Kunlun Hong

List of Publications by Year
in descending order

243 papers	10,626 citations	41344 49 h-index	38395 95 g-index
253 all docs	253 docs citations	253 times ranked	14270 citing authors

#	Article	IF	Citations
1	Synthesis of a Large-Scale Highly Ordered Porous Carbon Film by Self-Assembly of Block Copolymers. Angewandte Chemie - International Edition, 2004, 43, 5785-5789.	13.8	770
2	Anomalous High Ionic Conductivity of Nanoporous Î²-Li₃PS₄. Journal of the American Chemical Society, 2013, 135, 975-978.	13.7	709
3	Rationally tuned micropores within enantiopure metal-organic frameworks for highly selective separation of acetylene and ethylene. Nature Communications, 2011, 2, 204.	12.8	504
4	Surface Interactions and Quantum Kinetic Molecular Sieving for H₂ and D₂ Adsorption on a Mixed Metalâ^'Organic Framework Material. Journal of the American Chemical Society, 2008, 130, 6411-6423.	13.7	437
5	Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. Nano Letters, 2011, 11, 3707-3713.	9.1	415
6	Interplay of Metalloligand and Organic Ligand to Tune Micropores within Isostructural Mixed-Metal Organic Frameworks (Mâ€²MOFs) for Their Highly Selective Separation of Chiral and Achiral Small Molecules. Journal of the American Chemical Society, 2012, 134, 8703-8710.	13.7	326
7	Stabilization of cationic liposome-plasmid DNA complexes by polyamines and poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.8	297
8	Recent advances in thermoplastic elastomers from living polymerizations: Macromolecular architectures and supramolecular chemistry. Progress in Polymer Science, 2019, 95, 1-31.	24.7	186
9	Cationic Liposomes Coated with Polyethylene Glycol As Carriers for Oligonucleotides. Journal of Biological Chemistry, 1998, 273, 15621-15627.	3.4	183
10	Conventional free radical polymerization in room temperature ionic liquids: a green approach to commodity polymers with practical advantages. Chemical Communications, 2002, , 1368-1369.	4.1	167
11	Synthesis of Block Copolymers of Styrene and Methyl Methacrylate by Conventional Free Radical Polymerization in Room Temperature Ionic Liquids. Macromolecules, 2002, 35, 5738-5741.	4.8	158
12	Lysozyme Protein Solution with an Intermediate Range Order Structure. Journal of Physical Chemistry B, 2011, 115, 7238-7247.	2.6	147
13	Decoupling of Ionic Transport from Segmental Relaxation in Polymer Electrolytes. Physical Review Letters, 2012, 108, 088303.	7.8	139
14	Bicontinuous structured liquids with sub-micrometre domains using nanoparticle surfactants. Nature Nanotechnology, 2017, 12, 1060-1063.	31.5	137
15	Small-Angle Neutron Scattering Analysis of Bottlebrush Polymers Prepared via Grafting-Through Polymerization. Macromolecules, 2013, 46, 6998-7005.	4.8	136
16	Examination of the fundamental relation between ionic transport and segmental relaxation in polymer electrolytes. Polymer, 2014, 55, 4067-4076.	3.8	136
17	Formation of the Dynamic Clusters in Concentrated Lysozyme Protein Solutions. Journal of Physical Chemistry Letters, 2010, 1, 126-129.	4.6	135
18	Magnetic iron oxideâ€“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

#	Article	IF	Citations
19	One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. Carbon, 2016, 109, 640-649.	10.3	125
20	High-Performance Field-Effect Transistors Based on Polystyrene-b-Poly(3-hexylthiophene) Diblock Copolymers. ACS Nano, 2011, 5, 3559-3567.	14.6	122
21	Polythiophene-block-polyfluorene and Polythiophene-block-poly(fluorene-co-benzothiadiazole): Insights into the Self-Assembly of All-Conjugated Block Copolymers. Macromolecules, 2011, 44, 530-539.	4.8	120
22	Paramagnetic Properties of Metalâ€Free Boronâ€Doped Graphene Quantum Dots and Their Application for Safe Magnetic Resonance Imaging. Advanced Materials, 2017, 29, 1605416.	21.0	112
23	PSâ€bâ€P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. Advanced Materials, 2011, 23, 5529-5535.	21.0	110
24	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. Nature Communications, 2014, 5, 3180.	12.8	103
25	Ultrastructural characterization of cationic liposome-DNA complexes showing enhanced stability in serum and high transfection activity in vivo. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1375, 23-35.	2.6	100
26	Fluorescent-Dye-Doped Solâ^'Gel Sensor for Highly Sensitive Carbon Dioxide Gas Detection below Atmospheric Concentrations. Analytical Chemistry, 2010, 82, 593-600.	6.5	98
27	Multi-functional core-shell hybrid nanogels for pH-dependent magnetic manipulation, fluorescent pH-sensing, and drug delivery. Biomaterials, 2011, 32, 9876-9887.	11.4	96
28	Controlled Pd(0)/t-Bu₃P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with PhPd(t-Bu₃P)I or Pd₂(dba)₃/t-Bu₃P/ArI as the Initiator. Journal of the American Chemical Society, 2012, 134, 13156-13159.	13.7	89
29	Structural Investigation of PAMAM Dendrimers in Aqueous Solutions Using Small-Angle Neutron Scattering: Effect of Generation. Journal of Physical Chemistry B, 2008, 112, 14772-14778.	2.6	84
30	Triple Framework Interpenetration and Immobilization of Open Metal Sites within a Microporous Mixed Metalâ€"Organic Framework for Highly Selective Gas Adsorption. Inorganic Chemistry, 2012, 51, 4947-4953.	4.0	83
31	Enhanced Performance Consistency in Nanoparticle/TIPS Pentaceneâ€Based Organic Thin Film Transistors. Advanced Functional Materials, 2011, 21, 3617-3623.	14.9	81
32	The Conformation of the Poly(ethylene glycol) Chain in Mono-PEGylated Lysozyme and Mono-PEGylated Human Growth Hormone. Bioconjugate Chemistry, 2011, 22, 2317-2323.	3.6	80
33	A water-soluble polythiophene for organic field-effect transistors. Polymer Chemistry, 2013, 4, 5270.	3.9	78
34	Living anionic polymerization. Current Opinion in Solid State and Materials Science, 1999, 4, 531-538.	11.5	72
35	Fast classification and compositional analysis of cornstover fractions using Fourier transform near-infrared techniques. Bioresource Technology, 2008, 99, 7323-7332.	9.6	71
36	BrÃ¸nsted acidic room temperature ionic liquids derived from N,N-dimethylformamide and similar protophilic amides. Green Chemistry, 2006, 8, 599-602.	9.0	69

