Rachel A Segalman

List of Publications by Year
in descending order

196	14,542	21215	24511
papers	citations	62 h-index	114 g-index

198	198	198	16416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial nanostructure and friction of a polymeric ionic liquid-ionic liquid mixture as a function of potential at Au(1 1 1) electrode interface. Journal of Colloid and Interface Science, 2022, 606, 1170-1178.	5.0	8
2	Chain Stiffness of Donorâ€“Acceptor Conjugated Polymers in Solution. Macromolecules, 2022, 55, 437-449.	2.2	29
3	Effects of Amphiphilic Polypeptoid Side Chains on Polymer Surface Chemistry and Hydrophilicity. ACS Applied Materials & Interfaces, 2022, 14, 7340-7349.	4.0	5
4	Role of Electron-Deficient Imidazoles in Ion Transport and Conductivity in Solid-State Polymer Electrolytes. Macromolecules, 2022, 55, 971-977.	2.2	5
5	Polycation radius of gyration in a polymeric ionic liquid (PIL): the PIL melt is not a theta solvent. Physical Chemistry Chemical Physics, 2022, 24, 4526-4532.	1.3	5
6	Room-level ventilation in schools and universities. Atmospheric Environment: X, 2022, 13, 100152.	0.8	21
7	Design of Polymeric Zwitterionic Solid Electrolytes with Superionic Lithium Transport. ACS Central Science, 2022, 8, 169-175.	5.3	54
8	Confinement Promotes Hydrogen Bond Network Formation and Grotthuss Proton Hopping in Ion-Conducting Block Copolymers. Macromolecules, 2022, 55, 615-622.	2.2	12
9	Enhancing the Ionic Conductivity of Poly(3,4-propylenedioxythiophenes) with Oligoether Side Chains for Use as Conductive Cathode Binders in Lithium-Ion Batteries. Chemistry of Materials, 2022, 34, 2672-2686.	3.2	23
10	Sequence Modulates Polypeptoid Hydration Water Structure and Dynamics. Biomacromolecules, 2022, 23, 1745-1756.	2.6	11
11	Discrete, Shallow Doping of Semiconductors via Cylinderâ€Forming Block Copolymer Selfâ€Assembly. Macromolecular Materials and Engineering, 2022, 307, .	1.7	3
12	Ionic Tunability of Conjugated Polyelectrolyte Solutions. Macromolecules, 2022, 55, 3437-3448.	2.2	11
13	Impact of Side Chain Chemistry on Lithium Transport in Mixed Ionâ€“Electron-Conducting Polymers. Chemistry of Materials, 2022, 34, 4672-4681.	3.2	9
14	Polymer Electrolyte Based on Cyano-Functionalized Polysiloxane with Enhanced Salt Dissolution and High Ionic Conductivity. Macromolecules, 2022, 55, 5723-5732.	2.2	5
15	Glass Transition Temperature and Ion Binding Determine Conductivity and Lithiumâ€“Ion Transport in Polymer Electrolytes. ACS Macro Letters, 2021, 10, 104-109.	2.3	38
16	The role of anions in light-driven conductivity in diarylethene-containing polymeric ionic liquids. Polymer Chemistry, 2021, 12, 719-724.	1.9	5
17	Versatile Synthetic Platform for Polymer Membrane Libraries Using Functional Networks. Macromolecules, 2021, 54, 866-873.	2.2	9
18	Optimum in ligand density for conductivity in polymer electrolytes. Molecular Systems Design and Engineering, 2021, 6, 1025-1038.	1.7	0

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19	Light-Switchable and Self-Healable Polymer Electrolytes Based on Dynamic Diarylethene and Metal-Ion Coordination. Journal of the American Chemical Society, 2021, 143, 1562-1569.	6.6	31
20	Redox-Active Polymeric Ionic Liquids with Pendant N-Substituted Phenothiazine. ACS Applied Materials & Interfaces, 2021, 13, 5319-5326.	4.0	3
21	Postdeposition Processing Influences the Relative Contributions of Electronic and Ionic Seebeck Effects in the Thermoelectric Response of Conducting Polymers. Journal of Physical Chemistry C, 2021, 125, 12289-12296.	1.5	5
22	Quantifying Polypeptoid Conformational Landscapes through Integrated Experiment and Simulation. Macromolecules, 2021, 54, 5011-5021.	2.2	9
