Youqing Shen

List of Publications by Year
in descending order

309 papers	21,089 citations	10351 72 h-index	12233 133 g-index
334 all docs	334 docs citations	334 times ranked	20715 citing authors

#	Article	IF	Citations
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
2	Rational Design of Cancer Nanomedicine: Nanoproperty Integration and Synchronization. Advanced Materials, 2017, 29, 1606628.	11.1	771
3	Enzyme-activatable polymerâ€“drug conjugate augments tumour penetration and treatment efficacy. Nature Nanotechnology, 2019, 14, 799-809.	15.6	555
4	The Role of Micelle Size in Tumor Accumulation, Penetration, and Treatment. ACS Nano, 2015, 9, 7195-7206.	7.3	552
5	Prodrugs Forming High Drug Loading Multifunctional Nanocapsules for Intracellular Cancer Drug Delivery. Journal of the American Chemical Society, 2010, 132, 4259-4265.	6.6	532
6	In Vivo and in Situ Tracking Cancer Chemotherapy by Highly Photostable NIR Fluorescent Theranostic Prodrug. Journal of the American Chemical Society, 2014, 136, 3579-3588.	6.6	494
7	Supported Absorption of CO2 by Tetrabutylphosphonium Amino Acid Ionic Liquids. Chemistry - A European Journal, 2006, 12, 4021-4026.	1.7	484
8	Fabrication of micellar nanoparticles for drug delivery through the self-assembly of block copolymers. Progress in Polymer Science, 2010, 35, 1128-1143.	11.8	430
9	Tumor Redox Heterogeneityâ€Responsive Prodrug Nanocapsules for Cancer Chemotherapy. Advanced Materials, 2013, 25, 3670-3676.	11.1	355
10	Targeted Charge-Reversal Nanoparticles for Nuclear Drug Delivery. Angewandte Chemie - International Edition, 2007, 46, 4999-5002.	7.2	346
11	Precise nanomedicine for intelligent therapy of cancer. Science China Chemistry, 2018, 61, 1503-1552.	4.2	336
12	Preparation, surface functionalization and application of Fe3O4 magnetic nanoparticles. Advances in Colloid and Interface Science, 2020, 281, 102165.	7.0	332
13	Integration of Nanoassembly Functions for an Effective Delivery Cascade for Cancer Drugs. Advanced Materials, 2014, 26, 7615-7621.	11.1	317
14	Nonviral cancer gene therapy: Delivery cascade and vector nanoproperty integration. Advanced Drug Delivery Reviews, 2017, 115, 115-154.	6.6	307
15	Acid-Active Cell-Penetrating Peptides for in Vivo Tumor-Targeted Drug Delivery. Journal of the American Chemical Society, 2013, 135, 933-940.	6.6	303
16	Chargeâ€Reversal Drug Conjugate for Targeted Cancer Cell Nuclear Drug Delivery. Advanced Functional Materials, 2009, 19, 3580-3589.	7.8	291
17	Fusogenic Reactive Oxygen Species Triggered Chargeâ€Reversal Vector for Effective Gene Delivery. Advanced Materials, 2016, 28, 1743-1752.	11.1	288
18	A Tumorâ€Specific Cascade Amplification Drug Release Nanoparticle for Overcoming Multidrug Resistance in Cancers. Advanced Materials, 2017, 29, 1702342.	11.1	278

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19	Enhanced CO2 Absorption of Poly(ionic liquid)s. Macromolecules, 2005, 38, 2037-2039.	2.2	275
20	Carbon nanotube composite membranes of brominated poly(2,6-diphenyl-1,4-phenylene oxide) for gas separation. Journal of Membrane Science, 2007, 294, 178-185.	4.1	223
21	Challenges in design of translational nanocarriers. Journal of Controlled Release, 2012, 164, 156-169.	4.8	220
22	Catalyst separation in atom transfer radical polymerization. Progress in Polymer Science, 2004, 29, 1053-1078.	11.8	219