#	Article	IF	Citations
37	1,3-Cyclohexadiene Polymers. 1. Anionic Polymerization. Macromolecules, 2001, 34, 782-786.	4.8	68
38	Electrostatic Swelling and Conformational Variation Observed in High-Generation Polyelectrolyte Dendrimers. Journal of Physical Chemistry Letters, 2010, 1, 2020-2024.	4.6	64
39	Seamless Staircase Electrical Contact to Semiconducting Graphene Nanoribbons. Nano Letters, 2017, 17, 6241-6247.	9.1	64
40	Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. Physical Review Letters, 2015, 115, 228302.	7.8	58
41	Controllable conversion of quasi-freestanding polymer chains to graphene nanoribbons. Nature Communications, 2017, 8, 14815.	12.8	58
42	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
43	Porous Carbon Protected Magnetite and Silver Hybrid Nanoparticles: Morphological Control, Recyclable Catalysts, and Multicolor Cell Imaging. ACS Applied Materials & Interfaces, 2013, 5, 9446-9453.	8.0	54
44	Design of superionic polymersâ€"New insights from Walden plot analysis. Solid State Ionics, 2014, 262, 782-784.	2.7	54
45	Correlating high power conversion efficiency of PTB7:PC₇₁BM inverted organic solar cells with nanoscale structures. Nanoscale, 2015, 7, 15576-15583.	5.6	54
46	Ternary behavior and systematic nanoscale manipulation of domain structures in P3HT/PCBM/P3HT-b-PEO films. Journal of Materials Chemistry, 2012, 22, 13013.	6.7	53
47	Multifunctional PEG encapsulated Fe3O4@silver hybrid nanoparticles: antibacterial activity, cell imaging and combined photothermo/chemo-therapy. Journal of Materials Chemistry B, 2013, 1, 6225.	5.8	52
48	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. CrystEngComm, 2013, 15, 1114-1124.	2.6	51
49	Multifunctional 1D Magnetic and Fluorescent Nanoparticle Chains for Enhanced MRI, fluorescent Cell Imaging, And Combined Photothermal/Chemotherapy. ACS Applied Materials & Interfaces, 2014, 6, 15309-15317.	8.0	51
50	X-ray and Neutron Scattering Study of the Formation of Coreâ€"Shell-Type Polyoxometalates. Journal of the American Chemical Society, 2016, 138, 2638-2643.	13.7	49
51	Statistical radical copolymerization of styrene and methyl methacrylate in a room temperature ionic liquid. Chemical Communications, 2003, , 1356.	4.1	48
52	Intramolecular Structural Change of PAMAM Dendrimers in Aqueous Solutions Revealed by Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2010, 114, 1751-1756.	2.6	48
53	Controlled Pd(0)/t-Bu₃P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with ArPd(t-Bu₃P)X or Pd₂(dba)₃/t-Bu₃P/ArX as the Initiator. Macromolecules, 2015, 48, 967-978.	4.8	48
54	Effect of Ionic Liquid Treatment on the Structures of Lignins in Solutions: Molecular Subunits Released from Lignin. Langmuir, 2012, 28, 11850-11857.	3.5	47

