

# Rachel A Segalman

## List of Publications by Year in descending order

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196  
papers

14,542  
citations

18482

62  
h-index

21540

114  
g-index

198  
all docs

198  
docs citations

198  
times ranked

14090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic thermoelectric materials for energy harvesting and temperature control. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	927
2	Patterning with block copolymer thin films. <i>Materials Science and Engineering Reports</i> , 2005, 48, 191-226.	31.8	885
3	Thermoelectricity in Molecular Junctions. <i>Science</i> , 2007, 315, 1568-1571.	12.6	839
4	Controlling inelastic light scattering quantum pathways in graphene. <i>Nature</i> , 2011, 471, 617-620.	27.8	492
5	Water-Processable Polymer–Nanocrystal Hybrids for Thermoelectrics. <i>Nano Letters</i> , 2010, 10, 4664-4667.	9.1	458
6	Block Copolymers for Organic Optoelectronics. <i>Macromolecules</i> , 2009, 42, 9205-9216.	4.8	393
7	Thermal Conductivity and Elastic Constants of PEDOT:PSS with High Electrical Conductivity. <i>Macromolecules</i> , 2015, 48, 585-591.	4.8	253
8	Probing the Chemistry of Molecular Heterojunctions Using Thermoelectricity. <i>Nano Letters</i> , 2008, 8, 715-719.	9.1	250
9	Enhanced Thermopower in PbSe Nanocrystal Quantum Dot Superlattices. <i>Nano Letters</i> , 2008, 8, 2283-2288.	9.1	244
10	Thermal Conductivity of High-Modulus Polymer Fibers. <i>Macromolecules</i> , 2013, 46, 4937-4943.	4.8	234
11	Effect of Interfacial Properties on Polymer–Nanocrystal Thermoelectric Transport. <i>Advanced Materials</i> , 2013, 25, 1629-1633.	21.0	219
12	Identifying the Length Dependence of Orbital Alignment and Contact Coupling in Molecular Heterojunctions. <i>Nano Letters</i> , 2009, 9, 1164-1169.	9.1	207
13	Polymer Chain Shape of Poly(3-alkylthiophenes) in Solution Using Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2013, 46, 1899-1907.	4.8	197
14	Power Factor Enhancement in Solution-Processed Organic n-Type Thermoelectrics Through Molecular Design. <i>Advanced Materials</i> , 2014, 26, 3473-3477.	21.0	196
15	Self-Assembly and Transport Limitations in Confined Nafion Films. <i>Macromolecules</i> , 2013, 46, 867-873.	4.8	192
16	Thermoelectric power factor optimization in PEDOT:PSS tellurium nanowire hybrid composites. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4024.	2.8	188
17	Molecular solar thermal (MOST) energy storage and release system. <i>Energy and Environmental Science</i> , 2012, 5, 8534.	30.8	171
18	Structure and Thermodynamics of Weakly Segregated Rod–Coil Block Copolymers. <i>Macromolecules</i> , 2005, 38, 10127-10137.	4.8	163

