

# Karen L Wooley

## List of Publications by Year in descending order

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Version: 2024-02-01

360  
papers

32,181  
citations

2802

94  
h-index

5255

165  
g-index

381  
all docs

381  
docs citations

381  
times ranked

22652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexities of Regioselective Ring-Opening vs Transcarbonylation-Driven Structural Metamorphosis during Organocatalytic Polymerizations of Five-Membered Cyclic Carbonate Glucose Monomers. <i>Jacs Au</i> , 2022, 2, 515-521.	7.9	7
2	Topological Design of Highly Anisotropic Aligned Hole Transporting Molecular Bottlebrushes for Solution-Processed OLEDs. <i>Journal of the American Chemical Society</i> , 2022, 144, 8084-8095.	13.7	10
3	Enhanced Dielectric Strength and Capacitive Energy Density of Cyclic Polystyrene Films. <i>ACS Polymers Au</i> , 2022, 2, 324-332.	4.1	12
4	Nanomaterials and immune system. , 2022, , 65-114.		0
5	Data analysis and interpretation. , 2022, , 145-168.		0
6	Methods for evaluation of the immunomodulatory effects of nanoparticles. , 2022, , 115-127.		0
7	Precautions during evaluation of immunotoxicity of particulate materials. , 2022, , 139-143.		0
8	Multiple analyte profiling (MAP) index as a powerful diagnostic and therapeutic monitoring tool. <i>Methods</i> , 2021, 190, 26-32.	3.8	2
9	Sustainable synthesis of CO <sub>2</sub> -derived polycarbonates from <i>d</i> -xylose. <i>Polymer Chemistry</i> , 2021, 12, 5271-5278.	3.9	17
10	Polypeptide organic radical batteries. <i>Nature</i> , 2021, 593, 61-66.	27.8	195
11	Morphologic design of sugar-based polymer nanoparticles for delivery of antidiabetic peptides. <i>Journal of Controlled Release</i> , 2021, 334, 1-10.	9.9	10
12	Morphologic Design of Silver-Bearing Sugar-Based Polymer Nanoparticles for Uroepithelial Cell Binding and Antimicrobial Delivery. <i>Nano Letters</i> , 2021, 21, 4990-4998.	9.1	28
13	Investigation of segmental reorganization within amphiphilic block polymer nanoparticles derived from shell crosslinked micelle templates: Shell crosslinked knedel-like inversion. <i>Journal of Polymer Science</i> , 2020, 58, 204-214.	3.8	0
14	Hierarchical Self-Assembly of Poly( <i>d</i> -glucose carbonate) Amphiphilic Block Copolymers in Mixed Solvents. <i>Macromolecules</i> , 2020, 53, 8581-8591.	4.8	17
15	Effects of Glutathione and Histidine on NO Release from a Dimeric Dinitrosyl Iron Complex (DNIC). <i>Inorganic Chemistry</i> , 2020, 59, 16998-17008.	4.0	7
16	A Tale of Drug-Carrier Optimization: Controlling Stimuli Sensitivity via Nanoparticle Hydrophobicity through Drug Loading. <i>Nano Letters</i> , 2020, 20, 6563-6571.	9.1	14
17	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.	13.7	34
18	Erythrocyte-Membrane-Camouflaged Nanocarriers with Tunable Paclitaxel Release Kinetics via Macromolecular Stereocomplexation. , 2020, 2, 595-601.		9

