

Jimmy W Mays

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Noncovalent and Nonspecific Molecular Interactions of Polymers with Multiwalled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2005, 17, 3389-3397.	6.7	361
2	Block Copolymers: Synthesis, Self-Assembly, and Applications. <i>Polymers</i> , 2017, 9, 494.	4.5	298
3	Experimental techniques in high-vacuum anionic polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6179-6222.	2.3	262
4	A Study of Polyelectrolyte Brushes Formed from Adsorption of Amphiphilic Diblock Copolymers Using the Surface Forces Apparatus. <i>Macromolecules</i> , 2002, 35, 9480-9486.	4.8	183
5	Superstretchable, Self-Healing Polymeric Elastomers with Tunable Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1800741.	14.9	162
6	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.	4.8	158
7	Living Anionic Surface-Initiated Polymerization (LASIP) of a Polymer on Silica Nanoparticles. <i>Langmuir</i> , 2002, 18, 3324-3331.	3.5	152
8	Unexpected Molecular Weight Effect in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2016, 116, 038302.	7.8	134
9	Regular Comb Polystyrenes and Graft Polyisoprene/Polystyrene Copolymers with Double Branches (‘‘Centipedes’’). Quality of (1,3-Phenylene)bis(3-methyl-1-phenylpentylidene)dilithium Initiator in the Presence of Polar Additives. <i>Macromolecules</i> , 1998, 31, 6697-6701.	4.8	132
10	Synthesis of Combs, Centipedes, and Barbwires: Poly(isoprene-graft-styrene) Regular Multigraft Copolymers with Trifunctional, Tetrafunctional, and Hexafunctional Branch Points. <i>Macromolecules</i> , 2002, 35, 7182-7190.	4.8	126
11	Effect of Molecular Weight on the Ion Transport Mechanism in Polymerized Ionic Liquids. <i>Macromolecules</i> , 2016, 49, 4557-4570.	4.8	121
12	Interfacial Properties of Polymer Nanocomposites: Role of Chain Rigidity and Dynamic Heterogeneity Length Scale. <i>Macromolecules</i> , 2017, 50, 2397-2406.	4.8	115
13	Graft Copolymers with Regularly Spaced, Tetrafunctional Branch Points: Morphology and Grain Structure. <i>Macromolecules</i> , 2000, 33, 2039-2048.	4.8	109
14	Living Anionic Surface Initiated Polymerization (SIP) of Styrene from Clay Surfaces. <i>Chemistry of Materials</i> , 2001, 13, 2465-2467.	6.7	108
15	Morphologies of block copolymers composed of charged and neutral blocks. <i>Soft Matter</i> , 2012, 8, 3036.	2.7	95
16	Size exclusion chromatography with multiple detectors: Solution properties of linear chains of varying flexibility in tetrahydrofuran. <i>Journal of Applied Polymer Science</i> , 1996, 61, 865-874.	2.6	93
17	Living Anionic Surface-Initiated Polymerization (LASIP) of Styrene from Clay Nanoparticles Using Surface Bound 1,1-Diphenylethylene (DPE) Initiators. <i>Langmuir</i> , 2002, 18, 4511-4518.	3.5	87
18	Recent Developments in Carbon Fibers and Carbon Nanotube-Based Fibers: A Review. <i>Polymer Reviews</i> , 2017, 57, 339-368.	10.9	82

