

Karen L Wooley

List of Articles by Year in descending order

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342

PR articles

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PR citations

3591

85

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5193

163

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366

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32155

doc citations

3374

93

h-index

26512

citing authors

#	ARTICLE	IF	CITATIONS
1	A bioinspired and degradable riboflavin-containing polypeptide as a sustainable material for energy storage. Proceedings of the National Academy of Sciences of the United States of America, 2025, 122, .	7.5	0
2	Ultrasmall, elementary and highly translational nanoparticle X-ray contrast media from amphiphilic iodinated statistical copolymers. Acta Pharmaceutica Sinica B, 2023, 13, 1660-1670.	12.6	2
3	Glucose-derived superabsorbent hydrogel materials based on mechanically interlocked slide ring and triblock copolymer topologies. Journal of Polymer Science, 2023, 61, 937-950.	3.9	9
4	Microencapsulated paraffin as a tribological additive for advanced polymeric coatings. Friction, 2023, 11, 1939-1952.	7.0	12
5	Elucidation of Substantial Differences in Ring-Opening Polymerization Outcomes from Subtle Variation of Glucose Carbonate-Based Monomer Substitution Patterns and Substituent Types. Journal of the American Chemical Society, 2023, 145, 15405-15413.	15.0	10
6	Structural Metamorphoses of d-Xylose Oxetane- and Carbonyl Sulfide-Based Polymers In Situ during Ring-Opening Copolymerizations. Journal of the American Chemical Society, 2023, 145, 18560-18567.	15.0	35
7	Complexities of Regioselective Ring-Opening vs Transcarbonylation-Driven Structural Metamorphosis during Organocatalytic Polymerizations of Five-Membered Cyclic Carbonate Glucose Monomers. JACS Au, 2022, 2, 515-521.	6.5	9
8	Topological Design of Highly Anisotropic Aligned Hole Transporting Molecular Bottlebrushes for Solution-Processed OLEDs. Journal of the American Chemical Society, 2022, 144, 8084-8095.	15.0	14
9	Enhanced Dielectric Strength and Capacitive Energy Density of Cyclic Polystyrene Films. ACS Polymers Au, 2022, 2, 324-332.	5.9	30
10	Metal-free polypeptide redox flow batteries. Materials Advances, 2022, 3, 6558-6565.	4.6	14
11	Design of nanoconstructs that exhibit enhanced hemostatic efficiency and bioabsorbability. Nanoscale, 2022, 14, 10738-10749.	5.0	10
12	Fluorescence lifetime image microscopy prediction with convolutional neural networks for cell detection and classification in tissues. PNAS Nexus, 2022, 1, .	3.1	8
13	Morphologic design of nanostructures for enhanced antimicrobial activity. Journal of Nanobiotechnology, 2022, 20, .	11.4	73
14	Multiple analyte profiling (MAP) index as a powerful diagnostic and therapeutic monitoring tool. Methods, 2021, 190, 26-32.	3.5	2
15	Sustainable synthesis of CO ₂ -derived polycarbonates from d-xylose. Polymer Chemistry, 2021, 12, 5271-5278.	3.9	36
16	Polypeptide organic radical batteries. Nature, 2021, 593, 61-66.	37.9	338
17	Morphologic design of sugar-based polymer nanoparticles for delivery of antidiabetic peptides. Journal of Controlled Release, 2021, 334, 1-10.	11.0	17
18	Morphologic Design of Silver-Bearing Sugar-Based Polymer Nanoparticles for Uroepithelial Cell Binding and Antimicrobial Delivery. Nano Letters, 2021, 21, 4990-4998.	8.7	39

