

Kunlun Hong

List of Publications by Year in descending order

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243
papers

10,626
citations

41344

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38395

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times ranked

14270
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver salt enabled H/D exchange at the $\hat{2}$ -position of thiophene rings: synthesis of fully deuterated thiophene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1176-1180.	2.8	4
2	Variable-Temperature Scattering and Spectroscopy Characterizations for Temperature-Dependent Solution Assembly of PffBT4T-Based Conjugated Polymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3023-3033.	4.4	14
3	Ion Pairing and Molecular Orientation at Liquid/Liquid Interfaces: Self-Assembly and Function. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2316-2323.	2.6	12
4	Squeezing Out Interfacial Solvation: The Role of Hydrogen-Bonding in the Structural and Orientational Freedom of Molecular Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2273-2280.	4.6	7
5	Small angle scattering of diblock copolymers profiled by machine learning. <i>Journal of Chemical Physics</i> , 2022, 156, 131101.	3.0	3
6	Ion Atmosphere of Wormlike Micelles Profiled by Contrast Variation Small-Angle Neutron Scattering. <i>ACS Macro Letters</i> , 2022, 11, 66-71.	4.8	0
7	Effect of Polymer Topology on Microstructure, Segmental Dynamics, and Ionic Conductivity in PEO/PMMA-Based Solid Polymer Electrolytes. <i>ACS Applied Polymer Materials</i> , 2022, 4, 179-190.	4.4	14
8	Effect of microstructure on chain flexibility and glass transition temperature of polybenzofulvene. <i>Polymer</i> , 2021, 212, 123276.	3.8	2
9	Kinetically Controlled Formation of Semi-crystalline Conjugated Polymer Nanostructures. <i>Macromolecules</i> , 2021, 54, 2162-2177.	4.8	1
10	Synthesis of Multideuterated (Hetero)aryl Bromides by Ag(I)-Catalyzed H/D Exchange. <i>Organic Letters</i> , 2021, 23, 1554-1560.	4.6	17
11	Quantification of Deformation-Induced Concentration Fluctuations in Polymeric Liquids by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2021, 54, 3531-3542.	4.8	3
12	A practical and efficient method for late-stage deuteration of terminal alkynes with silver salt as catalyst. <i>Tetrahedron Letters</i> , 2021, 66, 152807.	1.4	13
13	Deuteration and Polymers: Rich History with Great Potential. <i>Macromolecules</i> , 2021, 54, 3555-3584.	4.8	31
14	Biosynthesis and characterization of deuterated chitosan in filamentous fungus and yeast. <i>Carbohydrate Polymers</i> , 2021, 257, 117637.	10.2	8
15	C $\hat{6}$ H Bond Functionalization of (Hetero)aryl Bromide Enabled Synthesis of Brominated Biaryl Compounds. <i>Organic Letters</i> , 2021, 23, 5626-5630.	4.6	7
16	Ion Pairing Mediates Molecular Organization Across Liquid/Liquid Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33734-33743.	8.0	13
17	Spatial correlations of entangled polymer dynamics. <i>Physical Review E</i> , 2021, 104, 024503.	2.1	5
18	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 191-202.	2.6	8