23	Poly(ionic liquid)s as new materials for CO2 absorption. Journal of Polymer Science Part A, 2005, 43, 5477-5489.	2.5	208
24	Flue-Gas Carbon Capture on Carbonaceous Sorbents:â€‰ Toward a Low-Cost Multifunctional Carbon Filter for â€œGreenâ€•Energy Producers. Industrial & Engineering Chemistry Research, 2008, 47, 3783-3794.	1.8	197
25	Esteraseâ€Activated Chargeâ€Reversal Polymer for Fibroblastâ€Exempt Cancer Gene Therapy. Advanced Materials, 2016, 28, 10613-10622.	11.1	189
26	The Blood Clearance Kinetics and Pathway of Polymeric Micelles in Cancer Drug Delivery. ACS Nano, 2018, 12, 6179-6192.	7.3	186
27	A MnO₂ Nanoparticle-Dotted Hydrogel Promotes Spinal Cord Repair via Regulating Reactive Oxygen Species Microenvironment and Synergizing with Mesenchymal Stem Cells. ACS Nano, 2019, 13, 14283-14293.	7.3	166
28	Anticancer Efficacies of Cisplatin-Releasing pH-Responsive Nanoparticles. Biomacromolecules, 2006, 7, 829-835.	2.6	159
29	Linear-dendritic drug conjugates forming long-circulating nanorods for cancer-drug delivery. Biomaterials, 2013, 34, 5722-5735.	5.7	157
30	Enhanced tumour penetration and prolonged circulation in blood of polyzwitterionâ€“drug conjugates with cell-membrane affinity. Nature Biomedical Engineering, 2021, 5, 1019-1037.	11.6	148
31	Low-pressure CO2 sorption in ammonium-based poly(ionic liquid)s. Polymer, 2005, 46, 12460-12467.	1.8	145
32	Tumor extravasation and infiltration as barriers of nanomedicine for high efficacy: The current status and transcytosis strategy. Biomaterials, 2020, 240, 119902.	5.7	144
33	Atom transfer radical polymerization of styrenic ionic liquid monomers and carbon dioxide absorption of the polymerized ionic liquids. Journal of Polymer Science Part A, 2005, 43, 1432-1443.	2.5	142
34	Highly Active Copper-Based Catalyst for Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2006, 128, 16277-16285.	6.6	139
35	Dual-channel NIR activatable theranostic prodrug for in vivo spatiotemporal tracking thiol-triggered chemotherapy. Chemical Science, 2016, 7, 4958-4965.	3.7	135
36	Poly(ionic liquid)s as Optically Transparent Microwave-Absorbing Materials. Macromolecules, 2008, 41, 493-496.	2.2	134

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37	Enzyme-Triggered Transcytosis of Dendrimerâ€“Drug Conjugate for Deep Penetration into Pancreatic Tumors. ACS Nano, 2020, 14, 4890-4904.	7.3	134
38	Enhanced Stability of Coreâ^'Surface Cross-Linked Micelles Fabricated from Amphiphilic Brush Copolymers. Biomacromolecules, 2004, 5, 1736-1744.	2.6	133
39	NIR-II bioimaging of small organic molecule. Biomaterials, 2021, 271, 120717.	5.7	132
40	Synthesis and Characterization of Comb-Branched Polyelectrolytes. 1. Preparation of Cationic Macromonomer of 2-(Dimethylamino)ethyl Methacrylate by Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 1628-1635.	2.2	130
41	Macromolecular MRI contrast agents: Structures, properties and applications. Progress in Polymer Science, 2013, 38, 462-502.	11.8	130
42	Simultaneous adsorption of heavy metals and organic dyes by Î²-Cyclodextrin-Chitosan based cross-linked adsorbent. Carbohydrate Polymers, 2021, 255, 117486.	5.1	130
43	Nuclear drug delivery for cancer chemotherapy. Journal of Controlled Release, 2011, 155, 227-236.	4.8	125
44	Viral Mimicking Ternary Polyplexes: A Reductionâ€Controlled Hierarchical Unpacking Vector for Gene Delivery. Advanced Materials, 2014, 26, 1534-1540.	11.1	119
