Karen L Wooley

List of Publications by Year
in descending order

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360 papers	32,181 citations	2797 94 h-index	5384 164 g-index
381 all docs	381 docs citations	381 times ranked	22652 citing authors

#	Article	IF	Citations
1	Design of polymeric nanoparticles for biomedical delivery applications. Chemical Society Reviews, 2012, 41, 2545.	18.7	1,441
2	Applications of Orthogonal â€œClickâ€•Chemistries in the Synthesis of Functional Soft Materials. Chemical Reviews, 2009, 109, 5620-5686.	23.0	1,366
3	The Convergence of Synthetic Organic and Polymer Chemistries. Science, 2005, 309, 1200-1205.	6.0	1,239
4	Block Copolymer Assembly via Kinetic Control. Science, 2007, 317, 647-650.	6.0	969
5	Cross-linked block copolymer micelles: functional nanostructures of great potential and versatility. Chemical Society Reviews, 2006, 35, 1068.	18.7	868
6	Toroidal Triblock Copolymer Assemblies. Science, 2004, 306, 94-97.	6.0	740
7	Nanocages Derived from Shell Cross-Linked Micelle Templates. Journal of the American Chemical Society, 1999, 121, 3805-3806.	6.6	598
8	Unique behavior of dendritic macromolecules: intrinsic viscosity of polyether dendrimers. Macromolecules, 1992, 25, 2401-2406.	2.2	541
9	Water-Soluble Knedel-like Structures:Â The Preparation of Shell-Cross-Linked Small Particles. Journal of the American Chemical Society, 1996, 118, 7239-7240.	6.6	516
10	Unimolecular micelles and globular amphiphiles: dendritic macromolecules as novel recyclable solubilization agents. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1287-1297.	0.9	463
11	The Antifouling and Fouling-Release Perfomance of Hyperbranched Fluoropolymer (HBFP)â˜Poly(ethylene glycol) (PEG) Composite Coatings Evaluated by Adsorption of Biomacromolecules and the Green Fouling AlgaUlva. Langmuir, 2005, 21, 3044-3053.	1.6	437
12	Polymeric Nanostructures for Imaging and Therapy. Chemical Reviews, 2015, 115, 10967-11011.	23.0	420
13	Shell Cross-Linked Nanoparticles Containing Hydrolytically Degradable, Crystalline Core Domains. Journal of the American Chemical Society, 2000, 122, 3642-3651.	6.6	406
14	Hyperbranched macromolecules via a novel double-stage convergent growth approach. Journal of the American Chemical Society, 1991, 113, 4252-4261.	6.6	372
15	Shell Cross-Linked Knedels:Â A Synthetic Study of the Factors Affecting the Dimensions and Properties of Amphiphilic Core-Shell Nanospheres. Journal of the American Chemical Society, 1997, 119, 6656-6665.	6.6	364
16	Cytokines as biomarkers of nanoparticle immunotoxicity. Chemical Society Reviews, 2013, 42, 5552.	18.7	326
17	Shell Click-Crosslinked (SCC) Nanoparticles:Â A New Methodology for Synthesis and Orthogonal Functionalization. Journal of the American Chemical Society, 2005, 127, 16892-16899.	6.6	314
18	Physical properties of dendritic macromolecules: a study of glass transition temperature. Macromolecules, 1993, 26, 1514-1519.	2.2	295

#	Article	IF	Citations
19	Functionalization of Micelles and Shell Cross-linked Nanoparticles Using Click Chemistry. Chemistry of Materials, 2005, 17, 5976-5988.	3.2	246
20	Hydrogel-Coated Glassy Nanospheres:Â A Novel Method for the Synthesis of Shell Cross-Linked Knedels. Journal of the American Chemical Society, 1997, 119, 11653-11659.	6.6	245
21	Dendrimers Clicked Together Divergently. Macromolecules, 2005, 38, 5436-5443.	2.2	240