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19	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. <i>Polymer Chemistry</i> , 2020, 11, 4895-4903.	3.9	10
20	Preparation of Degradable Polymeric Nanoparticles with Various Sizes and Surface Charges from Polycarbonate Block Copolymers. <i>Macromolecular Research</i> , 2019, 27, 1173-1178.	2.4	0
21	Theory-Guided Targeted Delivery of Nanoparticles in Advective Environmental Porous Media. <i>Environmental Science and Technology Letters</i> , 2019, 6, 617-623.	8.7	4
22	Computational Reverse-Engineering Analysis for Scattering Experiments on Amphiphilic Block Polymer Solutions. <i>Journal of the American Chemical Society</i> , 2019, 141, 14916-14930.	13.7	24
23	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.	3.8	6
24	Absorbable hemostatic hydrogels comprising composites of sacrificial templates and honeycomb-like nanofibrous mats of chitosan. <i>Nature Communications</i> , 2019, 10, 2307.	12.8	141
25	Toward the Optimization of Dinitrosyl Iron Complexes as Therapeutics for Smooth Muscle Cells. <i>Molecular Pharmaceutics</i> , 2019, 16, 3178-3187.	4.6	21
26	Assessment of Copper Nanoclusters for Accurate in Vivo Tumor Imaging and Potential for Translation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19669-19678.	8.0	37
27	Experiments and Simulations of Complex Sugar-Based Coilâ€”Brush Block Polymer Nanoassemblies in Aqueous Solution. <i>ACS Nano</i> , 2019, 13, 5147-5162.	14.6	23
28	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . <i>Molecular Pharmaceutics</i> , 2019, 16, 1606-1619.	4.6	22
29	In Situ Production of Ag/Polymer Asymmetric Nanoparticles via a Powerful Light-Driven Technique. <i>Journal of the American Chemical Society</i> , 2019, 141, 19542-19545.	13.7	24
30	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
31	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.	5.4	35
32	Functional, Degradable Zwitterionic Polyphosphoesters as Biocompatible Coating Materials for Metal Nanostructures. <i>Langmuir</i> , 2019, 35, 1503-1512.	3.5	13
33	Organocatalyzed ROP of a Glucopyranoside Derived Five-Membered Cyclic Carbonate. <i>Macromolecules</i> , 2018, 51, 1787-1797.	4.8	52
34	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, 6376.	3.3	13
35	A Vinyl Ether-Functional Polycarbonate as a Template for Multiple Postpolymerization Modifications. <i>Macromolecules</i> , 2018, 51, 3233-3242.	4.8	13
36	Reassessment of nanomaterials immunotoxicity. <i>Nano Today</i> , 2018, 20, 10-12.	11.9	11

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37	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.	13.7	94
38	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.	4.8	19
39	Development of Fully Degradable Phosphonium-Functionalized Amphiphilic Diblock Copolymers for Nucleic Acids Delivery. <i>Biomacromolecules</i> , 2018, 19, 1212-1222.	5.4	23
40	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.	5.9	9
41	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.	13.7	52
42	$\beta$ -Cyclodextrin-Derived Monolithic, Hierarchically Porous Polyimides Designed for Versatile Molecular Separation Applications. <i>Chemistry of Materials</i> , 2018, 30, 6226-6230.	6.7	18
43	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.	4.8	20
44	Functional sugar-based polymers and nanostructures comprised of degradable poly( <i>D</i> -glucose carbonate)s. <i>Polymer Chemistry</i> , 2017, 8, 1699-1707.	3.9	54
45	Polyphosphoramidates That Undergo Acid-Triggered Backbone Degradation. <i>ACS Macro Letters</i> , 2017, 6, 219-223.	4.8	27
46	Synthetic, Functional Thymidine-Derived Polydeoxyribonucleotide Analogues from a Six-Membered Cyclic Phosphoester. <i>Journal of the American Chemical Society</i> , 2017, 139, 5467-5473.	13.7	44
47	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	31
48	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.	2.8	32
49	Monomer design strategies to create natural product-based polymer materials. <i>Natural Product Reports</i> , 2017, 34, 433-459.	10.3	128
50	Design and development of multifunctional polyphosphoester-based nanoparticles for ultrahigh paclitaxel dual loading. <i>Nanoscale</i> , 2017, 9, 15773-15777.	5.6	25
51	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.	4.8	37
52	Crystallization-driven assembly of fully degradable, natural product-based poly(l-lactide)-block-poly( $\beta$ -D-glucose carbonate)s in aqueous solution. <i>Polymer</i> , 2017, 122, 270-279.	3.8	41
53	Functional Polycarbonate of a <i>D</i> -Glucal-Derived Bicyclic Carbonate via Organocatalytic Ring-Opening Polymerization. <i>ACS Macro Letters</i> , 2017, 6, 748-753.	4.8	39
54	Nanomedicine in management of hepatocellular carcinoma: Challenges and opportunities. <i>International Journal of Cancer</i> , 2017, 140, 1475-1484.	5.1	54