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19	Investigation of segmental reorganization within amphiphilic block polymer nanoparticles derived from shell crosslinked micelle templates: Shell crosslinked knedelâ€like inversion. <i>Journal of Polymer Science</i> , 2020, 58, 204-214.	3.9	0
20	Hierarchical Self-Assembly of Poly(d-glucose carbonate) Amphiphilic Block Copolymers in Mixed Solvents. <i>Macromolecules</i> , 2020, 53, 8581-8591.	5.0	21
21	Effects of Glutathione and Histidine on NO Release from a Dimeric Dinitrosyl Iron Complex (DNIC). <i>Inorganic Chemistry</i> , 2020, 59, 16998-17008.	4.6	10
22	A Tale of Drug-Carrier Optimization: Controlling Stimuli Sensitivity via Nanoparticle Hydrophobicity through Drug Loading. <i>Nano Letters</i> , 2020, 20, 6563-6571.	8.7	21
23	Invoking Side-Chain Functionality for the Mediation of Regioselectivity during Ring-Opening Polymerization of Glucose Carbonates. <i>Journal of the American Chemical Society</i> , 2020, 142, 16974-16981.	15.0	39
24	Erythrocyte-Membrane-Camouflaged Nanocarriers with Tunable Paclitaxel Release Kinetics via Macromolecular Stereocomplexation. , 2020, 2, 595-601.		10
25	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. <i>Polymer Chemistry</i> , 2020, 11, 4895-4903.	3.9	11
26	Preparation of Degradable Polymeric Nanoparticles with Various Sizes and Surface Charges from Polycarbonate Block Copolymers. <i>Macromolecular Research</i> , 2019, 27, 1173-1178.	2.8	0
27	Theory-Guided Targeted Delivery of Nanoparticles in Advective Environmental Porous Media. <i>Environmental Science and Technology Letters</i> , 2019, 6, 617-623.	8.8	8
28	Computational Reverse-Engineering Analysis for Scattering Experiments on Amphiphilic Block Polymer Solutions. <i>Journal of the American Chemical Society</i> , 2019, 141, 14916-14930.	15.0	34
29	Multiplexing techniques for measurement of the immunomodulatory effects of particulate materials: Precautions when testing micro- and nano-particles. <i>Methods</i> , 2019, 158, 81-85.	3.5	7
30	Absorbable hemostatic hydrogels comprising composites of sacrificial templates and honeycomb-like nanofibrous mats of chitosan. <i>Nature Communications</i> , 2019, 10, .	13.7	198
31	Toward the Optimization of Dinitrosyl Iron Complexes as Therapeutics for Smooth Muscle Cells. <i>Molecular Pharmaceutics</i> , 2019, 16, 3178-3187.	4.2	29
32	Assessment of Copper Nanoclusters for Accurate in Vivo Tumor Imaging and Potential for Translation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19669-19678.	8.0	46
33	Experiments and Simulations of Complex Sugar-Based Coilâ€Brush Block Polymer Nanoassemblies in Aqueous Solution. <i>ACS Nano</i> , 2019, 13, 5147-5162.	15.3	26
34	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . <i>Molecular Pharmaceutics</i> , 2019, 16, 1606-1619.	4.2	29
35	<i>In Situ</i> Production of Ag/Polymer Asymmetric Nanoparticles via a Powerful Light-Driven Technique. <i>Journal of the American Chemical Society</i> , 2019, 141, 19542-19545.	15.0	28
36	Construction of nanostructures in aqueous solution from amphiphilic glucoseâ€derived polycarbonates. <i>Journal of Polymer Science Part A</i> , 2019, 57, 432-440.	2.3	3