22	Facile syntheses of surface-functionalized micelles and shell cross-linked nanoparticles. Journal of Polymer Science Part A, 2006, 44, 5203-5217.	2.5	238
23	Solvatochromism as a probe of the microenvironment in dendritic polyethers: transition from an extended to a globular structure. Journal of the American Chemical Society, 1993, 115, 4375-4376.	6.6	232
24	Shell crosslinked polymer assemblies: Nanoscale constructs inspired from biological systems. , 2000, 38, 1397-1407.		228
25	Molecular Ball Bearings: The Unusual Melt Viscosity Behavior of Dendritic Macromolecules. Journal of the American Chemical Society, 1995, 117, 4409-4410.	6.6	226
26	Novel Polyether Copolymers Consisting of Linear and Dendritic Blocks. Angewandte Chemie International Edition in English, 1992, 31, 1200-1202.	4.4	221
27	Influence of shape on the reactivity and properties of dendritic, hyperbranched and linear aromatic polyesters. Polymer, 1994, 35, 4489-4495.	1.8	217
28	An Assessment of the Effects of Shell Cross-Linked Nanoparticle Size, Core Composition, and Surface PEGylation on in Vivo Biodistribution. Biomacromolecules, 2005, 6, 2541-2554.	2.6	215
29	The preparation oft-butyl acrylate, methyl acrylate, and styrene block copolymers by atom transfer radical polymerization: Precursors to amphiphilic and hydrophilic block copolymers and conversion to complex nanostructured materials. Journal of Polymer Science Part A, 2000, 38, 4805-4820.	2.5	212
30	Tandem Synthesis of Coreâ"Shell Brush Copolymers and Their Transformation to Peripherally Cross-Linked and Hollowed Nanostructures. Journal of the American Chemical Society, 2006, 128, 6808-6809.	6.6	209
31	Hyperbranched fluoropolymer and linear poly(ethylene glycol) based amphiphilic crosslinked networks as efficient antifouling coatings: An insight into the surface compositions, topographies, and morphologies. Journal of Polymer Science Part A, 2004, 42, 6193-6208.	2.5	206
32	Polypeptide organic radical batteries. Nature, 2021, 593, 61-66.	13.7	195
33	Fullerene-bound dendrimers: soluble, isolated carbon clusters. Journal of the American Chemical Society, 1993, 115, 9836-9837.	6.6	189
34	Determination of the Bioavailability of Biotin Conjugated onto Shell Cross-Linked (SCK) Nanoparticles. Journal of the American Chemical Society, 2004, 126, 6599-6607.	6.6	180
35	Shape Effects of Nanoparticles Conjugated with Cell-Penetrating Peptides (HIV Tat PTD) on CHO Cell Uptake. Bioconjugate Chemistry, 2008, 19, 1880-1887.	1.8	180
36	Improving Paclitaxel Delivery: In Vitro and In Vivo Characterization of PEGylated Polyphosphoester-Based Nanocarriers. Journal of the American Chemical Society, 2015, 137, 2056-2066.	6.6	176

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37	Triple-Shape Memory Polymers Based on Self-Complementary Hydrogen Bonding. Macromolecules, 2012, 45, 1062-1069.	2.2	175
38	Synthesis and properties of novel linear-dendritic block copolymers. Reactivity of dendritic macromolecules toward linear polymers. Macromolecules, 1993, 26, 5621-5627.	2.2	171
39	Dynamic Cylindrical Assembly of Triblock Copolymers by a Hierarchical Process of Covalent and Supramolecular Interactions. Journal of the American Chemical Society, 2011, 133, 1228-1231.	6.6	168
40	Folic acid-conjugated nanostructured materials designed for cancer cell targetingElectronic supplementary information (ESI) available: experimental details; selected plots and spectra. See http://www.rsc.org/suppdata/cc/b3/b307878g/. Chemical Communications, 2003, , 2400.	2.2	167
