

Todd Emrick

List of Publications by Year in descending order

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191
papers

9,482
citations

34105

52
h-index

45317

90
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198
all docs

198
docs citations

198
times ranked

11857
citing authors

#	ARTICLE	IF	CITATIONS
1	PEG- and Peptide-Grafted Aliphatic Polyesters by Click Chemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 7404-7410.	13.7	545
2	Self-assembly of nanoparticles at interfaces. <i>Soft Matter</i> , 2007, 3, 1231.	2.7	512
3	Stabilizing Liquid Drops in Nonequilibrium Shapes by the Interfacial Jamming of Nanoparticles. <i>Science</i> , 2013, 342, 460-463.	12.6	344
4	Entropy-driven segregation of nanoparticles to cracks in multilayered composite polymer structures. <i>Nature Materials</i> , 2006, 5, 229-233.	27.5	331
5	Ultrathin Cross-Linked Nanoparticle Membranes. <i>Journal of the American Chemical Society</i> , 2003, 125, 12690-12691.	13.7	267
6	Fulleropyrrolidine interlayers: Tailoring electrodes to raise organic solar cell efficiency. <i>Science</i> , 2014, 346, 441-444.	12.6	266
7	An A2 + B3 Approach to Hyperbranched Aliphatic Polyethers Containing Chain End Epoxy Substituents. <i>Macromolecules</i> , 1999, 32, 6380-6382.	4.8	263
8	Adsorption Energy of Nano- and Microparticles at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2010, 26, 12518-12522.	3.5	244
9	Nanoparticle Assembly at Fluid Interfaces: Structure and Dynamics. <i>Langmuir</i> , 2005, 21, 191-194.	3.5	241
10	Understanding Interface Engineering for High-Performance Fullerene/Perovskite Planar Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501606.	19.5	180
11	Nitroxide-Mediated Radical Polymerization from CdSe Nanoparticles. <i>Chemistry of Materials</i> , 2004, 16, 1240-1243.	6.7	133
12	Reconfigurable Printed Liquids. <i>Advanced Materials</i> , 2018, 30, e1707603.	21.0	132
13	Synthesis and photophysical property of well-defined donor-acceptor diblock copolymer based on regioregular poly(3-hexylthiophene) and fullerene. <i>Journal of Materials Chemistry</i> , 2009, 19, 1483.	6.7	125
14	Synthesis of C60-end capped P3HT and its application for high performance of P3HT/PCBM bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 3287.	6.7	116
15	High Efficiency Tandem Thin-Perovskite/Polymer Solar Cells with a Graded Recombination Layer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7070-7076.	8.0	111
16	Synthesis and Characterization of CdSe Nanorods Functionalized with Regioregular Poly(3-hexylthiophene). <i>Chemistry of Materials</i> , 2007, 19, 3712-3716.	6.7	110
17	Conjugated Polymer Zwitterions: Efficient Interlayer Materials in Organic Electronics. <i>Accounts of Chemical Research</i> , 2016, 49, 2478-2488.	15.6	109
18	Kinetically Trapped Co-continuous Polymer Morphologies through Intraphase Gelation of Nanoparticles. <i>Nano Letters</i> , 2011, 11, 1997-2003.	9.1	107