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19	Influence of NaCl on shape deformation of polymersomes. <i>Soft Matter</i> , 2021, 17, 4452-4463.	2.7	8
20	Polymer, Additives, and Processing Effects on N95 Filter Performance. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1022-1031.	4.4	21
21	Mapping the Interfacial Chemistry and Structure of Partially Fluorinated Bottlebrush Polymers and Their Linear Analogues. <i>Langmuir</i> , 2021, 37, 211-218.	3.5	5
22	Strain-Induced Nanocavitation in Block Copolymer Thin Films for High Performance Filtration Membranes. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5666-5673.	4.4	3
23	Effects of Asymmetric Molecular Architecture on Chain Stretching and Dynamics in Miktoarm Star Copolymers. <i>Macromolecules</i> , 2021, 54, 183-194.	4.8	4
24	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 1-12.	2.6	2
25	On-surface cyclodehydrogenation reaction pathway determined by selective molecular deuterations. <i>Chemical Science</i> , 2021, 12, 15637-15644.	7.4	11
26	Structures of Partially Fluorinated Bottlebrush Polymers in Thin Films. <i>ACS Applied Polymer Materials</i> , 2020, 2, 209-219.	4.4	7
27	The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). <i>Polymer Chemistry</i> , 2020, 11, 517-526.	3.9	33
28	Structure and dynamics of lipid membranes interacting with antivirulence end-phosphorylated polyethylene glycol block copolymers. <i>Soft Matter</i> , 2020, 16, 983-989.	2.7	10
29	Insight into the Mechanisms Driving the Self-Assembly of Functional Interfaces: Moving from Lipids to Charged Amphiphilic Oligomers. <i>Journal of the American Chemical Society</i> , 2020, 142, 290-299.	13.7	27
30	Determining population densities in bimodal micellar solutions using contrast-variation small angle neutron scattering. <i>Journal of Chemical Physics</i> , 2020, 153, 184902.	3.0	3
31	Decoupling Poly(3-alkylthiophenes)â€™ Backbone and Side-Chain Conformation by Selective Deuteration and Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 11142-11152.	4.8	26
32	Giant isotope effect on phonon dispersion and thermal conductivity in methylammonium lead iodide. <i>Science Advances</i> , 2020, 6, eaaz1842.	10.3	17
33	Influence of Added Salt on Chain Conformations in Poly(ethylene oxide) Melts: SANS Analysis with Complications. <i>Macromolecules</i> , 2020, 53, 7141-7149.	4.8	24
34	Ag(¹⁰⁷ Ag)-Mediated hydrogen isotope exchange of mono-fluorinated (hetero)arenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6627-6633.	2.8	16
35	Interfacial Jamming: A Cast Net Thrown onto an Interface: Wrapping 3D Objects with an Interfacially Jammed Amphiphilic Sheet (<i>Adv. Mater. Interfaces</i> 7/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070039.	3.7	0
36	Quantitative examination of a fundamental assumption in small-angle neutron scattering studies of deformed polymer melts. <i>Polymer</i> , 2020, 204, 122698.	3.8	7