#	Article	IF	Citations
55	Assess the Intramolecular Cavity of a PAMAM Dendrimer in Aqueous Solution by Small-Angle Neutron Scattering. Macromolecules, 2008, 41, 8916-8920.	4.8	44
56	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
57	Polyamidoamine (PAMAM) Dendrimer Conjugates of â€œClickableâ€•Agonists of the A₃ Adenosine Receptor and Coactivation of the P2Y₁₄ Receptor by a Tethered Nucleotide. Bioconjugate Chemistry, 2010, 21, 372-384.	3.6	43
58	Atomistic Structure of Bottlebrush Polymers: Simulations and Neutron Scattering Studies. Macromolecules, 2014, 47, 5808-5814.	4.8	42
59	1,3-Cyclohexadiene Polymers. 3. Synthesis and Characterization of Poly(1,3-cyclohexadiene-block-styrene). Macromolecules, 2001, 34, 3540-3547.	4.8	41
60	Ionic Transport Across Interfaces of Solid Glass and Polymer Electrolytes for Lithium Ion Batteries. Journal of the Electrochemical Society, 2011, 158, A1143.	2.9	41
61	Fingerprinting Molecular Relaxation in Deformed Polymers. Physical Review X, 2017, 7, .	8.9	41
62	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. Macromolecules, 2016, 49, 2646-2655.	4.8	39
63	Small Angle Neutron Scattering Study of Conformation of Oligo(ethylene glycol)-Grafted Polystyrene in Dilute Solutions: Effect of the Backbone Length. Macromolecules, 2008, 41, 9831-9836.	4.8	38
64	1,3-Cyclohexadiene Polymers. 2. Near-Monodisperse Star and Star-Block Polymers Based on Poly(1,3-cyclohexadiene). Macromolecules, 2001, 34, 2482-2487.	4.8	37
65	First report of nitroxide mediated polymerization in an ionic liquid. Polymer Bulletin, 2004, 52, 9.	3.3	37
66	Synthesis and Structureâ€“ Property Relationships for Regular Multigraft Copolymers. Macromolecular Symposia, 2004, 215, 111-126.	0.7	37
67	Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. Polymer Chemistry, 2016, 7, 680-688.	3.9	37
68	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. Nano Letters, 2018, 18, 2525-2529.	9.1	37
69	Distinguishing the monomer to cluster phase transition in concentrated lysozyme solutions by studying the temperature dependence of the short-time dynamics. Journal of Physics Condensed Matter, 2012, 24, 064114.	1.8	36
70	High-color-purity and efficient solution-processable blue phosphorescent light-emitting diodes with Pt(<scp>ii</scp>) complexes featuring ³Ï€Ï€* transitions. Materials Chemistry Frontiers, 2019, 3, 2448-2454.	5.9	36
71	Nanoarchitectonics of Molecular Aggregates: Science and Technology. Journal of Nanoscience and Nanotechnology, 2014, 14, 390-401.	0.9	35
72	t-Bu₃P-Coordinated 2-Phenylaniline-Based Palladacycle Complex/ArBr as Robust Initiators for Controlled Pd(0)/t-Bu₃P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers. ACS Macro Letters, 2016, 5, 656-660.	4.8	35

#	Article	IF	Citations
73	Regioselective Baeyerâ€“Villiger oxidation of lignin model compounds with tin beta zeolite catalyst and hydrogen peroxide. RSC Advances, 2017, 7, 25987-25997.	3.6	35
74	All acrylic-based thermoplastic elastomers with high upper service temperature and superior mechanical properties. Polymer Chemistry, 2017, 8, 5741-5748.	3.9	34
75	Coreâ^'Shell Cylinder Morphology in Poly(styrene-b-1,3-cyclohexadiene) Diblock Copolymers. Macromolecules, 1999, 32, 3216-3226.	4.8	33
76	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
77	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
78	The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). Polymer Chemistry, 2020, 11, 517-526.	3.9	33
79	Structural and Chemical Characterization of Hardwood from Tree Species with Applications as Bioenergy Feedstocks. PLoS ONE, 2012, 7, e52820.	2.5	32
80	Poly(1-adamantyl acrylate): Living Anionic Polymerization, Block Copolymerization, and Thermal Properties. Macromolecules, 2016, 49, 9406-9414.	4.8	32
81	Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. Physical Review Letters, 2018, 120, 086602.	7.8	32
82	Reduction-Triggered Self-Assembly of Nanoscale Molybdenum Oxide Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 10623-10629.	13.7	31
83	Deuteration and Polymers: Rich History with Great Potential. Macromolecules, 2021, 54, 3555-3584.	4.8	31
84	Model Linear Block Co-, Ter-, and Quaterpolymers of 1,3-Cyclohexadiene with Styrene, Isoprene, and Butadiene. Macromolecules, 2002, 35, 7928-7935.	4.8	28
85	t-Bu₃P-Coordinated 2-Phenylaniline-Based Palladacycle Complex as a Precatalyst for the Suzuki Cross-Coupling Polymerization of Aryl Dibromides with Aryldiboronic Acids. ACS Macro Letters, 2013, 2, 10-13.	4.8	28
86	Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435.	3.5	28
87	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
88	Insight into the Mechanisms Driving the Self-Assembly of Functional Interfaces: Moving from Lipids to Charged Amphiphilic Oligomers. Journal of the American Chemical Society, 2020, 142, 290-299.	13.7	27
89	Engineering Edge States of Graphene Nanoribbons for Narrow-Band Photoluminescence. ACS Nano, 2020, 14, 5090-5098.	14.6	27
90	Structural Evolution of Polylactide Molecular Bottlebrushes: Kinetics Study by Size Exclusion Chromatography, Small Angle Neutron Scattering, and Simulations. ACS Macro Letters, 2014, 3, 862-866.	4.8	26