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19	Finely Tuned Polymer Interlayers Enhance Solar Cell Efficiency. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11485-11489.	13.8	107
20	Nanoparticle Stripes, Grids, and Ribbons Produced by Flow Coating. <i>Advanced Materials</i> , 2010, 22, 4600-4604.	21.0	105
21	Directly Measuring the Complete Stress-Strain Response of Ultrathin Polymer Films. <i>Macromolecules</i> , 2015, 48, 6534-6540.	4.8	101
22	Underwater Superoleophobic Surfaces Prepared from Polymer Zwitterion/Dopamine Composite Coatings. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500521.	3.7	100
23	The preparation of hyperbranched aromatic and aliphatic polyether epoxies by chloride-catalyzed proton transfer polymerization from AB _n and A ₂ + B ₃ monomers. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4850-4869.	2.3	98
24	Deoxybenzoin-Based Polyarylates as Halogen-Free Fire-Resistant Polymers. <i>Macromolecules</i> , 2006, 39, 3553-3558.	4.8	96
25	Conjugated Polymeric Zwitterions as Efficient Interlayers in Organic Solar Cells. <i>Advanced Materials</i> , 2013, 25, 6868-6873.	21.0	92
26	Soluble Camptothecin Derivatives Prepared by Click Cycloaddition Chemistry on Functional Aliphatic Polyesters. <i>Bioconjugate Chemistry</i> , 2007, 18, 263-267.	3.6	91
27	PolyMPC-Doxorubicin Prodrugs. <i>Bioconjugate Chemistry</i> , 2012, 23, 1753-1763.	3.6	89
28	Synthesis and Characterization of Halogen-Free Antiflammable Polyphosphonates Containing 4,4'-Bishydroxydeoxybenzoin. <i>Macromolecules</i> , 2006, 39, 5974-5975.	4.8	80
29	Understanding the Effect of Polylysine Architecture on DNA Binding Using Molecular Dynamics Simulations. <i>Biomacromolecules</i> , 2011, 12, 3870-3879.	5.4	78
30	Novel Zwitterionic Copolymers with Dihydrolipoic Acid: Synthesis and Preparation of Nonfouling Nanorods. <i>Macromolecules</i> , 2013, 46, 119-127.	4.8	78
31	A Synthesis of PEG- and Phosphorylcholine-Substituted Pyridines To Afford Water-Soluble Ruthenium Benzylidene Metathesis Catalysts. <i>Macromolecules</i> , 2008, 41, 530-532.	4.8	76
32	Aliphatic Polyesters with Pendant Cyclopentene Groups: A Controlled Synthesis and Conversion to Polyester-graft-PEG Copolymers. <i>Macromolecules</i> , 2004, 37, 5863-5865.	4.8	75
33	Functional polyesters prepared by polymerization of γ -allyl(valerolactone) and its copolymerization with γ -caprolactone and γ -valerolactone. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1983-1990.	2.3	74
34	Disulfide Cross-Linked Phosphorylcholine Micelles for Triggered Release of Camptothecin. <i>Molecular Pharmaceutics</i> , 2013, 10, 2684-2692.	4.6	74
35	Antifouling Electrospun Nanofiber Mats Functionalized with Polymer Zwitterions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27585-27593.	8.0	74
36	Zwitterionic PEG-PC Hydrogels Modulate the Foreign Body Response in a Modulus-Dependent Manner. <i>Biomacromolecules</i> , 2018, 19, 2880-2888.	5.4	74

