

# Karen L Wooley

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

358  
papers

28,947  
citations

89  
h-index

157  
g-index

381  
ext. papers

30,360  
ext. citations

9.2  
avg, IF

7.27  
L-index

#	Paper	IF	Citations
358	Complexities of Regioselective Ring-Opening vs Transcarbonylation-Driven Structural Metamorphosis during Organocatalytic Polymerizations of Five-Membered Cyclic Carbonate Glucose Monomers.. <i>Jacs Au</i> , <b>2022</b> , 2, 515-521		0
357	Nanomaterials and immune system <b>2022</b> , 65-114		
356	Data analysis and interpretation <b>2022</b> , 145-168		
355	Methods for evaluation of the immunomodulatory effects of nanoparticles <b>2022</b> , 115-127		
354	Precautions during evaluation of immunotoxicity of particulate materials <b>2022</b> , 139-143		
353	Polypeptide organic radical batteries. <i>Nature</i> , <b>2021</b> , 593, 61-66	50.4	53
352	Morphologic design of sugar-based polymer nanoparticles for delivery of antidiabetic peptides. <i>Journal of Controlled Release</i> , <b>2021</b> , 334, 1-10	11.7	2
351	Morphologic Design of Silver-Bearing Sugar-Based Polymer Nanoparticles for Uroepithelial Cell Binding and Antimicrobial Delivery. <i>Nano Letters</i> , <b>2021</b> , 21, 4990-4998	11.5	9
350	Multiple analyte profiling (MAP) index as a powerful diagnostic and therapeutic monitoring tool. <i>Methods</i> , <b>2021</b> , 190, 26-32	4.6	0
349	Sustainable synthesis of CO <sub>2</sub> -derived polycarbonates from D-xylose. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 5271-5278	4.9	7
348	Erythrocyte-Membrane-Camouflaged Nanocarriers with Tunable Paclitaxel Release Kinetics via Macromolecular Stereocomplexation <b>2020</b> , 2, 595-601		7
347	Degradable sugar-based magnetic hybrid nanoparticles for recovery of crude oil from aqueous environments. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 4895-4903	4.9	9
346	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> , <b>2020</b> , 58, 204-214	2.4	
345	Hierarchical Self-Assembly of Poly(d-glucose carbonate) Amphiphilic Block Copolymers in Mixed Solvents. <i>Macromolecules</i> , <b>2020</b> , 53, 8581-8591	5.5	8
344	Effects of Glutathione and Histidine on NO Release from a Dimeric Dinitrosyl Iron Complex (DNIC). <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16998-17008	5.1	4
343	A Tale of Drug-Carrier Optimization: Controlling Stimuli Sensitivity via Nanoparticle Hydrophobicity through Drug Loading. <i>Nano Letters</i> , <b>2020</b> , 20, 6563-6571	11.5	7
342	Invoking Side-Chain Functionality for the Mediation of Regioselectivity during Ring-Opening Polymerization of Glucose Carbonates. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16974-16981	16.4	15