23	Amphiphilic Nitroxide-Bearing Siloxane-Based Block Copolymer Coatings for Enhanced Marine Fouling Release. ACS Applied Materials & Interfaces, 2021, 13, 28790-28801.	4.0	17
24	Tuning the Double Gyroid Phase Window in Block Copolymers via Polymer Chain Conformation Near the Interface. Macromolecules, 2021, 54, 5388-5396.	2.2	15
25	Database Creation, Visualization, and Statistical Learning for Polymer Li⁺-Electrolyte Design. Chemistry of Materials, 2021, 33, 4863-4876.	3.2	8
26	Non-intuitive Trends in Floryâ€“Huggins Interaction Parameters in Polyether-Based Polymers. Macromolecules, 2021, 54, 6670-6677.	2.2	8
27	Electronic, Ionic, and Mixed Conduction in Polymeric Systems. Annual Review of Materials Research, 2021, 51, 1-20.	4.3	19
28	Aqueous Formulation of Concentrated Semiconductive Fluid Using Polyelectrolyte Coacervation. ACS Macro Letters, 2021, 10, 1008-1014.	2.3	17
29	Ion Pair Uptake in Ion Gel Devices Based on Organic Mixed Ionicâ€“Electronic Conductors. Advanced Functional Materials, 2021, 31, 2104301.	7.8	35
30	Where Biology and Traditional Polymers Meet: The Potential of Associating Sequence-Defined Polymers for Materials Science. Jacs Au, 2021, 1, 1556-1571.	3.6	48
31	Li+ and Oxidant Addition To Control Ionic and Electronic Conduction in Ionic Liquid-Functionalized Conjugated Polymers. Chemistry of Materials, 2021, 33, 6464-6474.	3.2	13
32	Dopamine-Mediated Polymer Coating Facilitates Area-Selective Atomic Layer Deposition. ACS Applied Polymer Materials, 2021, 3, 4924-4931.	2.0	8
33	New Approaches to EUV Photoresists: Studies of Polyacetals and Polypeptoids to Expand the Photopolymer Toolbox. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 71-74.	0.1	5
34	Lightâ€Controllable Ionic Conductivity in a Polymeric Ionic Liquid. Angewandte Chemie, 2020, 132, 5161-5166.	1.6	2
35	Lightâ€Controllable Ionic Conductivity in a Polymeric Ionic Liquid. Angewandte Chemie - International Edition, 2020, 59, 5123-5128.	7.2	43
36	Influence of pore morphology on the diffusion of water in triblock copolymer membranes. Journal of Chemical Physics, 2020, 152, 014904.	1.2	9

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37	Dihexyl-Substituted Poly(3,4-Propylenedioxythiophene) as a Dual Ionic and Electronic Conductive Cathode Binder for Lithium-Ion Batteries. Chemistry of Materials, 2020, 32, 9176-9189.	3.2	42
38	The Role of Polymerâ€“Ion Interaction Strength on the Viscoelasticity and Conductivity of Solvent-Free Polymer Electrolytes. Macromolecules, 2020, 53, 10574-10581.	2.2	15
39	Can Self-Assembly Address the Permeability/Selectivity Trade-Offs in Polymer Membranes?. Macromolecules, 2020, 53, 5649-5654.	2.2	39
40	Effects of Counterâ€ion Size on Delocalization of Carriers and Stability of Doped Semiconducting Polymers. Advanced Electronic Materials, 2020, 6, 2000595.	2.6	33
41	Directly Probing Polymer Thin Film Chemistry and Counterion Influence on Water Sorption. ACS Applied Polymer Materials, 2020, 2, 4752-4761.	2.0	13
42	End-to-End Distance Probability Distributions of Dilute Poly(ethylene oxide) in Aqueous Solution. Journal of the American Chemical Society, 2020, 142, 19631-19641.	6.6	22
43	On the growth, structure and dynamics of P3EHT crystals. Journal of Materials Chemistry C, 2020, 8, 8155-8170.	2.7	7
44	Insensitivity of Sterically Defined Helical Chain Conformations to Solvent Quality in Dilute Solution. ACS Macro Letters, 2020, 9, 849-854.	2.3	8
45	Role of Side-Chain Architecture in Poly(ethylene oxide)-Based Copolymers. Macromolecules, 2020, 53, 4960-4967.	2.2	17
