-cell-permeable micelles as a drug delivery carrier for effective cancer therapy. Biomaterials, 2017, 123, 118-126.	11.4	43
48	Multifunctional Envelope-Type siRNA Delivery Nanoparticle Platform for Prostate Cancer Therapy. ACS Nano, 2017, 11, 2618-2627.	14.6	172
49	Cancer immunotherapy: Wound-bound checkpoint blockade. Nature Biomedical Engineering, 2017, 1, .	22.5	15
50	Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126.	14.6	4
51	Antimonene Quantum Dots: Synthesis and Application as Nearâ€Infrared Photothermal Agents for Effective Cancer Therapy. Angewandte Chemie - International Edition, 2017, 56, 11896-11900.	13.8	465
52	Tumor Microenvironment-Responsive Multistaged Nanoplatform for Systemic RNAi and Cancer Therapy. Nano Letters, 2017, 17, 4427-4435.	9.1	119
53	Antimonene Quantum Dots: Synthesis and Application as Nearâ€Infrared Photothermal Agents for Effective Cancer Therapy. Angewandte Chemie, 2017, 129, 12058-12062.	2.0	93
54	Design of Insulin-Loaded Nanoparticles Enabled by Multistep Control of Nanoprecipitation and Zinc Chelation. ACS Applied Materials & Interfaces, 2017, 9, 11440-11450.	8.0	28

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55	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. Nature Communications, 2017, 8, 777.	12.8	507
56	Nanomedicine for safe healing of bone trauma: Opportunities and challenges. Biomaterials, 2017, 146, 168-182.	11.4	57
57	Multiscale technologies for treatment of ischemic cardiomyopathy. Nature Nanotechnology, 2017, 12, 845-855.	31.5	104
58	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in Ldlr^{â^'/â^'} Mice. Advanced Healthcare Materials, 2017, 6, 1700313.	7.6	63
59	ROSâ€Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. Advanced Materials, 2017, 29, 1700141.	21.0	370
60	Cellular uptake of nanoparticles: journey inside the cell. Chemical Society Reviews, 2017, 46, 4218-4244.	38.1	1,709
61	Evolution of macromolecular complexity in drug delivery systems. Nature Reviews Chemistry, 2017, 1, .	30.2	233
62	Innentitelbild: Antimonene Quantum Dots: Synthesis and Application as Nearâ€Infrared Photothermal Agents for Effective Cancer Therapy (Angew. Chem. 39/2017). Angewandte Chemie, 2017, 129, 11816-11816.	2.0	1
63	Challenges in DNA Delivery and Recent Advances in Multifunctional Polymeric DNA Delivery Systems. Biomacromolecules, 2017, 18, 2231-2246.	5.4	147
64	Cancer nanomedicine: progress, challenges and opportunities. Nature Reviews Cancer, 2017, 17, 20-37.	28.4	4,153
65	A drug-delivery strategy for overcoming drug resistance in breast cancer through targeting of oncofetal fibronectin. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 713-722.	3.3	38
66	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. Trends in Biotechnology, 2017, 35, 257-264.	9.3	313
67	Emerging Advances in Nanotheranostics with Intelligent Bioresponsive Systems. Theranostics, 2017, 7, 3915-3919.	10.0	48
68	Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery In Vitro and In Vivo. Theranostics, 2017, 7, 1990-2002.	10.0	81
69	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. Angewandte Chemie - International Edition, 2016, 55, 3309-3312.	13.8	121
70	Ultraâ€pHâ€Responsive and Tumorâ€Penetrating Nanoplatform for Targeted siRNA Delivery with Robust Antiâ€Cancer Efficacy. Angewandte Chemie - International Edition, 2016, 55, 7091-7094.	13.8	216
71	Preventing diet-induced obesity in mice by adipose tissue transformation and angiogenesis using targeted nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5552-5557.	7.1	127
72	Targeted Interleukin-10 Nanotherapeutics Developed with a Microfluidic Chip Enhance Resolution of Inflammation in Advanced Atherosclerosis. ACS Nano, 2016, 10, 5280-5292.	14.6	170