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37	Design and performance of a superconducting neutron resonance spin flipper. Review of Scientific Instruments, 2020, 91, 015117.	1.3	10
38	A Cast Net Thrown onto an Interface: Wrapping 3D Objects with an Interfacially Jammed Amphiphilic Sheet. Advanced Materials Interfaces, 2020, 7, 1901751.	3.7	1
39	Chain arrangements of selectively deuterated poly(μ -caprolactone) copolymers as revealed by neutron scattering. Polymer, 2020, 193, 122375.	3.8	4
40	Engineering Edge States of Graphene Nanoribbons for Narrow-Band Photoluminescence. ACS Nano, 2020, 14, 5090-5098.	14.6	27
41	Ag ₂ CO ₃ -Catalyzed H/D Exchange of Five-Membered Heteroarenes at Ambient Temperature. Organic Letters, 2019, 21, 6745-6749.	4.6	26
42	Dynamic Equivalence between Soft Star Polymers and Hard Spheres. ACS Macro Letters, 2019, 8, 1467-1473.	4.8	5
43	Helium Ion Microscopy Imaging of Bottlebrush Copolymers. Microscopy and Microanalysis, 2019, 25, 908-909.	0.4	0
44	Elucidating the impact of extreme nanoscale confinement on segmental and chain dynamics of unentangled poly(cis-1,4-isoprene). European Physical Journal E, 2019, 42, 137.	1.6	3
45	Ab initio investigation of the cyclodehydrogenation process for polyanthrylene transformation to graphene nanoribbons. Npj Computational Materials, 2019, 5, .	8.7	9
46	High-color-purity and efficient solution-processable blue phosphorescent light-emitting diodes with Pt(π) complexes featuring ³ ππ* transitions. Materials Chemistry Frontiers, 2019, 3, 2448-2454.	5.9	36
47	Step edge-mediated assembly of periodic arrays of long graphene nanoribbons on Au(111). Chemical Communications, 2019, 55, 11848-11851.	4.1	14
48	Additive solution deposition of multi-layered semiconducting polymer films for design of sophisticated device architectures. Journal of Materials Chemistry C, 2019, 7, 953-960.	5.5	10
49	Alternating crystalline lamellar structures from thermodynamically miscible poly(μ -caprolactone) H/D blends. Polymer, 2019, 175, 320-328.	3.8	5
50	Roll-to-Roll Scalable Production of Ordered Microdomains through Nonvolatile Additive Solvent Annealing of Block Copolymers. Macromolecules, 2019, 52, 5026-5032.	4.8	11
51	Cascade alkylation and deuteration with aryl iodides <i>via</i> Pd/norbornene catalysis: an efficient method for the synthesis of congested deuterium-labeled arenes. Chemical Communications, 2019, 55, 8567-8570.	4.1	13
52	Intramolecular Catalyst Transfer over Sterically Hindered Arenes in Suzuki Cross-Coupling Reactions. Asian Journal of Organic Chemistry, 2019, 8, 1506-1512.	2.7	3
53	Isotope Effects on the Crystallization Kinetics of Selectively Deuterated Poly(μ -Caprolactone). Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 771-779.	2.1	9
54	Recent advances in thermoplastic elastomers from living polymerizations: Macromolecular architectures and supramolecular chemistry. Progress in Polymer Science, 2019, 95, 1-31.	24.7	186

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55	Challenge and Solution of Characterizing Glass Transition Temperature for Conjugated Polymers by Differential Scanning Calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1635-1644.	2.1	27
56	Design of Atomically Precise Nanoscale Negative Differential Resistance Devices. Advanced Theory and Simulations, 2019, 2, 1800172.	2.8	18
57	Side chain dynamics in semiconducting polymer MEHâ€PPV. Journal of Applied Polymer Science, 2019, 136, 47394.	2.6	3
58	Direct writing of heterostructures in single atomically precise graphene nanoribbons. Physical Review Materials, 2019, 3, .	2.4	18
59	Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. Physical Review Letters, 2018, 120, 086602.	7.8	32
60	Stimuli-responsive fiber-like micelles from the self-assembly of well-defined rod-coil block copolymer. European Polymer Journal, 2018, 103, 304-311.	5.4	9
61	Formation of stretched fibrils and nanohybrid shish-kebabs in isotactic polypropylene-based nanocomposites by application of a dynamic oscillatory shear. Chemical Engineering Journal, 2018, 348, 546-556.	12.7	33
62	Controlled synthesis of <i>ortho</i>, <i>para</i>-alternating linked polyarenes <i>via</i> catalyst-transfer Suzuki coupling polymerization. Polymer Chemistry, 2018, 9, 3342-3346.	3.9	9
63	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. Nano Letters, 2018, 18, 2525-2529.	9.1	37
64	All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. Polymer Chemistry, 2018, 9, 160-168.	3.9	18
65	Dynamic properties of different liquid states in systems with competing interactions studied with lysozyme solutions. Soft Matter, 2018, 14, 8570-8579.	2.7	12
66	Selectively Deuterated Poly(Îµ-caprolactone)s: Synthesis and Isotope Effects on the Crystal Structures and Properties. Macromolecules, 2018, 51, 9393-9404.	4.8	20
67	Self-Powered Fast Brazing of Ti-6Al-4V Using Ni/Al Reactive Multilayer Films. Applied Sciences (Switzerland), 2018, 8, 985.	2.5	10
68	Preparation of Thick Ni/Al Reactive Multilayer Films and Prospective Use for Self-Powered Brazing of Ti-6Al-4V. , 2018, , .		0
69	Studies on the 3-Lamellar Morphology of Miktoarm Terpolymers. Macromolecules, 2018, 51, 7491-7499.	4.8	14
70	Molecular reorganization in bulk bottlebrush polymers: direct observation <i>via</i> nanoscale imaging. Nanoscale, 2018, 10, 18001-18009.	5.6	14
71	Scaling Behavior of Anisotropy Relaxation in Deformed Polymers. Physical Review Letters, 2018, 121, 117801.	7.8	13
72	Single-step process to improve the mechanical properties of carbon nanotube yarn. Beilstein Journal of Nanotechnology, 2018, 9, 545-554.	2.8	7