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37	Harnessing the Chemical Diversity of the Natural Product Magnolol for the Synthesis of Renewable, Degradable Neolignan Thermosets with Tunable Thermomechanical Characteristics and Antioxidant Activity. <i>Biomacromolecules</i> , 2019, 20, 109-117.	5.1	39
38	Functional, Degradable Zwitterionic Polyphosphoesters as Biocompatible Coating Materials for Metal Nanostructures. <i>Langmuir</i> , 2019, 35, 1503-1512.	3.6	17
39	Organocatalyzed ROP of a Glucopyranoside Derived Five-Membered Cyclic Carbonate. <i>Macromolecules</i> , 2018, 51, 1787-1797.	5.0	56
40	A novel in vitro metric predicts in vivo efficacy of inhaled silver-based antimicrobials in a murine <i>Pseudomonas aeruginosa</i> pneumonia model. <i>Scientific Reports</i> , 2018, 8, .	3.4	14
41	A Vinyl Ether-Functional Polycarbonate as a Template for Multiple Postpolymerization Modifications. <i>Macromolecules</i> , 2018, 51, 3233-3242.	5.0	15
42	Reassessment of nanomaterials immunotoxicity. <i>Nano Today</i> , 2018, 20, 10-12.	9.9	12
43	Chemical Design of Both a Glutathione-Sensitive Dimeric Drug Guest and a Glucose-Derived Nanocarrier Host to Achieve Enhanced Osteosarcoma Lung Metastatic Anticancer Selectivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 1438-1446.	15.0	109
44	Regioisomeric Preference in Ring-Opening Polymerization of 3,5-Cyclic Phosphoesters of Functional Thymidine DNA Analogues. <i>ACS Macro Letters</i> , 2018, 7, 153-158.	5.0	21
45	Development of Fully Degradable Phosphonium-Functionalized Amphiphilic Diblock Copolymers for Nucleic Acids Delivery. <i>Biomacromolecules</i> , 2018, 19, 1212-1222.	5.1	30
46	Co-assembly of sugar-based amphiphilic block polymers to achieve nanoparticles with tunable morphology, size, surface charge, and acid-responsive behavior. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2230-2238.	6.1	12
47	Advancing the Development of Highly-Functionalizable Glucose-Based Polycarbonates by Tuning of the Glass Transition Temperature. <i>Journal of the American Chemical Society</i> , 2018, 140, 16053-16057.	15.0	62
48	β -Cyclodextrin-Derived Monolithic, Hierarchically Porous Polyimides Designed for Versatile Molecular Separation Applications. <i>Chemistry of Materials</i> , 2018, 30, 6226-6230.	6.7	19
49	Acid-Triggered Polymer Backbone Degradation and Disassembly to Achieve Release of Camptothecin from Functional Polyphosphoramidate Nanoparticles. <i>ACS Macro Letters</i> , 2018, 7, 783-788.	5.0	25
50	Functional sugar-based polymers and nanostructures comprised of degradable poly(d-glucose) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	3.9	59
51	Polyphosphoramidates That Undergo Acid-Triggered Backbone Degradation. <i>ACS Macro Letters</i> , 2017, 6, 219-223.	5.0	36
52	Synthetic, Functional Thymidine-Derived Polydeoxyribonucleotide Analogues from a Six-Membered Cyclic Phosphoester. <i>Journal of the American Chemical Society</i> , 2017, 139, 5467-5473.	15.0	47
53	Syntheses of triblock bottlebrush polymers through sequential ROMPs: Expanding the functionalities of molecular brushes. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2966-2970.	2.3	36
54	Multi-responsive polypeptide hydrogels derived from N-carboxyanhydride terpolymerizations for delivery of nonsteroidal anti-inflammatory drugs. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5145-5154.	2.6	37

