

Omid C Farokhzad

List of Publications by Citations

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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.

200
papers

53,280
citations

103
h-index

208
g-index

208
ext. papers

59,504
ext. citations

13.9
avg, IF

7.99
L-index

#	Paper	IF	Citations
200	Nanocarriers as an emerging platform for cancer therapy. <i>Nature Nanotechnology</i> , 2007 , 2, 751-60	28.7	6530
199	Cancer nanomedicine: progress, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2017 , 17, 20-37	31.3	2988
198	Factors affecting the clearance and biodistribution of polymeric nanoparticles. <i>Molecular Pharmaceutics</i> , 2008 , 5, 505-15	5.6	2561
197	Impact of nanotechnology on drug delivery. <i>ACS Nano</i> , 2009 , 3, 16-20	16.7	2337
196	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	18.5	1848
195	Targeted nanoparticle-aptamer bioconjugates for cancer chemotherapy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6315-20	11.5	1448
194	Degradable Controlled-Release Polymers and Polymeric Nanoparticles: Mechanisms of Controlling Drug Release. <i>Chemical Reviews</i> , 2016 , 116, 2602-63	68.1	1422
193	Targeted polymeric therapeutic nanoparticles: design, development and clinical translation. <i>Chemical Society Reviews</i> , 2012 , 41, 2971-3010	58.5	1286
192	Nanoparticle delivery of cancer drugs. <i>Annual Review of Medicine</i> , 2012 , 63, 185-98	17.4	1176
191	Nanotechnology in drug delivery and tissue engineering: from discovery to applications. <i>Nano Letters</i> , 2010 , 10, 3223-30	11.5	1158
190	Formulation of functionalized PLGA-PEG nanoparticles for in vivo targeted drug delivery. <i>Biomaterials</i> , 2007 , 28, 869-76	15.6	1053
189	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017 , 46, 4218-4244	58.5	1045
188	Preclinical development and clinical translation of a PSMA-targeted docetaxel nanoparticle with a differentiated pharmacological profile. <i>Science Translational Medicine</i> , 2012 , 4, 128ra39	17.5	866
187	Quantum dot-aptamer conjugates for synchronous cancer imaging, therapy, and sensing of drug delivery based on bi-fluorescence resonance energy transfer. <i>Nano Letters</i> , 2007 , 7, 3065-70	11.5	830
186	Nanoparticle-aptamer bioconjugates: a new approach for targeting prostate cancer cells. <i>Cancer Research</i> , 2004 , 64, 7668-72	10.1	788
185	Self-assembled lipid-polymer hybrid nanoparticles: a robust drug delivery platform. <i>ACS Nano</i> , 2008 , 2, 1696-702	16.7	721
184	pH-Responsive nanoparticles for drug delivery. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1913-20	5.6	705

183	Nanomedicine: developing smarter therapeutic and diagnostic modalities. <i>Advanced Drug Delivery Reviews</i> , 2006 , 58, 1456-9	18.5	632
182	Microfluidic platform for controlled synthesis of polymeric nanoparticles. <i>Nano Letters</i> , 2008 , 8, 2906-12	11.5	616
181	Precise engineering of targeted nanoparticles by using self-assembled biointegrated block copolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2586-91	11.5	596
180	PLGA-lecithin-PEG core-shell nanoparticles for controlled drug delivery. <i>Biomaterials</i> , 2009 , 30, 1627-34	15.6	563
179	Insight into nanoparticle cellular uptake and intracellular targeting. <i>Journal of Controlled Release</i> , 2014 , 190, 485-99	11.7	499
178	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, 17939-44	11.5	492
177	Microfluidic technologies for accelerating the clinical translation of nanoparticles. <i>Nature Nanotechnology</i> , 2012 , 7, 623-9	28.7	489
176	An aptamer-doxorubicin physical conjugate as a novel targeted drug-delivery platform. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 8149-52	16.4	485
175	Cancer nanomedicine: from targeted delivery to combination therapy. <i>Trends in Molecular Medicine</i> , 2015 , 21, 223-32	11.5	470
174	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, 1850-5	11.5	417
173	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11896-11900	16.4	391
172	Targeted nanoparticles for cancer therapy. <i>Nano Today</i> , 2007 , 2, 14-21	17.9	373
171	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , 2017 , 8, 777	17.4	362
170	Self-assembled targeted nanoparticles: evolution of technologies and bench to bedside translation. <i>Accounts of Chemical Research</i> , 2011 , 44, 1123-34	24.3	360
169	Surface charge-switching polymeric nanoparticles for bacterial cell wall-targeted delivery of antibiotics. <i>ACS Nano</i> , 2012 , 6, 4279-87	16.7	359
168	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019 , 48, 2891-2912	58.5	345
167	Interactions of nanomaterials and biological systems: Implications to personalized nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1363-84	18.5	296
166	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	11.5	295