46	The Role of Backbone Polarity on Aggregation and Conduction of Ions in Polymer Electrolytes. Journal of the American Chemical Society, 2020, 142, 7055-7065.	6.6	80
47	In-situ resonant band engineering of solution-processed semiconductors generates high performance n-type thermoelectric nano-inks. Nature Communications, 2020, 11, 2069.	5.8	23
48	Monomer Sequence Effects on Interfacial Width and Mixing in Self-Assembled Diblock Copolymers. Macromolecules, 2020, 53, 3262-3272.	2.2	19
49	Absence of Electrostatic Rigidity in Conjugated Polyelectrolytes with Pendant Charges. ACS Macro Letters, 2019, 8, 1147-1152.	2.3	15
50	Controlling the Doping Mechanism in Poly(3-hexylthiophene) Thin-Film Transistors with Polymeric Ionic Liquid Dielectrics. Chemistry of Materials, 2019, 31, 8820-8829.	3.2	41
51	Sequence Effects on Block Copolymer Self-Assembly through Tuning Chain Conformation and Segregation Strength Utilizing Sequence-Defined Polypeptoids. Macromolecules, 2019, 52, 1277-1286.	2.2	37
52	The Role of Hydrogen Bonding in Peptoid-Based Marine Antifouling Coatings. Macromolecules, 2019, 52, 1287-1295.	2.2	41
53	Rapid and Selective Deposition of Patterned Thin Films on Heterogeneous Substrates via Spin Coating. ACS Applied Materials & Interfaces, 2019, 11, 21177-21183.	4.0	26
54	Effects of Helical Chain Shape on Lamellae-Forming Block Copolymer Self-Assembly. Macromolecules, 2019, 52, 2560-2568.	2.2	24

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55	Nonaggregating Doped Polymers Based on Poly(3,4-Propylenedioxythiophene). Macromolecules, 2019, 52, 2203-2213.	2.2	29
56	Multivalent ion conduction in solid polymer systems. Molecular Systems Design and Engineering, 2019, 4, 263-279.	1.7	53
57	Complexation of a Conjugated Polyelectrolyte and Impact on Optoelectronic Properties. ACS Macro Letters, 2019, 8, 88-94.	2.3	37
58	Ordered polymer-based spin-on dopants. , 2019, , .		1
59	Ultra-thin conformal coating for spin-on doping applications. , 2019, , .		1
60	Ion Transport in Dynamic Polymer Networks Based on Metalâ€“Ligand Coordination: Effect of Cross-Linker Concentration. Macromolecules, 2018, 51, 2017-2026.	2.2	45
61	Impact of Helical Chain Shape in Sequence-Defined Polymers on Polypeptoid Block Copolymer Self-Assembly. Macromolecules, 2018, 51, 2089-2098.	2.2	42
62	Role of Disorder Induced by Doping on the Thermoelectric Properties of Semiconducting Polymers. Chemistry of Materials, 2018, 30, 2965-2972.	3.2	55
63	Mixed Conductive Soft Solids by Electrostatically Driven Network Formation of a Conjugated Polyelectrolyte. Chemistry of Materials, 2018, 30, 1417-1426.	3.2	41
64	Temperature-Dependence of Persistence Length Affects Phenomenological Descriptions of Aligning Interactions in Nematic Semiconducting Polymers. Chemistry of Materials, 2018, 30, 748-761.	3.2	17
65	Thermoreversible Hyaluronic Acidâ€PNIPAAm Hydrogel Systems for 3D Stem Cell Culture. Advanced Healthcare Materials, 2018, 7, e1800225.	3.9	83
66	Branched Side Chains Govern Counterion Position and Doping Mechanism in Conjugated Polythiophenes. ACS Macro Letters, 2018, 7, 1492-1497.	2.3	45
67	Effects of Side Chain Branch Point on Self Assembly, Structure, and Electronic Properties of High Mobility Semiconducting Polymers. Macromolecules, 2018, 51, 8597-8604.	2.2	37
68	Xâ€Ray Scattering Reveals Ionâ€Induced Microstructural Changes During Electrochemical Gating of Poly(3â€Hexylthiophene). Advanced Functional Materials, 2018, 28, 1803687.	7.8	74
69	Photocrosslinking polymeric ionic liquids via anthracene cycloaddition for organic electronics. Journal of Materials Chemistry C, 2018, 6, 8762-8769.	2.7	13
70	Tailoring the Seebeck Coefficient of PEDOT:PSS by Controlling Ion Stoichiometry in Ionic Liquid Additives. Chemistry of Materials, 2018, 30, 4816-4822.	3.2	45