41	Facile Preparation of Nanoparticles by Intramolecular Cross-Linking of Isocyanate Functionalized Copolymers. Macromolecules, 2009, 42, 5629-5635.	2.2	166
42	Rapid and Versatile Construction of Diverse and Functional Nanostructures Derived from a Polyphosphoester-Based Biomimetic Block Copolymer System. Journal of the American Chemical Society, 2012, 134, 18467-18474.	6.6	165
43	Helix self-assembly through the coiling of cylindrical micelles. Soft Matter, 2008, 4, 90-93.	1.2	163
44	Fabrication of Hybrid Nanocapsules by Calcium Phosphate Mineralization of Shell Cross-Linked Polymer Micelles and Nanocages. Nano Letters, 2005, 5, 1457-1461.	4.5	151
45	Nanostructured Materials Designed for Cell Binding and Transduction. Biomacromolecules, 2001, 2, 362-368.	2.6	149
46	Synthesis and Characterization of Coreâ€“Shell Star Copolymers for In Vivo PET Imaging Applications. Biomacromolecules, 2008, 9, 1329-1339.	2.6	147
47	Research in Macromolecular Science: Challenges and Opportunities for the Next Decade. Macromolecules, 2009, 42, 465-471.	2.2	145
48	Unsymmetrical three-dimensional macromolecules: preparation and characterization of strongly dipolar dendritic macromolecules. Journal of the American Chemical Society, 1993, 115, 11496-11505.	6.6	144
49	Synthesis of Hetero-Grafted Amphiphilic Diblock Molecular Brushes and Their Self-Assembly in Aqueous Medium. Macromolecules, 2010, 43, 1182-1184.	2.2	144
50	Functionalized Micellar Assemblies Prepared via Block Copolymers Synthesized by Living Free Radical Polymerization upon Peptide-Loaded Resins. Biomacromolecules, 2005, 6, 220-228.	2.6	143
51	Fluorogenic 1,3-Dipolar Cycloaddition within the Hydrophobic Core of a Shell Cross-Linked Nanoparticle. Chemistry - A European Journal, 2006, 12, 6776-6786.	1.7	142
52	Absorbable hemostatic hydrogels comprising composites of sacrificial templates and honeycomb-like nanofibrous mats of chitosan. Nature Communications, 2019, 10, 2307.	5.8	141
53	Unique Toroidal Morphology from Composition and Sequence Control of Triblock Copolymers. Journal of the American Chemical Society, 2005, 127, 8592-8593.	6.6	140
54	Facile Synthesis of Clickable, Water-Soluble, and Degradable Polyphosphoesters. ACS Macro Letters, 2012, 1, 328-333.	2.3	140

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55	Shapes of Dendrimers from Rotational-Echo Double-Resonance NMR. Journal of the American Chemical Society, 1997, 119, 53-58.	6.6	139
56	Peptide-polymer bioconjugates: hybrid block copolymers generated via living radical polymerizations from resin-supported peptides. Chemical Communications, 2003, , 180-181.	2.2	139
57	One-Step Synthesis of Hyperbranched Polyesters. Molecular Weight Control and Chain End Functionalization. Polymer Journal, 1994, 26, 187-197.	1.3	138
58	The Advantages of Nanoparticles for PET. Journal of Nuclear Medicine, 2009, 50, 1743-1746.	2.8	138
59	The Importance of Chemistry in Creating Well-Defined Nanoscopic Embedded Therapeutics: Devices Capable of the Dual Functions of Imaging and Therapy. Accounts of Chemical Research, 2011, 44, 969-978.	7.6	135
60	Facile syntheses of cylindrical molecular brushes by a sequential RAFT and ROMP â€œgraftingâ€•throughâ€• methodology. Journal of Polymer Science Part A, 2009, 47, 5557-5563.	2.5	133