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73	Targeted nanoparticles for colorectal cancer. Nanomedicine, 2016, 11, 2443-2456.	3.3	117
74	Emerging understanding of the protein corona at the nano-bio interfaces. Nano Today, 2016, 11, 817-832.	11.9	205
75	Nanomedicines for renal disease: current status and future applications. Nature Reviews Nephrology, 2016, 12, 738-753.	9.6	179
76	Ultraâ€pHâ€Responsive and Tumorâ€Penetrating Nanoplatform for Targeted siRNA Delivery with Robust Antiâ€Cancer Efficacy. Angewandte Chemie, 2016, 128, 7207-7210.	2.0	10
77	Theranostic near-infrared fluorescent nanoplatform for imaging and systemic siRNA delivery to metastatic anaplastic thyroid cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7750-7755.	7.1	73
78	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. Angewandte Chemie, 2016, 128, 3370-3373.	2.0	10
79	Degradable Controlled-Release Polymers and Polymeric Nanoparticles: Mechanisms of Controlling Drug Release. Chemical Reviews, 2016, 116, 2602-2663.	47.7	2,018
80	Nanotechnology for protein delivery: Overview and perspectives. Journal of Controlled Release, 2016, 240, 24-37.	9.9	294
81	Hydrophobic Cysteine Poly(disulfide)â€based Redoxâ€Hypersensitive Nanoparticle Platform for Cancer Theranostics. Angewandte Chemie - International Edition, 2015, 54, 9218-9223.	13.8	164
82	Drug Delivery Nanocarriers from a Fully Degradable PEGâ€Conjugated Polyester with a Reductionâ€Responsive Backbone. Chemistry - A European Journal, 2015, 21, 11325-11329.	3.3	26
83	Targeted nanoparticles containing the proresolving peptide Ac2-26 protect against advanced atherosclerosis in hypercholesterolemic mice. Science Translational Medicine, 2015, 7, 275ra20.	12.4	269
84	Effect of PEG Pairing on the Efficiency of Cancer-Targeting Liposomes. Theranostics, 2015, 5, 746-754.	10.0	61
85	Nanomedicines for endothelial disorders. Nano Today, 2015, 10, 759-776.	11.9	49
86	Cancer nanomedicine: from targeted delivery to combination therapy. Trends in Molecular Medicine, 2015, 21, 223-232.	6.7	578
87	Polymeric synthetic nanoparticles for the induction of antigen-specific immunological tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E156-65.	7.1	364
88	Long-circulating siRNA nanoparticles for validating Prohibitin1-targeted non-small cell lung cancer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7779-7784.	7.1	170
89	A mucosal vaccine against Chlamydia trachomatis generates two waves of protective memory T cells. Science, 2015, 348, aaa8205.	12.6	312
90	Polymeric nanoparticle drug delivery technologies for oral delivery applications. Expert Opinion on Drug Delivery, 2015, 12, 1459-1473.	5.0	206

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91	Tumour-associated macrophages act as a slow-release reservoir of nano-therapeutic Pt(IV) pro-drug. Nature Communications, 2015, 6, 8692.	12.8	353
92	Platelet mimicry. Nature, 2015, 526, 47-48.	27.8	40
93	Predicting therapeutic nanomedicine efficacy using a companion magnetic resonance imaging nanoparticle. Science Translational Medicine, 2015, 7, 314ra183.	12.4	273
94	Nanoparticles Containing a Liver X Receptor Agonist Inhibit Inflammation and Atherosclerosis. Advanced Healthcare Materials, 2015, 4, 228-236.	7.6	66
95	Annexin A1â€“containing extracellular vesicles and polymeric nanoparticles promote epithelial wound repair. Journal of Clinical Investigation, 2015, 125, 1215-1227.	8.2	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. Advanced Healthcare Materials, 2014, 3, 1448-1456.	7.6	26
98	Fourth Annual Conference of the American Society for Nanomedicine. Journal of NeuroImmune Pharmacology, 2014, 9, 1-38.	4.1	2