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37	Functionalization of nanoparticles for dispersion in polymers and assembly in fluids. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5076-5086.	2.3	73
38	Functional Choline Phosphate Polymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 1828-1831.	13.7	73
39	Multicompartment and multigeometry nanoparticle assembly. <i>Soft Matter</i> , 2011, 7, 2500.	2.7	72
40	Bisphenol-1,2,3-triazole (BPT) Epoxies and Cyanate Esters: Synthesis and Self-Catalyzed Curing. <i>Macromolecules</i> , 2011, 44, 5693-5700.	4.8	70
41	Polymeric Phosphorylcholine α -Camptothecin Conjugates Prepared by Controlled Free Radical Polymerization and Click Chemistry. <i>Bioconjugate Chemistry</i> , 2009, 20, 2331-2341.	3.6	66
42	Poly(sulfobetaine methacrylate)s as Electrode Modifiers for Inverted Organic Electronics. <i>Journal of the American Chemical Society</i> , 2015, 137, 540-549.	13.7	62
43	Amphiphilic ruthenium benzylidene metathesis catalyst with PEG-substituted pyridine ligands. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5715-5721.	2.3	59
44	Nanocomposite "Superhighways" by Solution Assembly of Semiconductor Nanostructures with Ligand-Functionalized Conjugated Polymers. <i>Advanced Materials</i> , 2012, 24, 2254-2258.	21.0	59
45	Macroscopic Nanoparticle Ribbons and Fabrics. <i>Advanced Materials</i> , 2013, 25, 1248-1253.	21.0	59
46	Fouling-resistant ultrafiltration membranes prepared via co-deposition of dopamine/zwitterion composite coatings. <i>Journal of Membrane Science</i> , 2017, 541, 300-311.	8.2	58
47	Characterization of Heterogeneous Polyacrylamide Hydrogels by Tracking of Single Quantum Dots. <i>Macromolecules</i> , 2014, 47, 741-749.	4.8	57
48	Light-Driven Shape Morphing, Assembly, and Motion of Nanocomposite Gel Surfers. <i>Advanced Materials</i> , 2019, 31, e1900932.	21.0	57
49	Probing and repairing damaged surfaces with nanoparticle-containing microcapsules. <i>Nature Nanotechnology</i> , 2012, 7, 87-90.	31.5	56
50	A Polymer Hole Extraction Layer for Inverted Perovskite Solar Cells from Aqueous Solutions. <i>Advanced Energy Materials</i> , 2016, 6, 1600664.	19.5	56
51	Probing Inter- and Intrachain Exciton Coupling in Isolated Poly(3-hexylthiophene) Nanofibers: Effect of Solvation and Regioregularity. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1674-1679.	4.6	55
52	Functional Polyolefins Containing Disulfide and Phosphoester Groups: Synthesis and Orthogonal Degradation. <i>Macromolecules</i> , 2014, 47, 1344-1350.	4.8	55
53	Chemical and Morphological Control of Interfacial Self-Doping for Efficient Organic Electronics. <i>Advanced Materials</i> , 2018, 30, e1705976.	21.0	55
54	Reconfiguring polylysine architectures for controlling polyplex binding and non-viral transfection. <i>Biomaterials</i> , 2011, 32, 2432-2444.	11.4	50

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55	A TEMPO-mediated "living" free-radical approach to ABA triblock dendritic linear hybrid copolymers. <i>Journal of Polymer Science Part A</i> , 1999, 37, 3748-3755.	2.3	49
56	Conjugated Thiophene-Containing Polymer Zwitterions: Direct Synthesis and Thin Film Electronic Properties. <i>Macromolecules</i> , 2013, 46, 344-351.	4.8	49
57	Polymer Zwitterions for Stabilization of CsPbBr ₃ Perovskite Nanoparticles and Nanocomposite Films. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10802-10806.	13.8	49
58	Polymer-Nanoparticle Composites: Preparative Methods and Electronically Active Materials. <i>Polymer Reviews</i> , 2007, 47, 155-163.	10.9	48
59	Polymer design to promote low work function surfaces in organic electronics. <i>Progress in Polymer Science</i> , 2020, 103, 101222.	24.7	48
60	Combining Fullerenes and Zwitterions in Non-Conjugated Polymer Interlayers to Raise Solar Cell Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9675-9678.	13.8	47
61	Effect of Polymer Chemistry on the Linear Viscoelasticity of Complex Coacervates. <i>Macromolecules</i> , 2020, 53, 7851-7864.	4.8	47
62	Stabilization of Î±-chymotrypsin at air-water interface through surface binding to gold nanoparticle scaffolds. <i>Soft Matter</i> , 2006, 2, 558-560.	2.7	43
63	Deoxybenzoin-based epoxy resins. <i>Polymer</i> , 2009, 50, 767-774.	3.8	42
64	Hyperbranched porphyrins—a rapid synthetic approach to multiporphyrin macromolecules. <i>Chemical Communications</i> , 2000, , 313-314.	4.1	41
65	PC-Polyolefins: Synthesis and Assembly Behavior in Water. <i>Macromolecules</i> , 2009, 42, 3227-3229.	4.8	41
66	Functional aliphatic polyesters and nanoparticles prepared by organocatalysis and orthogonal grafting chemistry. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3517-3529.	2.3	41
67	Demonstration of Feasibility of X-Ray Free Electron Laser Studies of Dynamics of Nanoparticles in Entangled Polymer Melts. <i>Scientific Reports</i> , 2014, 4, 6017.	3.3	41
68	A facile approach to hydrophilic, reverse zwitterionic, choline phosphate polymers. <i>Polymer Chemistry</i> , 2015, 6, 525-530.	3.9	41
69	Bioelectronic protein nanowire sensors for ammonia detection. <i>Nano Research</i> , 2020, 13, 1479-1484.	10.4	41
70	Bis-dendritic polyethylene prepared by ring-opening metathesis polymerization in the presence of bis-dendritic chain transfer agents. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5429-5439.	2.3	40
71	Assembly of Poly(3-hexylthiophene)/CdSe Hybrid Nanowires by Cocrystallization. <i>Macromolecules</i> , 2011, 44, 1768-1770.	4.8	40
72	Polymer-mediated gene therapy: Recent advances and merging of delivery techniques. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1598.	6.1	40

