

Kunlun Hong

List of Publications by Year in descending order

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243
papers

10,626
citations

41258

49
h-index

38300

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. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5785-5789. | 7.2 | 770 |
| 2 | Anomalous High Ionic Conductivity of Nanoporous Li_3PS_4 . <i>Journal of the American Chemical Society</i> , 2013, 135, 975-978. | 6.6 | 709 |
| 3 | Rationally tuned micropores within enantiopure metal-organic frameworks for highly selective separation of acetylene and ethylene. <i>Nature Communications</i> , 2011, 2, 204. | 5.8 | 504 |
| 4 | Surface Interactions and Quantum Kinetic Molecular Sieving for H_2 and D_2 Adsorption on a Mixed Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2008, 130, 6411-6423. | 6.6 | 437 |
| 5 | Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. <i>Nano Letters</i> , 2011, 11, 3707-3713. | 4.5 | 415 |
| 6 | Interplay of Metalloligand and Organic Ligand to Tune Micropores within Isostructural Mixed-Metal Organic Frameworks (MOFs) for Their Highly Selective Separation of Chiral and Achiral Small Molecules. <i>Journal of the American Chemical Society</i> , 2012, 134, 8703-8710. | 6.6 | 326 |
| 7 | Stabilization of cationic liposome-plasmid DNA complexes by polyamines and poly(ethylene) Tj ETQq1 1 0.784314 $\frac{\text{rgBT}}{\text{Overlock 10}}$ 153 297 | 1.3 | 297 |
| 8 | Recent advances in thermoplastic elastomers from living polymerizations: Macromolecular architectures and supramolecular chemistry. <i>Progress in Polymer Science</i> , 2019, 95, 1-31. | 11.8 | 186 |
| 9 | Cationic Liposomes Coated with Polyethylene Glycol As Carriers for Oligonucleotides. <i>Journal of Biological Chemistry</i> , 1998, 273, 15621-15627. | 1.6 | 183 |
| 10 | Conventional free radical polymerization in room temperature ionic liquids: a green approach to commodity polymers with practical advantages. <i>Chemical Communications</i> , 2002, , 1368-1369. | 2.2 | 167 |
| 11 | Synthesis of Block Copolymers of Styrene and Methyl Methacrylate by Conventional Free Radical Polymerization in Room Temperature Ionic Liquids. <i>Macromolecules</i> , 2002, 35, 5738-5741. | 2.2 | 158 |
| 12 | Lysozyme Protein Solution with an Intermediate Range Order Structure. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7238-7247. | 1.2 | 147 |
| 13 | Decoupling of Ionic Transport from Segmental Relaxation in Polymer Electrolytes. <i>Physical Review Letters</i> , 2012, 108, 088303. | 2.9 | 139 |
| 14 | Bicontinuous structured liquids with sub-micrometre domains using nanoparticle surfactants. <i>Nature Nanotechnology</i> , 2017, 12, 1060-1063. | 15.6 | 137 |
| 15 | Small-Angle Neutron Scattering Analysis of Bottlebrush Polymers Prepared via Grafting-Through Polymerization. <i>Macromolecules</i> , 2013, 46, 6998-7005. | 2.2 | 136 |
| 16 | Examination of the fundamental relation between ionic transport and segmental relaxation in polymer electrolytes. <i>Polymer</i> , 2014, 55, 4067-4076. | 1.8 | 136 |
| 17 | Formation of the Dynamic Clusters in Concentrated Lysozyme Protein Solutions. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 126-129. | 2.1 | 135 |
| 18 | Magnetic iron oxide-fluorescent carbon dots integrated nanoparticles for dual-modal imaging, near-infrared light-responsive drug carrier and photothermal therapy. <i>Biomaterials Science</i> , 2014, 2, 915-923. | 2.6 | 134 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. <i>Carbon</i> , 2016, 109, 640-649. | 5.4 | 125 |
| 20 | High-Performance Field-Effect Transistors Based on Polystyrene- <i>b</i> -Poly(3-hexylthiophene) Diblock Copolymers. <i>ACS Nano</i> , 2011, 5, 3559-3567. | 7.3 | 122 |
| 21 | Polythiophene-block-polyfluorene and Polythiophene-block-poly(fluorene-co-benzothiadiazole): Insights into the Self-Assembly of All-Conjugated Block Copolymers. <i>Macromolecules</i> , 2011, 44, 530-539. | 2.2 | 120 |
| 22 | 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. | 11.1 | 112 |
| 23 | PS- <i>b</i> -P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 5529-5535. | 11.1 | 110 |
| 24 | The isotopic effects of deuteration on optoelectronic properties of conducting polymers. <i>Nature Communications</i> , 2014, 5, 3180. | 5.8 | 103 |
| 25 | Ultrastructural characterization of cationic liposome-DNA complexes showing enhanced stability in serum and high transfection activity in vivo. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1375, 23-35. | 1.4 | 100 |
| 26 | Fluorescent-Dye-Doped Sol-Gel Sensor for Highly Sensitive Carbon Dioxide Gas Detection below Atmospheric Concentrations. <i>Analytical Chemistry</i> , 2010, 82, 593-600. | 3.2 | 98 |
| 27 | Multi-functional core-shell hybrid nanogels for pH-dependent magnetic manipulation, fluorescent pH-sensing, and drug delivery. <i>Biomaterials</i> , 2011, 32, 9876-9887. | 5.7 | 96 |
| 28 | Controlled Pd(0)-Bu ₃ P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with PhPd(<i>t</i> -Bu) ₃ P or Pd ₂ (dba) ₃ / <i>t</i> -Bu ₃ P/ArI as the Initiator. <i>Journal of the American Chemical Society</i> , 2012, 134, 13156-13159. | 6.6 | 89 |
| 29 | Structural Investigation of PAMAM Dendrimers in Aqueous Solutions Using Small-Angle Neutron Scattering: Effect of Generation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14772-14778. | 1.2 | 84 |
| 30 | Triple Framework Interpenetration and Immobilization of Open Metal Sites within a Microporous Mixed Metal-Organic Framework for Highly Selective Gas Adsorption. <i>Inorganic Chemistry</i> , 2012, 51, 4947-4953. | 1.9 | 83 |
| 31 | Enhanced Performance Consistency in Nanoparticle/TIPS Pentacene-Based Organic Thin Film Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 3617-3623. | 7.8 | 81 |
| 32 | The Conformation of the Poly(ethylene glycol) Chain in Mono-PEGylated Lysozyme and Mono-PEGylated Human Growth Hormone. <i>Bioconjugate Chemistry</i> , 2011, 22, 2317-2323. | 1.8 | 80 |
| 33 | A water-soluble polythiophene for organic field-effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 5270. | 1.9 | 78 |
| 34 | Living anionic polymerization. <i>Current Opinion in Solid State and Materials Science</i> , 1999, 4, 531-538. | 5.6 | 72 |
| 35 | Fast classification and compositional analysis of cornstover fractions using Fourier transform near-infrared techniques. <i>Bioresource Technology</i> , 2008, 99, 7323-7332. | 4.8 | 71 |
| 36 | Brønsted acidic room temperature ionic liquids derived from N,N-dimethylformamide and similar protophilic amides. <i>Green Chemistry</i> , 2006, 8, 599-602. | 4.6 | 69 |