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19	Thermoelectricity in Fullerene-Metal Heterojunctions. <i>Nano Letters</i> , 2011, 11, 4089-4094.	9.1	163
20	Ordering and Melting of Block Copolymer Spherical Domains in 2 and 3 Dimensions. <i>Macromolecules</i> , 2003, 36, 3272-3288.	4.8	161
21	Room temperature thermal conductance of alkanedithiol self-assembled monolayers. <i>Applied Physics Letters</i> , 2006, 89, 173113.	3.3	159
22	Fundamentals of energy transport, energy conversion, and thermal properties in organic-inorganic heterojunctions. <i>Chemical Physics Letters</i> , 2010, 491, 109-122.	2.6	151
23	Tuning Polythiophene Crystallization through Systematic Side Chain Functionalization. <i>Macromolecules</i> , 2010, 43, 7895-7899.	4.8	148
24	Hierarchical Self-Assembly of a Biomimetic Diblock Copolypeptoid into Homochiral Superhelices. <i>Journal of the American Chemical Society</i> , 2010, 132, 16112-16119.	13.7	142
25	Effects of Lateral Confinement on Order in Spherical Domain Block Copolymer Thin Films. <i>Macromolecules</i> , 2003, 36, 6831-6839.	4.8	141
26	The relationship between morphology and performance of donor-acceptor rod-coil block copolymer solar cells. <i>Soft Matter</i> , 2009, 5, 4219.	2.7	127
27	Polypeptoids: a model system to study the effect of monomer sequence on polymer properties and self-assembly. <i>Soft Matter</i> , 2013, 9, 8400.	2.7	126
28	Controlling Nafion Structure and Properties via Wetting Interactions. <i>Macromolecules</i> , 2012, 45, 4681-4688.	4.8	120
29	Poly(3-alkylthiophene) Diblock Copolymers with Ordered Microstructures and Continuous Semiconducting Pathways. <i>Journal of the American Chemical Society</i> , 2011, 133, 9270-9273.	13.7	117
30	Interpretation of Stochastic Events in Single Molecule Conductance Measurements. <i>Nano Letters</i> , 2006, 6, 2362-2367.	9.1	115
31	Edge Effects on the Order and Freezing of a 2D Array of Block Copolymer Spheres. <i>Physical Review Letters</i> , 2003, 91, 196101.	7.8	111
32	Varying the ionic functionalities of conjugated polyelectrolytes leads to both p- and n-type carbon nanotube composites for flexible thermoelectrics. <i>Energy and Environmental Science</i> , 2015, 8, 2341-2346.	30.8	102
33	Subsecond Morphological Changes in Nafion during Water Uptake Detected by Small-Angle X-ray Scattering. <i>ACS Macro Letters</i> , 2012, 1, 33-36.	4.8	101
34	Dynamics of Rims and the Onset of Spinodal Dewetting at Liquid/Liquid Interfaces. <i>Macromolecules</i> , 1999, 32, 801-807.	4.8	100
35	Universalization of the Phase Diagram for a Model Rod-Coil Diblock Copolymer. <i>Macromolecules</i> , 2008, 41, 6809-6817.	4.8	99
36	Real-Time Observation of Poly(3-alkylthiophene) Crystallization and Correlation with Transient Optoelectronic Properties. <i>Macromolecules</i> , 2011, 44, 6653-6658.	4.8	99