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73	Poly(arylate- ϵ -phosphonate) copolymers with deoxybenzoin in the backbone: Synthesis, characterization, and thermal properties. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4573-4580.	2.3	39
74	Dual Functional Zwitterionic Fullerene Interlayer for Efficient Inverted Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500405.	19.5	39
75	Effect of Nanoparticles on the Electrohydrodynamic Instabilities of Polymer/Nanoparticle Thin Films. <i>Macromolecules</i> , 2008, 41, 2722-2726.	4.8	38
76	Efficacy of PolyMPC-DOX Prodrugs in 4T1 Tumor-Bearing Mice. <i>Molecular Pharmaceutics</i> , 2014, 11, 1715-1720.	4.6	38
77	Pentalysine-Grafted ROMP Polymers for DNA Complexation and Delivery. <i>Biomacromolecules</i> , 2008, 9, 2495-2500.	5.4	37
78	Role of Ionic Functional Groups on Ion Transport at Perovskite Interfaces. <i>Advanced Energy Materials</i> , 2017, 7, 1701235.	19.5	37
79	Conductive Composite Materials Fabricated from Microbially Produced Protein Nanowires. <i>Small</i> , 2018, 14, e1802624.	10.0	37
80	Hyperbranched aromatic epoxies in the design of adhesive materials. <i>Polymer Bulletin</i> , 2000, 45, 1-7.	3.3	36
81	Ferritin-Polymer Conjugates: Grafting Chemistry and Integration into Nanoscale Assemblies. <i>Advanced Functional Materials</i> , 2010, 20, 3603-3612.	14.9	36
82	Highly Stretchable Nanoparticle Helices Through Geometric Asymmetry and Surface Forces. <i>Advanced Materials</i> , 2013, 25, 6703-6708.	21.0	36
83	Halogen-free ultra-high flame retardant polymers through enzyme catalysis. <i>Green Chemistry</i> , 2012, 14, 819.	9.0	35
84	Polymer-Temozolomide Conjugates as Therapeutics for Treating Glioblastoma. <i>Molecular Pharmaceutics</i> , 2018, 15, 5263-5276.	4.6	35
85	Selective Nucleation of Poly(3-hexyl thiophene) Nanofibers on Multilayer Graphene Substrates. <i>ACS Macro Letters</i> , 2015, 4, 483-487.	4.8	34
86	Tetrathiafulvalene-containing polymers for simultaneous non-covalent modification and electronic modulation of MoS ₂ nanomaterials. <i>Chemical Science</i> , 2016, 7, 4698-4705.	7.4	34
87	Pentafluorophenyl Ester-Functionalized Phosphorylcholine Polymers: Preparation of Linear, Two-Arm, and Grafted Polymer-Protein Conjugates. <i>Biomacromolecules</i> , 2012, 13, 2099-2109.	5.4	32
88	Functional polymers for growth and stabilization of CsPbBr ₃ perovskite nanoparticles. <i>Chemical Communications</i> , 2019, 55, 1833-1836.	4.1	32
89	Water Processable Polythiophene Nanowires by Photo-Cross-Linking and Click-Functionalization. <i>Nano Letters</i> , 2015, 15, 5689-5695.	9.1	31
90	Flame resistant electrospun polymer nanofibers from deoxybenzoin-based polymers. <i>Journal of Applied Polymer Science</i> , 2009, 111, 301-307.	2.6	30