61	Disk-cylinder and disk-sphere nanoparticles via a block copolymer blend solution construction. Nature Communications, 2013, 4, 2297.	5.8	132
62	A â€œBranched-Monomer Approachâ€•for the Rapid Synthesis of Dendimers. Angewandte Chemie International Edition in English, 1994, 33, 82-85.	4.4	129
63	Poly(ethylene oxide)â€blockâ€Polyphosphoesterâ€graftâ€Paclitaxel Conjugates with Acidâ€Labile Linkages as a pHâ€Sensitive and Functional Nanoscopic Platform for Paclitaxel Delivery. Advanced Healthcare Materials, 2014, 3, 441-448.	3.9	129
64	Copperâ€64â€Alloyed Gold Nanoparticles for Cancer Imaging: Improved Radiolabel Stability and Diagnostic Accuracy. Angewandte Chemie - International Edition, 2014, 53, 156-159.	7.2	129
65	Monomer design strategies to create natural product-based polymer materials. Natural Product Reports, 2017, 34, 433-459.	5.2	128
66	64Cu-labeled folate-conjugated shell cross-linked nanoparticles for tumor imaging and radiotherapy: synthesis, radiolabeling, and biologic evaluation. Journal of Nuclear Medicine, 2005, 46, 1210-8.	2.8	128
67	Structural Effects on the Biodistribution and Positron Emission Tomography (PET) Imaging of Well-Defined ⁶⁴Cu-Labeled Nanoparticles Comprised of Amphiphilic Block Graft Copolymers. Biomacromolecules, 2007, 8, 3126-3134.	2.6	125
68	Shell-crosslinked nanostructures from amphiphilic AB and ABA block copolymers of styrene-alt-(maleic anhydride) and styrene: polymerization, assembly and stabilization in one pot. Chemical Communications, 2005, , 3259.	2.2	122
69	Facile One-Pot Synthesis of Brush Polymers through Tandem Catalysis Using Grubbs' Catalyst for Both Ring-Opening Metathesis and Atom Transfer Radical Polymerizations. Nano Letters, 2006, 6, 1741-1746.	4.5	121
70	Robust Magnetic/Polymer Hybrid Nanoparticles Designed for Crude Oil Entrapment and Recovery in Aqueous Environments. ACS Nano, 2013, 7, 7552-7561.	7.3	121
71	Polymers with controlled molecular architecture: control of surface functionality in the synthesis of dendritic hyperbranched macromolecules using the convergent approach. Journal of the Chemical Society Perkin Transactions 1, 1991, , 1059-1076.	0.9	117
72	Degradability of Poly(Lactic Acid)-Containing Nanoparticles: Enzymatic Access through a Cross-Linked Shell Barrier. Journal of the American Chemical Society, 2012, 134, 1235-1242.	6.6	117

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73	Polycarbonates Derived from Glucose via an Organocatalytic Approach. Journal of the American Chemical Society, 2013, 135, 6826-6829.	6.6	117
74	Poly(ethylene oxide)-block-polyphosphester-based paclitaxel conjugates as a platform for ultra-high paclitaxel-loaded multifunctional nanoparticles. Chemical Science, 2013, 4, 2122.	3.7	116
75	Amphiphilic and hydrophobic surface patterns generated from hyperbranched fluoropolymer/linear polymer networks: Minimally adhesive coatings via the crosslinking of hyperbranched fluoropolymers. Journal of Polymer Science Part A, 2003, 41, 3531-3540.	2.5	112
76	Disk Morphology and Disk-to-Cylinder Tunability of Poly(Acrylic Acid)-b-Poly(Methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Acryla	1.6	112
77	Amphiphilic Hyperbranched Fluoropolymers as Nanoscopic ¹⁹F Magnetic Resonance Imaging Agent Assemblies. Biomacromolecules, 2008, 9, 2826-2833.	2.6	111