341	Preparation of Degradable Polymeric Nanoparticles with Various Sizes and Surface Charges from Polycarbonate Block Copolymers. <i>Macromolecular Research</i> , <b>2019</b> , 27, 1173-1178	1.9	
340	Theory-Guided Targeted Delivery of Nanoparticles in Advective Environmental Porous Media. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 617-623	11	3
339	Computational Reverse-Engineering Analysis for Scattering Experiments on Amphiphilic Block Polymer Solutions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14916-14930	16.4	10
338	Multiplexing techniques for measurement of the immunomodulatory effects of particulate materials: Precautions when testing micro- and nano-particles. <i>Methods</i> , <b>2019</b> , 158, 81-85	4.6	5
337	Absorbable hemostatic hydrogels comprising composites of sacrificial templates and honeycomb-like nanofibrous mats of chitosan. <i>Nature Communications</i> , <b>2019</b> , 10, 2307	17.4	82
336	Toward the Optimization of Dinitrosyl Iron Complexes as Therapeutics for Smooth Muscle Cells. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 3178-3187	5.6	16
335	Assessment of Copper Nanoclusters for Accurate in Vivo Tumor Imaging and Potential for Translation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19669-19678	9.5	30
334	Experiments and Simulations of Complex Sugar-Based Coil-Brush Block Polymer Nanoassemblies in Aqueous Solution. <i>ACS Nano</i> , <b>2019</b> , 13, 5147-5162	16.7	17
333	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 1606-1619	5.6	13
332	Production of Ag/Polymer Asymmetric Nanoparticles via a Powerful Light-Driven Technique. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 19542-19545	16.4	12
331	Construction of nanostructures in aqueous solution from amphiphilic glucose-derived polycarbonates. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 432-440	2.5	3
330	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> , <b>2019</b> , 20, 109-117	6.9	17
329	Functional, Degradable Zwitterionic Polyphosphoesters as Biocompatible Coating Materials for Metal Nanostructures. <i>Langmuir</i> , <b>2019</b> , 35, 1503-1512	4	9
328	Organocatalyzed ROP of a Glucopyranoside Derived Five-Membered Cyclic Carbonate. <i>Macromolecules</i> , <b>2018</b> , 51, 1787-1797	5.5	36
327	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> , <b>2018</b> , 8, 6376	4.9	4
326	A Vinyl Ether-Functional Polycarbonate as a Template for Multiple Postpolymerization Modifications. <i>Macromolecules</i> , <b>2018</b> , 51, 3233-3242	5.5	8
325	Reassessment of nanomaterials immunotoxicity. <i>Nano Today</i> , <b>2018</b> , 20, 10-12	17.9	10
324	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> , <b>2018</b> , 140, 1438-1446	16.4	78

323	Regioisomeric Preference in Ring-Opening Polymerization of 3',5'-Cyclic Phosphoesters of Functional Thymidine DNA Analogues. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 153-158	6.6	16
322	Development of Fully Degradable Phosphonium-Functionalized Amphiphilic Diblock Copolymers for Nucleic Acids Delivery. <i>Biomacromolecules</i> , <b>2018</b> , 19, 1212-1222	6.9	20
321	Acid-Triggered Polymer Backbone Degradation and Disassembly to Achieve Release of Camptothecin from Functional Polyphosphoramidate Nanoparticles. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 783-788	6.6	15
320	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> , <b>2018</b> , 2, 2230-2238	7.8	7
319	Advancing the Development of Highly-Functionalizable Glucose-Based Polycarbonates by Tuning of the Glass Transition Temperature. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16053-16057	16.4	34
318	$\beta$ -Cyclodextrin-Derived Monolithic, Hierarchically Porous Polyimides Designed for Versatile Molecular Separation Applications. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6226-6230	9.6	13
317	Functional sugar-based polymers and nanostructures comprised of degradable poly(D-glucose carbonate)s. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 1699-1707	4.9	44
316	Polyphosphoramidates That Undergo Acid-Triggered Backbone Degradation. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 219-223	6.6	21
315	Synthetic, Functional Thymidine-Derived Polydeoxyribonucleotide Analogues from a Six-Membered Cyclic Phosphoester. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5467-5473	16.4	35
314	Syntheses of triblock bottlebrush polymers through sequential ROMPs: Expanding the functionalities of molecular brushes. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 2966-2970	2.5	28
313	Multi-responsive polypeptide hydrogels derived from N-carboxyanhydride terpolymerizations for delivery of nonsteroidal anti-inflammatory drugs. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 5145-5154	3.9	25
312	Monomer design strategies to create natural product-based polymer materials. <i>Natural Product Reports</i> , <b>2017</b> , 34, 433-459	15.1	101
311	Design and development of multifunctional polyphosphoester-based nanoparticles for ultrahigh paclitaxel dual loading. <i>Nanoscale</i> , <b>2017</b> , 9, 15773-15777	7.7	20
310	Polyphosphoester nanoparticles as biodegradable platform for delivery of multiple drugs and siRNA. <i>Drug Design, Development and Therapy</i> , <b>2017</b> , 11, 483-496	4.4	25
309	Two-Dimensional Controlled Syntheses of Polypeptide Molecular Brushes via $\alpha$ -Carboxyanhydride Ring-Opening Polymerization and Ring-Opening Metathesis Polymerization. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 1031-1035	6.6	30
308	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> , <b>2017</b> , 122, 270-279	3.9	35
307	Functional Polycarbonate of a d-Glucal-Derived Bicyclic Carbonate via Organocatalytic Ring-Opening Polymerization. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 748-753	6.6	26
306	Nanomedicine in management of hepatocellular carcinoma: Challenges and opportunities. <i>International Journal of Cancer</i> , <b>2017</b> , 140, 1475-1484	7.5	42