165	Transepithelial transport of Fc-targeted nanoparticles by the neonatal fc receptor for oral delivery. <i>Science Translational Medicine</i> , 2013 , 5, 213ra167	17.5	286
164	Tumour-associated macrophages act as a slow-release reservoir of nano-therapeutic Pt(IV) pro-drug. <i>Nature Communications</i> , 2015 , 6, 8692	17.4	281
163	ROS-Responsive Polyprodrug Nanoparticles for Triggered Drug Delivery and Effective Cancer Therapy. <i>Advanced Materials</i> , 2017 , 29, 1700141	24	281
162	DNA self-assembly of targeted near-infrared-responsive gold nanoparticles for cancer thermo-chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11853-7	16.4	275
161	(M) integrin-targeted PLGA-PEG nanoparticles for enhanced anti-tumor efficacy of a Pt(IV) prodrug. <i>ACS Nano</i> , 2012 , 6, 4530-9	16.7	261
160	Superparamagnetic iron oxide nanoparticle-aptamer bioconjugates for combined prostate cancer imaging and therapy. <i>ChemMedChem</i> , 2008 , 3, 1311-5	3.7	261
159	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018 , 30, e1802061	24	260
158	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, 18638-43	11.5	255
157	Single-step assembly of homogenous lipid-polymeric and lipid-quantum dot nanoparticles enabled by microfluidic rapid mixing. <i>ACS Nano</i> , 2010 , 4, 1671-9	16.7	248
156	Biological Identity of Nanoparticles In Vivo: Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017 , 35, 257-264	15.1	244
155	VACCINES. A mucosal vaccine against Chlamydia trachomatis generates two waves of protective memory T cells. <i>Science</i> , 2015 , 348, aaa8205	33.3	235
154	New frontiers in nanotechnology for cancer treatment. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2008 , 26, 74-85	2.8	233
153	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, 19626-31	11.5	228
152	Nanoparticle technologies for cancer therapy. <i>Handbook of Experimental Pharmacology</i> , 2010 , 55-86	3.2	226
151	Predicting therapeutic nanomedicine efficacy using a companion magnetic resonance imaging nanoparticle. <i>Science Translational Medicine</i> , 2015 , 7, 314ra183	17.5	225
150	Co-delivery of hydrophobic and hydrophilic drugs from nanoparticle-aptamer bioconjugates. <i>ChemMedChem</i> , 2007 , 2, 1268-71	3.7	215
149	Nanotechnology for protein delivery: Overview and perspectives. <i>Journal of Controlled Release</i> , 2016 , 240, 24-37	11.7	214
148	Nanotechnology and aptamers: applications in drug delivery. <i>Trends in Biotechnology</i> , 2008 , 26, 442-9	15.1	212