71	Mussel-Inspired Strategy for Stabilizing Ultrathin Polymer Films and Its Application to Spin-On Doping of Semiconductors. Chemistry of Materials, 2018, 30, 5285-5292.	3.2	20
72	Decoupling Bulk Mechanics and Mono- and Multivalent Ion Transport in Polymers Based on Metalâ€“Ligand Coordination. Chemistry of Materials, 2018, 30, 5759-5769.	3.2	43

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73	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. Advanced Functional Materials, 2018, 28, 1804142.	7.8	34
74	Bottom-up design of de novo thermoelectric hybrid materials using chalcogenide resurfacing. Journal of Materials Chemistry A, 2017, 5, 3346-3357.	5.2	44
75	Molecular Considerations for Mesophase Interaction and Alignment of Lyotropic Liquid Crystalline Semiconducting Polymers. ACS Macro Letters, 2017, 6, 619-624.	2.3	24
76	Isothermal Crystallization Kinetics and Timeâ€“Temperatureâ€“Transformation of the Conjugated Polymer: Poly(3-(2â€²-ethyl)hexylthiophene). Chemistry of Materials, 2017, 29, 5654-5662.	3.2	41
77	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. Macromolecules, 2017, 50, 2656-2667.	2.2	66
78	Tuning the optoelectronic properties of P3EHT block copolymers by surface modification. International Journal of Nanotechnology, 2017, 14, 540.	0.1	3
79	Thermal Control of Confined Crystallization within P3EHT Block Copolymer Microdomains. Macromolecules, 2017, 50, 8097-8105.	2.2	18
80	Oligopeptide-modified hydrophobic and hydrophilic polymers as antifouling coatings. Green Materials, 2017, 5, 31-43.	1.1	9
81	Confined Crystallization within Cylindrical P3EHT Block Copolymer Microdomains. Macromolecules, 2017, 50, 6128-6136.	2.2	17
82	Decoupling Mechanical and Conductive Dynamics of Polymeric Ionic Liquids via a Trivalent Anion Additive. Macromolecules, 2017, 50, 8979-8987.	2.2	18
83	Largeâ€scale integration of flexible materials into rolled and corrugated thermoelectric modules. Journal of Applied Polymer Science, 2017, 134, .	1.3	51
84	Confined crystallization in lamellae forming poly(3â€(2â€²â€ethyl)hexylthiophene) (<scp>P3EHT</scp>) block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 205-215.	2.4	20
85	In memory of professor Edward J. Kramer. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 117-117.	2.4	0
86	Formation and Structure of Lyotropic Liquid Crystalline Mesophases in Donorâ€“Acceptor Semiconducting Polymers. Macromolecules, 2016, 49, 7220-7229.	2.2	37
87	Role of Tethered Ion Placement on Polymerized Ionic Liquid Structure and Conductivity: Pendant versus Backbone Charge Placement. ACS Macro Letters, 2016, 5, 925-930.	2.3	63
88	Organic thermoelectric materials for energy harvesting and temperature control. Nature Reviews Materials, 2016, 1, .	23.3	927
89	Anisotropic Thermal Transport in Thermoelectric Composites of Conjugated Polyelectrolytes/Single-Walled Carbon Nanotubes. Macromolecules, 2016, 49, 4957-4963.	2.2	31
90	Harvesting Waste Heat in Unipolar Ion Conducting Polymers. ACS Macro Letters, 2016, 5, 94-98.	2.3	62

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91	Electrochemical Effects in Thermoelectric Polymers. ACS Macro Letters, 2016, 5, 455-459.	2.3	59
92	In memory of professor Edward J. Kramer. Journal of Polymer Science Part A, 2016, 54, 227-227.	2.5	0
93	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. Chemistry of Materials, 2016, 28, 1256-1260.	3.2	75
94	Structureâ€“Conductivity Relationships of Block Copolymer Membranes Based on Hydrated Protic Polymerized Ionic Liquids: Effect of Domain Spacing. Macromolecules, 2016, 49, 2216-2223.	2.2	43