78	Neutron Reflectivity and Structure of Polyether Dendrimers as Langmuir Films. The Journal of Physical Chemistry, 1995, 99, 8283-8289.	2.9	109
79	Synthesis, Characterization, and Bioavailability of Mannosylated Shell Cross-Linked Nanoparticles. Biomacromolecules, 2004, 5, 903-913.	2.6	108
80	Nanoparticles with Tunable Internal Structure from Triblock Copolymers of PAA-b-PMA-b-PS. Nano Letters, 2008, 8, 2023-2026.	4.5	108
81	Comb Polymers Prepared by ATRP from Hydroxypropyl Cellulose. Biomacromolecules, 2007, 8, 1138-1148.	2.6	104
82	Nanoscopic Cylindrical Dual Concentric and Lengthwise Block Brush Terpolymers as Covalent Preassembled High-Resolution and High-Sensitivity Negative-Tone Photoresist Materials. Journal of the American Chemical Society, 2013, 135, 4203-4206.	6.6	104
83	Well-Defined Carbon Nanoparticles Prepared from Water-Soluble Shell Cross-linked Micelles that Contain Polyacrylonitrile Cores. Angewandte Chemie - International Edition, 2004, 43, 2783-2787.	7.2	103
84	A Facile Glovebox-Free Strategy To Significantly Accelerate the Syntheses of Well-Defined Polypeptides by N-Carboxyanhydride (NCA) Ring-Opening Polymerizations. Macromolecules, 2013, 46, 4223-4226.	2.2	103
85	Origins of toroidal micelle formation through charged triblock copolymer self-assembly. Soft Matter, 2009, 5, 1269-1278.	1.2	102
86	Dendritic fullerenes; a new approach to polymer modification of C60. Journal of the Chemical Society Chemical Communications, 1994, , 925-926.	2.0	101
87	Synthesis and Characterization of Hyperbranched Polycarbonates. Macromolecules, 1997, 30, 1890-1896.	2.2	100
88	Synthesis, Characterization, and Derivatization of Hyperbranched Polyfluorinated Polymers. Macromolecules, 1998, 31, 776-786.	2.2	99
89	Controlling Micellar Structure of Amphiphilic Charged Triblock Copolymers in Dilute Solution via Coassembly with Organic Counterions of Different Spacer Lengths. Macromolecules, 2006, 39, 6599-6607.	2.2	99
90	One-Pot Tandem Synthesis of a Coreâ^'Shell Brush Copolymer from Small Molecule Reactants by Ring-Opening Metathesis and Reversible Additionâ^'Fragmentation Chain Transfer (Co)polymerizations. Macromolecules, 2007, 40, 2289-2292.	2.2	99

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91	pH-Responsive Shell Cross-Linked Nanoparticles with Hydrolytically Labile Cross-Links. Macromolecules, 2008, 41, 6605-6607.	2.2	99
92	Amphiphilic coreâ€“shell nanospheres obtained by intramicellar shell crosslinking of polymer micelles with poly(ethylene oxide) linkers. Chemical Communications, 1998, , 1415-1416.	2.2	98
93	Cyclization in Hyperbranched Polymer Syntheses:Â Characterization by MALDI-TOF Mass Spectrometry. Journal of the American Chemical Society, 1998, 120, 10180-10186.	6.6	98
94	Synthesis and In Vivo Pharmacokinetic Evaluation of Degradable Shell Cross-Linked Polymer Nanoparticles with Poly(carboxybetaine) versus Poly(ethylene glycol) Surface-Grafted Coatings. ACS Nano, 2012, 6, 8970-8982.	7.3	98
95	Complex Amphiphilic Hyperbranched Fluoropolymers by Atom Transfer Radical Self-Condensing Vinyl (Co)polymerization. Macromolecules, 2007, 40, 4509-4515.	2.2	96
96	A Genetically Encoded Acrylamide Functionality. ACS Chemical Biology, 2013, 8, 1664-1670.	1.6	94
97	Chemical Design of Both a Glutathione-Sensitive Dimeric Drug Guest and a Glucose-Derived Nanocarrier Host to Achieve Enhanced Osteosarcoma Lung Metastatic Anticancer Selectivity. Journal of the American Chemical Society, 2018, 140, 1438-1446.	6.6	94