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19	Micellization of Model Graft Copolymers of the H and ĩ€ Type in Dilute Solution. <i>Macromolecules</i> , 1996, 29, 7378-7385.	4.8	73
20	Microphase Separation of Cyclic Block Copolymers of Styrene and Butadiene and of Their Corresponding Linear Triblock Copolymers. <i>Macromolecules</i> , 2003, 36, 148-152.	4.8	71
21	1,3-Cyclohexadiene Polymers. 1. Anionic Polymerization. <i>Macromolecules</i> , 2001, 34, 782-786.	4.8	68
22	Grafting Efficiency of Hydroxy-Terminated Poly(methyl methacrylate) with Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2005, 26, 481-486.	3.9	67
23	Synthesis and dilute solution properties of divinylbenzene-linked polystyrene stars with mixed arm lengths: Evidence for coupled stars. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 141-151.	2.1	63
24	Combined Synthesis, TGIC Characterization, and Rheological Measurement and Prediction of Symmetric H Polybutadienes and Their Blends with Linear and Star-Shaped Polybutadienes. <i>Macromolecules</i> , 2011, 44, 7799-7809.	4.8	59
25	Hydrodynamic properties of model 3-miktoarm star copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1925-1932.	2.1	56
26	Heat capacity of poly(butylene terephthalate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 4401-4411.	2.1	52
27	Micellization of Model Graft Copolymers in Dilute Solution. <i>Macromolecules</i> , 1997, 30, 5384-5389.	4.8	51
28	Linking reactions of living polymers with bromomethylbenzene derivatives: Synthesis and characterization of star homopolymers and graft copolymers with polyelectrolyte branches. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4337-4350.	2.3	51
29	Morphology and Deformation Mechanisms and Tensile Properties of Tetrafunctional Multigraft Copolymers. <i>Macromolecules</i> , 2009, 42, 4155-4164.	4.8	51
30	Model Mono-, Di-, and Tri-Functionalized Three-Arm Star Polybutadienes. Association Behavior in Dilute Solution by Dynamic Light Scattering and Viscometry. <i>Macromolecules</i> , 1996, 29, 179-184.	4.8	45
31	Dilute solution properties of randomly branched poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 1996, 59, 179-188.	2.6	43
32	Morphological behavior of A2B2 star block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 3392-3400.	2.1	43
33	Synthesis and characterization of poly(vinylcyclohexane) derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1527-1536.	2.1	41
34	1,3-Cyclohexadiene Polymers. 3. Synthesis and Characterization of Poly(1,3-cyclohexadiene-block-styrene). <i>Macromolecules</i> , 2001, 34, 3540-3547.	4.8	41
35	Polymer grafted Janus multi-walled carbon nanotubes. <i>Soft Matter</i> , 2009, 5, 4272.	2.7	40
36	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. <i>Macromolecules</i> , 2016, 49, 2646-2655.	4.8	39

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37	H-shaped double graft copolymers: Effect of molecular architecture on morphology. <i>Journal of Chemical Physics</i> , 1997, 107, 6460-6469.	3.0	38
38	Synthesis and Characterization of Neutral/Ionic Block Copolymers of Various Architectures. <i>Macromolecules</i> , 2002, 35, 3433-3438.	4.8	38
39	Tunable morphologies from charged block copolymers. <i>Soft Matter</i> , 2010, 6, 6146.	2.7	38
40	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.	4.8	37
41	Synthesis and Structure-Property Relationships for Regular Multigraft Copolymers. <i>Macromolecular Symposia</i> , 2004, 215, 111-126.	0.7	37
42	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , 2015, 48, 5621-5631.	4.8	37
43	Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. <i>Polymer Chemistry</i> , 2016, 7, 680-688.	3.9	37
44	Utility of Interaction Chromatography for Probing Structural Purity of Model Branched Copolymers: A 4-Miktoarm Star Copolymer. <i>Macromolecules</i> , 2003, 36, 5834-5838.	4.8	35
45	Characteristic Ratios of Polymethacrylates. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1988, 28, 371-401.	2.2	34
46	Effects of Ionic Strength and Counterion Valency on Adsorption of Hydrophobically Modified Polyelectrolytes. <i>Macromolecules</i> , 1996, 29, 7299-7301.	4.8	34
47	Challenging Tube and Slip-Link Models: Predicting the Linear Rheology of Blends of Well-Characterized Star and Linear 1,4-Polybutadienes. <i>Macromolecules</i> , 2016, 49, 4964-4977.	4.8	34
48	All acrylic-based thermoplastic elastomers with high upper service temperature and superior mechanical properties. <i>Polymer Chemistry</i> , 2017, 8, 5741-5748.	3.9	34
49	Effect of Molecular Architecture on Dynamics of Multigraft Copolymers: Combs, Centipedes, and Barbwires. <i>Macromolecules</i> , 2003, 36, 7640-7651.	4.8	33
50	Homopolymer and block copolymer brushes on gold by living anionic surface-initiated polymerization in a polar solvent. <i>Journal of Polymer Science Part A</i> , 2006, 44, 769-782.	2.3	32
51	In vivo oxidative degradation of polypropylene pelvic mesh. <i>Biomaterials</i> , 2015, 73, 131-141.	11.4	32
52	Poly(1-adamantyl acrylate): Living Anionic Polymerization, Block Copolymerization, and Thermal Properties. <i>Macromolecules</i> , 2016, 49, 9406-9414.	4.8	32
53	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017, 29, 8082-8092.	6.7	32
54	Metal/Ion Interactions Induced p <i>π</i> - <i>n</i> Junction in Methylammonium Lead Triiodide Perovskite Single Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 17285-17288.	13.7	32