95	Tethered tertiary amines as solid-state n-type dopants for solution-processable organic semiconductors. Chemical Science, 2016, 7, 1914-1919.	3.7	91
96	Anhydrous Proton Transport in Polymerized Ionic Liquid Block Copolymers: Roles of Block Length, Ionic Content, and Confinement. Macromolecules, 2016, 49, 395-404.	2.2	88
97	Largeâ€Area, Nanometerâ€Scale Discrete Doping of Semiconductors via Block Copolymer Selfâ€Assembly. Advanced Materials Interfaces, 2015, 2, 1500421.	1.9	26
98	Thermal Conductivity and Elastic Constants of PEDOT:PSS with High Electrical Conductivity. Macromolecules, 2015, 48, 585-591.	2.2	253
99	Varying the ionic functionalities of conjugated polyelectrolytes leads to both p- and n-type carbon nanotube composites for flexible thermoelectrics. Energy and Environmental Science, 2015, 8, 2341-2346.	15.6	102
100	Role of Sideâ€Chain Branching on Thinâ€Film Structure and Electronic Properties of Polythiophenes. Advanced Functional Materials, 2015, 25, 2616-2624.	7.8	65
101	Electrical properties of doped conjugated polyelectrolytes with modulated density of the ionic functionalities. Chemical Communications, 2015, 51, 17607-17610.	2.2	21
102	Improving the Gas Barrier Properties of Nafion via Thermal Annealing: Evidence for Diffusion through Hydrophilic Channels and Matrix. Macromolecules, 2015, 48, 3303-3309.	2.2	19
103	Surface Structure and Hydration of Sequence-Specific Amphiphilic Polypeptoids for Antifouling/Fouling Release Applications. Langmuir, 2015, 31, 9306-9311.	1.6	61
104	Controlling the Thermoelectric Properties of Thiophene-Derived Single-Molecule Junctions. Chemistry of Materials, 2014, 26, 7229-7235.	3.2	52
105	Exploring the Potential of Fulvalene Dimetals as Platforms for Molecular Solar Thermal Energy Storage: Computations, Syntheses, Structures, Kinetics, and Catalysis. Chemistry - A European Journal, 2014, 20, 15587-15604.	1.7	35
106	Melting Behavior of Poly(3-(2â€²-ethyl)hexylthiophene). Macromolecules, 2014, 47, 8305-8310.	2.2	17
107	Control of thermal and optoelectronic properties in conjugated poly (3-alkylthiophenes). MRS Communications, 2014, 4, 45-50.	0.8	6
108	Mechanism of Crystallization and Implications for Charge Transport in Poly(3â€ethylhexylthiophene) Thin Films. Advanced Functional Materials, 2014, 24, 4515-4521.	7.8	66

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109	Robust production of purified H₂in a stable, self-regulating, and continuously operating solar fuel generator. Energy and Environmental Science, 2014, 7, 297-301.	15.6	85
110	Material requirements for membrane separators in a water-splitting photoelectrochemical cell. Energy and Environmental Science, 2014, 7, 1468-1476.	15.6	95
111	Sequence of Hydrophobic and Hydrophilic Residues in Amphiphilic Polymer Coatings Affects Surface Structure and Marine Antifouling/Fouling Release Properties. ACS Macro Letters, 2014, 3, 364-368.	2.3	96
112	Formation of a Rigid Amorphous Fraction in Poly(3-(2â€²-ethyl)hexylthiophene). ACS Macro Letters, 2014, 3, 684-688.	2.3	32
113	Power Factor Enhancement in Solutionâ€Processed Organic nâ€Type Thermoelectrics Through Molecular Design. Advanced Materials, 2014, 26, 3473-3477.	11.1	196
114	Polypeptoids: a model system to study the effect of monomer sequence on polymer properties and self-assembly. Soft Matter, 2013, 9, 8400.	1.2	126
115	Ionic Conduction in Nanostructured Membranes Based on Polymerized Protic Ionic Liquids. Macromolecules, 2013, 46, 1543-1548.	2.2	91
116	Spin-On Organic Polymer Dopants for Silicon. Journal of Physical Chemistry Letters, 2013, 4, 3741-3746.	2.1	51
117	Self-Assembly and Transport Limitations in Confined Nafion Films. Macromolecules, 2013, 46, 867-873.	2.2	192