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73	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High- P - N Conditions. <i>Macromolecules</i> , 2018, 51, 6967-6975.	4.8	10
74	Dynamics in the Plastic Crystalline Phases of Cyclohexanol and Cyclooctanol Studied by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6296-6304.	2.6	1
75	Impact of Molecular Architecture on Dynamics of Miktoarm Star Copolymers. <i>Macromolecules</i> , 2018, 51, 5401-5408.	4.8	5
76	Infrared and multi-wavelength Raman spectroscopy of regio-regular P3HT and its deuterio derivatives. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 569-580.	2.5	16
77	Oxidization stability of atomically precise graphene nanoribbons. <i>Physical Review Materials</i> , 2018, 2, .	2.4	25
78	Improving mechanical properties of carbon nanotube fibers through simultaneous solid-state cycloaddition and crosslinking. <i>Nanotechnology</i> , 2017, 28, 145603.	2.6	25
79	Poly(ethylene glycol)s in Semidilute Regime: Radius of Gyration in the Bulk and Partitioning into a Nanopore. <i>Macromolecules</i> , 2017, 50, 2477-2483.	4.8	24
80	Synthetic control of the size, shape, and polydispersity of anisotropic silica colloids. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 45-53.	9.4	25
81	Regioselective Baeyer-Villiger oxidation of lignin model compounds with tin beta zeolite catalyst and hydrogen peroxide. <i>RSC Advances</i> , 2017, 7, 25987-25997.	3.6	35
82	Controllable conversion of quasi-freestanding polymer chains to graphene nanoribbons. <i>Nature Communications</i> , 2017, 8, 14815.	12.8	58
83	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene- <i>b</i> -1,3-cyclohexadiene) Copolymers. <i>Macromolecules</i> , 2017, 50, 2354-2363.	4.8	5
84	Paramagnetic Properties of Metal-Free Boron-Doped Graphene Quantum Dots and Their Application for Safe Magnetic Resonance Imaging. <i>Advanced Materials</i> , 2017, 29, 1605416.	21.0	112
85	2-Isopropenyl-2-oxazoline: Well-Defined Homopolymers and Block Copolymers via Living Anionic Polymerization. <i>Macromolecules</i> , 2017, 50, 54-62.	4.8	19
86	Determination of active layer morphology in all-polymer photovoltaic cells. <i>Journal of Applied Crystallography</i> , 2017, 50, 1289-1298.	4.5	0
87	Bicontinuous structured liquids with sub-micrometre domains using nanoparticle surfactants. <i>Nature Nanotechnology</i> , 2017, 12, 1060-1063.	31.5	137
88	Solution properties, unperturbed dimensions, and chain flexibility of poly(1-adamantyl acrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1526-1531.	2.1	7
89	Deuteration as a Means to Tune Crystallinity of Conducting Polymers. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4333-4340.	4.6	16
90	All acrylic-based thermoplastic elastomers with high upper service temperature and superior mechanical properties. <i>Polymer Chemistry</i> , 2017, 8, 5741-5748.	3.9	34