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55	Monomer design strategies to create natural product-based polymer materials. <i>Natural Product Reports</i> , 2017, 34, 433-459.	10.6	150
56	Design and development of multifunctional polyphosphoester-based nanoparticles for ultrahigh paclitaxel dual loading. <i>Nanoscale</i> , 2017, 9, 15773-15777.	5.0	29
57	Two-Dimensional Controlled Syntheses of Polypeptide Molecular Brushes via N-Carboxyanhydride Ring-Opening Polymerization and Ring-Opening Metathesis Polymerization. <i>ACS Macro Letters</i> , 2017, 6, 1031-1035.	5.0	45
58	Crystallization-driven assembly of fully degradable, natural product-based poly(l-lactide)-block-poly(l±-d-glucose carbonate)s in aqueous solution. <i>Polymer</i> , 2017, 122, 270-279.	4.1	44
59	Functional Polycarbonate of a d-Glucal-Derived Bicyclic Carbonate via Organocatalytic Ring-Opening Polymerization. <i>ACS Macro Letters</i> , 2017, 6, 748-753.	5.0	39
60	Nanomedicine in management of hepatocellular carcinoma: Challenges and opportunities. <i>International Journal of Cancer</i> , 2017, 140, 1475-1484.	4.3	62
61	Stimuli-Triggered Sol-Gel Transitions of Polypeptides Derived from α -Amino Acid N-Carboxyanhydride (NCA) Polymerizations. <i>Chemistry - an Asian Journal</i> , 2016, 11, 437-447.	3.0	51
62	Polymeric nanoparticles in development for treatment of pulmonary infectious diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 842-871.	7.4	107
63	Amphiphilic Cross-Linked Liquid Crystalline Fluoropolymer-Poly(ethylene glycol) Coatings for Application in Challenging Conditions: Comparative Study between Different Liquid Crystalline Comonomers and Polymer Architectures. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33386-33393.	8.0	11
64	Investigation of intricate, amphiphilic crosslinked hyperbranched fluoropolymers as anti-icing coatings for extreme environments. <i>Journal of Polymer Science Part A</i> , 2016, 54, 238-244.	2.3	32
65	Rapidly-cured isosorbide-based cross-linked polycarbonate elastomers. <i>Polymer Chemistry</i> , 2016, 7, 2639-2644.	3.9	40
66	Gold Nanoclusters Doped with ^{64}Cu for CXCR4 Positron Emission Tomography Imaging of Breast Cancer and Metastasis. <i>ACS Nano</i> , 2016, 10, 5959-5970.	15.3	87
67	Thiol-Ene Elastomers Derived from Biobased Phenolic Acids with Varying Functionality. <i>Macromolecules</i> , 2016, 49, 7737-7748.	5.0	43
68	Four Different Regioisomeric Polycarbonates Derived from One Natural Product, d-Glucose. <i>Macromolecules</i> , 2016, 49, 7857-7867.	5.0	30
69	Bio-based polycarbonates derived from the neolignan honokiol. <i>RSC Advances</i> , 2016, 6, 81672-81679.	4.4	14
70	Dynamic Anti-Icing Coatings: Complex, Amphiphilic Hyperbranched Fluoropolymer Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 J <i>Materials</i> , 2016, 28, 5471-5479.	6.7	15
71	Synthesis, Characterization, and Cross-Linking Strategy of a Quercetin-Based Epoxidized Monomer as a Naturally-Derived Replacement for BPA in Epoxy Resins. <i>ChemSusChem</i> , 2016, 9, 2135-2142.	6.2	32
72	Magnetically-active Pickering emulsions stabilized by hybrid inorganic/organic networks. <i>Soft Matter</i> , 2016, 12, 9342-9354.	2.6	7

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73	InÂvivo fate tracking of degradable nanoparticles for lung gene transfer using PET and Åerenkov imaging. <i>Biomaterials</i> , 2016, 98, 53-63.	12.1	39
74	Reversible photo-patterning of soft conductive materials via spatially-defined supramolecular assembly. <i>Chemical Communications</i> , 2016, 52, 8455-8458.	3.4	15
75	Advanced photoresist technologies by intricate molecular brush architectures: Diblock brush terpolymer-based positive-tone photoresist materials. <i>Journal of Polymer Science Part A</i> , 2015, 53, 193-199.	2.3	12
76	Examination of radioopacity enhancing additives in shape memory polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.7	14
77	A Processable Shape Memory Polymer System for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2015, 4, 1386-1398.	8.8	76
78	Nanodomain analysis with cluster-SIMS: application to the characterization of macromolecular brush architecture. <i>Surface and Interface Analysis</i> , 2015, 47, 1051-1055.	1.7	2
79	Self-Reporting Degradable Fluorescent Grafted Copolymer Micelles Derived from Biorenewable Resources. <i>ACS Macro Letters</i> , 2015, 4, 645-650.	5.0	31
80	Data Mining as a Guide for the Construction of Cross-Linked Nanoparticles with Low Immunotoxicity via Control of Polymer Chemistry and Supramolecular Assembly. <i>Accounts of Chemical Research</i> , 2015, 48, 1620-1630.	17.0	67
81	Functionalizable Hydrophilic Polycarbonate, Poly(5-methyl-5-(2-hydroxypropyl)aminocarbonyl-1,3-dioxan-2-one), Designed as a Degradable Alternative for PHPMA and PEG. <i>Macromolecules</i> , 2015, 48, 8797-8805.	5.0	30
82	Imidazolium Salts as Small-Molecule Urinary Bladder Exfoliants in a Murine Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5494-5502.	4.1	16
83	Improving Paclitaxel Delivery: In Vitro and In Vivo Characterization of PEGylated Polyphosphoester-Based Nanocarriers. <i>Journal of the American Chemical Society</i> , 2015, 137, 2056-2066.	15.0	190
84	Preparation and in Vitro Antimicrobial Activity of Silver-Bearing Degradable Polymeric Nanoparticles of Polyphosphoester-block-Poly(L-lactide). <i>ACS Nano</i> , 2015, 9, 1995-2008.	15.3	94
85	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. <i>Nanoscale</i> , 2015, 7, 2265-2270.	5.0	65
86	Polymeric Nanostructures for Imaging and Therapy. <i>Chemical Reviews</i> , 2015, 115, 10967-11011.	52.6	490
87	Facile Synthesis of a Phosphorylcholine-Based Zwitterionic Amphiphilic Copolymer for Anti-Biofouling Coatings. <i>ACS Macro Letters</i> , 2015, 4, 505-510.	5.0	32
88	Recyclable Hybrid Inorganic/Organic Magnetically Active Networks for the Sequestration of Crude Oil from Aqueous Environments. <i>Chemistry of Materials</i> , 2015, 27, 3775-3782.	6.7	26
89	Investigating the pharmacokinetics and biological distribution of silver-loaded polyphosphoester-based nanoparticles using ¹¹¹ Ag as a radiotracer. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 234-241.	0.8	21
90	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , 2015, 48, 5621-5631.	5.0	40