45	Atom transfer radical polymerization of ionic liquid 2-(1-butylimidazolium-3-yl)ethyl methacrylate tetrafluoroborate. Journal of Polymer Science Part A, 2004, 42, 5794-5801.	2.5	117
46	Application and design of esterase-responsive nanoparticles for cancer therapy. Drug Delivery, 2019, 26, 416-432.	2.5	117
47	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	3.2	117
48	Ionic Liquid Catalyst for Biphasic Atom Transfer Radical Polymerization of Methyl Methacrylate. Macromolecules, 2005, 38, 5921-5928.	2.2	114
49	Atom Transfer Radical Polymerization of Methyl Methacrylate by Silica Gel Supported Copper Bromide/Multidentate Amine. Macromolecules, 2000, 33, 5427-5431.	2.2	109
50	Conjugate of Pt(IV)â€“Histone Deacetylase Inhibitor as a Prodrug for Cancer Chemotherapy. Molecular Pharmaceutics, 2012, 9, 2793-2800.	2.3	108
51	Isothermal Carbon Dioxide Sorption in Poly(ionic liquid)s. Industrial & Engineering Chemistry Research, 2009, 48, 9113-9118.	1.8	107
52	Facile Synthesis of Polyester Dendrimers from Sequential Click Coupling of Asymmetrical Monomers. Journal of the American Chemical Society, 2009, 131, 14795-14803.	6.6	104
53	Self-assembling doxorubicinprodrug forming nanoparticles for cancer chemotherapy: synthesis and anticancer study in vitro and in vivo. Journal of Materials Chemistry B, 2013, 1, 284-292.	2.9	99
54	Novel SN38 conjugate-forming nanoparticles as anticancer prodrug: In vitro and in vivo studies. Journal of Controlled Release, 2013, 166, 147-158.	4.8	98

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55	Recent advances on protein separation and purification methods. Advances in Colloid and Interface Science, 2020, 284, 102254.	7.0	98
56	Charge-reversal polyamidoamine dendrimer for cascade nuclear drug delivery. Nanomedicine, 2010, 5, 1205-1217.	1.7	97
57	CuBr2/N,N,Nâ€²,Nâ€²-Tetra[(2-pyridal)methyl]ethylenediamine/Tertiary Amine as a Highly Active and Versatile Catalyst for Atom-Transfer Radical Polymerization via Activator Generated by Electron Transfer. Macromolecular Rapid Communications, 2006, 27, 1127-1131.	2.0	90
58	Amphiphilic curcumin conjugate-forming nanoparticles as anticancer prodrug and drug carriers: in vitro and in vivo effects. Nanomedicine, 2010, 5, 855-865.	1.7	89
59	Active Transportation of Liposome Enhances Tumor Accumulation, Penetration, and Therapeutic Efficacy. Small, 2020, 16, e2004172.	5.2	89
60	Molecularly Precise Dendrimerâ€“Drug Conjugates with Tunable Drug Release for Cancer Therapy. Angewandte Chemie - International Edition, 2014, 53, 10949-10955.	7.2	88
61	Magnetic Nanoparticle Supported Catalyst for Atom Transfer Radical Polymerization. Macromolecules, 2006, 39, 6399-6405.	2.2	87
62	Platinum (IV)-coordinate polymers as intracellular reduction-responsive backbone-type conjugates for cancer drug delivery. Biomaterials, 2011, 32, 9136-9143.	5.7	87
63	Synthesis and characterization of highly random copolymer of Îµ-caprolactone andD,L-lactide using rare earth catalyst. Journal of Polymer Science Part A, 1996, 34, 1799-1805.	2.5	86
64	Curcumin Micelles Remodel Tumor Microenvironment and Enhance Vaccine Activity in an Advanced Melanoma Model. Molecular Therapy, 2016, 24, 364-374.	3.7	86
65	Intracellularly Disintegratable Polysulfoniums for Efficient Gene Delivery. Advanced Functional Materials, 2017, 27, 1606826.	7.8	85
66	Biomedical polymers: synthesis, properties, and applications. Science China Chemistry, 2022, 65, 1010-1075.	4.2	85