305	Bio-based polycarbonates derived from the neolignan honokiol. <i>RSC Advances</i> , <b>2016</b> , 6, 81672-81679	3.7	9
304	Dynamic Anti-Icing Coatings: Complex, Amphiphilic Hyperbranched Fluoropolymer Poly(ethylene glycol) Cross-Linked Networks with an Integrated Liquid Crystalline Comonomer. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5471-5479	9.6	11
303	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> , <b>2016</b> , 9, 2135-42	8.3	20
302	Magnetically-active Pickering emulsions stabilized by hybrid inorganic/organic networks. <i>Soft Matter</i> , <b>2016</b> , 12, 9342-9354	3.6	5
301	In vivo fate tracking of degradable nanoparticles for lung gene transfer using PET and Breckov imaging. <i>Biomaterials</i> , <b>2016</b> , 98, 53-63	15.6	30
300	Reversible photo-patterning of soft conductive materials via spatially-defined supramolecular assembly. <i>Chemical Communications</i> , <b>2016</b> , 52, 8455-8	5.8	11
299	Stimuli-Triggered Sol-Gel Transitions of Polypeptides Derived from $\alpha$ -Amino Acid N-Carboxyanhydride (NCA) Polymerizations. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 437-47	4.5	39
298	Polymeric nanoparticles in development for treatment of pulmonary infectious diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2016</b> , 8, 842-871	9.2	60
297	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> , <b>2016</b> , 8, 33386-33393	9.5	10
296	Investigation of intricate, amphiphilic crosslinked hyperbranched fluoropolymers as anti-icing coatings for extreme environments. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 238-244	2.5	27
295	Rapidly-cured isosorbide-based cross-linked polycarbonate elastomers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 2639-2644	4.9	23
294	Gold Nanoclusters Doped with $^{64}\text{Cu}$ for CXCR4 Positron Emission Tomography Imaging of Breast Cancer and Metastasis. <i>ACS Nano</i> , <b>2016</b> , 10, 5959-70	16.7	56
293	Thiolene Elastomers Derived from Biobased Phenolic Acids with Varying Functionality. <i>Macromolecules</i> , <b>2016</b> , 49, 7737-7748	5.5	21
292	Four Different Regioisomeric Polycarbonates Derived from One Natural Product, d-Glucose. <i>Macromolecules</i> , <b>2016</b> , 49, 7857-7867	5.5	23
291	Polymeric Nanostructures for Imaging and Therapy. <i>Chemical Reviews</i> , <b>2015</b> , 115, 10967-10111	68.1	351
290	Facile Synthesis of a Phosphorylcholine-Based Zwitterionic Amphiphilic Copolymer for Anti-Biofouling Coatings. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 505-510	6.6	25
289	Recyclable Hybrid Inorganic/Organic Magnetically Active Networks for the Sequestration of Crude Oil from Aqueous Environments. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3775-3782	9.6	23
288	Investigating the pharmacokinetics and biological distribution of silver-loaded polyphosphoester-based nanoparticles using $(^{111}\text{Ag})$ as a radiotracer. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2015</b> , 58, 234-41	1.9	15