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91	Seamless Staircase Electrical Contact to Semiconducting Graphene Nanoribbons. Nano Letters, 2017, 17, 6241-6247.	9.1	64
92	Fingerprinting Molecular Relaxation in Deformed Polymers. Physical Review X, 2017, 7, .	8.9	41
93	Quantitative Measurements of the Temperature-Dependent Microscopic and Macroscopic Dynamics of a Molecular Dopant in a Conjugated Polymer. Macromolecules, 2017, 50, 5476-5489.	4.8	44
94	Chemical and charge transfer studies on interfaces of a conjugated polymer and ITO. , 2017, , .		0
95	Diblock copolymers of polystyrene- <i>b</i> -poly(1,3-cyclohexadiene) exhibiting unique three-phase microdomain morphologies. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1564-1572.	2.1	5
96	Carbon nanotube-templated assembly of regioregular poly(3-alkylthiophene) in solution. , 2016, , .		0
97	Poly(1-adamantyl acrylate): Living Anionic Polymerization, Block Copolymerization, and Thermal Properties. Macromolecules, 2016, 49, 9406-9414.	4.8	32
98	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. Macromolecules, 2016, 49, 2646-2655.	4.8	39
99	Assembly of polythiophenes on responsive polymer microgels for the highly selective detection of ammonia gas. Polymer Chemistry, 2016, 7, 3179-3188.	3.9	7
100	Thermoreversible Morphology and Conductivity of a Conjugated Polymer Network Embedded in Block Copolymer Self-Assemblies. Small, 2016, 12, 4857-4864.	10.0	5
101	Spatial Distributions of Guest Molecule and Hydration Level in Dendrimer-Based Guest-Host Complex. ACS Macro Letters, 2016, 5, 1004-1008.	4.8	4
102	Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435.	3.5	28
103	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. Chemistry - A European Journal, 2016, 22, 14073-14073.	3.3	3
104	One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. Carbon, 2016, 109, 640-649.	10.3	125
105	Reduction-Triggered Self-Assembly of Nanoscale Molybdenum Oxide Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 10623-10629.	13.7	31
106	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. Chemistry - A European Journal, 2016, 22, 14131-14136.	3.3	6
107	Dielectric and Mechanical Investigations on the Hydrophilicity and Hydrophobicity of Polyethylene Oxide Modified on a Silicon Surface. Langmuir, 2016, 32, 11395-11404.	3.5	2
108	Helical Poly(5-alkyl-2,3-thiophene)s: Controlled Synthesis and Structure Characterization. Macromolecules, 2016, 49, 4691-4698.	4.8	23