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37	Nonlamellar Phases in Asymmetric Rod-Coil Block Copolymers at Increased Segregation Strengths. <i>Macromolecules</i> , 2007, 40, 6922-6929.	4.8	98
38	The Nature of Transport Variations in Molecular Heterojunction Electronics. <i>Nano Letters</i> , 2009, 9, 3406-3412.	9.1	97
39	Control of Crystallization and Melting Behavior in Sequence Specific Polypeptoids. <i>Macromolecules</i> , 2010, 43, 5627-5636.	4.8	97
40	Sequence of Hydrophobic and Hydrophilic Residues in Amphiphilic Polymer Coatings Affects Surface Structure and Marine Antifouling/Fouling Release Properties. <i>ACS Macro Letters</i> , 2014, 3, 364-368.	4.8	96
41	Material requirements for membrane separators in a water-splitting photoelectrochemical cell. <i>Energy and Environmental Science</i> , 2014, 7, 1468-1476.	30.8	95
42	Ionic Conductivity of Nanostructured Block Copolymer/Ionic Liquid Membranes. <i>Macromolecules</i> , 2011, 44, 5281-5288.	4.8	92
43	Ionic Conduction in Nanostructured Membranes Based on Polymerized Protic Ionic Liquids. <i>Macromolecules</i> , 2013, 46, 1543-1548.	4.8	91
44	Tethered tertiary amines as solid-state n-type dopants for solution-processable organic semiconductors. <i>Chemical Science</i> , 2016, 7, 1914-1919.	7.4	91
45	Anhydrous Proton Transport in Polymerized Ionic Liquid Block Copolymers: Roles of Block Length, Ionic Content, and Confinement. <i>Macromolecules</i> , 2016, 49, 395-404.	4.8	88
46	Hierarchical Nanostructure Control in Rod-Coil Block Copolymers with Magnetic Fields. <i>Nano Letters</i> , 2007, 7, 2742-2746.	9.1	86
47	Analysis of Order Formation in Block Copolymer Thin Films Using Resonant Soft X-ray Scattering. <i>Macromolecules</i> , 2007, 40, 2092-2099.	4.8	85
48	Robust production of purified H <sub>2</sub> in a stable, self-regulating, and continuously operating solar fuel generator. <i>Energy and Environmental Science</i> , 2014, 7, 297-301.	30.8	85
49	Phase Transitions in Asymmetric Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2006, 39, 7078-7083.	4.8	84
50	Determination of the persistence length of helical and non-helical polypeptoids in solution. <i>Soft Matter</i> , 2012, 8, 3673.	2.7	83
51	Thermoreversible Hyaluronic Acid-PNIPAAm Hydrogel Systems for 3D Stem Cell Culture. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800225.	7.6	83
52	The Role of Backbone Polarity on Aggregation and Conduction of Ions in Polymer Electrolytes. <i>Journal of the American Chemical Society</i> , 2020, 142, 7055-7065.	13.7	80
53	Phase Behavior of Polystyrene-block-poly(2-vinylpyridine) Copolymers in a Selective Ionic Liquid Solvent. <i>Macromolecules</i> , 2009, 42, 4604-4613.	4.8	77
54	Inverse Rectification in Donor-Acceptor Molecular Heterojunctions. <i>ACS Nano</i> , 2011, 5, 9256-9263.	14.6	77

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55	Impact of Hydrophobic Sequence Patterning on the Coil-to-Globule Transition of Protein-like Polymers. <i>Macromolecules</i> , 2012, 45, 5229-5236.	4.8	77
56	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. <i>Chemistry of Materials</i> , 2016, 28, 1256-1260.	6.7	75
57	Effect of Confinement on Proton Transport Mechanisms in Block Copolymer/Ionic Liquid Membranes. <i>Macromolecules</i> , 2012, 45, 3112-3120.	4.8	74
58	X-ray Scattering Reveals Ion-Induced Microstructural Changes During Electrochemical Gating of Poly(3-ethylthiophene). <i>Advanced Functional Materials</i> , 2018, 28, 1803687.	14.9	74
59	Self-Assembly of Rod-Coil Block Copolymers and Their Application in Electroluminescent Devices. <i>Macromolecules</i> , 2008, 41, 7152-7159.	4.8	70
60	Synthesis and Self-Assembly of Poly(diethylhexyloxy-phenylenevinylene)-poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	67
61	Ultralow Thermal Conductivity in Polycrystalline CdSe Thin Films with Controlled Grain Size. <i>Nano Letters</i> , 2013, 13, 2122-2127.	9.1	67
62	Topographic Templating of Islands and Holes in Highly Asymmetric Block Copolymer Films. <i>Macromolecules</i> , 2003, 36, 4498-4506.	4.8	66
63	Mechanism of Crystallization and Implications for Charge Transport in Poly(3-ethylhexylthiophene) Thin Films. <i>Advanced Functional Materials</i> , 2014, 24, 4515-4521.	14.9	66
64	Role of Backbone Chemistry and Monomer Sequence in Amphiphilic Oligopeptide- and Oligopeptoid-Functionalized PDMS- and PEO-Based Block Copolymers for Marine Antifouling and Fouling Release Coatings. <i>Macromolecules</i> , 2017, 50, 2656-2667.	4.8	66
65	Role of Side-Chain Branching on Thin-Film Structure and Electronic Properties of Polythiophenes. <i>Advanced Functional Materials</i> , 2015, 25, 2616-2624.	14.9	65
66	Role of Tethered Ion Placement on Polymerized Ionic Liquid Structure and Conductivity: Pendant versus Backbone Charge Placement. <i>ACS Macro Letters</i> , 2016, 5, 925-930.	4.8	63
67	Harvesting Waste Heat in Unipolar Ion Conducting Polymers. <i>ACS Macro Letters</i> , 2016, 5, 94-98.	4.8	62
68	Effect of an Ionic Liquid Solvent on the Phase Behavior of Block Copolymers. <i>Macromolecules</i> , 2010, 43, 5417-5423.	4.8	61
69	Surface Structure and Hydration of Sequence-Specific Amphiphilic Polypeptoids for Antifouling/Fouling Release Applications. <i>Langmuir</i> , 2015, 31, 9306-9311.	3.5	61
70	Morphology and Thermodynamic Properties of a Copolymer with an Electronically Conducting Block: Poly(3-ethylhexylthiophene)-poly(ethylene oxide). <i>Nano Letters</i> , 2012, 12, 4901-4906.	9.1	59
71	Electrochemical Effects in Thermoelectric Polymers. <i>ACS Macro Letters</i> , 2016, 5, 455-459.	4.8	59
72	Proton Hopping and Long-Range Transport in the Protic Ionic Liquid [Im][TFSI], Probed by Pulsed-Field Gradient NMR and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8201-8209.	2.6	58