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91	Transition in Dynamics as Nanoparticles Jam at the Liquid/Liquid Interface. <i>Nano Letters</i> , 2017, 17, 6855-6862.	9.1	30
92	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5677-5681.	13.8	30
93	Functional Sulfobetaine Polymers: Synthesis and Salt-Responsive Stabilization of Oil-in-Water Droplets. <i>Macromolecules</i> , 2015, 48, 7843-7850.	4.8	29
94	N-Doped Zwitterionic Fullerenes as Interlayers in Organic and Perovskite Photovoltaic Devices. <i>ACS Energy Letters</i> , 2017, 2, 957-963.	17.4	29
95	Robust Gold Nanoparticle Sheets by Ligand Cross-Linking at the Air-Water Interface. <i>ACS Nano</i> , 2017, 11, 1292-1300.	14.6	28
96	Connecting quantum dots and bionanoparticles in hybrid nanoscale ultra-thin films. <i>Soft Matter</i> , 2009, 5, 1048.	2.7	27
97	Halogen-free, low flammability polyurethanes derived from deoxybenzoin-based monomers. <i>Journal of Materials Chemistry</i> , 2010, 20, 3681.	6.7	27
98	Soluble, Allyl-Functionalized Deoxybenzoin Polymers. <i>Macromolecules</i> , 2017, 50, 3772-3778.	4.8	27
99	Antifouling Stripes Prepared from Clickable Zwitterionic Copolymers. <i>Langmuir</i> , 2017, 33, 7028-7035.	3.5	27
100	Polymer Zwitterions with Phosphonium Cations. <i>Journal of the American Chemical Society</i> , 2021, 143, 6528-6532.	13.7	26
101	High-Performance Perovskite Solar Cells with a Non-doped Small Molecule Hole Transporting Layer. <i>ACS Applied Energy Materials</i> , 2019, 2, 1634-1641.	5.1	25
102	Hydrophilic Conjugated Polymers Prepared by Aqueous Horner-Wadsworth-Emmons Coupling. <i>Macromolecules</i> , 2016, 49, 2526-2532.	4.8	24
103	Perylene Diimide-Based Ionene and Zwitterionic Polymers: Synthesis and Solution Photophysical Properties. <i>Macromolecules</i> , 2017, 50, 7535-7542.	4.8	24
104	Antifouling Ultrafiltration Membranes with Retained Pore Size by Controlled Deposition of Zwitterionic Polymers and Poly(ethylene glycol). <i>Langmuir</i> , 2019, 35, 1872-1881.	3.5	24
105	Morphology-Dependent Electronic Properties in Cross-Linked (P3HT- <i>b</i> -P3MT) Block Copolymer Nanostructures. <i>ACS Nano</i> , 2014, 8, 8344-8349.	14.6	23
106	Multifunctional deoxybenzoin-based epoxies: Synthesis, mechanical properties, and thermal evaluation. <i>Polymer</i> , 2014, 55, 4441-4446.	3.8	23
107	Forming Sticky Droplets from Slippery Polymer Zwitterions. <i>Advanced Materials</i> , 2017, 29, 1702921.	21.0	23
108	Interleukin-27 Gene Delivery for Modifying Malignant Interactions Between Prostate Tumor and Bone. <i>Human Gene Therapy</i> , 2013, 24, 970-981.	2.7	22