98	Two-Dimensional, Shell-Cross-linked Nanoparticle Arrays. Journal of the American Chemical Society, 2001, 123, 4627-4628.	6.6	90
99	Chemically induced supramolecular reorganization of triblock copolymer assemblies: Trapping of intermediate states via a shell-crosslinking methodology. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5058-5063.	3.3	89
100	Facile, Efficient Approach to Accomplish Tunable Chemistries and Variable Biodistributions for Shell Cross-Linked Nanoparticles. Biomacromolecules, 2008, 9, 1997-2006.	2.6	88
101	Preparation and in Vitro Antimicrobial Activity of Silver-Bearing Degradable Polymeric Nanoparticles of Polyphosphoester-block-Poly(<scp>l</scp>-lactide). ACS Nano, 2015, 9, 1995-2008.	7.3	84
102	Polymeric nanoparticles in development for treatment of pulmonary infectious diseases. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 842-871.	3.3	84
103	Preparation of orthogonally-functionalized core Click cross-linked nanoparticles. New Journal of Chemistry, 2007, 31, 718-724.	1.4	83
104	Well-Defined Polymers Bearing Pendent Alkene Functionalities via Selective RAFT Polymerization. Macromolecules, 2008, 41, 9080-9089.	2.2	83
105	Strategies toward wellâ€defined polymer nanoparticles inspired by nature: Chemistry versus versatility. Journal of Polymer Science Part A, 2012, 50, 1869-1880.	2.5	83
106	Reversible Addition Fragmentation Chain Transfer Polymerization of 4-Vinylbenzaldehyde. Macromolecules, 2007, 40, 793-795.	2.2	79
107	¹⁹F- and Fluorescently Labeled Micelles as Nanoscopic Assemblies for Chemotherapeutic Delivery. Bioconjugate Chemistry, 2008, 19, 2492-2498.	1.8	79
108	Isoprene polymerization via reversible addition fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2007, 45, 4100-4108.	2.5	77

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109	A Simple and Efficient Synthesis of an Acid-Labile Polyphosphoramidate by Organobase-Catalyzed Ring-Opening Polymerization and Transformation to Polyphosphoester Ionomers by Acid Treatment. Macromolecules, 2013, 46, 5141-5149.	2.2	77
110	Dendrimer and polystyrene surfactant structure at the air-water interface. The Journal of Physical Chemistry, 1993, 97, 293-294.	2.9	76
111	Environmentally-Responsive, Entirely Hydrophilic, Shell Cross-linked (SCK) Nanoparticles. Nano Letters, 2001, 1, 651-655.	4.5	76
112	Multicompartment Polymer Nanostructures with Ratiometric Dual-Emission pH-Sensitivity. Journal of the American Chemical Society, 2011, 133, 8534-8543.	6.6	76
113	Shell cross-linked polymer micelles: stabilized assemblies with great versatility and potential. Colloids and Surfaces B: Biointerfaces, 1999, 16, 45-54.	2.5	75
114	Nanoscale Cage-like Structures Derived from Polyisoprene-Containing Shell Cross-linked Nanoparticle Templates. Nano Letters, 2004, 4, 683-688.	4.5	74
115	Folateâ€mediated cell uptake of shellâ€crosslinked spheres and cylinders. Journal of Polymer Science Part A, 2008, 46, 7578-7583.	2.5	74
116	Well-Defined Vinyl Ketone-Based Polymers by Reversible Additionâ^'Fragmentation Chain Transfer Polymerization. Journal of the American Chemical Society, 2007, 129, 10086-10087.	6.6	73
117	Multicompartment and multigeometry nanoparticle assembly. Soft Matter, 2011, 7, 2500.	1.2	72
118	Endosomal escape and siRNA delivery with cationic shell crosslinked knedel-like nanoparticles with tunable buffering capacities. Biomaterials, 2012, 33, 8557-8568.	5.7	72