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55	Synthesis and characterization of poly(methyl methacrylate) star polymers. <i>Polymer International</i> , 1994, 33, 171-179.	3.1	30
56	Synthesis and Characterization of Comb and Centipede Multigraft Copolymers P <i>n</i> -BA- <i>g</i> -PS with High Molecular Weight Using Miniemulsion Polymerization. <i>Macromolecules</i> , 2014, 47, 7284-7295.	4.8	30
57	Synthesis and Characterization of Ureidopyrimidone Telechelics by CuAAC "Click" Reaction: Effect of <i>T_g</i> and Polarity. <i>Macromolecules</i> , 2014, 47, 5040-5050.	4.8	30
58	Tailor-made thermoreversible functional polymer via RAFT polymerization in an ionic liquid: a remarkably fast polymerization process. <i>Green Chemistry</i> , 2016, 18, 6115-6122.	9.0	30
59	Improving mechanical properties of carbon nanotube fibers through simultaneous solid-state cycloaddition and crosslinking. <i>Nanotechnology</i> , 2017, 28, 145603.	2.6	25
60	Gas separation mechanism of CO ₂ selective amidoxime-poly(1-trimethylsilyl-1-propyne) membranes. <i>Polymer Chemistry</i> , 2017, 8, 3341-3350.	3.9	25
61	Design and Synthesis of Multigraft Copolymer Thermoplastic Elastomers: Superelastomers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700254.	2.2	25
62	Synthesis and Characterization of Graft Copolymers Poly(isoprene- <i>g</i> -styrene) of High Molecular Weight by a Combination of Anionic Polymerization and Emulsion Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1292-1300.	3.7	24
63	Polystyrene Glasses under Compression: Ductile and Brittle Responses. <i>ACS Macro Letters</i> , 2015, 4, 1072-1076.	4.8	24
64	MALDI/TOF/MS and SEC Study of Astromol Dendrimers Having Cyano End Groups. <i>Macromolecules</i> , 2000, 33, 4445-4452.	4.8	23
65	Morphological Behavior of A ₂ B Block Copolymers in Thin Films. <i>Macromolecules</i> , 2018, 51, 1181-1188.	4.8	23
66	Novel diblock copolymer-grafted multiwalled carbon nanotubes via a combination of living and controlled/living surface polymerizations. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1104-1112.	2.3	22
67	Control of Self-Assembled Structure through Architecturally and Compositionally Complex Block Copolymer Surfactant Mixtures. <i>Macromolecules</i> , 2014, 47, 7138-7150.	4.8	22
68	Atomistic and Coarse-Grained Molecular Dynamics Simulation of a Cross-Linked Sulfonated Poly(1,3-cyclohexadiene)-Based Proton Exchange Membrane. <i>Macromolecules</i> , 2012, 45, 6669-6685.	4.8	21
69	Effect of Cross-Link Density on Carbon Dioxide Separation in Polydimethylsiloxane-Norbornene Membranes. <i>ChemSusChem</i> , 2015, 8, 3595-3604.	6.8	21
70	Asymmetrical self-assembly from fluorinated and sulfonated block copolymers in aqueous media. <i>Soft Matter</i> , 2011, 7, 7960.	2.7	19
71	2-Isopropenyl-2-oxazoline: Well-Defined Homopolymers and Block Copolymers via Living Anionic Polymerization. <i>Macromolecules</i> , 2017, 50, 54-62.	4.8	19
72	Designing superhydrophobic surface based on fluoropolymer-silica nanocomposite via RAFT-mediated polymerization-induced self-assembly. <i>Journal of Polymer Science Part A</i> , 2018, 56, 266-275.	2.3	19