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|----|--|-----|-----------|
| 37 | 1,3-Cyclohexadiene Polymers. 1. Anionic Polymerization. <i>Macromolecules</i> , 2001, 34, 782-786. | 2.2 | 68 |
| 38 | Electrostatic Swelling and Conformational Variation Observed in High-Generation Polyelectrolyte Dendrimers. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2020-2024. | 2.1 | 64 |
| 39 | Seamless Staircase Electrical Contact to Semiconducting Graphene Nanoribbons. <i>Nano Letters</i> , 2017, 17, 6241-6247. | 4.5 | 64 |
| 40 | Short-Time Glassy Dynamics in Viscous Protein Solutions with Competing Interactions. <i>Physical Review Letters</i> , 2015, 115, 228302. | 2.9 | 58 |
| 41 | Controllable conversion of quasi-freestanding polymer chains to graphene nanoribbons. <i>Nature Communications</i> , 2017, 8, 14815. | 5.8 | 58 |
| 42 | Magnetic/NIR-responsive drug carrier, multicolor cell imaging, and enhanced photothermal therapy of gold capped magnetite-fluorescent carbon hybrid nanoparticles. <i>Nanoscale</i> , 2015, 7, 7885-7895. | 2.8 | 56 |
| 43 | 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. | 4.0 | 54 |
| 44 | Design of superionic polymers—New insights from Walden plot analysis. <i>Solid State Ionics</i> , 2014, 262, 782-784. | 1.3 | 54 |
| 45 | Correlating high power conversion efficiency of PTB7:PC ₇₁ BM inverted organic solar cells with nanoscale structures. <i>Nanoscale</i> , 2015, 7, 15576-15583. | 2.8 | 54 |
| 46 | Ternary behavior and systematic nanoscale manipulation of domain structures in P3HT/PCBM/P3HT-b-PEO films. <i>Journal of Materials Chemistry</i> , 2012, 22, 13013. | 6.7 | 53 |
| 47 | 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. | 2.9 | 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. <i>CrystEngComm</i> , 2013, 15, 1114-1124. | 1.3 | 51 |
| 49 | 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. | 4.0 | 51 |
| 50 | X-ray and Neutron Scattering Study of the Formation of Core–Shell-Type Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2016, 138, 2638-2643. | 6.6 | 49 |
| 51 | Statistical radical copolymerization of styrene and methyl methacrylate in a room temperature ionic liquid. <i>Chemical Communications</i> , 2003, , 1356. | 2.2 | 48 |
| 52 | Intramolecular Structural Change of PAMAM Dendrimers in Aqueous Solutions Revealed by Small-Angle Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1751-1756. | 1.2 | 48 |
| 53 | Controlled Pd(0)/ <i>i</i> -Bu ₃ P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers with ArPd(<i>i</i> -Bu) ₃ PX or Pd ₂ (dba) ₃ / <i>i</i> -Bu ₃ P/ArX as the Initiator. <i>Macromolecules</i> , 2015, 48, 967-978. | 2.2 | 48 |
| 54 | Effect of Ionic Liquid Treatment on the Structures of Lignins in Solutions: Molecular Subunits Released from Lignin. <i>Langmuir</i> , 2012, 28, 11850-11857. | 1.6 | 47 |