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91	Synthesis and Physical Properties of Thiolâ€Ene Networks Utilizing Plant-Derived Phenolic Acids. <i>Macromolecules</i> , 2015, 48, 8418-8427.	5.0	44
92	Multi-responsive hydrogels derived from the self-assembly of tethered allyl-functionalized racemic oligopeptides. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8123-8130.	5.5	34
93	Poly(ethylene oxide)â€blockâ€Polyphosphoesterâ€graftâ€Paclitaxel Conjugates with Acidâ€Labile Linkages as a pHâ€Sensitive and Functional Nanoscopic Platform for Paclitaxel Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 441-448.	8.8	142
94	A Highâ€Performance Recycling Solution for Polystyrene Achieved by the Synthesis of Renewable Poly(thioether) Networks Derived from dâ€Limonene. <i>Advanced Materials</i> , 2014, 26, 1552-1558.	24.5	48
95	Copperâ€64â€Alloyed Gold Nanoparticles for Cancer Imaging: Improved Radiolabel Stability and Diagnostic Accuracy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 156-159.	14.4	138
96	Poly(carbonateâ€amide)s Derived from Bio-Based Resources: Poly(ferulic acid-co-tyrosine). <i>Macromolecules</i> , 2014, 47, 2974-2983.	5.0	35
97	Directing Selfâ€Assembly of Nanoscopic Cylindrical Diblock Brush Terpolymers into Films with Desired Spatial Orientations: Expansion of Chemical Composition Scope. <i>Macromolecular Rapid Communications</i> , 2014, 35, 437-441.	4.1	21
98	Hyperbranched Fluoropolymer-Polydimethylsiloxane-Poly(ethylene glycol) Cross-Linked Terpolymer Networks Designed for Marine and Biomedical Applications: Heterogeneous Nontoxic Antibiofouling Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19265-19274.	8.0	77
99	Programmed hydrolysis of nanoassemblies by electrostatic interaction-mediated enzymatic-degradation. <i>Chemical Communications</i> , 2014, 50, 968-970.	3.4	22
100	Photo-cross-linked Poly(thioether-co-carbonate) Networks Derived from the Natural Product Quinic Acid. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17370-17375.	8.0	21
101	Construction of a versatile and functional nanoparticle platform derived from a helical diblock copolypeptide-based biomimetic polymer. <i>Polymer Chemistry</i> , 2014, 5, 3977-3981.	3.9	24
102	Poly(ferulic acid-co-tyrosine): Effect of the Regiochemistry on the Photophysical and Physical Properties en Route to Biomedical Applications. <i>Macromolecules</i> , 2014, 47, 7109-7117.	5.0	17
103	Tunable mechano-responsive organogels by ring-opening copolymerizations of N-carboxyanhydrides. <i>Chemical Science</i> , 2014, 5, 141-150.	7.1	57
104	Holistic Assessment of Covalently Labeled Coreâ€Shell Polymeric Nanoparticles with Fluorescent Contrast Agents for Theranostic Applications. <i>Langmuir</i> , 2014, 30, 631-641.	3.6	26
105	Supramolecularly Knitted Tethered Oligopeptide/Singleâ€Walled Carbon Nanotube Organogels. <i>Chemistry - A European Journal</i> , 2014, 20, 8842-8847.	3.4	9
106	Development of a Vinyl Ether-Functionalized Polyphosphoester as a Template for Multiple Postpolymerization Conjugation Chemistries and Study of Core Degradable Polymeric Nanoparticles. <i>Macromolecules</i> , 2014, 47, 4634-4644.	5.0	66
107	Aldehyde-functional polycarbonates as reactive platforms. <i>Polymer Chemistry</i> , 2014, 5, 3555-3558.	3.9	25
108	Copperâ€64â€Alloyed Gold Nanoparticles for Cancer Imaging: Improved Radiolabel Stability and Diagnostic Accuracy. <i>Angewandte Chemie</i> , 2014, 126, 160-163.	1.4	129