147	Immunocompatibility properties of lipid-polymer hybrid nanoparticles with heterogeneous surface functional groups. <i>Biomaterials</i> , 2009 , 30, 2231-40	15.6	211
146	Targeted nanoparticles containing the proresolving peptide Ac2-26 protect against advanced atherosclerosis in hypercholesterolemic mice. <i>Science Translational Medicine</i> , 2015 , 7, 275ra20	17.5	210
145	Nanoparticle-aptamer bioconjugates for cancer targeting. <i>Expert Opinion on Drug Delivery</i> , 2006 , 3, 311-24	24	208
144	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, 2213-8	11.5	207
143	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, 10287-92	11.5	204
142	Micropatterned cell co-cultures using layer-by-layer deposition of extracellular matrix components. <i>Biomaterials</i> , 2006 , 27, 1479-86	15.6	202
141	Cell docking inside microwells within reversibly sealed microfluidic channels for fabricating multiphenotype cell arrays. <i>Lab on A Chip</i> , 2005 , 5, 1380-6	7.2	200
140	Biofunctionalized targeted nanoparticles for therapeutic applications. <i>Expert Opinion on Biological Therapy</i> , 2008 , 8, 1063-70	5.4	197
139	Biodegradable, polymeric nanoparticle delivery systems for cancer therapy. <i>Nanomedicine</i> , 2007 , 2, 669-80	80	196
138	Annexin A1-containing extracellular vesicles and polymeric nanoparticles promote epithelial wound repair. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1215-27	15.9	192
137	Polymeric nanoparticles for drug delivery. <i>Methods in Molecular Biology</i> , 2010 , 624, 163-75	1.4	189
136	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	16.4	180
135	Evolution of macromolecular complexity in drug delivery systems. <i>Nature Reviews Chemistry</i> , 2017 , 1,	34.6	174
134	Emerging understanding of the protein corona at the nano-bio interfaces. <i>Nano Today</i> , 2016 , 11, 817-832	27.9	171
133	Microfluidic platform for combinatorial synthesis and optimization of targeted nanoparticles for cancer therapy. <i>ACS Nano</i> , 2013 , 7, 10671-80	16.7	171
132	Synthesis of size-tunable polymeric nanoparticles enabled by 3D hydrodynamic flow focusing in single-layer microchannels. <i>Advanced Materials</i> , 2011 , 23, H79-83	24	169
131	Personalized protein corona on nanoparticles and its clinical implications. <i>Biomaterials Science</i> , 2017 , 5, 378-387	7.4	165
130	Ultra-high throughput synthesis of nanoparticles with homogeneous size distribution using a coaxial turbulent jet mixer. <i>ACS Nano</i> , 2014 , 8, 6056-65	16.7	163

129	Emerging nanotechnology approaches for HIV/AIDS treatment and prevention. <i>Nanomedicine</i> , 2010 , 5, 269-85	5.6	163
128	Mass production and size control of lipid-polymer hybrid nanoparticles through controlled microvortices. <i>Nano Letters</i> , 2012 , 12, 3587-91	11.5	158
127	Polymeric nanoparticle drug delivery technologies for oral delivery applications. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 1459-73	8	155
126	Effects of ligands with different water solubilities on self-assembly and properties of targeted nanoparticles. <i>Biomaterials</i> , 2011 , 32, 6226-33	15.6	151
125	Intracellular Mechanistic Understanding of 2D MoS Nanosheets for Anti-Exocytosis-Enhanced Synergistic Cancer Therapy. <i>ACS Nano</i> , 2018 , 12, 2922-2938	16.7	145
124	Microfluidic system for studying the interaction of nanoparticles and microparticles with cells. <i>Analytical Chemistry</i> , 2005 , 77, 5453-9	7.8	145
123	Multifunctional Envelope-Type siRNA Delivery Nanoparticle Platform for Prostate Cancer Therapy. <i>ACS Nano</i> , 2017 , 11, 2618-2627	16.7	142
122	Hydrophobic Cysteine Poly(disulfide)-based Redox-Hypersensitive Nanoparticle Platform for Cancer Theranostics. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9218-23	16.4	141
121	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, 7779-84	11.5	137
120	Engineering of targeted nanoparticles for cancer therapy using internalizing aptamers isolated by cell-uptake selection. <i>ACS Nano</i> , 2012 , 6, 696-704	16.7	136
119	Differentially charged hollow core/shell lipid-polymer-lipid hybrid nanoparticles for small interfering RNA delivery. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7027-31	16.4	135
118	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. <i>ACS Nano</i> , 2019 , 13, 357-370	16.7	134
117	Aptamer-functionalized nanoparticles for medical applications: challenges and opportunities. <i>ACS Nano</i> , 2012 , 6, 3670-6	16.7	133
116	Restoration of tumour-growth suppression in vivo via systemic nanoparticle-mediated delivery of PTEN mRNA. <i>Nature Biomedical Engineering</i> , 2018 , 2, 850-864	19	127
115	Nanomedicines for renal disease: current status and future applications. <i>Nature Reviews Nephrology</i> , 2016 , 12, 738-753	14.9	125
114	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, 2882-95	4.1	124
113	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	11.5	123
112	A materials-science perspective on tackling COVID-19. <i>Nature Reviews Materials</i> , 2020 , 1-14	73.3	123