67	Degradable Poly(Î²-amino ester) nanoparticles for cancer cytoplasmic drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 192-201.	1.7	82
68	Macrophages as Active Nanocarriers for Targeted Early and Adjuvant Cancer Chemotherapy. Small, 2016, 12, 5108-5119.	5.2	82
69	Efficient photocatalytic degradation of toxic Alizarin yellow R dye from industrial wastewater using biosynthesized Fe nanoparticle and study of factors affecting the degradation rate. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111682.	1.7	82
70	Constructing NIR silicaâ€“cyanine hybrid nanocomposite for bioimaging in vivo: a breakthrough in photo-stability and bright fluorescence with large Stokes shift. Chemical Science, 2013, 4, 1221.	3.7	76
71	Versatile Initiators for Macromonomer Syntheses of Acrylates, Methacrylates, and Styrene by Atom Transfer Radical Polymerization. Macromolecules, 2000, 33, 5399-5404.	2.2	75
72	Co-delivery of IOX1 and doxorubicin for antibody-independent cancer chemo-immunotherapy. Nature Communications, 2021, 12, 2425.	5.8	75

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73	A non-cytotoxic dendrimer with innate and potent anticancer and anti-metastatic activities. Nature Biomedical Engineering, 2017, 1, 745-757.	11.6	74
74	Effect of Ligand Spacer on Silica Gel Supported Atom Transfer Radical Polymerization of Methyl Methacrylate. Macromolecules, 2001, 34, 5812-5818.	2.2	73
75	Amphiphilic drugs as surfactants to fabricate excipient-free stable nanodispersions of hydrophobic drugs for cancer chemotherapy. Journal of Controlled Release, 2015, 220, 175-179.	4.8	73
76	Recent Progress in Fluorescence Imaging of the Nearâ€Infraredâ€...II Window. ChemBioChem, 2018, 19, 2522-2541.	1.3	71
77	Recent advances in drug delivery systems for enhancing drug penetration into tumors. Drug Delivery, 2020, 27, 1474-1490.	2.5	71
78	Traditional herbal medicine and nanomedicine: Converging disciplines to improve therapeutic efficacy and human health. Advanced Drug Delivery Reviews, 2021, 178, 113964.	6.6	71
79	Virionâ€Mimicking Nanocapsules from pHâ€Controlled Hierarchical Selfâ€Assembly for Gene Delivery. Angewandte Chemie - International Edition, 2008, 47, 1260-1264.	7.2	70
80	Atom Transfer Radical Polymerization of Methyl Methacrylate Mediated by Copper Bromideâ˜Tetraethyldiethylenetriamine Grafted on Soluble and Recoverable Poly(ethylene-b-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	68
81	Tumorâ€Associated Macrophage and Tumorâ€Cell Dually Transfecting Polyplexes for Efficient Interleukinâ€12 Cancer Gene Therapy. Advanced Materials, 2021, 33, e2006189.	11.1	68
82	Soluble and Recoverable Support for Copper Bromide-Mediated Living Radical Polymerization. Macromolecules, 2001, 34, 3182-3185.	2.2	66
83	Brominated Poly(2,6-diphenyl-1,4-phenylene oxide) and Its Silica Nanocomposite Membranes for Gas Separation. Industrial & Engineering Chemistry Research, 2007, 46, 2567-2575.	1.8	65
84	Redox-Activated Light-Up Nanomicelle for Precise Imaging-Guided Cancer Therapy and Real-Time Pharmacokinetic Monitoring. ACS Nano, 2016, 10, 11385-11396.	7.3	65
85	Progress and perspective of microneedle system for anti-cancer drug delivery. Biomaterials, 2021, 264, 120410.	5.7	65
86	Degradable Dual pHâ€and Temperatureâ€Responsive Photoluminescent Dendrimers. Chemistry - A European Journal, 2011, 17, 5319-5326.	1.7	63