#	Article	IF	Citations
91	Inter-particle correlations in a hard-sphere colloidal suspension with polymer additives investigated by Spin Echo Small Angle Neutron Scattering (SESANS). Soft Matter, 2014, 10, 3016-3026.	2.7	26
92	Ag₂CO₃-Catalyzed H/D Exchange of Five-Membered Heteroarenes at Ambient Temperature. Organic Letters, 2019, 21, 6745-6749.	4.6	26
93	Decoupling Poly(3-alkylthiophenes)â€™ Backbone and Side-Chain Conformation by Selective Deuteration and Neutron Scattering. Macromolecules, 2020, 53, 11142-11152.	4.8	26
94	pH Responsiveness of polyelectrolyte dendrimers: a dynamical perspective. Soft Matter, 2011, 7, 618-622.	2.7	25
95	High-performance polymer photovoltaics based on rationally designed fullerene acceptors. Solar Energy Materials and Solar Cells, 2013, 118, 171-178.	6.2	25
96	Improving mechanical properties of carbon nanotube fibers through simultaneous solid-state cycloaddition and crosslinking. Nanotechnology, 2017, 28, 145603.	2.6	25
97	Synthetic control of the size, shape, and polydispersity of anisotropic silica colloids. Journal of Colloid and Interface Science, 2017, 501, 45-53.	9.4	25
98	Oxidization stability of atomically precise graphene nanoribbons. Physical Review Materials, 2018, 2, .	2.4	25
99	Effect of counterion valence on the pH responsiveness of polyamidoamine dendrimer structure. Journal of Chemical Physics, 2010, 132, 124901.	3.0	24
100	tBu₃Pâ€Coordinated 2â€Phenylanilineâ€Based Palladacycle Complexes as Precatalyst for Pdâ€Catalyzed Coupling Reactions of Aryl Halides with Polyfluoroarenes by a Câ€“H Activation Strategy. European Journal of Organic Chemistry, 2014, 2014, 1327-1332.	2.4	24
101	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
102	Poly(ethylene glycol)s in Semidilute Regime: Radius of Gyration in the Bulk and Partitioning into a Nanopore. Macromolecules, 2017, 50, 2477-2483.	4.8	24
103	Influence of Added Salt on Chain Conformations in Poly(ethylene oxide) Melts: SANS Analysis with Complications. Macromolecules, 2020, 53, 7141-7149.	4.8	24
104	Radius of Gyration of Polystyrene Combs and Centipedes in a Ï‘ Solvent. Macromolecules, 2005, 38, 1447-1450.	4.8	23
105	Morphologies of ABC Triblock Terpolymer Melts Containing Poly(Cyclohexadiene): Effects of Conformational Asymmetry. Langmuir, 2013, 29, 1995-2006.	3.5	23
106	Helical Poly(5-alkyl-2,3-thiophene)s: Controlled Synthesis and Structure Characterization. Macromolecules, 2016, 49, 4691-4698.	4.8	23
107	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
108	Association and Structure of Thermosensitive Comblike Block Copolymers in Aqueous Solutions. Macromolecules, 2008, 41, 4824-4827.	4.8	21

#	Article	IF	Citations
109	Coherent dynamics of meta-toluidine investigated by quasielastic neutron scattering. Journal of Chemical Physics, 2012, 136, 104502.	3.0	21
110	Structured water in polyelectrolyte dendrimers: Understanding small angle neutron scattering results through atomistic simulation. Journal of Chemical Physics, 2012, 136, 144901.	3.0	21
111	Accessing conjugated polymers with precisely controlled heterobisfunctional chain ends via post-polymerization modification of the OTf group and controlled Pd(0)/t-Bu₃P-catalyzed Suzuki cross-coupling polymerization. Chemical Communications, 2015, 51, 14869-14872.	4.1	21
112	Polymer, Additives, and Processing Effects on N95 Filter Performance. ACS Applied Polymer Materials, 2021, 3, 1022-1031.	4.4	21
113	Functionalized Congeners of P2Y₁ Receptor Antagonists: 2-Alkynyl (N)-Methanocarba 2â€²-Deoxyadenosine 3â€²,5â€²-Bisphosphate Analogues and Conjugation to a Polyamidoamine (PAMAM) Dendrimer Carrier. Bioconjugate Chemistry, 2010, 21, 1190-1205.	3.6	20
114	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
115	Selectively Deuterated Poly(Îµ-caprolactone)s: Synthesis and Isotope Effects on the Crystal Structures and Properties. Macromolecules, 2018, 51, 9393-9404.	4.8	20
116	Highly efficient solid-state neutron scintillators based on hybrid sol-gel nanocomposite materials. Applied Physics Letters, 2006, 89, 214104.	3.3	19
117	Asymmetrical self-assembly from fluorinated and sulfonated block copolymers in aqueous media. Soft Matter, 2011, 7, 7960.	2.7	19
118	2-Isopropenyl-2-oxazoline: Well-Defined Homopolymers and Block Copolymers via Living Anionic Polymerization. Macromolecules, 2017, 50, 54-62.	4.8	19
119	Solution Properties of 1,3-Cyclohexadiene Polymers by Laser Light Scattering and Small-Angle Neutron Scattering. Macromolecules, 2006, 39, 897-899.	4.8	18
120	All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. Polymer Chemistry, 2018, 9, 160-168.	3.9	18
121	Design of Atomically Precise Nanoscale Negative Differential Resistance Devices. Advanced Theory and Simulations, 2019, 2, 1800172.	2.8	18
122	Direct writing of heterostructures in single atomically precise graphene nanoribbons. Physical Review Materials, 2019, 3, .	2.4	18
123	Giant isotope effect on phonon dispersion and thermal conductivity in methylammonium lead iodide. Science Advances, 2020, 6, eaaz1842.	10.3	17
124	Synthesis of Multideuterated (Hetero)aryl Bromides by Ag(I)-Catalyzed H/D Exchange. Organic Letters, 2021, 23, 1554-1560.	4.6	17
125	Supramolecular assembly of biohybrid photoconversion systems. Energy and Environmental Science, 2011, 4, 181-188.	30.8	16
126	Spatial distribution of intra-molecular water and polymeric components in polyelectrolyte dendrimers revealed by small angle scattering investigations. Journal of Chemical Physics, 2011, 135, 144903.	3.0	16