119	Hyperbranched Fluoropolymer-Polydimethylsiloxane-Poly(ethylene glycol) Cross-Linked Terpolymer Networks Designed for Marine and Biomedical Applications: Heterogeneous Nontoxic Antibiofouling Surfaces. ACS Applied Materials & Interfaces, 2014, 6, 19265-19274.	4.0	72
120	From Dendrimers to Knedelâ€like Structures. Chemistry - A European Journal, 1997, 3, 1397-1399.	1.7	71
121	Diblock copolymers, micelles, and shell-crosslinked nanoparticles containing poly(4-fluorostyrene): Tools for detailed analyses of nanostructured materials. Journal of Polymer Science Part A, 2001, 39, 4152-4166.	2.5	71
122	Peptide-Derivatized Shell-Cross-Linked Nanoparticles. 1. Synthesis and Characterization. Bioconjugate Chemistry, 2004, 15, 699-709.	1.8	71
123	Bright fluorescent nanoparticles for developing potential optical imaging contrast agents. Nanoscale, 2010, 2, 548.	2.8	71
124	⁶⁴Cu Core-Labeled Nanoparticles with High Specific Activity via Metal-Free Click Chemistry. ACS Nano, 2012, 6, 5209-5219.	7.3	71
125	Gold Nanoclusters Doped with ⁶⁴Cu for CXCR4 Positron Emission Tomography Imaging of Breast Cancer and Metastasis. ACS Nano, 2016, 10, 5959-5970.	7.3	71
126	Strategies for Optimized Radiolabeling of Nanoparticles for in vivo PET Imaging. Advanced Materials, 2007, 19, 3157-3162.	11.1	68

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127	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. Advanced Functional Materials, 2013, 23, 1767-1773.	7.8	68
128	Fundamental design aspects of amphiphilic shell-crosslinked nanoparticles for controlled release applications. Chemical Communications, 2001, , 773-774.	2.2	67
129	Benzaldehyde-Functionalized Polymer Vesicles. ACS Nano, 2009, 3, 673-681.	7.3	66
130	A Processable Shape Memory Polymer System for Biomedical Applications. Advanced Healthcare Materials, 2015, 4, 1386-1398.	3.9	66
131	Hyperbranched fluorocopolymers by atom transfer radical self-condensing vinyl copolymerization. Journal of Polymer Science Part A, 2005, 43, 4754-4770.	2.5	65
132	ATRP from a Norbornenyl-Functionalized Initiator:Â Balancing of Complementary Reactivity for the Preparation of Î±-Norbornenyl Macromonomers/Ï‰-Haloalkyl Macroinitiators. Macromolecules, 2005, 38, 9455-9465.	2.2	64
133	Hybrid Rigid/Soft and Biologic/Synthetic Materials: Polymers Grafted onto Cellulose Microcrystals. Biomacromolecules, 2011, 12, 1214-1223.	2.6	64
134	Development of a Vinyl Ether-Functionalized Polyphosphoester as a Template for Multiple Postpolymerization Conjugation Chemistries and Study of Core Degradable Polymeric Nanoparticles. Macromolecules, 2014, 47, 4634-4644.	2.2	64
135	Surface Charges and Shell Crosslinks Each Play Significant Roles in Mediating Degradation, Biofouling, Cytotoxicity and Immunotoxicity for Polyphosphoester-based Nanoparticles. Scientific Reports, 2013, 3, 3313.	1.6	63
136	Peptide-Derivatized Shell-Cross-Linked Nanoparticles. 2. Biocompatibility Evaluation. Bioconjugate Chemistry, 2004, 15, 710-717.	1.8	62
137	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. Nanoscale, 2015, 7, 2265-2270.	2.8	62
138	Cationic shell-crosslinked knedel-like nanoparticles for highly efficient gene and oligonucleotide transfection of mammalian cells. Biomaterials, 2009, 30, 968-977.	5.7	61