87	The Intracellular and Extracellular Microenvironment of Tumor Site: The Trigger of Stimuliâ€Responsive Drug Delivery Systems. Small Methods, 2022, 6, e2101437.	4.6	63
88	Mucus Penetrating and Cellâ€Binding Polyzwitterionic Micelles as Potent Oral Nanomedicine for Cancer Drug Delivery. Advanced Materials, 2022, 34, e2109189.	11.1	63
89	Magnetic suspension balance study of carbon dioxide solubility in ammonium-based polymerized ionic liquids: Poly(p-vinylbenzyltrimethyl ammonium tetrafluoroborate) and poly([2-(methacryloyloxy)ethyl] trimethyl ammonium tetrafluoroborate). Fluid Phase Equilibria, 2007, 256, 75-80.	1.4	62
90	pH-Responsive Nanoparticles for Cancer Drug Delivery. Methods in Molecular Biology, 2008, 437, 183-216.	0.4	61

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91	Investigation of rare earth upconversion fluorescent nanoparticles in biomedical field. Nanotechnology Reviews, 2019, 8, 1-17.	2.6	61
92	Enzyme-Responsive Charge-Reversal Polymer-Mediated Effective Gene Therapy for Intraperitoneal Tumors. Biomacromolecules, 2018, 19, 2308-2319.	2.6	60
93	Continuous atom transfer radical block copolymerization of methacrylates. AICHE Journal, 2002, 48, 2609-2619.	1.8	58
94	Functional and biodegradable dendritic macromolecules with controlled architectures as nontoxic and efficient nanoscale gene vectors. Biotechnology Advances, 2014, 32, 818-830.	6.0	58
95	Biocompatible Cyclodextrin-Based Metalâ€“Organic Frameworks for Long-Term Sustained Release of Fragrances. Industrial & Engineering Chemistry Research, 2019, 58, 19767-19777.	1.8	58
96	Logical design and application of prodrug platforms. Polymer Chemistry, 2019, 10, 306-324.	1.9	58
97	Reversible Catalyst Supporting via Hydrogen-Bonding-Mediated Self-Assembly for Atom Transfer Radical Polymerization of MMA. Macromolecules, 2004, 37, 1728-1734.	2.2	57
98	Targeting death receptors for drug-resistant cancer therapy: Codelivery of pTRAIL and monensin using dual-targeting and stimuli-responsive self-assembling nanocomposites. Biomaterials, 2018, 158, 56-73.	5.7	57
99	Polylactide-tethered prodrugs in polymeric nanoparticles as reliable nanomedicines for the efficient eradication of patient-derived hepatocellular carcinoma. Theranostics, 2018, 8, 3949-3963.	4.6	57
100	Environmentally friendly fabrication of new Î²-Cyclodextrin/ZrO2 nanocomposite for simultaneous removal of Pb(II) and BPA from water. Science of the Total Environment, 2021, 784, 147207.	3.9	57
101	Carbon Dioxide Solubility in Polymerized Ionic Liquids Containing Ammonium and Imidazolium Cations from Magnetic Suspension Balance:â€‰ P[VBTMA][BF4] and P[VBMI][BF4]. Industrial & Engineering Chemistry Research, 2007, 46, 5542-5547.	1.8	56
102	Reactive oxygen species (ROS)-responsive nanomedicine for RNAi-based cancer therapy. Nanoscale, 2018, 10, 203-214.	2.8	55
103	Self-assembly of oxidation-responsive polyethylene glycol-paclitaxel prodrug for cancer chemotherapy. Journal of Controlled Release, 2020, 321, 529-539.	4.8	55
104	CelluMOFs: Green, Facile, and Flexible Metalâ€Organic Frameworks for Versatile Applications. Advanced Functional Materials, 2021, 31, 2105395.	7.8	54
105	Linear polyethyleneimine-based charge-reversal nanoparticles for nuclear-targeted drug delivery. Journal of Materials Chemistry, 2011, 21, 19114.	6.7	53