111	Marriage of black phosphorus and Cu as effective photothermal agents for PET-guided combination cancer therapy. <i>Nature Communications</i> , 2020 , 11, 2778	17.4	121
110	Targeted Interleukin-10 Nanotherapeutics Developed with a Microfluidic Chip Enhance Resolution of Inflammation in Advanced Atherosclerosis. <i>ACS Nano</i> , 2016 , 10, 5280-92	16.7	120
109	HER-2-targeted nanoparticle-affibody bioconjugates for cancer therapy. <i>ChemMedChem</i> , 2008 , 3, 1839-43	13.7	119
108	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, 401-9	6	117
107	Challenges in DNA Delivery and Recent Advances in Multifunctional Polymeric DNA Delivery Systems. <i>Biomacromolecules</i> , 2017 , 18, 2231-2246	6.9	115
106	Magnetically responsive polymeric microparticles for oral delivery of protein drugs. <i>Pharmaceutical Research</i> , 2006 , 23, 557-64	4.5	113
105	Germanene-Based Theranostic Materials for Surgical Adjuvant Treatment: Inhibiting Tumor Recurrence and Wound Infection. <i>Matter</i> , 2020 , 3, 127-144	12.7	112
104	Advances in Drug Delivery. <i>Annual Review of Materials Research</i> , 2011 , 41, 1-20	12.8	112
103	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, 19347-52	11.5	111
102	Nanofabrication and microfabrication of functional materials for tissue engineering. <i>Tissue Engineering</i> , 2007 , 13, 1867-77		110
101	Development of multinuclear polymeric nanoparticles as robust protein nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8975-9	16.4	108
100	Tumor Microenvironment-Responsive Multistaged Nanoplatfom for Systemic RNAi and Cancer Therapy. <i>Nano Letters</i> , 2017 , 17, 4427-4435	11.5	104
99	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. <i>Matter</i> , 2020 , 2, 297-322	12.7	104
98	Polymeric nanoparticle technologies for oral drug delivery. <i>Clinical Gastroenterology and Hepatology</i> , 2014 , 12, 1605-10	6.9	98
97	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, 5552-7	11.5	98
96	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	11.5	97
95	Polymeric Nanoparticles Amenable to Simultaneous Installation of Exterior Targeting and Interior Therapeutic Proteins. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3309-12	16.4	94
94	Synthesis of polymer-lipid nanoparticles for image-guided delivery of dual modality therapy. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1429-34	6.3	93