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109	<i>t</i> -Bu ₃ P-Coordinated 2-Phenylaniline-Based Palladacycle Complex/ArBr as Robust Initiators for Controlled Pd(0)/ <i>t</i> -Bu ₃ P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers. ACS Macro Letters, 2016, 5, 656-660.	4.8	35
110	Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. Polymer Chemistry, 2016, 7, 680-688.	3.9	37
111	X-ray and Neutron Scattering Study of the Formation of Core-Shell-Type Polyoxometalates. Journal of the American Chemical Society, 2016, 138, 2638-2643.	13.7	49
112	Kinetics of temperature response of PEO-b-PNIPAM-b-PAA triblock terpolymer aggregates and of their complexes with lysozyme. Polymer, 2016, 83, 111-115.	3.8	12
113	Dynamics of Water Associated with Lithium Ions Distributed in Polyethylene Oxide. Physical Review Letters, 2015, 115, 198301.	7.8	14
114	Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. Physical Review Letters, 2015, 115, 228302.	7.8	58
115	Poly(styrene-graft-hyperbranched polyglycidol): synthesis and solution behavior of a hyperbranched polyelectrolyte. RSC Advances, 2015, 5, 5611-5616.	3.6	2
116	Controlled Pd(0)/ <i>t</i> -Bu ₃ P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with ArPd(<i>t</i> -Bu ₃ P) ₂ X or Pd ₂ (dba) ₃ / <i>t</i> -Bu ₃ P/ArX as the Initiator. Macromolecules, 2015, 48, 967-978.	4.8	48
117	Palladium-catalyzed Br/D exchange of arenes: selective deuterium incorporation with versatile functional group tolerance and high efficiency. Organic Chemistry Frontiers, 2015, 2, 1071-1075.	4.5	22
118	Correlating high power conversion efficiency of PTB7:PC ₇₁ BM inverted organic solar cells with nanoscale structures. Nanoscale, 2015, 7, 15576-15583.	5.6	54
119	Nanostructure enhanced ionic transport in fullerene reinforced solid polymer electrolytes. Physical Chemistry Chemical Physics, 2015, 17, 8266-8275.	2.8	13
120	Magnetic/NIR-responsive drug carrier, multicolor cell imaging, and enhanced photothermal therapy of gold capped magnetite-fluorescent carbon hybrid nanoparticles. Nanoscale, 2015, 7, 7885-7895.	5.6	56
121	All-Acrylic Multigraft Copolymers: Effect of Side Chain Molecular Weight and Volume Fraction on Mechanical Behavior. Industrial & Engineering Chemistry Research, 2015, 54, 9566-9576.	3.7	24
122	Accessing conjugated polymers with precisely controlled heterobisfunctional chain ends via post-polymerization modification of the OTf group and controlled Pd(0)/ <i>t</i> -Bu ₃ P-catalyzed Suzuki cross-coupling polymerization. Chemical Communications, 2015, 51, 14869-14872.	4.1	21
123	Controlling molecular ordering in solution-state conjugated polymers. Nanoscale, 2015, 7, 15134-15141.	5.6	15
124	Nanoarchitectonics of Molecular Aggregates: Science and Technology. Journal of Nanoscience and Nanotechnology, 2014, 14, 390-401.	0.9	35
125	<i>t</i> -Bu ₃ P-Coordinated 2-Phenylaniline-Based Palladacycle Complexes as Precatalyst for Pd-Catalyzed Coupling Reactions of Aryl Halides with Polyfluoroarenes by a C-H Activation Strategy. European Journal of Organic Chemistry, 2014, 2014, 1327-1332.	2.4	24
126	Magnetic iron oxide-fluorescent carbon dots integrated nanoparticles for dual-modal imaging, near-infrared light-responsive drug carrier and photothermal therapy. Biomaterials Science, 2014, 2, 915-923.	5.4	134