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|----|---|-----|-----------|
| 55 | Assess the Intramolecular Cavity of a PAMAM Dendrimer in Aqueous Solution by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2008, 41, 8916-8920. | 2.2 | 44 |
| 56 | Quantitative Measurements of the Temperature-Dependent Microscopic and Macroscopic Dynamics of a Molecular Dopant in a Conjugated Polymer. <i>Macromolecules</i> , 2017, 50, 5476-5489. | 2.2 | 44 |
| 57 | Polyamidoamine (PAMAM) Dendrimer Conjugates of α -Clickable Agonists of the A ₃ Adenosine Receptor and Coactivation of the P2Y ₁₄ Receptor by a Tethered Nucleotide. <i>Bioconjugate Chemistry</i> , 2010, 21, 372-384. | 1.8 | 43 |
| 58 | Atomistic Structure of Bottlebrush Polymers: Simulations and Neutron Scattering Studies. <i>Macromolecules</i> , 2014, 47, 5808-5814. | 2.2 | 42 |
| 59 | 1,3-Cyclohexadiene Polymers. 3. Synthesis and Characterization of Poly(1,3-cyclohexadiene-block-styrene). <i>Macromolecules</i> , 2001, 34, 3540-3547. | 2.2 | 41 |
| 60 | Ionic Transport Across Interfaces of Solid Glass and Polymer Electrolytes for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2011, 158, A1143. | 1.3 | 41 |
| 61 | Fingerprinting Molecular Relaxation in Deformed Polymers. <i>Physical Review X</i> , 2017, 7, . | 2.8 | 41 |
| 62 | High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. <i>Macromolecules</i> , 2016, 49, 2646-2655. | 2.2 | 39 |
| 63 | Small Angle Neutron Scattering Study of Conformation of Oligo(ethylene glycol)-Grafted Polystyrene in Dilute Solutions: Effect of the Backbone Length. <i>Macromolecules</i> , 2008, 41, 9831-9836. | 2.2 | 38 |
| 64 | 1,3-Cyclohexadiene Polymers. 2. Near-Monodisperse Star and Star-Block Polymers Based on Poly(1,3-cyclohexadiene). <i>Macromolecules</i> , 2001, 34, 2482-2487. | 2.2 | 37 |
| 65 | First report of nitroxide mediated polymerization in an ionic liquid. <i>Polymer Bulletin</i> , 2004, 52, 9. | 1.7 | 37 |
| 66 | Synthesis and Structure-Property Relationships for Regular Multigraft Copolymers. <i>Macromolecular Symposia</i> , 2004, 215, 111-126. | 0.4 | 37 |
| 67 | Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. <i>Polymer Chemistry</i> , 2016, 7, 680-688. | 1.9 | 37 |
| 68 | The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. <i>Nano Letters</i> , 2018, 18, 2525-2529. | 4.5 | 37 |
| 69 | Distinguishing the monomer to cluster phase transition in concentrated lysozyme solutions by studying the temperature dependence of the short-time dynamics. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 064114. | 0.7 | 36 |
| 70 | High-color-purity and efficient solution-processable blue phosphorescent light-emitting diodes with Pt(II) complexes featuring ³ ππ* transitions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2448-2454. | 3.2 | 36 |
| 71 | Nanoarchitectonics of Molecular Aggregates: Science and Technology. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 390-401. | 0.9 | 35 |
| 72 | <i>i</i> -Bu ₃ P-Coordinated 2-Phenylaniline-Based Palladacycle Complex/ArBr as Robust Initiators for Controlled Pd(0)/ <i>i</i> -Bu ₃ P-Catalyzed Suzuki Cross-Coupling Polymerization of AB-Type Monomers. <i>ACS Macro Letters</i> , 2016, 5, 656-660. | 2.3 | 35 |