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109	Efficient Protection and Transfection of Small Interfering RNA by Cationic Shell-Crosslinked Knedel-Like Nanoparticles. <i>Nucleic Acid Therapeutics</i> , 2013, 23, 95-108.	4.6	7
110	Poly(ethylene oxide)-block-polyphosphester-based paclitaxel conjugates as a platform for ultra-high paclitaxel-loaded multifunctional nanoparticles. <i>Chemical Science</i> , 2013, 4, 2122.	7.1	120
111	Disk-cylinder and disk-sphere nanoparticles via a block copolymer blend solution construction. <i>Nature Communications</i> , 2013, 4, .	13.7	148
112	Robust Magnetic/Polymer Hybrid Nanoparticles Designed for Crude Oil Entrapment and Recovery in Aqueous Environments. <i>ACS Nano</i> , 2013, 7, 7552-7561.	15.3	133
113	Degradable Cationic Shell Cross-Linked Knedel-like Nanoparticles: Synthesis, Degradation, Nucleic Acid Binding, and in Vitro Evaluation. <i>Biomacromolecules</i> , 2013, 14, 1018-1027.	5.1	35
114	PEGylation of cationic, shell-crosslinked-knedel-like nanoparticles modulates inflammation and enhances cellular uptake in the lung. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 912-922.	3.6	33
115	A Structural Approach to Establishing a Platform Chemistry for the Tunable, Bulk Electron Beam Cross-Linking of Shape Memory Polymer Systems. <i>Macromolecules</i> , 2013, 46, 8905-8916.	5.0	17
116	Multifunctional Hierarchically Assembled Nanostructures as Complex Stage-Wise Dual-Delivery Systems for Coincidental Yet Differential Trafficking of siRNA and Paclitaxel. <i>Nano Letters</i> , 2013, 13, 2172-2181.	8.7	43
117	Differential immunotoxicities of poly(ethylene glycol)- vs. poly(carboxybetaine)-coated nanoparticles. <i>Journal of Controlled Release</i> , 2013, 172, 641-652.	11.0	37
118	Shell crosslinked knedel-like nanoparticles for delivery of cisplatin: effects of crosslinking. <i>Nanoscale</i> , 2013, 5, 3220.	5.0	45
119	Shell-crosslinked knedel-like nanoparticles induce lower immunotoxicity than their non-crosslinked analogs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5241.	5.5	30
120	Detection of Living Anionic Species in Polymerization Reactions Using Hyperpolarized NMR. <i>Journal of the American Chemical Society</i> , 2013, 135, 4636-4639.	15.0	66
121	Nanosopic Cylindrical Dual Concentric and Lengthwise Block Brush Terpolymers as Covalent Preassembled High-Resolution and High-Sensitivity Negative-Tone Photoresist Materials. <i>Journal of the American Chemical Society</i> , 2013, 135, 4203-4206.	15.0	113
122	Imaging mRNA expression levels in living cells with PNA-DNA binary FRET probes delivered by cationic shell-crosslinked nanoparticles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3159.	2.6	18
123	In Vitro Efficacy of Paclitaxel-Loaded Dual-Responsive Shell Cross-Linked Polymer Nanoparticles Having Orthogonally Degradable Disulfide Cross-Linked Corona and Polyester Core Domains. <i>Molecular Pharmaceutics</i> , 2013, 10, 1092-1099.	4.2	58
124	Cytokines as biomarkers of nanoparticle immunotoxicity. <i>Chemical Society Reviews</i> , 2013, 42, 5552.	37.7	377
125	Synthesis, Characterization, and In Vivo Efficacy of Shell Cross-Linked Nanoparticle Formulations Carrying Silver Antimicrobials as Aerosolized Therapeutics. <i>ACS Nano</i> , 2013, 7, 4977-4987.	15.3	45
126	A Genetically Encoded Acrylamide Functionality. <i>ACS Chemical Biology</i> , 2013, 8, 1664-1670.	3.7	107