#	Article	IF	Citations
127	Deuteration as a Means to Tune Crystallinity of Conducting Polymers. Journal of Physical Chemistry Letters, 2017, 8, 4333-4340.	4.6	16
128	Ag(<scp>i</scp>)-Mediated hydrogen isotope exchange of mono-fluorinated (hetero)arenes. Organic and Biomolecular Chemistry, 2020, 18, 6627-6633.	2.8	16
129	Infrared and multiâ€wavelength Raman spectroscopy of regioâ€regular P3HT and its deutero derivatives. Journal of Raman Spectroscopy, 2018, 49, 569-580.	2.5	16
130	Controlling molecular ordering in solution-state conjugated polymers. Nanoscale, 2015, 7, 15134-15141.	5.6	15
131	Micellization coupled with facilitation of J-aggregation for poly(1,3-cyclohexadiene)-based amphiphilic block copolymers. Soft Matter, 2008, 4, 1605.	2.7	14
132	Morphological origin for the stratification of P3HT:PCBM blend film studied by neutron reflectometry. Applied Physics Letters, 2013, 103, .	3.3	14
133	Dynamics of Water Associated with Lithium Ions Distributed in Polyethylene Oxide. Physical Review Letters, 2015, 115, 198301.	7.8	14
134	Studies on the 3-Lamellar Morphology of Miktoarm Terpolymers. Macromolecules, 2018, 51, 7491-7499.	4.8	14
135	Molecular reorganization in bulk bottlebrush polymers: direct observation via nanoscale imaging. Nanoscale, 2018, 10, 18001-18009.	5.6	14
136	Step edge-mediated assembly of periodic arrays of long graphene nanoribbons on Au(111). Chemical Communications, 2019, 55, 11848-11851.	4.1	14
137	Variable-Temperature Scattering and Spectroscopy Characterizations for Temperature-Dependent Solution Assembly of PffBT4T-Based Conjugated Polymers. ACS Applied Polymer Materials, 2022, 4, 3023-3033.	4.4	14
138	Effect of Polymer Topology on Microstructure, Segmental Dynamics, and Ionic Conductivity in PEO/PMMA-Based Solid Polymer Electrolytes. ACS Applied Polymer Materials, 2022, 4, 179-190.	4.4	14
139	Conformation of oligo(ethylene glycol) grafted polystyrene in dilute aqueous solutions. Polymer, 2007, 48, 4108-4113.	3.8	13
140	Nanostructure enhanced ionic transport in fullerene reinforced solid polymer electrolytes. Physical Chemistry Chemical Physics, 2015, 17, 8266-8275.	2.8	13
141	Scaling Behavior of Anisotropy Relaxation in Deformed Polymers. Physical Review Letters, 2018, 121, 117801.	7.8	13
142	Cascade alkylation and deuteration with aryl iodides via Pd/norbornene catalysis: an efficient method for the synthesis of congested deuterium-labeled arenes. Chemical Communications, 2019, 55, 8567-8570.	4.1	13
143	A practical and efficient method for late-stage deuteration of terminal alkynes with silver salt as catalyst. Tetrahedron Letters, 2021, 66, 152807.	1.4	13
144	Ion Pairing Mediates Molecular Organization Across Liquid/Liquid Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 33734-33743.	8.0	13