99	Ultra-High Throughput Synthesis of Nanoparticles with Homogeneous Size Distribution Using a Coaxial Turbulent Jet Mixer. ACS Nano, 2014, 8, 6056-6065.	14.6	217
100	Cancer nanotechnology: The impact of passive and active targeting in the era of modern cancer biology. Advanced Drug Delivery Reviews, 2014, 66, 2-25.	13.7	2,275
101	A Solvent-Free Thermosponge Nanoparticle Platform for Efficient Delivery of Labile Proteins. Nano Letters, 2014, 14, 6449-6455.	9.1	36
102	Development of Multinuclear Polymeric Nanoparticles as Robust Protein Nanocarriers. Angewandte Chemie - International Edition, 2014, 53, 8975-8979.	13.8	122
103	Polymer- and Protein-Based Nanotechnologies for Cancer Theranostics. , 2014, , 419-436.		12
104	Current Progress of Aptamer-Based Molecular Imaging. Journal of Nuclear Medicine, 2014, 55, 353-356.	5.0	91
105	Insight into nanoparticle cellular uptake and intracellular targeting. Journal of Controlled Release, 2014, 190, 485-499.	9.9	624
106	Polymeric Nanoparticle Technologies for Oral Drug Delivery. Clinical Gastroenterology and Hepatology, 2014, 12, 1605-1610.	4.4	122
107	Engineered nanomedicine for myeloma and bone microenvironment targeting. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10287-10292.	7.1	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. Vaccine, 2014, 32, 2882-2895.	3.8	144

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109	Parallel microfluidic synthesis of size-tunable polymeric nanoparticles using 3D flow focusing towards in vivo study. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 401-409.	3.3	134
110	Hybrid lipidâ€“polymer nanoparticles for sustained siRNA delivery and gene silencing. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, e897-e900.	3.3	76
111	Synthesis and in vitro evaluation of a multifunctional and surface-switchable nanoemulsion platform. Chemical Communications, 2013, 49, 9392.	4.1	16
112	Synthesis of Polymerâ€“Lipid Nanoparticles for Image-Guided Delivery of Dual Modality Therapy. Bioconjugate Chemistry, 2013, 24, 1429-1434.	3.6	104
113	Single Step Reconstitution of Multifunctional High-Density Lipoprotein-Derived Nanomaterials Using Microfluidics. ACS Nano, 2013, 7, 9975-9983.	14.6	104
114	Enhancing tumor cell response to chemotherapy through nanoparticle-mediated codelivery of siRNA and cisplatin prodrug. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18638-18643.	7.1	302
115	Transepithelial Transport of Fc-Targeted Nanoparticles by the Neonatal Fc Receptor for Oral Delivery. Science Translational Medicine, 2013, 5, 213ra167.	12.4	326
116	HER2-specific aptide conjugated magneto-nanoclusters for potential breast cancer imaging and therapy. Journal of Materials Chemistry B, 2013, 1, 4576.	5.8	14
117	Synergistic cytotoxicity of irinotecan and cisplatin in dual-drug targeted polymeric nanoparticles. Nanomedicine, 2013, 8, 687-698.	3.3	65
118	Nanoparticle Encapsulation of Mitaplatin and the Effect Thereof on In Vivo Properties. ACS Nano, 2013, 7, 5675-5683.	14.6	89
119	Microfluidic Platform for Combinatorial Synthesis and Optimization of Targeted Nanoparticles for Cancer Therapy. ACS Nano, 2013, 7, 10671-10680.	14.6	196
120	Spontaneous Formation of Heterogeneous Patches on Polymerâ€“Lipid Coreâ€“Shell Particle Surfaces during Selfâ€Assembly. Small, 2013, 9, 511-517.	10.0	17
121	Nanoparticle Design For Bone-Specific Chemotherapy and Microenvironmental Targeting In Multiple Myeloma. Blood, 2013, 122, 881-881.	1.4	1
122	Surface Charge-Switching Polymeric Nanoparticles for Bacterial Cell Wall-Targeted Delivery of Antibiotics. ACS Nano, 2012, 6, 4279-4287.	14.6	447
123	Bioinspired multivalent DNA network for capture and release of cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19626-19631.	7.1	266