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73	Thin Film Structure of Symmetric Rod-coil Block Copolymers. <i>Macromolecules</i> , 2007, 40, 3287-3295.	4.8	56
74	Role of Disorder Induced by Doping on the Thermoelectric Properties of Semiconducting Polymers. <i>Chemistry of Materials</i> , 2018, 30, 2965-2972.	6.7	55
75	Design of Polymeric Zwitterionic Solid Electrolytes with Superionic Lithium Transport. <i>ACS Central Science</i> , 2022, 8, 169-175.	11.3	54
76	Multivalent ion conduction in solid polymer systems. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 263-279.	3.4	53
77	Universal and Solution-Processable Precursor to Bismuth Chalcogenide Thermoelectrics. <i>Chemistry of Materials</i> , 2010, 22, 1943-1945.	6.7	52
78	Controlling the Thermoelectric Properties of Thiophene-Derived Single-Molecule Junctions. <i>Chemistry of Materials</i> , 2014, 26, 7229-7235.	6.7	52
79	Spin-On Organic Polymer Dopants for Silicon. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3741-3746.	4.6	51
80	Large-scale integration of flexible materials into rolled and corrugated thermoelectric modules. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	51
81	Persistence length of polyelectrolytes with precisely located charges. <i>Soft Matter</i> , 2013, 9, 90-98.	2.7	50
82	Directing Self-Assembly Toward Perfection. <i>Science</i> , 2008, 321, 919-920.	12.6	48
83	Tunable Phase Behavior of Polystyrene-polypeptoid Block Copolymers. <i>Macromolecules</i> , 2012, 45, 6027-6035.	4.8	48
84	Where Biology and Traditional Polymers Meet: The Potential of Associating Sequence-Defined Polymers for Materials Science. <i>Jacs Au</i> , 2021, 1, 1556-1571.	7.9	48
85	Ionic Liquid Distribution in Ordered Block Copolymer Solutions. <i>Macromolecules</i> , 2010, 43, 3750-3756.	4.8	45
86	Ion Transport in Dynamic Polymer Networks Based on Metal-ligand Coordination: Effect of Cross-Linker Concentration. <i>Macromolecules</i> , 2018, 51, 2017-2026.	4.8	45
87	Branched Side Chains Govern Counterion Position and Doping Mechanism in Conjugated Polythiophenes. <i>ACS Macro Letters</i> , 2018, 7, 1492-1497.	4.8	45
88	Tailoring the Seebeck Coefficient of PEDOT:PSS by Controlling Ion Stoichiometry in Ionic Liquid Additives. <i>Chemistry of Materials</i> , 2018, 30, 4816-4822.	6.7	45
89	Higher Order Liquid Crystalline Structure in Low-Polydispersity DEH-PPV. <i>Macromolecules</i> , 2006, 39, 4469-4479.	4.8	44
90	Spatial organization of cell-adhesive ligands for advanced cell culture. <i>Biotechnology Journal</i> , 2013, 8, 1411-1423.	3.5	44