#	Article	IF	Citations
145	Studies on the Free-Volume Change in Annealed Ultra-High Molecular Weight Polyethylene by the Positron Annihilation Technique. Physica Status Solidi A, 1995, 147, 447-452.	1.7	12
146	Architecturally and Chemically Modified Poly(1,3â€cyclohexadiene). Macromolecular Chemistry and Physics, 2008, 209, 308-314.	2.2	12
147	Synthesis and Characterization of an ABC Miktoarm Star Terpolymer of Cyclohexadiene, Styrene, and 2-Vinylpyridine. Macromolecules, 2008, 41, 9480-9482.	4.8	12
148	Assembly and Characterization of Well-Defined High-Molecular-Weight Poly(p-phenylene) Polymer Brushes. Chemistry of Materials, 2011, 23, 4367-4374.	6.7	12
149	Morphologies of poly(cyclohexadiene) diblock copolymers: Effect of conformational asymmetry. Polymer, 2012, 53, 5155-5162.	3.8	12
150	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
151	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
152	Dynamic properties of different liquid states in systems with competing interactions studied with lysozyme solutions. Soft Matter, 2018, 14, 8570-8579.	2.7	12
153	Ion Pairing and Molecular Orientation at Liquid/Liquid Interfaces: Self-Assembly and Function. Journal of Physical Chemistry B, 2022, 126, 2316-2323.	2.6	12
154	Conformation of oligo(ethylene glycol) grafted poly(norbornene) in solutions: A small angle neutron scattering study. European Polymer Journal, 2008, 44, 2859-2864.	5.4	11
155	Roll-to-Roll Scalable Production of Ordered Microdomains through Nonvolatile Additive Solvent Annealing of Block Copolymers. Macromolecules, 2019, 52, 5026-5032.	4.8	11
156	On-surface cyclodehydrogenation reaction pathway determined by selective molecular deuterations. Chemical Science, 2021, 12, 15637-15644.	7.4	11
157	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
158	Building triangular nanoprisms from the bottom-up: a polyelectrolyte micellar approach. Journal of Materials Chemistry B, 2013, 1, 4212.	5.8	10
159	Self-Powered Fast Brazing of Ti-6Al-4V Using Ni/Al Reactive Multilayer Films. Applied Sciences (Switzerland), 2018, 8, 985.	2.5	10
160	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High-Ï‡N Conditions. Macromolecules, 2018, 51, 6967-6975.	4.8	10
161	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
162	Structure and dynamics of lipid membranes interacting with antivirulence end-phosphorylated polyethylene glycol block copolymers. Soft Matter, 2020, 16, 983-989.	2.7	10

#	Article	IF	Citations
163	Design and performance of a superconducting neutron resonance spin flipper. Review of Scientific Instruments, 2020, 91, 015117.	1.3	10
164	Fluorineâ€containing linear block terpolymers: Synthesis and selfâ€assembly in solution. Journal of Polymer Science Part A, 2011, 49, 414-422.	2.3	9
165	A method for preparing sodium acrylateâ€d₃, a useful and stable precursor for deuterated acrylic monomers. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 743-748.	1.0	9
166	Well-Defined Polyisoprene-b-Poly(acrylic acid)/Polystyrene-b-Polyisoprene-b-Poly(acrylic acid) Block Copolymers: Synthesis and Their Self-Assembled Hierarchical Structures in Aqueous Media. ACS Macro Letters, 2012, 1, 743-747.	4.8	9
167	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
168	Controlled synthesis of ortho, para-alternating linked polyarenes via catalyst-transfer Suzuki coupling polymerization. Polymer Chemistry, 2018, 9, 3342-3346.	3.9	9
169	Ab initio investigation of the cyclodehydrogenation process for polyanthrylene transformation to graphene nanoribbons. Npj Computational Materials, 2019, 5, .	8.7	9
170	Isotope Effects on the Crystallization Kinetics of Selectively Deuterated Poly(Îµâ€Caprolactone). Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 771-779.	2.1	9
171	High-Pressure Micellar Solutions of Polystyrene-block-polybutadiene and Polystyrene-block-polyisoprene in Propane Exhibit Cloud-Pressure Reduction and Distinct Micellization End Points. Macromolecules, 2009, 42, 3823-3826.	4.8	8
172	Amorphous polystyrene-block-polybutadiene and crystallizable polystyrene-block-(hydrogenated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 effects. Journal of Non-Crystalline Solids, 2009, 355, 1393-1399.	3.1	8
173	Novel amphiphilic block copolymers derived from the selective fluorination and sulfonation of poly(styreneâ€blockâ€1,3â€cyclohexadiene). Journal of Polymer Science Part A, 2012, 50, 338-345.	2.3	8
174	Biosynthesis and characterization of deuterated chitosan in filamentous fungus and yeast. Carbohydrate Polymers, 2021, 257, 117637.	10.2	8
175	Influence of sideâ€chain isomerization on the isothermal crystallization kinetics of poly(3â€alkylthiophenes). Journal of Materials Research, 2021, 36, 191-202.	2.6	8
176	Influence of NaCl on shape deformation of polymersomes. Soft Matter, 2021, 17, 4452-4463.	2.7	8
177	The Preparation of a Substituted Titanocene-supported Polymer and its Application in Catalytic Reactions. Polymers for Advanced Technologies, 1996, 7, 619-624.	3.2	7
178	First data acquired on the extendedQ-range small-angle neutron scattering (EQ-SANS) diffractometer at the Spallation Neutron Source. Journal of Applied Crystallography, 2011, 44, 1120-1122.	4.5	7
179	Molecular dynamics and neutron scattering study of the dependence of polyelectrolyte dendrimer conformation on counterion behavior. Journal of Chemical Physics, 2012, 137, 064902.	3.0	7
180	Temperature-induced phase-transitions of methoxyoligo(oxyethylene) styrene-based block copolymers in aqueous solution. Soft Matter, 2013, 9, 8897.	2.7	7