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109	Polymerâ€“Peptide Delivery Platforms: Effect of Oligopeptide Orientation on Polymer-Based DNA Delivery. <i>Biomacromolecules</i> , 2014, 15, 1328-1336.	5.4	22
110	Nonâ€“halogen fire resistant plastics for aircraft interiors. <i>Polymers for Advanced Technologies</i> , 2008, 19, 609-619.	3.2	21
111	Nanoscale assembly into extended and continuous structures and hybrid materials. <i>NPG Asia Materials</i> , 2013, 5, e43-e43.	7.9	21
112	Reactive polymer zwitterions: Sulfonium sulfonates. <i>Journal of Polymer Science Part A</i> , 2017, 55, 83-92.	2.3	21
113	Tuning the energy gap of conjugated polymer zwitterions for efficient interlayers and solar cells. <i>Journal of Polymer Science Part A</i> , 2015, 53, 327-336.	2.3	20
114	Adsorbed Polyzwitterion Copolymer Layers Designed for Protein Repellency and Interfacial Retention. <i>Langmuir</i> , 2017, 33, 13708-13717.	3.5	19
115	Sequential and localized grafting on aliphatic polyester diblock copolymers using alkyne deprotection and click cycloaddition. <i>Journal of Polymer Science Part A</i> , 2009, 47, 7054-7065.	2.3	18
116	Rapid, facile synthesis of conjugated polymer zwitterions in ionic liquids. <i>Chemical Science</i> , 2014, 5, 2368-2373.	7.4	18
117	Fouling-Resistant Hydrogels Prepared by the Swelling-Assisted Infusion and Polymerization of Dopamine. <i>ACS Applied Bio Materials</i> , 2018, 1, 33-41.	4.6	17
118	Electronic Tuning of Monolayer Graphene with Polymeric â€œZwitteristsâ€. <i>ACS Nano</i> , 2021, 15, 2762-2770.	14.6	17
119	Coupled oscillation and spinning of photothermal particles in Marangoni optical traps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
120	Coacervation in polyzwitterion-polyelectrolyte systems and their potential applications for gastrointestinal drug delivery platforms. <i>Nature Communications</i> , 2022, 13, 2250.	12.8	17
121	Photopatternable Biodegradable Aliphatic Polyester with Pendent Benzophenone Groups. <i>Biomacromolecules</i> , 2015, 16, 3329-3335.	5.4	16
122	Dispersing Zwitterions into Comb Polymers for Nonviral Transfection: Experiments and Molecular Simulation. <i>Biomacromolecules</i> , 2016, 17, 546-557.	5.4	16
123	Efficient Electron Mobility in an All-Acceptor Naphthalenediimide-Bithiazole Polymer Semiconductor with Large Backbone Torsion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40070-40077.	8.0	16
124	Understanding Hole Extraction of Inverted Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56068-56075.	8.0	16
125	Mechanical Restoration of Damaged Polymer Films by â€œRepairâ€ and â€œGoâ€. <i>Advanced Functional Materials</i> , 2016, 26, 857-863.	14.9	15
126	Building Supracolloidal Fibers from Zwitterionâ€“Stabilized Adhesive Emulsions. <i>Advanced Functional Materials</i> , 2018, 28, 1804325.	14.9	15