106	Terminating the criminal collaboration in pancreatic cancer: Nanoparticle-based synergistic therapy for overcoming fibroblast-induced drug resistance. Biomaterials, 2017, 144, 105-118.	5.7	53
107	Targeted Coâ€delivery of PTX and TR3 siRNA by PTP Peptide Modified Dendrimer for the Treatment of Pancreatic Cancer. Small, 2017, 13, 1602697.	5.2	52
108	Controlled synthesis of Fe₃O₄@ZIF-8 nanoparticles for drug delivery. CrystEngComm, 2018, 20, 7486-7491.	1.3	51

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109	Atom transfer radical polymerization and copolymerization of vinyl acetate catalyzed by copper halide/terpyridine. AICHE Journal, 2009, 55, 737-746.	1.8	50
110	Detailed investigation on how the protein corona modulates the physicochemical properties and gene delivery of polyethylenimine (PEI) polyplexes. Biomaterials Science, 2018, 6, 1800-1817.	2.6	50
111	Zinc phthalocyanine encapsulated in polymer micelles as a potent photosensitizer for the photodynamic therapy of osteosarcoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1099-1110.	1.7	50
112	Facile synthesis of semi-library of low charge density cationic polyesters from poly(alkylene maleate)s for efficient local gene delivery. Biomaterials, 2018, 178, 559-569.	5.7	50
113	Atom transfer radical polymerization of methyl methacrylate via reversibly supported catalysts on silica gel via self-assembly. Journal of Polymer Science Part A, 2004, 42, 22-30.	2.5	48
114	Tertiary Amine â€" Enhanced Activity of ATRP Catalysts CuBr/TPMA and CuBr/Me₆TREN. Macromolecular Rapid Communications, 2008, 29, 1834-1838.	2.0	48
115	A multifunctional PEGâ€"PLL drug conjugate forming redox-responsive nanoparticles for intracellular drug delivery. Journal of Materials Chemistry B, 2015, 3, 7594-7603.	2.9	48
116	Poly-tetrahydropyrimidine Antibacterial Hydrogel with Injectability and Self-Healing Ability for Curing the Purulent Subcutaneous Infection. ACS Applied Materials & Interfaces, 2020, 12, 50236-50247.	4.0	48
117	A degradable triple temperatureâ€, pHâ€, and redoxâ€responsive drug system for cancer chemotherapy. Journal of Biomedical Materials Research - Part A, 2018, 106, 3203-3210.	2.1	46
118	Tuning the Brightness and Photostability of Organic Dots for Multivalent Targeted Cancer Imaging and Surgery. ACS Nano, 2020, 14, 5887-5900.	7.3	46
119	Ring Opening Polymerization of Îµ-Caprolactone by Rare Earth Alkoxideâ€"CCl4 Systems. Polymer Journal, 1995, 27, 59-64.	1.3	45
120	Nanocomposite Membranes for CO2 Separations:â€‰ Silica/Brominated Poly(phenylene oxide). Industrial & Engineering Chemistry Research, 2007, 46, 1547-1551.	1.8	45
121	Integration of Polymerization and Biomineralization as a Strategy to Facilely Synthesize Nanotheranostic Agents. ACS Nano, 2018, 12, 12682-12691.	7.3	45
122	Assemblies of Peptideâ€Cytotoxin Conjugates for Tumorâ€Homing Chemotherapy. Advanced Functional Materials, 2019, 29, 1807446.	7.8	44
123	Anisotropic electroactive elastomer for highly maneuverable soft robotics. Nanoscale, 2020, 12, 7514-7521.	2.8	44
124	Rapidly and Repeatedly Reprogrammable Liquid Crystalline Elastomer via a Shape Memory Mechanism. Advanced Materials, 2022, 34, e2201679.	11.1	44
125	Redoxâ€Activatable ATPâ€Depleting Micelles with Dual Modulation Characteristics for Multidrugâ€Resistant Cancer Therapy. Advanced Healthcare Materials, 2017, 6, 1601293.	3.9	43
126	Paraptosisâ€Inducing Nanomedicine Overcomes Cancer Drug Resistance for a Potent Cancer Therapy. Small, 2018, 14, 1702446.	5.2	43