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91	Bottom-up design of de novo thermoelectric hybrid materials using chalcogenide resurfacing. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3346-3357.	10.3	44
92	Structure-Conductivity Relationships of Block Copolymer Membranes Based on Hydrated Protic Polymerized Ionic Liquids: Effect of Domain Spacing. <i>Macromolecules</i> , 2016, 49, 2216-2223.	4.8	43
93	Decoupling Bulk Mechanics and Mono- and Multivalent Ion Transport in Polymers Based on Metal-Ligand Coordination. <i>Chemistry of Materials</i> , 2018, 30, 5759-5769.	6.7	43
94	Light-Controllable Ionic Conductivity in a Polymeric Ionic Liquid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5123-5128.	13.8	43
95	Crystalline Structure in Thin Films of DEH-PPV Homopolymer and PPV-b-PI Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2008, 41, 58-66.	4.8	42
96	Tunable Surface Properties from Sequence-Specific Polypeptoid-Polystyrene Block Copolymer Thin Films. <i>Macromolecules</i> , 2012, 45, 7072-7082.	4.8	42
97	Impact of Helical Chain Shape in Sequence-Defined Polymers on Polypeptoid Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2018, 51, 2089-2098.	4.8	42
98	Dihexyl-Substituted Poly(3,4-Propylenedioxythiophene) as a Dual Ionic and Electronic Conductive Cathode Binder for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2020, 32, 9176-9189.	6.7	42
99	Isothermal Crystallization Kinetics and Time-Temperature Transformation of the Conjugated Polymer: Poly(3-(2-ethyl)hexylthiophene). <i>Chemistry of Materials</i> , 2017, 29, 5654-5662.	6.7	41
100	Mixed Conductive Soft Solids by Electrostatically Driven Network Formation of a Conjugated Polyelectrolyte. <i>Chemistry of Materials</i> , 2018, 30, 1417-1426.	6.7	41
101	Controlling the Doping Mechanism in Poly(3-hexylthiophene) Thin-Film Transistors with Polymeric Ionic Liquid Dielectrics. <i>Chemistry of Materials</i> , 2019, 31, 8820-8829.	6.7	41
102	The Role of Hydrogen Bonding in Peptoid-Based Marine Antifouling Coatings. <i>Macromolecules</i> , 2019, 52, 1287-1295.	4.8	41
103	Conductivity Scaling Relationships for Nanostructured Block Copolymer/Ionic Liquid Membranes. <i>ACS Macro Letters</i> , 2012, 1, 937-943.	4.8	39
104	Can Self-Assembly Address the Permeability/Selectivity Trade-Offs in Polymer Membranes?. <i>Macromolecules</i> , 2020, 53, 5649-5654.	4.8	39
105	Glass Transition Temperature and Ion Binding Determine Conductivity and Lithium-Ion Transport in Polymer Electrolytes. <i>ACS Macro Letters</i> , 2021, 10, 104-109.	4.8	38
106	Synthesis and Characterization of Fluorinated Heterofluorene-Containing Donor-Acceptor Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 1871-1887.	3.2	37
107	Formation and Structure of Lyotropic Liquid Crystalline Mesophases in Donor-Acceptor Semiconducting Polymers. <i>Macromolecules</i> , 2016, 49, 7220-7229.	4.8	37
108	Effects of Side Chain Branch Point on Self Assembly, Structure, and Electronic Properties of High Mobility Semiconducting Polymers. <i>Macromolecules</i> , 2018, 51, 8597-8604.	4.8	37