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|----|--|-----|-----------|
| 73 | Regioselective Baeyer-Villiger oxidation of lignin model compounds with tin beta zeolite catalyst and hydrogen peroxide. RSC Advances, 2017, 7, 25987-25997. | 1.7 | 35 |
| 74 | All acrylic-based thermoplastic elastomers with high upper service temperature and superior mechanical properties. Polymer Chemistry, 2017, 8, 5741-5748. | 1.9 | 34 |
| 75 | Core-Shell Cylinder Morphology in Poly(styrene- <i>b</i> -1,3-cyclohexadiene) Diblock Copolymers. Macromolecules, 1999, 32, 3216-3226. | 2.2 | 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. | 5.2 | 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. | 6.6 | 33 |
| 78 | The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). Polymer Chemistry, 2020, 11, 517-526. | 1.9 | 33 |
| 79 | Structural and Chemical Characterization of Hardwood from Tree Species with Applications as Bioenergy Feedstocks. PLoS ONE, 2012, 7, e52820. | 1.1 | 32 |
| 80 | Poly(1-adamantyl acrylate): Living Anionic Polymerization, Block Copolymerization, and Thermal Properties. Macromolecules, 2016, 49, 9406-9414. | 2.2 | 32 |
| 81 | Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. Physical Review Letters, 2018, 120, 086602. | 2.9 | 32 |
| 82 | Reduction-Triggered Self-Assembly of Nanoscale Molybdenum Oxide Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 10623-10629. | 6.6 | 31 |
| 83 | Deuteration and Polymers: Rich History with Great Potential. Macromolecules, 2021, 54, 3555-3584. | 2.2 | 31 |
| 84 | Model Linear Block Co-, Ter-, and Quaterpolymers of 1,3-Cyclohexadiene with Styrene, Isoprene, and Butadiene. Macromolecules, 2002, 35, 7928-7935. | 2.2 | 28 |
| 85 | <i>i</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. ACS Macro Letters, 2013, 2, 10-13. | 2.3 | 28 |
| 86 | Thermoreversible Gels Composed of Colloidal Silica Rods with Short-Range Attractions. Langmuir, 2016, 32, 8424-8435. | 1.6 | 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. | 2.4 | 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. | 6.6 | 27 |
| 89 | Engineering Edge States of Graphene Nanoribbons for Narrow-Band Photoluminescence. ACS Nano, 2020, 14, 5090-5098. | 7.3 | 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. | 2.3 | 26 |