124	Engineering of Targeted Nanoparticles for Cancer Therapy Using Internalizing Aptamers Isolated by Cell-Uptake Selection. ACS Nano, 2012, 6, 696-704.	14.6	148
125	Interactions of nanomaterials and biological systems: Implications to personalized nanomedicine. Advanced Drug Delivery Reviews, 2012, 64, 1363-1384.	13.7	365
126	DNA Selfâ€Assembly of Targeted Nearâ€Infraredâ€Responsive Gold Nanoparticles for Cancer Thermoâ€Chemotherapy. Angewandte Chemie - International Edition, 2012, 51, 11853-11857.	13.8	299

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127	Microfluidic technologies for accelerating the clinical translation of nanoparticles. Nature Nanotechnology, 2012, 7, 623-629.	31.5	571
128	Engineering of lipid-coated PLGA nanoparticles with a tunable payload of diagnostically active nanocrystals for medical imaging. Chemical Communications, 2012, 48, 5835.	4.1	76
129	Î±_VÎ²₃ Integrin-Targeted PLGA-PEG Nanoparticles for Enhanced Anti-tumor Efficacy of a Pt(IV) Prodrug. ACS Nano, 2012, 6, 4530-4539.	14.6	281
130	Mass Production and Size Control of Lipidâ€“Polymer Hybrid Nanoparticles through Controlled Microvortices. Nano Letters, 2012, 12, 3587-3591.	9.1	189
131	Nanoparticle Delivery of Cancer Drugs. Annual Review of Medicine, 2012, 63, 185-198.	12.2	1,347
132	Targeted polymeric therapeutic nanoparticles: design, development and clinical translation. Chemical Society Reviews, 2012, 41, 2971.	38.1	1,469
133	Preclinical Development and Clinical Translation of a PSMA-Targeted Docetaxel Nanoparticle with a Differentiated Pharmacological Profile. Science Translational Medicine, 2012, 4, 128ra39.	12.4	978
134	Aptamer-Functionalized Nanoparticles for Medical Applications: Challenges and Opportunities. ACS Nano, 2012, 6, 3670-3676.	14.6	149
135	Using ligands to target cancer cells. Clinical Advances in Hematology and Oncology, 2012, 10, 543-4.	0.3	8
136	Targeted delivery of a cisplatin prodrug for safer and more effective prostate cancer therapy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1850-1855.	7.1	467
137	Self-Assembled Targeted Nanoparticles: Evolution of Technologies and Bench to Bedside Translation. Accounts of Chemical Research, 2011, 44, 1123-1134.	15.6	416
138	Advances in Drug Delivery. Annual Review of Materials Research, 2011, 41, 1-20.	9.3	125
139	Synthesis of Sizeâ€Tunable Polymeric Nanoparticles Enabled by 3D Hydrodynamic Flow Focusing in Singleâ€Layer Microchannels. Advanced Materials, 2011, 23, H79-83.	21.0	200
140	Differentially Charged Hollow Core/Shell Lipidâ€“Polymerâ€“Lipid Hybrid Nanoparticles for Small Interfering RNA Delivery. Angewandte Chemie - International Edition, 2011, 50, 7027-7031.	13.8	156
141	Selfâ€Propelled Microrockets to Capture and Isolate Circulating Tumor Cells. Angewandte Chemie - International Edition, 2011, 50, 7220-7221.	13.8	10
142	Effects of ligands with different water solubilities on self-assembly and properties of targeted nanoparticles. Biomaterials, 2011, 32, 6226-6233.	11.4	169
143	In vivo prevention of arterial restenosis with paclitaxel-encapsulated targeted lipidâ€“polymeric nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19347-19352.	7.1	121
144	Progress in siRNA Delivery Using Multifunctional Nanoparticles. Methods in Molecular Biology, 2010, 629, 53-67.	0.9	32

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145	Emerging nanotechnology approaches for HIV/AIDS treatment and prevention. Nanomedicine, 2010, 5, 269-285.	3.3	201
146	Poly(ethylene glycol) with Observable Shedding. Angewandte Chemie - International Edition, 2010, 49, 6567-6571.	13.8	65
147	On firm ground: IP protection of therapeutic nanoparticles. Nature Biotechnology, 2010, 28, 1267-1270.	17.5	75