#	Article	IF	Citations
181	Assembly of polythiophenes on responsive polymer microgels for the highly selective detection of ammonia gas. Polymer Chemistry, 2016, 7, 3179-3188.	3.9	7
182	Solution properties, unperturbed dimensions, and chain flexibility of poly(1â€adamantyl acrylate). Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1526-1531.	2.1	7
183	Thermoplastic Elastomers Based on Block, Graft, and Star Copolymers. , 0, , .		7
184	Single-step process to improve the mechanical properties of carbon nanotube yarn. Beilstein Journal of Nanotechnology, 2018, 9, 545-554.	2.8	7
185	Structures of Partially Fluorinated Bottlebrush Polymers in Thin Films. ACS Applied Polymer Materials, 2020, 2, 209-219.	4.4	7
186	Quantitative examination of a fundamental assumption in small-angle neutron scattering studies of deformed polymer melts. Polymer, 2020, 204, 122698.	3.8	7
187	Câ€“H Bond Functionalization of (Hetero)aryl Bromide Enabled Synthesis of Brominated Biaryl Compounds. Organic Letters, 2021, 23, 5626-5630.	4.6	7
188	Squeezing Out Interfacial Solvation: The Role of Hydrogen-Bonding in the Structural and Orientational Freedom of Molecular Self-Assembly. Journal of Physical Chemistry Letters, 2022, 13, 2273-2280.	4.6	7
189	Homopolymerization and Block Copolymer Formation in Room-Temperature Ionic Liquids Using Conventional Free-Radical Initiators. ACS Symposium Series, 2002, , 114-124.	0.5	6
190	High-Pressure Micellar Solutions of Symmetric and Asymmetric Styreneâ^'Diene Diblocks in Compressible Near-Critical Solvents: Micellization Pressures and Cloud Pressures Respond but Micellar Cloud Pressures Insensitive to Copolymer Molecular Weight, Concentration, and Block Ratio Changes. Macromolecules, 2009, 42, 7155-7163.	4.8	6
191	Water distributions in polystyrene-block-poly[styrene-g-poly(ethylene oxide)] block grafted copolymer system in aqueous solutions revealed by contrast variation small angle neutron scattering study. Journal of Chemical Physics, 2010, 133, 144912.	3.0	6
192	Thermal Stability of Fluorinated Polydienes Synthesized by Addition of Difluorocarbene. Macromolecular Chemistry and Physics, 2012, 213, 49-56.	2.2	6
193	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. Chemistry - A European Journal, 2016, 22, 14131-14136.	3.3	6
194	Thermally switchable thin films of an ABC triblock copolymer of poly(n-butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (methacrylate 2011, 257, 9673-9677.	6.1	5
195	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. Journal of Materials Chemistry A, 2013, 1, 13426.	10.3	5
196	Diblock copolymers of polystyreneâ€bâ€poly(1,3â€cyclohexadiene) exhibiting unique threeâ€phase microdomain morphologies. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1564-1572.	2.1	5
197	Thermoreversible Morphology and Conductivity of a Conjugated Polymer Network Embedded in Block Copolymer Selfâ€Assemblies. Small, 2016, 12, 4857-4864.	10.0	5
198	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene-b-1,3-cyclohexadiene) Copolymers. Macromolecules, 2017, 50, 2354-2363.	4.8	5

#	Article	IF	Citations
199	Impact of Molecular Architecture on Dynamics of Miktoarm Star Copolymers. Macromolecules, 2018, 51, 5401-5408.	4.8	5
200	Dynamic Equivalence between Soft Star Polymers and Hard Spheres. ACS Macro Letters, 2019, 8, 1467-1473.	4.8	5
201	Alternating crystalline lamellar structures from thermodynamically miscible poly(Îµ-caprolactone) H/D blends. Polymer, 2019, 175, 320-328.	3.8	5
202	Spatial correlations of entangled polymer dynamics. Physical Review E, 2021, 104, 024503.	2.1	5
203	Mapping the Interfacial Chemistry and Structure of Partially Fluorinated Bottlebrush Polymers and Their Linear Analogues. Langmuir, 2021, 37, 211-218.	3.5	5
204	Conjugated Poly-P-Phenylene (PPP) From Poly(1,3-Cyclohexadiene) (PCHD) Homo- and Block Copolymers: Controlled Processability and Properties. Materials Research Society Symposia Proceedings, 1999, 561, 189.	0.1	4
205	Spatial Distributions of Guest Molecule and Hydration Level in Dendrimer-Based Guestâ€“Host Complex. ACS Macro Letters, 2016, 5, 1004-1008.	4.8	4
206	Chain arrangements of selectively deuterated poly(Îµ-caprolactone) copolymers as revealed by neutron scattering. Polymer, 2020, 193, 122375.	3.8	4
207	Effects of Asymmetric Molecular Architecture on Chain Stretching and Dynamics in Miktoarm Star Copolymers. Macromolecules, 2021, 54, 183-194.	4.8	4
208	Silver salt enabled H/D exchange at the Î²-position of thiophene rings: synthesis of fully deuterated thiophene derivatives. Organic and Biomolecular Chemistry, 2022, 20, 1176-1180.	2.8	4
209	Deuteration Impact on Micellization Pressure and Cloud Pressure of Polystyrene-block-polybutadiene and Polystyrene-block-polyisoprene in Compressible Propane. Journal of Physical Chemistry B, 2009, 113, 15156-15161.	2.6	3
210	Conformational effect on small angle neutron scattering behavior of interacting polyelectrolyte solutions: A perspective of integral equation theory. Journal of Chemical Physics, 2012, 137, 024907.	3.0	3
211	Nanoconfinement Inside Molecular Metal Oxide Clusters: Dynamics and Modified Encapsulation Behavior. Chemistry - A European Journal, 2016, 22, 14073-14073.	3.3	3
212	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
213	Intramolecular Catalyst Transfer over Sterically Hindered Arenes in Suzuki Crossâ€Coupling Reactions. Asian Journal of Organic Chemistry, 2019, 8, 1506-1512.	2.7	3
214	Side chain dynamics in semiconducting polymer MEHâ€PPV. Journal of Applied Polymer Science, 2019, 136, 47394.	2.6	3
215	Determining population densities in bimodal micellar solutions using contrast-variation small angle neutron scattering. Journal of Chemical Physics, 2020, 153, 184902.	3.0	3
216	Quantification of Deformation-Induced Concentration Fluctuations in Polymeric Liquids by Small-Angle Neutron Scattering. Macromolecules, 2021, 54, 3531-3542.	4.8	3