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109	Sequence Effects on Block Copolymer Self-Assembly through Tuning Chain Conformation and Segregation Strength Utilizing Sequence-Defined Polypeptoids. <i>Macromolecules</i> , 2019, 52, 1277-1286.	4.8	37
110	Complexation of a Conjugated Polyelectrolyte and Impact on Optoelectronic Properties. <i>ACS Macro Letters</i> , 2019, 8, 88-94.	4.8	37
111	Exploring the Potential of Fulvalene Dimetals as Platforms for Molecular Solar Thermal Energy Storage: Computations, Syntheses, Structures, Kinetics, and Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 15587-15604.	3.3	35
112	Ion Pair Uptake in Ion Gel Devices Based on Organic Mixed Ionic-Electronic Conductors. <i>Advanced Functional Materials</i> , 2021, 31, 2104301.	14.9	35
113	Dynamics of Magnetic Alignment in Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2013, 46, 4462-4471.	4.8	34
114	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2018, 28, 1804142.	14.9	34
115	Effects of Counter-Ion Size on Delocalization of Carriers and Stability of Doped Semiconducting Polymers. <i>Advanced Electronic Materials</i> , 2020, 6, 2000595.	5.1	33
116	Formation of a Rigid Amorphous Fraction in Poly(3-(2-ethyl)hexylthiophene). <i>ACS Macro Letters</i> , 2014, 3, 684-688.	4.8	32
117	Anisotropic Thermal Transport in Thermoelectric Composites of Conjugated Polyelectrolytes/Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2016, 49, 4957-4963.	4.8	31
118	Light-Switchable and Self-Healable Polymer Electrolytes Based on Dynamic Diarylethene and Metal-Ion Coordination. <i>Journal of the American Chemical Society</i> , 2021, 143, 1562-1569.	13.7	31
119	Domain Size Control in Self-Assembling Rod-Coil Block Copolymer and Homopolymer Blends. <i>Macromolecules</i> , 2007, 40, 3320-3327.	4.8	30
120	Controlling Nanorod Self-Assembly in Polymer Thin Films. <i>Macromolecules</i> , 2011, 44, 7364-7371.	4.8	30
121	Nonaggregating Doped Polymers Based on Poly(3,4-Propylenedioxythiophene). <i>Macromolecules</i> , 2019, 52, 2203-2213.	4.8	29
122	Chain Stiffness of Donor-Acceptor Conjugated Polymers in Solution. <i>Macromolecules</i> , 2022, 55, 437-449.	4.8	29
123	Spatial Resolution of a Type II Heterojunction in a Single Bipolar Molecule. <i>Nano Letters</i> , 2009, 9, 3963-3967.	9.1	27
124	Large-Area, Nanometer-Scale Discrete Doping of Semiconductors via Block Copolymer Self-Assembly. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500421.	3.7	26
125	Rapid and Selective Deposition of Patterned Thin Films on Heterogeneous Substrates via Spin Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21177-21183.	8.0	26
126	Molecular Considerations for Mesophase Interaction and Alignment of Lyotropic Liquid Crystalline Semiconducting Polymers. <i>ACS Macro Letters</i> , 2017, 6, 619-624.	4.8	24