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55	Polyphosphoester nanoparticles as biodegradable platform for delivery of multiple drugs and siRNA. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 483-496.	4.3	30
56	Stimuli-Triggered Sol-Gel Transitions of Polypeptides Derived from $\alpha$ -Amino Acid $\alpha$ -Carboxyanhydride (NCA) Polymerizations. <i>Chemistry - an Asian Journal</i> , 2016, 11, 437-447.	3.3	46
57	Polymeric nanoparticles in development for treatment of pulmonary infectious diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 842-871.	6.1	84
58	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 &amp; Interfaces</i> , 2016, 8, 33386-33393.	8.0	10
59	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	29
60	Rapidly-cured isosorbide-based cross-linked polycarbonate elastomers. <i>Polymer Chemistry</i> , 2016, 7, 2639-2644.	3.9	31
61	Gold Nanoclusters Doped with $^{64}\text{Cu}$ for CXCR4 Positron Emission Tomography Imaging of Breast Cancer and Metastasis. <i>ACS Nano</i> , 2016, 10, 5959-5970.	14.6	71
62	Thiol-Ene Elastomers Derived from Biobased Phenolic Acids with Varying Functionality. <i>Macromolecules</i> , 2016, 49, 7737-7748.	4.8	33
63	Four Different Regioisomeric Polycarbonates Derived from One Natural Product, $\alpha$ -D-Glucose. <i>Macromolecules</i> , 2016, 49, 7857-7867.	4.8	28
64	Bio-based polycarbonates derived from the neolignan honokiol. <i>RSC Advances</i> , 2016, 6, 81672-81679.	3.6	11
65	Dynamic Anti-Icing Coatings: Complex, Amphiphilic Hyperbranched Fluoropolymer Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock Materials, 2016, 28, 5471-5479.	6.7	14
66	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.	6.8	27
67	Magnetically-active Pickering emulsions stabilized by hybrid inorganic/organic networks. <i>Soft Matter</i> , 2016, 12, 9342-9354.	2.7	7
68	In Vivo fate tracking of degradable nanoparticles for lung gene transfer using PET and $^{18}\text{F}$ PET imaging. <i>Biomaterials</i> , 2016, 98, 53-63.	11.4	36
69	Reversible photo-patterning of soft conductive materials via spatially-defined supramolecular assembly. <i>Chemical Communications</i> , 2016, 52, 8455-8458.	4.1	13
70	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
71	Examination of radio-opacity enhancing additives in shape memory polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	14
72	A Processable Shape Memory Polymer System for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2015, 4, 1386-1398.	7.6	66