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127	Phosphorylcholine-Substituted ROMP Polyolefin Coatings Provide Fouling Resistance to Membrane Materials. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 1142-1148.	3.6	14
128	Promoting cell adhesion on slippery phosphorylcholine hydrogel surfaces. <i>Journal of Materials Chemistry B</i> , 2014, 2, 620-624.	5.8	14
129	Versatile Synthesis of Polymer-Temozolomide Conjugates. <i>ACS Macro Letters</i> , 2017, 6, 215-218.	4.8	14
130	Mitochondrial mechanisms of neuronal rescue by F-68, a hydrophilic Pluronic block co-polymer, following acute substrate deprivation. <i>Neurochemistry International</i> , 2017, 109, 126-140.	3.8	14
131	Polymer Zwitterions for Stabilization of CsPbBr ₃ Perovskite Nanoparticles and Nanocomposite Films. <i>Angewandte Chemie</i> , 2020, 132, 10894-10898.	2.0	14
132	Reconfiguration and Reorganization of Bottlebrush Polymer Surfactants. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
133	Stretching of assembled nanoparticle helical springs. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10261.	2.8	13
134	Pentafluorophenyl Ester-Functionalized Nanoparticles as a Versatile Platform for Selective and Covalent Inter-nanoparticle Coupling. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2393-2398.	8.0	13
135	Ligand-Mediated Targeting of Cytokine Interleukin-27 Enhances Its Bioactivity In Vivo. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 739-751.	4.1	13
136	Examination of zwitterionic polymers and gels subjected to mechanical constraints. <i>Polymer</i> , 2013, 54, 2887-2894.	3.8	12
137	Evaluation of PolyMPC-Doxorubicin Prodrugs in a Human Ovarian Tumor Model. <i>Molecular Pharmaceutics</i> , 2016, 13, 1679-1687.	4.6	12
138	Chemical Stabilization of Perovskite Solar Cells with Functional Fulleropyrrolidines. <i>ACS Central Science</i> , 2018, 4, 216-222.	11.3	12
139	Polymer-Protein Conjugation in Ionic Liquids. <i>Macromolecules</i> , 2010, 43, 6261-6263.	4.8	11
140	Solvent-Assisted Orientation of Poly(3-hexylthiophene)-Functionalized CdSe Nanorods Under an Electric Field. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1647-1653.	2.2	11
141	Functional droplets that recognize, collect, and transport debris on surfaces. <i>Science Advances</i> , 2016, 2, e1601462.	10.3	11
142	Mesoscale Block Copolymers. <i>Advanced Materials</i> , 2018, 30, e1706118.	21.0	11
143	Tailoring Biomimetic Phosphorylcholine-Containing Block Copolymers as Membrane-Targeting Cellular Rescue Agents. <i>Biomacromolecules</i> , 2019, 20, 3385-3391.	5.4	11
144	Ring-Opening Polymerization of Allyl-Functionalized Lactams. <i>Macromolecules</i> , 2019, 52, 167-175.	4.8	11

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145	Strategies in Aliphatic Polyester Synthesis for Biomaterial and Drug Delivery Applications. ACS Symposium Series, 2006, , 248-266.	0.5	10
146	The Structural Origin of Electron Injection Enhancements with Fulleropyrrolidine Interlayers. Advanced Materials Interfaces, 2016, 3, 1500852.	3.7	10
147	Electron injection and interfacial trap passivation in solution-processed organic light-emitting diodes using a polymer zwitterion interlayer. Organic Electronics, 2017, 50, 384-388.	2.6	10
148	Lithographically Patterned Functional Polymerâ€“Graphene Hybrids for Nanoscale Electronics. ACS Nano, 2018, 12, 1928-1933.	14.6	10
149	Augmenting Glioblastoma Chemotherapy with Polymers. ACS Chemical Neuroscience, 2018, 9, 8-10.	3.5	10
150	Synthetic and Thermal Studies of Bisphenol-C containing Poly(aryletherketone)s. Polymer Bulletin, 2003, 50, 235-242.	3.3	9
151	Amino-fulleropyrrolidines as electrochromic additives to enhance organic photovoltaics. Sustainable Energy and Fuels, 2018, 2, 2143-2147.	4.9	9
152	Fluorinated Polymer Zwitterions: Choline Phosphates and Phosphorylcholines. ACS Macro Letters, 2021, 10, 1204-1209.	4.8	9
153	Freeze-Burn: Fabrication of Porous Carbon Networks via Polymer-Templated Rapid Thermal Annealing. ACS Applied Polymer Materials, 2022, 4, 4329-4338.	4.4	9
154	Picking up Nanoparticles with Functional Droplets. Advanced Materials Interfaces, 2014, 1, 1400121.	3.7	8
155	Photo-sensitive ligands on nanoparticles for achieving triggered emulsion inversion. Journal of Colloid and Interface Science, 2014, 425, 152-158.	9.4	8
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