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127	Effects of Helical Chain Shape on Lamellae-Forming Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2019, 52, 2560-2568.	4.8	24
128	Structure determination of Pt-coated Au dumbbells via fluctuation X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 695-700.	2.4	23
129	In-situ resonant band engineering of solution-processed semiconductors generates high performance n-type thermoelectric nano-inks. <i>Nature Communications</i> , 2020, 11, 2069.	12.8	23
130	Enhancing the Ionic Conductivity of Poly(3,4-propylenedioxythiophenes) with Oligoether Side Chains for Use as Conductive Cathode Binders in Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2022, 34, 2672-2686.	6.7	23
131	End-to-End Distance Probability Distributions of Dilute Poly(ethylene oxide) in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2020, 142, 19631-19641.	13.7	22
132	Electrical properties of doped conjugated polyelectrolytes with modulated density of the ionic functionalities. <i>Chemical Communications</i> , 2015, 51, 17607-17610.	4.1	21
133	Room-level ventilation in schools and universities. <i>Atmospheric Environment: X</i> , 2022, 13, 100152.	1.4	21
134	Near-surface and internal lamellar structure and orientation in thin films of rod-coil block copolymers. <i>Soft Matter</i> , 2009, 5, 182-192.	2.7	20
135	Integrated microfluidic test-bed for energy conversion devices. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7050.	2.8	20
136	Confined crystallization in lamellae forming poly(3-(2-ethyl)hexylthiophene) (P3EHT) block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 205-215.	2.1	20
137	Mussel-Inspired Strategy for Stabilizing Ultrathin Polymer Films and Its Application to Spin-On Doping of Semiconductors. <i>Chemistry of Materials</i> , 2018, 30, 5285-5292.	6.7	20
138	Synthesis and characterization of 2,7-bis(pentafluorophenylethynyl)hexafluoroheterofluorenes: new materials with high electron affinities. <i>Chemical Communications</i> , 2008, , 5107.	4.1	19
139	Improving the Gas Barrier Properties of Nafion via Thermal Annealing: Evidence for Diffusion through Hydrophilic Channels and Matrix. <i>Macromolecules</i> , 2015, 48, 3303-3309.	4.8	19
140	Monomer Sequence Effects on Interfacial Width and Mixing in Self-Assembled Diblock Copolymers. <i>Macromolecules</i> , 2020, 53, 3262-3272.	4.8	19
141	Electronic, Ionic, and Mixed Conduction in Polymeric Systems. <i>Annual Review of Materials Research</i> , 2021, 51, 1-20.	9.3	19
142	Thermal Control of Confined Crystallization within P3EHT Block Copolymer Microdomains. <i>Macromolecules</i> , 2017, 50, 8097-8105.	4.8	18
143	Decoupling Mechanical and Conductive Dynamics of Polymeric Ionic Liquids via a Trivalent Anion Additive. <i>Macromolecules</i> , 2017, 50, 8979-8987.	4.8	18
144	Increased Order-Disorder Transition Temperature for a Rod-Coil Block Copolymer in the Presence of a Magnetic Field. <i>Macromolecules</i> , 2011, 44, 7503-7507.	4.8	17

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145	Melting Behavior of Poly(3-(2-ethyl)hexylthiophene). <i>Macromolecules</i> , 2014, 47, 8305-8310.	4.8	17
146	Confined Crystallization within Cylindrical P3EHT Block Copolymer Microdomains. <i>Macromolecules</i> , 2017, 50, 6128-6136.	4.8	17
147	Temperature-Dependence of Persistence Length Affects Phenomenological Descriptions of Aligning Interactions in Nematic Semiconducting Polymers. <i>Chemistry of Materials</i> , 2018, 30, 748-761.	6.7	17
148	Role of Side-Chain Architecture in Poly(ethylene oxide)-Based Copolymers. <i>Macromolecules</i> , 2020, 53, 4960-4967.	4.8	17
149	Amphiphilic Nitroxide-Bearing Siloxane-Based Block Copolymer Coatings for Enhanced Marine Fouling Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28790-28801.	8.0	17
150	Aqueous Formulation of Concentrated Semiconductive Fluid Using Polyelectrolyte Coacervation. <i>ACS Macro Letters</i> , 2021, 10, 1008-1014.	4.8	17
151	Square Grains in Asymmetric Rod-Coil Block Copolymers. <i>Langmuir</i> , 2008, 24, 1604-1607.	3.5	15
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