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|-----|---|-----|-----------|
| 91 | 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. | 1.2 | 26 |
| 92 | Ag ²⁺ /CO ₃ -Catalyzed H/D Exchange of Five-Membered Heteroarenes at Ambient Temperature. <i>Organic Letters</i> , 2019, 21, 6745-6749. | 2.4 | 26 |
| 93 | Decoupling Poly(3-alkylthiophenes)™ Backbone and Side-Chain Conformation by Selective Deuteration and Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 11142-11152. | 2.2 | 26 |
| 94 | pH Responsiveness of polyelectrolyte dendrimers: a dynamical perspective. <i>Soft Matter</i> , 2011, 7, 618-622. | 1.2 | 25 |
| 95 | High-performance polymer photovoltaics based on rationally designed fullerene acceptors. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 171-178. | 3.0 | 25 |
| 96 | Improving mechanical properties of carbon nanotube fibers through simultaneous solid-state cycloaddition and crosslinking. <i>Nanotechnology</i> , 2017, 28, 145603. | 1.3 | 25 |
| 97 | Synthetic control of the size, shape, and polydispersity of anisotropic silica colloids. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 45-53. | 5.0 | 25 |
| 98 | Oxidization stability of atomically precise graphene nanoribbons. <i>Physical Review Materials</i> , 2018, 2, . | 0.9 | 25 |
| 99 | Effect of counterion valence on the pH responsiveness of polyamidoamine dendrimer structure. <i>Journal of Chemical Physics</i> , 2010, 132, 124901. | 1.2 | 24 |
| 100 | <i>tert</i> -Bu ₃ Pâ€Coordinated 2â€Phenylanilineâ€Based Palladacycle Complexes as Precatalyst for Pdâ€Catalyzed Coupling Reactions of Aryl Halides with Polyfluoroarenes by a Câ€H Activation Strategy. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1327-1332. | 1.2 | 24 |
| 101 | All-Acrylic Multigraft Copolymers: Effect of Side Chain Molecular Weight and Volume Fraction on Mechanical Behavior. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9566-9576. | 1.8 | 24 |
| 102 | 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. | 2.2 | 24 |
| 103 | Influence of Added Salt on Chain Conformations in Poly(ethylene oxide) Melts: SANS Analysis with Complications. <i>Macromolecules</i> , 2020, 53, 7141-7149. | 2.2 | 24 |
| 104 | Radius of Gyration of Polystyrene Combs and Centipedes in a ð Solvent. <i>Macromolecules</i> , 2005, 38, 1447-1450. | 2.2 | 23 |
| 105 | Morphologies of ABC Triblock Terpolymer Melts Containing Poly(Cyclohexadiene): Effects of Conformational Asymmetry. <i>Langmuir</i> , 2013, 29, 1995-2006. | 1.6 | 23 |
| 106 | Helical Poly(5-alkyl-2,3-thiophene)s: Controlled Synthesis and Structure Characterization. <i>Macromolecules</i> , 2016, 49, 4691-4698. | 2.2 | 23 |
| 107 | Palladium-catalyzed Br/D exchange of arenes: selective deuterium incorporation with versatile functional group tolerance and high efficiency. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1071-1075. | 2.3 | 22 |
| 108 | Association and Structure of Thermosensitive Comblike Block Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 2008, 41, 4824-4827. | 2.2 | 21 |