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73	Solution Properties of 1,3-Cyclohexadiene Polymers by Laser Light Scattering and Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2006, 39, 897-899.	4.8	18
74	Model Branched Polymers: Synthesis and Characterization of Asymmetric H-Shaped Polybutadienes. <i>ACS Macro Letters</i> , 2012, 1, 537-540.	4.8	18
75	All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. <i>Polymer Chemistry</i> , 2018, 9, 160-168.	3.9	18
76	Adsorption Mechanisms of Charged, Amphiphilic Diblock Copolymers: The Role of Micellization and Surface Affinity. <i>Macromolecules</i> , 2005, 38, 5137-5143.	4.8	17
77	Brittle-ductile transition in uniaxial compression of polymer glasses. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 758-770.	2.1	17
78	Synthesis and characterization of multiarm star-branched polyisobutylenes: Effect of arm molecular weight. <i>Journal of Polymer Science Part A</i> , 1997, 35, 3767-3778.	2.3	16
79	Characterization of star-block copolymers having PS-b-PI arms via SEC/RI/RALLS/DV. <i>Polymer Bulletin</i> , 2000, 44, 301-307.	3.3	16
80	Forces of interaction between surfaces bearing looped polymer brushes in good solvent. <i>Soft Matter</i> , 2009, 5, 1897.	2.7	16
81	Nano-donuts from pH-dependent block restructuring in amphiphilic ABA triblock copolymer vesicles at the air-water interface. <i>Soft Matter</i> , 2009, 5, 747-749.	2.7	16
82	Synthesis, solution properties, and glass transition temperatures of polymethacrylates with alicyclymethyl side groups. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 173-180.	2.2	15
83	Role of Branching on the Structure of Polymer Brushes Formed from Comb Copolymers. <i>Macromolecules</i> , 2005, 38, 2524-2529.	4.8	15
84	Effect of temperature on the frictional forces between polystyrene brushes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 649-655.	2.1	15
85	Morphologies of microphase-separated conformationally asymmetric diblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2629-2643.	2.1	14
86	Micellization coupled with facilitation of J-aggregation for poly(1,3-cyclohexadiene)-based amphiphilic block copolymers. <i>Soft Matter</i> , 2008, 4, 1605.	2.7	14
87	A New Fluorinated Polymer Having Two Connected Rings in the Main Chain: Synthesis and Characterization of Fluorinated Poly(1,3-cyclohexadiene). <i>Macromolecules</i> , 2008, 41, 266-268.	4.8	14
88	Analytical Rheology of Asymmetric H-Shaped Model Polybutadiene Melts. <i>Macromolecules</i> , 2012, 45, 5744-5756.	4.8	13
89	Dilute solution properties of asymmetric six-arm star polystyrenes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 2159-2166.	2.1	12
90	Architecturally and Chemically Modified Poly(1,3-cyclohexadiene). <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 308-314.	2.2	12

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91	Role of Surface Reorganization on Preferential Adsorption of Macromolecular Ensembles at the Solid/Fluid Interface. <i>Macromolecules</i> , 2009, 42, 7913-7918.	4.8	12
92	Assembly and Characterization of Well-Defined High-Molecular-Weight Poly(<i>p</i> -phenylene) Polymer Brushes. <i>Chemistry of Materials</i> , 2011, 23, 4367-4374.	6.7	12
93	MALDI/TOF/MS as a Method for Characterizing Micelle-Forming Polymers: A MALDI/TOF/MS Study of Amphiphilic Diblock Copolymers Based on Sulfonated Polystyrene. <i>International Journal of Polymer Analysis and Characterization</i> , 2001, 6, 547-563.	1.9	11
94	Synthesis of 3- and 4- Arm Star-Block Copolypeptides using Multifunctional Amino Initiators and High Vacuum Techniques. <i>Macromolecular Symposia</i> , 2006, 240, 12-17.	0.7	11
95	Anionic Synthesis of Epoxy End-Capped Polymers. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 807-814.	2.2	11
96	Effect of solvent/polymer infiltration and irradiation on microstructure and tensile properties of carbon nanotube yarns. <i>Journal of Materials Science</i> , 2016, 51, 10215-10228.	3.7	11
97	Synthesis and unperturbed dimensions of poly(diphenylmethyl methacrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1990, 28, 1881-1889.	2.1	10
98	A kinetic study of the formation of polystyrene stars using 1,2-bis(trichlorosilyl)ethane. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 587-594.	2.1	10
99	Reactions of Titanocene Derivatives with Molecular Carboxylic Acids and Copolymers Bearing Carboxylic Acid Groups. <i>Applied Organometallic Chemistry</i> , 1997, 11, 213-221.	3.5	10
100	Micellization of β -Functionalized Poly(styrene- <i>b</i> -isoprene) Copolymers in <i>n</i> -Decane. <i>Macromolecules</i> , 1996, 29, 2903-2908.	4.8	9
101	Unprecedented microemulsion boosting effect induced by a charged diblock copolymer: bending modulus and curvature frustration of the surfactant film. <i>Soft Matter</i> , 2009, 5, 4006.	2.7	9
102	Fluorine-containing linear block terpolymers: Synthesis and self-assembly in solution. <i>Journal of Polymer Science Part A</i> , 2011, 49, 414-422.	2.3	9
103	Well-Defined Polyisoprene- <i>b</i> -Poly(acrylic acid)/Polystyrene- <i>b</i> -Polyisoprene- <i>b</i> -Poly(acrylic acid) Block Copolymers: Synthesis and Their Self-Assembled Hierarchical Structures in Aqueous Media. <i>ACS Macro Letters</i> , 2012, 1, 743-747.	4.8	9
104	Precise synthesis of thermoreversible block copolymers containing reactive furfuryl groups via living anionic polymerization: the counteraction effect on block copolymerization behavior. <i>Polymer Chemistry</i> , 2015, 6, 6732-6738.	3.9	9
105	An evaluation of the DAWN-B light scattering unit from Wyatt Technology: Suggested calibration, normalization, and clarification procedures. <i>Journal of Applied Polymer Science</i> , 1993, 49, 967-973.	2.6	8
106	Synthesis and characterization of well-defined [polystyrene- <i>b</i> -poly(2-vinylpyridine)] star-block copolymers with poly(2-vinylpyridine) corona blocks. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3949-3955.	2.3	8
107	Grafting Polymer Loops onto Functionalized Nanotubes: Monitoring Grafting and Loop Formation. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 465-477.	2.2	8
108	Novel amphiphilic block copolymers derived from the selective fluorination and sulfonation of poly(styrene- <i>b</i> -1,3-cyclohexadiene). <i>Journal of Polymer Science Part A</i> , 2012, 50, 338-345.	2.3	8