148	Spatiotemporal controlled delivery of nanoparticles to injured vasculature. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2213-2218.	7.1	231
149	Engineering of self-assembled nanoparticle platform for precisely controlled combination drug therapy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17939-17944.	7.1	545
150	Nanoparticle Technologies for Cancer Therapy. Handbook of Experimental Pharmacology, 2010, , 55-86.	1.8	262
151	ChemoRad nanoparticles: a novel multifunctional nanoparticle platform for targeted delivery of concurrent chemoradiation. Nanomedicine, 2010, 5, 361-368.	3.3	95
152	Polymeric Nanoparticles for Drug Delivery. Methods in Molecular Biology, 2010, 624, 163-175.	0.9	226
153	Single-Step Assembly of Homogenous Lipidâ^'Polymeric and Lipidâ^'Quantum Dot Nanoparticles Enabled by Microfluidic Rapid Mixing. ACS Nano, 2010, 4, 1671-1679.	14.6	283
154	pH-Responsive Nanoparticles for Drug Delivery. Molecular Pharmaceutics, 2010, 7, 1913-1920.	4.6	806
155	Nanotechnology in Drug Delivery and Tissue Engineering: From Discovery to Applications. Nano Letters, 2010, 10, 3223-3230.	9.1	1,369
156	Design of a mechanical clutch-based needle-insertion device. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5540-5545.	7.1	13
157	PLGAâ€“lecithinâ€“PEG coreâ€“shell nanoparticles for controlled drug delivery. Biomaterials, 2009, 30, 1627-1634.	11.4	620
158	Immunocompatibility properties of lipidâ€“polymer hybrid nanoparticles with heterogeneous surface functional groups. Biomaterials, 2009, 30, 2231-2240.	11.4	240
159	Impact of Nanotechnology on Drug Delivery. ACS Nano, 2009, 3, 16-20.	14.6	2,760
160	Multifunctional nanoparticles for prostate cancer therapy. Expert Review of Anticancer Therapy, 2009, 9, 211-221.	2.4	23
161	Formulation/Preparation of Functionalized Nanoparticles for In Vivo Targeted Drug Delivery. Methods in Molecular Biology, 2009, 544, 589-598.	0.9	48
162	Superparamagnetic Iron Oxide Nanoparticleâ€“Aptamer Bioconjugates for Combined Prostate Cancer Imaging and Therapy. ChemMedChem, 2008, 3, 1311-1315.	3.2	297

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163	HERâ€2â€Targeted Nanoparticleâ€“Affibody Bioconjugates for Cancer Therapy. ChemMedChem, 2008, 3, 1839-1843.	3.2	143
164	The use of charge-coupled polymeric microparticles and micromagnets for modulating the bioavailability of orally delivered macromolecules. Biomaterials, 2008, 29, 1216-1223.	11.4	63
165	Biofunctionalized targeted nanoparticles for therapeutic applications. Expert Opinion on Biological Therapy, 2008, 8, 1063-1070.	3.1	225
166	Nanotechnology for drug delivery: the perfect partnership. Expert Opinion on Drug Delivery, 2008, 5, 927-929.	5.0	71
167	Nanotechnology and aptamers: applications in drug delivery. Trends in Biotechnology, 2008, 26, 442-449.	9.3	247
168	New frontiers in nanotechnology for cancer treatment. Urologic Oncology: Seminars and Original Investigations, 2008, 26, 74-85.	1.6	274
169	Microfluidic Platform for Controlled Synthesis of Polymeric Nanoparticles. Nano Letters, 2008, 8, 2906-2912.	9.1	728
170	Self-Assembled Lipidâ˜'Polymer Hybrid Nanoparticles: A Robust Drug Delivery Platform. ACS Nano, 2008, 2, 1696-1702.	14.6	851
171	Factors Affecting the Clearance and Biodistribution of Polymeric Nanoparticles. Molecular Pharmaceutics, 2008, 5, 505-515.	4.6	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.	7.1	649
174	Nanofabrication and Microfabrication of Functional Materials for Tissue Engineering. Tissue Engineering, 2007, 13, 1867-1877.	4.6	117
175	Biodegradable, polymeric nanoparticle delivery systems for cancer therapy. Nanomedicine, 2007, 2, 669-680.	3.3	219
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