118	Thermoelectric power factor optimization in PEDOT:PSS tellurium nanowire hybrid composites. Physical Chemistry Chemical Physics, 2013, 15, 4024.	1.3	188
119	Persistence length of polyelectrolytes with precisely located charges. Soft Matter, 2013, 9, 90-98.	1.2	50
120	Polymer Chain Shape of Poly(3-alkylthiophenes) in Solution Using Small-Angle Neutron Scattering. Macromolecules, 2013, 46, 1899-1907.	2.2	197
121	Ultralow Thermal Conductivity in Polycrystalline CdSe Thin Films with Controlled Grain Size. Nano Letters, 2013, 13, 2122-2127.	4.5	67
122	Integrated microfluidic test-bed for energy conversion devices. Physical Chemistry Chemical Physics, 2013, 15, 7050.	1.3	20
123	Effect of Interfacial Properties on Polymerâ€“Nanocrystal Thermoelectric Transport. Advanced Materials, 2013, 25, 1629-1633.	11.1	219
124	Dynamics of Magnetic Alignment in Rodâ€“Coil Block Copolymers. Macromolecules, 2013, 46, 4462-4471.	2.2	34
125	Thermal Conductivity of High-Modulus Polymer Fibers. Macromolecules, 2013, 46, 4937-4943.	2.2	234
126	Deciphering the three-dimensional morphology of free-standing block copolymer thin films by transmission electron microscopy. Micron, 2013, 44, 442-450.	1.1	7

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127	Spatial organization of cellâ€adhesive ligands for advanced cell culture. Biotechnology Journal, 2013, 8, 1411-1423.	1.8	44
128	A High-Performance Solution-Processable Hybrid Thermoelectric Material. , 2012, , .		2
129	Structure determination of Pt-coated Au dumbbellsviafluctuation X-ray scattering. Journal of Synchrotron Radiation, 2012, 19, 695-700.	1.0	23
130	Controlling Nafion Structure and Properties via Wetting Interactions. Macromolecules, 2012, 45, 4681-4688.	2.2	120
131	Tunable Surface Properties from Sequence-Specific Polypeptoidâ€“Polystyrene Block Copolymer Thin Films. Macromolecules, 2012, 45, 7072-7082.	2.2	42
132	Effect of Confinement on Proton Transport Mechanisms in Block Copolymer/Ionic Liquid Membranes. Macromolecules, 2012, 45, 3112-3120.	2.2	74
133	Conductivity Scaling Relationships for Nanostructured Block Copolymer/Ionic Liquid Membranes. ACS Macro Letters, 2012, 1, 937-943.	2.3	39
134	Impact of Hydrophobic Sequence Patterning on the Coil-to-Globule Transition of Protein-like Polymers. Macromolecules, 2012, 45, 5229-5236.	2.2	77
135	Morphology and Thermodynamic Properties of a Copolymer with an Electronically Conducting Block: Poly(3-ethylhexylthiophene)-block-poly(ethylene oxide). Nano Letters, 2012, 12, 4901-4906.	4.5	59
136	Proton Hopping and Long-Range Transport in the Protic Ionic Liquid [Im][TFSI], Probed by Pulsed-Field Gradient NMR and Quasi-Elastic Neutron Scattering. Journal of Physical Chemistry B, 2012, 116, 8201-8209.	1.2	58
137	Tunable Phase Behavior of Polystyreneâ€“Polypeptoid Block Copolymers. Macromolecules, 2012, 45, 6027-6035.	2.2	48
138	Subsecond Morphological Changes in Nafion during Water Uptake Detected by Small-Angle X-ray Scattering. ACS Macro Letters, 2012, 1, 33-36.	2.3	101
139	Determination of the persistence length of helical and non-helical polypeptoids in solution. Soft Matter, 2012, 8, 3673.	1.2	83
140	Molecular solar thermal (MOST) energy storage and release system. Energy and Environmental Science, 2012, 5, 8534.	15.6	171
141	Ionic Conductivity of Nanostructured Block Copolymer/Ionic Liquid Membranes. Macromolecules, 2011, 44, 5281-5288.	2.2	92
142	Poly(3-alkylthiophene) Diblock Copolymers with Ordered Microstructures and Continuous Semiconducting Pathways. Journal of the American Chemical Society, 2011, 133, 9270-9273.	6.6	117