93	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes -deficient cancers to mTOR inhibition. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	92
92	Single step reconstitution of multifunctional high-density lipoprotein-derived nanomaterials using microfluidics. <i>ACS Nano</i> , 2013 , 7, 9975-83	16.7	89
91	Nanotechnology-Based Strategies for siRNA Brain Delivery for Disease Therapy. <i>Trends in Biotechnology</i> , 2018 , 36, 562-575	15.1	87
90	ChemoRad nanoparticles: a novel multifunctional nanoparticle platform for targeted delivery of concurrent chemoradiation. <i>Nanomedicine</i> , 2010 , 5, 361-8	5.6	86
89	Multiscale technologies for treatment of ischemic cardiomyopathy. <i>Nature Nanotechnology</i> , 2017 , 12, 845-855	28.7	84
88	Targeted nanoparticles for colorectal cancer. <i>Nanomedicine</i> , 2016 , 11, 2443-56	5.6	83
87	Nanoparticle encapsulation of mitaplatin and the effect thereof on in vivo properties. <i>ACS Nano</i> , 2013 , 7, 5675-83	16.7	80
86	Current progress of aptamer-based molecular imaging. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 353-6	8.9	79
85	PKC-epsilon regulates basolateral endocytosis in human T84 intestinal epithelia: role of F-actin and MARCKS. <i>American Journal of Physiology - Cell Physiology</i> , 1999 , 277, C1239-49	5.4	79
84	Antimonene Quantum Dots: Synthesis and Application as Near-Infrared Photothermal Agents for Effective Cancer Therapy. <i>Angewandte Chemie</i> , 2017 , 129, 12058-12062	3.6	78
83	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13405-13410	16.4	75
82	siRNA nanoparticles targeting CaMKII β in lesional macrophages improve atherosclerotic plaque stability in mice. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	70
81	DNA Self-Assembly of Targeted Near-Infrared-Responsive Gold Nanoparticles for Cancer Thermo-Chemotherapy. <i>Angewandte Chemie</i> , 2012 , 124, 12023-12027	3.6	68
80	On firm ground: IP protection of therapeutic nanoparticles. <i>Nature Biotechnology</i> , 2010 , 28, 1267-70	44.5	67
79	Stimuli-Responsive Polymer-Prodrug Hybrid Nanoplatform for Multistage siRNA Delivery and Combination Cancer Therapy. <i>Nano Letters</i> , 2019 , 19, 5967-5974	11.5	66
78	Engineering of lipid-coated PLGA nanoparticles with a tunable payload of diagnostically active nanocrystals for medical imaging. <i>Chemical Communications</i> , 2012 , 48, 5835-7	5.8	66
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, 7750-5	11.5	62
76	Synergistic cytotoxicity of irinotecan and cisplatin in dual-drug targeted polymeric nanoparticles. <i>Nanomedicine</i> , 2013 , 8, 687-98	5.6	62

75	Poly(ethylene glycol) with observable shedding. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6567-71	16.4	62
74	Hybrid lipid-polymer nanoparticles for sustained siRNA delivery and gene silencing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 897-900	6	61
73	Redox-Responsive Nanoparticle-Mediated Systemic RNAi for Effective Cancer Therapy. <i>Small</i> , 2018 , 14, e1802565	11	57
72	Nanoparticles containing a liver X receptor agonist inhibit inflammation and atherosclerosis. <i>Advanced Healthcare Materials</i> , 2015 , 4, 228-36	10.1	56
71	Charge Conversional Biomimetic Nanocomplexes as a Multifunctional Platform for Boosting Orthotopic Glioblastoma RNAi Therapy. <i>Nano Letters</i> , 2020 , 20, 1637-1646	11.5	54
70	The use of charge-coupled polymeric microparticles and micromagnets for modulating the bioavailability of orally delivered macromolecules. <i>Biomaterials</i> , 2008 , 29, 1216-23	15.6	53
69	Stanene-Based Nanosheets for Elemene Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7155-7164	16.4	53
68	Redox-responsive polyprodrug nanoparticles for targeted siRNA delivery and synergistic liver cancer therapy. <i>Biomaterials</i> , 2020 , 234, 119760	15.6	50
67	Surface De-PEGylation Controls Nanoparticle-Mediated siRNA Delivery and. <i>Theranostics</i> , 2017 , 7, 1990-2002	20.2	47
66	Effect of PEG pairing on the efficiency of cancer-targeting liposomes. <i>Theranostics</i> , 2015 , 5, 746-54	12.1	47
65	Targeted Nanotherapeutics Encapsulating Liver X Receptor Agonist GW3965 Enhance Antiatherogenic Effects without Adverse Effects on Hepatic Lipid Metabolism in Ldlr Mice. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700313	10.1	46
64	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , 2019 , 13, 4876-4882	16.7	45
63	Nano-Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. <i>Accounts of Chemical Research</i> , 2021 , 54, 291-301	24.3	45
62	Adjuvant-pulsed mRNA vaccine nanoparticle for immunoprophylactic and therapeutic tumor suppression in mice. <i>Biomaterials</i> , 2021 , 266, 120431	15.6	42
61	Formulation/preparation of functionalized nanoparticles for in vivo targeted drug delivery. <i>Methods in Molecular Biology</i> , 2009 , 544, 589-98	1.4	41
60	Nanomedicine for safe healing of bone trauma: Opportunities and challenges. <i>Biomaterials</i> , 2017 , 146, 168-182	15.6	38
59	CD11c gene expression in hairy cell leukemia is dependent upon activation of the proto-oncogenes ras and junD. <i>Blood</i> , 2003 , 101, 4033-41	2.2	37
58	Hyper-cell-permeable micelles as a drug delivery carrier for effective cancer therapy. <i>Biomaterials</i> , 2017 , 123, 118-126	15.6	36