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127	Design of superionic polymers—New insights from Walden plot analysis. <i>Solid State Ionics</i> , 2014, 262, 782-784.	2.7	54
128	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. <i>Nature Communications</i> , 2014, 5, 3180.	12.8	103
129	Multifunctional 1D Magnetic and Fluorescent Nanoparticle Chains for Enhanced MRI, fluorescent Cell Imaging, And Combined Photothermal/Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15309-15317.	8.0	51
130	Atomistic Structure of Bottlebrush Polymers: Simulations and Neutron Scattering Studies. <i>Macromolecules</i> , 2014, 47, 5808-5814.	4.8	42
131	Examination of the fundamental relation between ionic transport and segmental relaxation in polymer electrolytes. <i>Polymer</i> , 2014, 55, 4067-4076.	3.8	136
132	Influence of Molecular Solvation on the Conformation of Star Polymers. <i>ACS Macro Letters</i> , 2014, 3, 458-461.	4.8	1
133	Structural Evolution of Polylactide Molecular Bottlebrushes: Kinetics Study by Size Exclusion Chromatography, Small Angle Neutron Scattering, and Simulations. <i>ACS Macro Letters</i> , 2014, 3, 862-866.	4.8	26
134	Inter-particle correlations in a hard-sphere colloidal suspension with polymer additives investigated by Spin Echo Small Angle Neutron Scattering (SESANS). <i>Soft Matter</i> , 2014, 10, 3016-3026.	2.7	26
135	Morphologies of ABC Triblock Terpolymer Melts Containing Poly(Cyclohexadiene): Effects of Conformational Asymmetry. <i>Langmuir</i> , 2013, 29, 1995-2006.	3.5	23
136	Small-Angle Neutron Scattering Analysis of Bottlebrush Polymers Prepared via Grafting-Through Polymerization. <i>Macromolecules</i> , 2013, 46, 6998-7005.	4.8	136
137	High-performance polymer photovoltaics based on rationally designed fullerene acceptors. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 171-178.	6.2	25
138	Building triangular nanoprisms from the bottom-up: a polyelectrolyte micellar approach. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4212.	5.8	10
139	Multifunctional PEG encapsulated Fe ₃ O ₄ @silver hybrid nanoparticles: antibacterial activity, cell imaging and combined photothermo/chemo-therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6225.	5.8	52
140	Temperature-induced phase-transitions of methoxyoligo(oxyethylene) styrene-based block copolymers in aqueous solution. <i>Soft Matter</i> , 2013, 9, 8897.	2.7	7
141	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13426.	10.3	5
142	Porous Carbon Protected Magnetite and Silver Hybrid Nanoparticles: Morphological Control, Recyclable Catalysts, and Multicolor Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9446-9453.	8.0	54
143	<i>t</i> -Bu ₃ P-Coordinated 2-Phenylaniline-Based Palladacycle Complex as a Precatalyst for the Suzuki Cross-Coupling Polymerization of Aryl Dibromides with Aryldiboronic Acids. <i>ACS Macro Letters</i> , 2013, 2, 10-13.	4.8	28
144	Solvent quality-induced nucleation and growth of parallelepiped nanorods in dilute poly(3-hexylthiophene) (P3HT) solution and the impact on the crystalline morphology of solution-cast thin film. <i>CrystEngComm</i> , 2013, 15, 1114-1124.	2.6	51

145	Anomalous High Ionic Conductivity of Nanoporous Li^{2+} - PS^{4+} . Journal of the American Chemical Society, 2013, 135, 975-978.	13.7	709
146	Equilibrium structure of a triblock copolymer system revealed by mesoscale simulation and neutron scattering. Physica B: Condensed Matter, 2013, 430, 87-94.	2.7	2
147	Charge-Dependent Dynamics of a Polyelectrolyte Dendrimer and Its Correlation with Invasive Water. Journal of the American Chemical Society, 2013, 135, 5111-5117.	13.7	12
148	A water-soluble polythiophene for organic field-effect transistors. Polymer Chemistry, 2013, 4, 5270.	3.9	78
149	Correlation of polymeric compatibilizer structure to its impact on the morphology and function of P3HT:PCBM bulk heterojunctions. Journal of Materials Chemistry A, 2013, 1, 5309.	10.3	33
150	Morphological origin for the stratification of P3HT:PCBM blend film studied by neutron reflectometry. Applied Physics Letters, 2013, 103, .	3.3	14
151	Structural response of polyelectrolyte dendrimer towards molecular protonation: the inconsistency revealed by SANS and NMR. Journal of Physics Condensed Matter, 2012, 24, 064116.	1.8	10
152	Coherent dynamics of <i>meta</i> -toluidine investigated by quasielastic neutron scattering. Journal of Chemical Physics, 2012, 136, 104502.	3.0	21
153	Excited-State Dynamics of Water-Soluble Polythiophene Derivatives: Temperature and Side-Chain Length Effects. Journal of Physical Chemistry B, 2012, 116, 14451-14460.	2.6	20
154	Structured water in polyelectrolyte dendrimers: Understanding small angle neutron scattering results through atomistic simulation. Journal of Chemical Physics, 2012, 136, 144901.	3.0	21
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