143	Inverse Rectification in Donorâ€“Acceptor Molecular Heterojunctions. ACS Nano, 2011, 5, 9256-9263.	7.3	77
144	Controlling Nanorod Self-Assembly in Polymer Thin Films. Macromolecules, 2011, 44, 7364-7371.	2.2	30

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145	Increased Orderâ€“Disorder Transition Temperature for a Rodâ€“Coil Block Copolymer in the Presence of a Magnetic Field. Macromolecules, 2011, 44, 7503-7507.	2.2	17
146	Thermoelectricity in Fullereneâ€“Metal Heterojunctions. Nano Letters, 2011, 11, 4089-4094.	4.5	163
147	Real-Time Observation of Poly(3-alkylthiophene) Crystallization and Correlation with Transient Optoelectronic Properties. Macromolecules, 2011, 44, 6653-6658.	2.2	99
148	Controlling inelastic light scattering quantum pathways in graphene. Nature, 2011, 471, 617-620.	13.7	492
149	Fundamentals of energy transport, energy conversion, and thermal properties in organicâ€“inorganic heterojunctions. Chemical Physics Letters, 2010, 491, 109-122.	1.2	151
150	Thermoelectricity at the Organic-Inorganic Interface. , 2010, , .		1
151	Water-Processable Polymerâ^'Nanocrystal Hybrids for Thermoelectrics. Nano Letters, 2010, 10, 4664-4667.	4.5	458
152	Control of Crystallization and Melting Behavior in Sequence Specific Polypeptoids. Macromolecules, 2010, 43, 5627-5636.	2.2	97
153	Synthesis and Characterization of Fluorinated Heterofluorene-Containing Donorâ^'Acceptor Systems. Journal of Organic Chemistry, 2010, 75, 1871-1887.	1.7	37
154	Effect of an Ionic Liquid Solvent on the Phase Behavior of Block Copolymers. Macromolecules, 2010, 43, 5417-5423.	2.2	61
155	Ionic Liquid Distribution in Ordered Block Copolymer Solutions. Macromolecules, 2010, 43, 3750-3756.	2.2	45
156	Liquid Crystalline Orientation of Rod Blocks within Lamellar Nanostructures from Rodâ^'Coil Diblock Copolymers. Macromolecules, 2010, 43, 6531-6534.	2.2	12
157	Hierarchical Self-Assembly of a Biomimetic Diblock Copolypeptoid into Homochiral Superhelices. Journal of the American Chemical Society, 2010, 132, 16112-16119.	6.6	142
158	Tuning Polythiophene Crystallization through Systematic Side Chain Functionalization. Macromolecules, 2010, 43, 7895-7899.	2.2	148
159	Universal and Solution-Processable Precursor to Bismuth Chalcogenide Thermoelectrics. Chemistry of Materials, 2010, 22, 1943-1945.	3.2	52
160	Phase Behavior of Polystyrene-block-poly(2-vinylpyridine) Copolymers in a Selective Ionic Liquid Solvent. Macromolecules, 2009, 42, 4604-4613.	2.2	77
161	Block Copolymers for Organic Optoelectronics. Macromolecules, 2009, 42, 9205-9216.	2.2	393
162	Synthesis and Self-Assembly of Poly(diethylhexyloxy-p-phenylenevinylene)-b-poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	67

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163	Identifying the Length Dependence of Orbital Alignment and Contact Coupling in Molecular Heterojunctions. Nano Letters, 2009, 9, 1164-1169.	4.5	207
164	The Nature of Transport Variations in Molecular Heterojunction Electronics. Nano Letters, 2009, 9, 3406-3412.	4.5	97
165	The relationship between morphology and performance of donorâ€“acceptor rodâ€“coil block copolymer solar cells. Soft Matter, 2009, 5, 4219.	1.2	127
166	Rheological properties and the mechanical signatures of phase transitions in weakly-segregated rod-coil block copolymers. Soft Matter, 2009, 5, 2453.	1.2	11
167	Near-surface and internal lamellar structure and orientation in thin films of rodâ€“coil block copolymers. Soft Matter, 2009, 5, 182-192.	1.2	20
168	Spatial Resolution of a Type II Heterojunction in a Single Bipolar Molecule. Nano Letters, 2009, 9, 3963-3967.	4.5	27
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