139	Tuning core vs. shell dimensions to adjust the performance of nanoscopic containers for the loading and release of doxorubicin. Journal of Controlled Release, 2011, 152, 37-48.	4.8	61
140	Detection of Living Anionic Species in Polymerization Reactions Using Hyperpolarized NMR. Journal of the American Chemical Society, 2013, 135, 4636-4639.	6.6	60
141	Data Mining as a Guide for the Construction of Cross-Linked Nanoparticles with Low Immunotoxicity via Control of Polymer Chemistry and Supramolecular Assembly. Accounts of Chemical Research, 2015, 48, 1620-1630.	7.6	60
142	Solution and Surface Charge Properties of Shell Cross-Linked Knedel Nanoparticles. Macromolecules, 1999, 32, 3685-3689.	2.2	59
143	The preparation oft-butyl acrylate, methyl acrylate, and styrene block copolymers by atom transfer radical polymerization: Precursors to amphiphilic and hydrophilic block copolymers and conversion to complex nanostructured materials. Journal of Polymer Science Part A, 2000, 38, 4805-4820.	2.5	59
144	Multisite functionalized dendritic macromolecules prepared via metalation by superbases and reaction with electrophiles. Journal of the American Chemical Society, 1993, 115, 7043-7044.	6.6	58

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145	Packaging of DNA by shell crosslinked nanoparticles. Nucleic Acids Research, 1999, 27, 2966-2971.	6.5	58
146	Characterization of Poly(norbornene) Dendronized Polymers Prepared by Ring-Opening Metathesis Polymerization of Dendron Bearing Monomers. Macromolecules, 2006, 39, 7241-7249.	2.2	58
147	Hyperbranched Fluoropolymers and their Hybridization into Complex Amphiphilic Crosslinked Copolymer Networks. Macromolecular Chemistry and Physics, 2007, 208, 1676-1687.	1.1	58
148	Synthesis and Direct Visualization of Dumbbell-Shaped Molecular Brushes. ACS Macro Letters, 2012, 1, 241-245.	2.3	58
149	Unusual Mechanical Performance of Amphiphilic Crosslinked Polymer Networks. Journal of the American Chemical Society, 2007, 129, 506-507.	6.6	57
150	Orthogonally Dual-Clickable Janus Nanoparticles via a Cyclic Templating Strategy. Journal of the American Chemical Society, 2011, 133, 11046-11049.	6.6	54
151	Functional sugar-based polymers and nanostructures comprised of degradable poly(<scp>d</scp>-glucose carbonate)s. Polymer Chemistry, 2017, 8, 1699-1707.	1.9	54
152	Nanomedicine in management of hepatocellular carcinoma: Challenges and opportunities. International Journal of Cancer, 2017, 140, 1475-1484.	2.3	54
153	Facile syntheses of 4â€vinylâ€1,2,3â€triazole monomers by click azide/acetylene coupling. Journal of Polymer Science Part A, 2008, 46, 2897-2912.	2.5	53
154	In Vitro Efficacy of Paclitaxel-Loaded Dual-Responsive Shell Cross-Linked Polymer Nanoparticles Having Orthogonally Degradable Disulfide Cross-Linked Corona and Polyester Core Domains. Molecular Pharmaceutics, 2013, 10, 1092-1099.	2.3	53
155	Tunable mechano-responsive organogels by ring-opening copolymerizations of N-carboxyanhydrides. Chemical Science, 2014, 5, 141-150.	3.7	53
156	Shell Cross-Linked Nanoparticles Designed To Target Angiogenic Blood Vessels via Î±vÎ²3 Receptorâ^'Ligand Interactions. Macromolecules, 2004, 37, 7109-7115.	2.2	52
157	Noradrenaline-Functionalized Hyperbranched Fluoropolymerâ€"Poly(ethylene glycol) Cross-Linked Networks As Dual-Mode, Anti-Biofouling Coatings. ACS Nano, 2012, 6, 1503-1512.	7.3	52
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