287	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , <b>2015</b> , 48, 5621-5631	5.5	33
286	Synthesis and Physical Properties of ThiolEne Networks Utilizing Plant-Derived Phenolic Acids. <i>Macromolecules</i> , <b>2015</b> , 48, 8418-8427	5.5	30
285	Advanced photoresist technologies by intricate molecular brush architectures: Diblock brush terpolymer-based positive-tone photoresist materials. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 193-199	3.5	11
284	Examination of radio-opacity enhancing additives in shape memory polyurethane foams. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	10
283	A Processable Shape Memory Polymer System for Biomedical Applications. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1386-98	10.1	57
282	Nanodomain analysis with cluster-SIMS: application to the characterization of macromolecular brush architecture. <i>Surface and Interface Analysis</i> , <b>2015</b> , 47, 1051-1055	1.5	2
281	Self-Reporting Degradable Fluorescent Grafted Copolymer Micelles Derived from Biorenewable Resources. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 645-650	6.6	27
280	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> , <b>2015</b> , 48, 1620-30	24.3	48
279	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> , <b>2015</b> , 48, 8797-8805	5.5	25
278	Imidazolium salts as small-molecule urinary bladder exfoliants in a murine model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 5494-502	5.9	11
277	Improving paclitaxel delivery: in vitro and in vivo characterization of PEGylated polyphosphoester-based nanocarriers. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2056-66	16.4	156
276	Preparation and in vitro antimicrobial activity of silver-bearing degradable polymeric nanoparticles of polyphosphoester-block-poly(L-lactide). <i>ACS Nano</i> , <b>2015</b> , 9, 1995-2008	16.7	73
275	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. <i>Nanoscale</i> , <b>2015</b> , 7, 2265-70	7.7	54
274	Poly(carbonate-amide)s Derived from Bio-Based Resources: Poly(ferulic acid--tyrosine). <i>Macromolecules</i> , <b>2014</b> , 47, 2974-2983	5.5	26
273	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> , <b>2014</b> , 35, 437-41	4.8	20
272	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> , <b>2014</b> , 6, 19265-74	9.5	66
271	Programmed hydrolysis of nanoassemblies by electrostatic interaction-mediated enzymatic-degradation. <i>Chemical Communications</i> , <b>2014</b> , 50, 968-70	5.8	18
270	Photo-cross-linked poly(thioether-co-carbonate) networks derived from the natural product quinic acid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17370-5	9.5	15

269	Construction of a versatile and functional nanoparticle platform derived from a helical diblock copolypeptide-based biomimetic polymer. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3977-3981	4.9	20
268	Poly(ferulic acid-tyrosine): Effect of the Regiochemistry on the Photophysical and Physical Properties en Route to Biomedical Applications. <i>Macromolecules</i> , <b>2014</b> , 47, 7109-7117	5.5	14
267	Tunable mechano-responsive organogels by ring-opening copolymerizations of -carboxyanhydrides. <i>Chemical Science</i> , <b>2014</b> , 5,	9.4	46
266	Recycling: A High-Performance Recycling Solution for Polystyrene Achieved by the Synthesis of Renewable Poly(thioether) Networks Derived from d-Limonene (Adv. Mater. 10/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 1551-1551	24	1
265	Holistic assessment of covalently labeled core-shell polymeric nanoparticles with fluorescent contrast agents for theranostic applications. <i>Langmuir</i> , <b>2014</b> , 30, 631-41	4	25
264	Supramolecularly knitted tethered oligopeptide/single-walled carbon nanotube organogels. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8842-7	4.8	4
263	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> , <b>2014</b> , 47, 4634-4644	5.5	61
262	Aldehyde-functional polycarbonates as reactive platforms. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3555-3558	4.9	20
261	Copper-64-Alloyed Gold Nanoparticles for Cancer Imaging: Improved Radiolabel Stability and Diagnostic Accuracy. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 160-163	3.6	13
260	Core-Shell Nanoparticles for Biomedical Applications. <i>Frontiers in Nanobiomedical Research</i> , <b>2014</b> , 475-517		
259	Multi-responsive Hydrogels Derived from the Self-assembly of Tethered Allyl-functionalized Racemic Oligopeptides. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 8123-8130	7.3	29
258	Poly(ethylene oxide)-block-polyphosphoester-graft-paclitaxel conjugates with acid-labile linkages as a pH-sensitive and functional nanoscopic platform for paclitaxel delivery. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 441-8	10.1	110
257	A high-performance recycling solution for polystyrene achieved by the synthesis of renewable poly(thioether) networks derived from D-limonene. <i>Advanced Materials</i> , <b>2014</b> , 26, 1552-8	24	37
256	Copper-64-alloyed gold nanoparticles for cancer imaging: improved radiolabel stability and diagnostic accuracy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 156-9	16.4	114
255	Efficient protection and transfection of small interfering RNA by cationic shell-crosslinked knedel-like nanoparticles. <i>Nucleic Acid Therapeutics</i> , <b>2013</b> , 23, 95-108	4.8	4
254	Poly(ethylene oxide)-polyphosphoester-based Paclitaxel Conjugates as a Platform for Ultra-high Paclitaxel-loaded Multifunctional Nanoparticles. <i>Chemical Science</i> , <b>2013</b> , 4, 2122-2126	9.4	105
253	Disk-cylinder and disk-sphere nanoparticles via a block copolymer blend solution construction. <i>Nature Communications</i> , <b>2013</b> , 4, 2297	17.4	120
252	Robust magnetic/polymer hybrid nanoparticles designed for crude oil entrapment and recovery in aqueous environments. <i>ACS Nano</i> , <b>2013</b> , 7, 7552-61	16.7	106