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127	Facile synthesis of noncytotoxic PEGylated dendrimer encapsulated silver sulfide quantum dots for NIR-II biological imaging. Nanoscale, 2020, 12, 5678-5684.	2.8	43
128	Random copolymerization of ?-caprolactone and trimethylene carbonate with rare earth catalysts. Journal of Applied Polymer Science, 1997, 64, 2131-2139.	1.3	41
129	Celastrol nanoemulsion induces immunogenicity and downregulates PD-L1 to boost abscopal effect in melanoma therapy. Biomaterials, 2021, 269, 120604.	5.7	41
130	Regulation of biodegradability and drug release behavior of aliphatic polyesters by blending. Journal of Biomedical Materials Research Part B, 2000, 50, 528-535.	3.0	40
131	Albumin-Stabilized Metalâ€“Organic Nanoparticles for Effective Delivery of Metal Complex Anticancer Drugs. ACS Applied Materials & Interfaces, 2018, 10, 34974-34982.	4.0	40
132	Recent advantage of hyaluronic acid for anti-cancer application: a review of â€œ3Sâ€• transition approach. Carbohydrate Polymers, 2020, 238, 116204.	5.1	40
133	Ultrasonic Cavitationâ€Assisted and Acidâ€Activated Transcytosis of Liposomes for Universal Active Tumor Penetration. Advanced Functional Materials, 2021, 31, 2102786.	7.8	40
134	SERS detection of microRNA biomarkers for cancer diagnosis using gold-coated paramagnetic nanoparticles to capture SERS-active gold nanoparticles. RSC Advances, 2017, 7, 52782-52793.	1.7	39
135	Solid lipid nanoparticles as carriers for oral delivery of hydroxysafflor yellow A. International Journal of Pharmaceutics, 2018, 535, 164-171.	2.6	39
136	Encapsulation and controlled release of fragrances from functionalized porous metalâ€“organic frameworks. AICHE Journal, 2019, 65, 491-499.	1.8	39
137	Dâ€“A polymers for fluorescence/photoacoustic imaging and characterization of their photothermal properties. Journal of Materials Chemistry B, 2019, 7, 6576-6584.	2.9	38
138	Assemblies of indocyanine green and chemotherapeutic drug to cure established tumors by synergistic chemo-photo therapy. Journal of Controlled Release, 2020, 324, 250-259.	4.8	38
139	Synthesis and evaluation of a paclitaxel-binding polymeric micelle for efficient breast cancer therapy. Science China Life Sciences, 2018, 61, 436-447.	2.3	37
140	Reactive Oxygen Species (ROS)-Responsive Charge-Switchable Nanocarriers for Gene Therapy of Metastatic Cancer. ACS Applied Materials & Interfaces, 2018, 10, 43352-43362.	4.0	37
141	Synthesis of Degradable Functional Poly(ethylene glycol) Analogs as Versatile Drug Delivery Carriers. Macromolecular Bioscience, 2007, 7, 1187-1198.	2.1	36
142	ZnO Quantum Dots Modified by pH-Activated Charge-Reversal Polymer for Tumor Targeted Drug Delivery. Polymers, 2018, 10, 1272.	2.0	36
143	Multipotent Poly(Tertiary Amineâ€Oxide) Micelles for Efficient Cancer Drug Delivery. Advanced Science, 2022, 9, e2200173.	5.6	36
144	Hypoxia-targeting dendritic MRI contrast agent based on internally hydroxy dendrimer for tumor imaging. Biomaterials, 2019, 213, 119195.	5.7	34

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145	Conjugatedâ€Polymerâ€Based Nanoparticles with Efficient NIRâ€II Fluorescent, Photoacoustic and Photothermal Performance. ChemBioChem, 2019, 20, 2793-2799.	1.3	33
146	Preparation of monodisperse porous polymeric ionic liquid microspheres and their application as stationary phases for HPLC. Talanta, 2020, 208, 120462.	2.9	33