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73	Nanodomain analysis with cluster-SIMS: application to the characterization of macromolecular brush architecture. <i>Surface and Interface Analysis</i> , 2015, 47, 1051-1055.	1.8	2
74	Self-Reporting Degradable Fluorescent Grafted Copolymer Micelles Derived from Biorenewable Resources. <i>ACS Macro Letters</i> , 2015, 4, 645-650.	4.8	29
75	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.	15.6	60
76	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.	4.8	29
77	Imidazolium Salts as Small-Molecule Urinary Bladder Exfoliants in a Murine Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5494-5502.	3.2	14
78	Improving Paclitaxel Delivery: <i>in Vitro</i> and <i>In Vivo</i> Characterization of PEGylated Polyphosphoester-Based Nanocarriers. <i>Journal of the American Chemical Society</i> , 2015, 137, 2056-2066.	13.7	176
79	Preparation and <i>in Vitro</i> Antimicrobial Activity of Silver-Bearing Degradable Polymeric Nanoparticles of Polyphosphoester- <i>block</i> -Poly( <i>l</i> -lactide). <i>ACS Nano</i> , 2015, 9, 1995-2008.	14.6	84
80	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. <i>Nanoscale</i> , 2015, 7, 2265-2270.	5.6	62
81	Polymeric Nanostructures for Imaging and Therapy. <i>Chemical Reviews</i> , 2015, 115, 10967-11011.	47.7	420
82	Facile Synthesis of a Phosphorylcholine-Based Zwitterionic Amphiphilic Copolymer for Anti-Biofouling Coatings. <i>ACS Macro Letters</i> , 2015, 4, 505-510.	4.8	29
83	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	24
84	Investigating the pharmacokinetics and biological distribution of silver-loaded polyphosphoester-based nanoparticles using <sup>111</sup> Ag as a radiotracer. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 234-241.	1.0	21
85	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , 2015, 48, 5621-5631.	4.8	37
86	Synthesis and Physical Properties of Thiol-Ene Networks Utilizing Plant-Derived Phenolic Acids. <i>Macromolecules</i> , 2015, 48, 8418-8427.	4.8	38
87	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.	5.8	32
88	Poly(ethylene oxide)- <i>block</i> -Polyphosphoester- <i>graft</i> -Paclitaxel Conjugates with Acid-Labile Linkages as a pH-Sensitive and Functional Nanoscopic Platform for Paclitaxel Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 441-448.	7.6	129
89	A High-Performance Recycling Solution for Polystyrene Achieved by the Synthesis of Renewable Poly(thioether) Networks Derived from <i>d</i> -Limonene. <i>Advanced Materials</i> , 2014, 26, 1552-1558.	21.0	42
90	Copper-Alloyed Gold Nanoparticles for Cancer Imaging: Improved Radiolabel Stability and Diagnostic Accuracy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 156-159.	13.8	129

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91	Poly(carbonate- <i>co</i> -amide)s Derived from Bio-Based Resources: Poly(ferulic acid- <i>co</i> -tyrosine). <i>Macromolecules</i> , 2014, 47, 2974-2983.	4.8	33
92	Directing Self-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.	3.9	20
93	Hyperbranched Fluoropolymer-Polydimethylsiloxane-Poly(ethylene glycol) Cross-Linked Terpolymer Networks Designed for Marine and Biomedical Applications: Heterogeneous Nontoxic Antibiofouling Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19265-19274.	8.0	72
94	Programmed hydrolysis of nanoassemblies by electrostatic interaction-mediated enzymatic-degradation. <i>Chemical Communications</i> , 2014, 50, 968-970.	4.1	20
95	Photo-cross-linked Poly(thioether- <i>co</i> -carbonate) Networks Derived from the Natural Product Quinic Acid. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17370-17375.	8.0	19
96	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	23
97	Poly(ferulic acid- <i>co</i> -tyrosine): Effect of the Regiochemistry on the Photophysical and Physical Properties en Route to Biomedical Applications. <i>Macromolecules</i> , 2014, 47, 7109-7117.	4.8	16
98	Tunable mechano-responsive organogels by ring-opening copolymerizations of N-carboxyanhydrides. <i>Chemical Science</i> , 2014, 5, 141-150.	7.4	53
99	Recycling: A High-Performance Recycling Solution for Polystyrene Achieved by the Synthesis of Renewable Poly(thioether) Networks Derived from $\alpha$ -Limonene ( <i>Adv. Mater.</i> 10/2014). <i>Advanced Materials</i> , 2014, 26, 1551-1551.	21.0	1
100	Holistic Assessment of Covalently Labeled Core-Shell Polymeric Nanoparticles with Fluorescent Contrast Agents for Theranostic Applications. <i>Langmuir</i> , 2014, 30, 631-641.	3.5	25
101	Supramolecularly Knitted Tethered Oligopeptide/Single-Walled Carbon Nanotube Organogels. <i>Chemistry - A European Journal</i> , 2014, 20, 8842-8847.	3.3	6
102	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.	4.8	64
103	Aldehyde-functional polycarbonates as reactive platforms. <i>Polymer Chemistry</i> , 2014, 5, 3555-3558.	3.9	22
104	Core-Shell Nanoparticles for Biomedical Applications. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 475-517.	0.1	0
105	Efficient Protection and Transfection of Small Interfering RNA by Cationic Shell-Crosslinked Knedel-Like Nanoparticles. <i>Nucleic Acid Therapeutics</i> , 2013, 23, 95-108.	3.6	6
106	Poly(ethylene oxide)-block-polyphosphoester-based paclitaxel conjugates as a platform for ultra-high paclitaxel-loaded multifunctional nanoparticles. <i>Chemical Science</i> , 2013, 4, 2122.	7.4	116
107	Disk-cylinder and disk-sphere nanoparticles via a block copolymer blend solution construction. <i>Nature Communications</i> , 2013, 4, 2297.	12.8	132
108	Robust Magnetic/Polymer Hybrid Nanoparticles Designed for Crude Oil Entrapment and Recovery in Aqueous Environments. <i>ACS Nano</i> , 2013, 7, 7552-7561.	14.6	121