#	Article	IF	Citations
217	Strain-Induced Nanocavitation in Block Copolymer Thin Films for High Performance Filtration Membranes. ACS Applied Polymer Materials, 2021, 3, 5666-5673.	4.4	3
218	Small angle scattering of diblock copolymers profiled by machine learning. Journal of Chemical Physics, 2022, 156, 131101.	3.0	3
219	Counterion Association and Structural Conformation Change of Charged PAMAM Dendrimer in Aqueous Solutions Revealed by Small Angle Neutron Scattering. Macromolecular Symposia, 2009, 279, 65-71.	0.7	2
220	Electrodeposition of cobalt nanowires on H-terminated conductive Si(111) surfaces using coblock polymer templating. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 031401.	2.1	2
221	Synthesis of N¹â€tritylethaneâ€1,1,2,2â€d₄â€1,2â€diamine: a novel monoâ€protected Câ€deuterated ethylenediamine synthon. Journal of Labelled Compounds and Radiopharmaceuticals, 2012, 55, 463-466.	1.0	2
222	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
223	Poly(styrene-graft-hyperbranched polyglycidol): synthesis and solution behavior of a hyperbranched polyelectrolyte. RSC Advances, 2015, 5, 5611-5616.	3.6	2
224	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
225	Effect of microstructure on chain flexibility and glass transition temperature of polybenzofulvene. Polymer, 2021, 212, 123276.	3.8	2
226	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). Journal of Materials Research, 2021, 36, 1-12.	2.6	2
227	Development of Block Co-Polymers as Self-Assembling Templates for Magnetic Media and Spin-Valves. Materials Research Society Symposia Proceedings, 2006, 941, 1.	0.1	1
228	Development of Block Co-Polymers as Self-Assembling Templates for Patterned Media. Materials Research Society Symposia Proceedings, 2006, 961, 1.	0.1	1
229	Influence of Molecular Solvation on the Conformation of Star Polymers. ACS Macro Letters, 2014, 3, 458-461.	4.8	1
230	Dynamics in the Plastic Crystalline Phases of Cyclohexanol and Cyclooctanol Studied by Quasielastic Neutron Scattering. Journal of Physical Chemistry B, 2018, 122, 6296-6304.	2.6	1
231	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
232	Kinetically Controlled Formation of Semi-crystalline Conjugated Polymer Nanostructures. Macromolecules, 2021, 54, 2162-2177.	4.8	1
233	The reduction property of thermally treated polyacrylonitrile fibres. Polymer, 1996, 37, 5533-5535.	3.8	0
234	Application of Cylinder Forming Block Copolymers as Templates for Formation of Bit Patterned and Graded Media. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0

#	Article	IF	Citations
235	Aligned Carbon Nanotube Polymer Composites. , 2007, , .		0
236	Nanostructure of Solid Precipitates Obtained by Expansion of Polystyrene-block-Polybutadiene Solutions in Near Critical Propane: Block Ratio and Micellar Solution Effects. Journal of Physical Chemistry C, 2011, 115, 9465-9470.	3.1	0
237	Carbon nanotube-templated assembly of regioregular poly(3-alkylthiophene) in solution. , 2016, , .		0
238	Determination of active layer morphology in all-polymer photovoltaic cells. Journal of Applied Crystallography, 2017, 50, 1289-1298.	4.5	0
239	Preparation of Thick Ni/Al Reactive Multilayer Films and Prospective Use for Self-Powered Brazing of Ti-6Al-4V. , 2018, , .		0
240	Helium Ion Microscopy Imaging of Bottlebrush Copolymers. Microscopy and Microanalysis, 2019, 25, 908-909.	0.4	0
241	Interfacial Jamming: A Cast Net Thrown onto an Interface: Wrapping 3D Objects with an Interfacially Jammed Amphiphilic Sheet (Adv. Mater. Interfaces 7/2020). Advanced Materials Interfaces, 2020, 7, 2070039.	3.7	0
242	Chemical and charge transfer studies on interfaces of a conjugated polymer and ITO. , 2017, , .		0
243	Ion Atmosphere of Wormlike Micelles Profiled by Contrast Variation Small-Angle Neutron Scattering. ACS Macro Letters, 2022, 11, 66-71.	4.8	0