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|-----|---|------|-----------|
| 109 | Coherent dynamics of <i>meta</i> -toluidine investigated by quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2012, 136, 104502. | 1.2 | 21 |
| 110 | Structured water in polyelectrolyte dendrimers: Understanding small angle neutron scattering results through atomistic simulation. <i>Journal of Chemical Physics</i> , 2012, 136, 144901. | 1.2 | 21 |
| 111 | Accessing conjugated polymers with precisely controlled heterobifunctional chain ends via post-polymerization modification of the OTf group and controlled Pd(0)/t-Bu ₃ P-catalyzed Suzuki cross-coupling polymerization. <i>Chemical Communications</i> , 2015, 51, 14869-14872. | 2.2 | 21 |
| 112 | Polymer, Additives, and Processing Effects on N95 Filter Performance. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1022-1031. | 2.0 | 21 |
| 113 | Functionalized Congeners of P2Y ₁ Receptor Antagonists: 2-Alkynyl (<i>N</i> -Methanocarba 2 ϵ -Deoxyadenosine 3 ϵ ,5 ϵ -Bisphosphate Analogues and Conjugation to a Polyamidoamine (PAMAM) Dendrimer Carrier. <i>Bioconjugate Chemistry</i> , 2010, 21, 1190-1205. | 1.8 | 20 |
| 114 | Excited-State Dynamics of Water-Soluble Polythiophene Derivatives: Temperature and Side-Chain Length Effects. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14451-14460. | 1.2 | 20 |
| 115 | Selectively Deuterated Poly(μ -caprolactone)s: Synthesis and Isotope Effects on the Crystal Structures and Properties. <i>Macromolecules</i> , 2018, 51, 9393-9404. | 2.2 | 20 |
| 116 | Highly efficient solid-state neutron scintillators based on hybrid sol-gel nanocomposite materials. <i>Applied Physics Letters</i> , 2006, 89, 214104. | 1.5 | 19 |
| 117 | Asymmetrical self-assembly from fluorinated and sulfonated block copolymers in aqueous media. <i>Soft Matter</i> , 2011, 7, 7960. | 1.2 | 19 |
| 118 | 2-Isopropenyl-2-oxazoline: Well-Defined Homopolymers and Block Copolymers via Living Anionic Polymerization. <i>Macromolecules</i> , 2017, 50, 54-62. | 2.2 | 19 |
| 119 | Solution Properties of 1,3-Cyclohexadiene Polymers by Laser Light Scattering and Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2006, 39, 897-899. | 2.2 | 18 |
| 120 | All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. <i>Polymer Chemistry</i> , 2018, 9, 160-168. | 1.9 | 18 |
| 121 | Design of Atomically Precise Nanoscale Negative Differential Resistance Devices. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800172. | 1.3 | 18 |
| 122 | Direct writing of heterostructures in single atomically precise graphene nanoribbons. <i>Physical Review Materials</i> , 2019, 3, . | 0.9 | 18 |
| 123 | Giant isotope effect on phonon dispersion and thermal conductivity in methylammonium lead iodide. <i>Science Advances</i> , 2020, 6, eaaz1842. | 4.7 | 17 |
| 124 | Synthesis of Multideuterated (Hetero)aryl Bromides by Ag(I)-Catalyzed H/D Exchange. <i>Organic Letters</i> , 2021, 23, 1554-1560. | 2.4 | 17 |
| 125 | Supramolecular assembly of biohybrid photoconversion systems. <i>Energy and Environmental Science</i> , 2011, 4, 181-188. | 15.6 | 16 |
| 126 | Spatial distribution of intra-molecular water and polymeric components in polyelectrolyte dendrimers revealed by small angle scattering investigations. <i>Journal of Chemical Physics</i> , 2011, 135, 144903. | 1.2 | 16 |

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|-----|---|-----|-----------|
| 127 | Deuteration as a Means to Tune Crystallinity of Conducting Polymers. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4333-4340. | 2.1 | 16 |
| 128 | Ag(ⁱ)-Mediated hydrogen isotope exchange of mono-fluorinated (hetero)arenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6627-6633. | 1.5 | 16 |
| 129 | Infrared and multi-wavelength Raman spectroscopy of regio-regular P3HT and its deuterio derivatives. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 569-580. | 1.2 | 16 |
| 130 | Controlling molecular ordering in solution-state conjugated polymers. <i>Nanoscale</i> , 2015, 7, 15134-15141. | 2.8 | 15 |
| 131 | Micellization coupled with facilitation of J-aggregation for poly(1,3-cyclohexadiene)-based amphiphilic block copolymers. <i>Soft Matter</i> , 2008, 4, 1605. | 1.2 | 14 |
| 132 | Morphological origin for the stratification of P3HT:PCBM blend film studied by neutron reflectometry. <i>Applied Physics Letters</i> , 2013, 103, . | 1.5 | 14 |
| 133 | Dynamics of Water Associated with Lithium Ions Distributed in Polyethylene Oxide. <i>Physical Review Letters</i> , 2015, 115, 198301. | 2.9 | 14 |
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