251	Degradable cationic shell cross-linked knedel-like nanoparticles: synthesis, degradation, nucleic acid binding, and in vitro evaluation. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1018-27	6.9	32
250	PEGylation of cationic, shell-crosslinked-knedel-like nanoparticles modulates inflammation and enhances cellular uptake in the lung. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 912-22	6.2	27
249	A Structural Approach to Establishing a Platform Chemistry for the Tunable, Bulk Electron Beam Cross-Linking of Shape Memory Polymer Systems. <i>Macromolecules</i> , <b>2013</b> , 46, 8905-8916	5.5	15
248	Multifunctional hierarchically assembled nanostructures as complex stage-wise dual-delivery systems for coincidental yet differential trafficking of siRNA and paclitaxel. <i>Nano Letters</i> , <b>2013</b> , 13, 2172-81	4.5	39
247	Differential immunotoxicities of poly(ethylene glycol)- vs. poly(carboxybetaine)-coated nanoparticles. <i>Journal of Controlled Release</i> , <b>2013</b> , 172, 641-52	11.7	31
246	Shell crosslinked knedel-like nanoparticles for delivery of cisplatin: effects of crosslinking. <i>Nanoscale</i> , <b>2013</b> , 5, 3220-5	7.7	38
245	Shell-crosslinked knedel-like nanoparticles induce lower immunotoxicity than their non-crosslinked analogs. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1,	7.3	24
244	Detection of living anionic species in polymerization reactions using hyperpolarized NMR. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4636-9	16.4	55
243	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> , <b>2013</b> , 135, 4203-6	16.4	92
242	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> , <b>2013</b> , 11, 3159-67	3.9	16
241	A facile glovebox-free strategy to significantly accelerate the syntheses of well-defined polypeptides by $\alpha$ -carboxyanhydride (NCA) ring opening polymerizations. <i>Macromolecules</i> , <b>2013</b> , 46, 4223-4226	5.5	86
240	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> , <b>2013</b> , 10, 1092-9	5.6	48
239	Cytokines as biomarkers of nanoparticle immunotoxicity. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 5552-76	58.5	259
238	Synthesis, characterization, and in vivo efficacy of shell cross-linked nanoparticle formulations carrying silver antimicrobials as aerosolized therapeutics. <i>ACS Nano</i> , <b>2013</b> , 7, 4977-87	16.7	40
237	A genetically encoded acrylamide functionality. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1664-70	4.9	85
236	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> , <b>2013</b> , 46, 5141-5149	5.5	62
235	Responsive organogels formed by supramolecular self assembly of PEG--allyl-functionalized racemic polypeptides into $\beta$ -sheet-driven polymeric ribbons. <i>Soft Matter</i> , <b>2013</b> , 9, 5951-5958	3.6	27
234	Poly(D-glucose carbonate) block copolymers: a platform for natural product-based nanomaterials with Solvothermally characterized characteristics. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3346-53	6.9	31



233	Construction of a Reactive Diblock Copolymer, Polyphosphoester-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> , <b>2013</b> , 2,	6.6	31
232	Antisense peptide nucleic acid-functionalized cationic nanocomplex for in vivo mRNA detection. <i>Interface Focus</i> , <b>2013</b> , 3, 20120059	3.9	14
231	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> , <b>2013</b> , 12, 043006	0.7	8
230	Polyphosphoester-based cationic nanoparticles serendipitously release integral biologically-active components to serve as novel degradable inducible nitric oxide synthase inhibitors. <i>Advanced Materials</i> , <b>2013</b> , 25, 5609-14	2.4	20
229	Hierarchical Assembly of Complex Block Copolymer Nanoparticles into Multicompartment Superstructures through Tunable Interparticle Associations. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1767-1773	15.6	65
228	Polycarbonates derived from glucose via an organocatalytic approach. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6826-9	16.4	95
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