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127	A Simple and Efficient Synthesis of an Acid-Labile Polyphosphoramidate by Organobase-Catalyzed Ring-Opening Polymerization and Transformation to Polyphosphoester Ionomers by Acid Treatment. <i>Macromolecules</i> , 2013, 46, 5141-5149.	5.0	80
128	Responsive organogels formed by supramolecular self assembly of PEG-block-allyl-functionalized racemic polypeptides into β -sheet-driven polymeric ribbons. <i>Soft Matter</i> , 2013, 9, 5951.	2.6	37
129	Poly(d-glucose carbonate) Block Copolymers: A Platform for Natural Product-Based Nanomaterials with Solvothermic Characteristics. <i>Biomacromolecules</i> , 2013, 14, 3346-3353.	5.1	38
130	Construction of a Reactive Diblock Copolymer, Polyphosphoester-block-Poly(L-lactide), as a Versatile Framework for Functional Materials That Are Capable of Full Degradation and Nanoscopic Assembly Formation. <i>ACS Macro Letters</i> , 2013, 2, 785-789.	5.0	37
131	Antisense peptide nucleic acid-functionalized cationic nanocomplex for <i>in vivo</i> mRNA detection. <i>Interface Focus</i> , 2013, 3, .	3.0	17
132	Bottom-up/top-down, high-resolution, high-throughput lithography using vertically assembled block bottle brush polymers. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2013, 12, 043006.	1.2	10
133	Polyphosphoester-Based Cationic Nanoparticles Serendipitously Release Integral Biologically Active Components to Serve as Novel Degradable Inducible Nitric Oxide Synthase Inhibitors. <i>Advanced Materials</i> , 2013, 25, 5609-5614.	24.5	25
134	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. <i>Advanced Functional Materials</i> , 2013, 23, 1767-1773.	17.0	69
135	Polycarbonates Derived from Glucose via an Organocatalytic Approach. <i>Journal of the American Chemical Society</i> , 2013, 135, 6826-6829.	15.0	128
136	Surface Charges and Shell Crosslinks Each Play Significant Roles in Mediating Degradation, Biofouling, Cytotoxicity and Immunotoxicity for Polyphosphoester-based Nanoparticles. <i>Scientific Reports</i> , 2013, 3, .	3.4	70
137	Degradability of Poly(Lactic Acid)-Containing Nanoparticles: Enzymatic Access through a Cross-Linked Shell Barrier. <i>Journal of the American Chemical Society</i> , 2012, 134, 1235-1242.	15.0	121
138	Rapid and Versatile Construction of Diverse and Functional Nanostructures Derived from a Polyphosphoester-Based Biomimetic Block Copolymer System. <i>Journal of the American Chemical Society</i> , 2012, 134, 18467-18474.	15.0	174
139	⁶⁴ Cu Core-Labeled Nanoparticles with High Specific Activity via Metal-Free Click Chemistry. <i>ACS Nano</i> , 2012, 6, 5209-5219.	15.3	76
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