147	A comparison of polymerization characteristics and mechanisms of ?-caprolactone and trimethylene-carbonate with rare earth halides. Journal of Polymer Science Part A, 1997, 35, 1339-1352.	2.5	32
148	Facile synthesis and in vivo evaluation of biodegradable dendritic MRI contrast agents. Journal of Materials Chemistry, 2012, 22, 14369.	6.7	32
149	Jellyfish-Shaped Amphiphilic Dendrimers: Synthesis and Formation of Extremely Uniform Aggregates. Macromolecules, 2014, 47, 916-921.	2.2	32
150	Acidity-responsive shell-sheddable camptothecin-based nanofibers for carrier-free cancer drug delivery. Nanoscale, 2019, 11, 15907-15916.	2.8	32
151	Preparation of porous sulfonated poly(styrene-divinylbenzene) microspheres and its application in hydrophilic and chiral separation. Talanta, 2020, 210, 120586.	2.9	32
152	Albumin-binding prodrugs via reversible iminoboronate forming nanoparticles for cancer drug delivery. Journal of Controlled Release, 2021, 330, 362-371.	4.8	31
153	New path to treating pancreatic cancer: TRAIL gene delivery targeting the fibroblast-enriched tumor microenvironment. Journal of Controlled Release, 2018, 286, 254-263.	4.8	30
154	Selfâ€Activated Cascadeâ€Responsive Sorafenib and USP22 shRNA Coâ€Delivery System for Synergetic Hepatocellular Carcinoma Therapy. Advanced Science, 2021, 8, 2003042.	5.6	30
155	Microfluidics for Cancer Nanomedicine: From Fabrication to Evaluation. Small, 2018, 14, e1800360.	5.2	29
156	Organic Semiconductors for Photothermal Therapy and Photoacoustic Imaging. ChemBioChem, 2019, 20, 1628-1636.	1.3	29
157	Copper as the Target for Anticancer Nanomedicine. Advanced Therapeutics, 2019, 2, 1800147.	1.6	29
158	Glutathione-Responsive Magnetic Nanoparticles for Highly Sensitive Diagnosis of Liver Metastases. Nano Letters, 2021, 21, 2199-2206.	4.5	29
159	Nanomedicine from amphiphilized prodrugs: Concept and clinical translation. Advanced Drug Delivery Reviews, 2021, 179, 114027.	6.6	29
160	Synthesis of polyacrylonitrile/polytetrahydropyrimidine (PAN/PTHP) nanofibers with enhanced antibacterial and anti-viral activities for personal protective equipment. Journal of Hazardous Materials, 2022, 424, 127602.	6.5	29
161	Stabilized calcium phosphate hybrid nanocomposite using a benzoxaborole-containing polymer for pH-responsive siRNA delivery. Biomaterials Science, 2018, 6, 3178-3188.	2.6	28
162	Preparation and biomedical application of injectable hydrogels. Materials Chemistry Frontiers, 2021, 5, 4912-4936.	3.2	28

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163	A mannosylated PEIâ€“CPP hybrid for TRAIL gene targeting delivery for colorectal cancer therapy. Polymer Chemistry, 2017, 8, 5275-5285.	1.9	27
164	A neutral water-soluble mitochondria-targeting polymer. Chemical Communications, 2019, 55, 10015-10018.	2.2	27
165	Co-delivery of chemotherapeutic drugs and cell cycle regulatory agents using nanocarriers for cancer therapy. Science China Materials, 2021, 64, 1827-1848.	3.5	27
166	From mouse to mouseâ€€ear cress: Nanomaterials as vehicles in plant biotechnology. Exploration, 2021, 1, 9-20.	5.4	27
167	GDC-0449 improves the antitumor activity of nano-doxorubicin in pancreatic cancer in a fibroblast-enriched microenvironment. Scientific Reports, 2017, 7, 13379.	1.6	26
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