57	Sugar-Nanocapsules Imprinted with Microbial Molecular Patterns for mRNA Vaccination. <i>Nano Letters</i> , 2020 , 20, 1499-1509	11.5	34
56	Nanomedicines for Endothelial Disorders. <i>Nano Today</i> , 2015 , 10, 759-776	17.9	33
55	A solvent-free thermosponge nanoparticle platform for efficient delivery of labile proteins. <i>Nano Letters</i> , 2014 , 14, 6449-55	11.5	32
54	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	6	31
53	Differentially Charged Hollow Core/Shell Lipid-Polymer-Lipid Hybrid Nanoparticles for Small Interfering RNA Delivery. <i>Angewandte Chemie</i> , 2011 , 123, 7165-7169	3.6	31
52	Nanotechnology: Platelet mimicry. <i>Nature</i> , 2015 , 526, 47-8	50.4	30
51	Levamisole inhibits intestinal Cl ⁻ secretion via basolateral K ⁺ channel blockade. <i>Gastroenterology</i> , 1998 , 114, 1257-67	13.3	30
50	2D Monoelemental Germanene Quantum Dots: Synthesis as Robust Photothermal Agents for Photonic Cancer Nanomedicine. <i>Angewandte Chemie</i> , 2019 , 131, 13539-13544	3.6	29
49	Progress in siRNA delivery using multifunctional nanoparticles. <i>Methods in Molecular Biology</i> , 2010 , 629, 53-67	1.4	29
48	Drug delivery systems in urology--getting "smarter". <i>Urology</i> , 2006 , 68, 463-9	1.6	28
47	Engineering of Mature Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Using Substrates with Multiscale Topography. <i>Advanced Functional Materials</i> , 2018 , 28, 1707378	15.6	27
46	Hydrophobic Cysteine Poly(disulfide)-based Redox-Hypersensitive Nanoparticle Platform for Cancer Theranostics. <i>Angewandte Chemie</i> , 2015 , 127, 9350-9355	3.6	27
45	Design of Insulin-Loaded Nanoparticles Enabled by Multistep Control of Nanoprecipitation and Zinc Chelation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11440-11450	9.5	25
44	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19787-19795	16.4	25
43	Development of therapeutic polymeric nanoparticles for the resolution of inflammation. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1448-1456	10.1	22
42	Multifunctional nanoparticles for prostate cancer therapy. <i>Expert Review of Anticancer Therapy</i> , 2009 , 9, 211-21	3.5	21
41	Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. <i>Nano Letters</i> , 2020 , 20, 4857-4863	11.5	20
40	Biomaterials and nanomedicine for bone regeneration: Progress and future prospects. <i>Exploration</i> , 2021 , 1, 20210011		20

39	Drug Delivery Nanocarriers from a Fully Degradable PEG-Conjugated Polyester with a Reduction-Responsive Backbone. <i>Chemistry - A European Journal</i> , 2015 , 21, 11325-9	4.8	19
38	Reactivation of the tumor suppressor PTEN by mRNA nanoparticles enhances antitumor immunity in preclinical models. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	19
37	Spontaneous formation of heterogeneous patches on polymer-lipid core-shell particle surfaces during self-assembly. <i>Small</i> , 2013 , 9, 511-7	11	15
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35	HER2-specific aptide conjugated magneto-nanoclusters for potential breast cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4576-4583	7.3	14
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