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109	Degradable Cationic Shell Cross-Linked Knedel-like Nanoparticles: Synthesis, Degradation, Nucleic Acid Binding, and <i>In Vitro</i> Evaluation. <i>Biomacromolecules</i> , 2013, 14, 1018-1027.	5.4	35
110	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.	3.3	32
111	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.	4.8	17
112	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.	9.1	43
113	Differential immunotoxicities of poly(ethylene glycol)- vs. poly(carboxybetaine)-coated nanoparticles. <i>Journal of Controlled Release</i> , 2013, 172, 641-652.	9.9	34
114	Shell crosslinked knedel-like nanoparticles for delivery of cisplatin: effects of crosslinking. <i>Nanoscale</i> , 2013, 5, 3220.	5.6	42
115	Shell-crosslinked knedel-like nanoparticles induce lower immunotoxicity than their non-crosslinked analogs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5241.	5.8	26
116	Detection of Living Anionic Species in Polymerization Reactions Using Hyperpolarized NMR. <i>Journal of the American Chemical Society</i> , 2013, 135, 4636-4639.	13.7	60
117	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.	13.7	104
118	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.	2.8	16
119	A Facile Glovebox-Free Strategy To Significantly Accelerate the Syntheses of Well-Defined Polypeptides by <i>N</i> -Carboxyanhydride (NCA) Ring-Opening Polymerizations. <i>Macromolecules</i> , 2013, 46, 4223-4226.	4.8	103
120	<i>In Vitro</i> 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.	4.6	53
121	Cytokines as biomarkers of nanoparticle immunotoxicity. <i>Chemical Society Reviews</i> , 2013, 42, 5552.	38.1	326
122	Synthesis, Characterization, and <i>In Vivo</i> Efficacy of Shell Cross-Linked Nanoparticle Formulations Carrying Silver Antimicrobials as Aerosolized Therapeutics. <i>ACS Nano</i> , 2013, 7, 4977-4987.	14.6	44
123	A Genetically Encoded Acrylamide Functionality. <i>ACS Chemical Biology</i> , 2013, 8, 1664-1670.	3.4	94
124	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.	4.8	77
125	Responsive organogels formed by supramolecular self assembly of PEG-block-allyl-functionalized racemic polypeptides into $\beta$ -sheet-driven polymeric ribbons. <i>Soft Matter</i> , 2013, 9, 5951.	2.7	32
126	Poly( $\alpha$ -D-glucose carbonate) Block Copolymers: A Platform for Natural Product-Based Nanomaterials with Solvothermally Characteristic. <i>Biomacromolecules</i> , 2013, 14, 3346-3353.	5.4	38



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127	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.	4.8	36
128	Antisense peptide nucleic acid-functionalized cationic nanocomplex for <i>in vivo</i> mRNA detection. <i>Interface Focus</i> , 2013, 3, 20120059.	3.0	16
129	Bottom-up/top-down high resolution, high throughput lithography using vertically assembled block bottle brush polymers. , 2013, , .		0
130	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.	0.9	10
131	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.	21.0	24
132	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. <i>Advanced Functional Materials</i> , 2013, 23, 1767-1773.	14.9	68
133	Polycarbonates Derived from Glucose via an Organocatalytic Approach. <i>Journal of the American Chemical Society</i> , 2013, 135, 6826-6829.	13.7	117
134	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, 3313.	3.3	63
135	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.	13.7	117
136	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.	13.7	165
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