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109	Determining the Dilution Exponent for Entangled 1,4-Polybutadienes Using Blends of Near-Monodisperse Star with Unentangled, Low Molecular Weight Linear Polymers. <i>Macromolecules</i> , 2019, 52, 1757-1771.	4.8	8
110	Elongated PEO-based nanoparticles bind the high-density lipoprotein (HDL) receptor scavenger receptor class B I (SR-BI). <i>Journal of Controlled Release</i> , 2021, 337, 448-457.	9.9	8
111	Morphologies of microphase-separated conformationally asymmetric diblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2629-2643.	2.1	8
112	Solution properties, unperturbed dimensions, and chain flexibility of poly(1-adamantyl acrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1526-1531.	2.1	7
113	The influence of alkylene spacers on conformational and thermal properties of poly (aryl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td (metha	2.1	6
114	Homopolymerization and Block Copolymer Formation in Room-Temperature Ionic Liquids Using Conventional Free-Radical Initiators. <i>ACS Symposium Series</i> , 2002, , 114-124.	0.5	6
115	Feature Article: Experimental Design and Molecular Modeling of Novel Graft Copolymers. <i>Polymer News</i> , 2004, 29, 302-310.	0.1	6
116	Novel biodegradable amino acid containing anhydride oligomers for orthopedic applications. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1979-1984.	2.6	6
117	Thermal Stability of Fluorinated Polydienes Synthesized by Addition of Difluorocarbene. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 49-56.	2.2	6
118	Synthesis of poly(styrene- <i>b</i> -4-(<i>tert</i> -butyldimethylsiloxy)styrene) block copolymers and characterization of their self-assembled patterns. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 589-596.	3.4	6
119	Highly Permeable Oligo(ethylene oxide)- <i>co</i> -poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700113.	5.3	6
120	Assessing the Range of Validity of Current Tube Models through Analysis of a Comprehensive Set of Star-Linear 1,4-Polybutadiene Polymer Blends. <i>Macromolecules</i> , 2019, 52, 7831-7846.	4.8	6
121	Exploring rheological responses to uniaxial stretching of various entangled polyisoprene melts. <i>Journal of Rheology</i> , 2019, 63, 763-771.	2.6	6
122	Convenient synthesis and morphology of latex particles composed of poly (methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (metha Journal of Polymer Research, 2014, 21, 1.	2.4	5
123	Impact of chain microstructure on solution and thin film self-assembly of PCHD-based semi-flexible/flexible diblock copolymers. <i>Soft Matter</i> , 2015, 11, 6509-6519.	2.7	5
124	Diblock copolymers of polystyrene- <i>b</i> -poly(1,3-cyclohexadiene) exhibiting unique three-phase microdomain morphologies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1564-1572.	2.1	5
125	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene- <i>b</i> -1,3-cyclohexadiene) Copolymers. <i>Macromolecules</i> , 2017, 50, 2354-2363.	4.8	5
126	Preparation of soluble, linear titanium-containing copolymers by the free-radical copolymerization of vinyl titanate monomers with styrene. <i>Journal of Applied Polymer Science</i> , 2000, 78, 190-199.	2.6	4

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127	Micellization behavior of model asymmetric miktoarm star copolymers of the AA ² B type, where A is polyisoprene and B is polystyrene. <i>Polymer Journal</i> , 2013, 45, 1216-1223.	2.7	4
128	Macroscopic Properties of Restacked, Redox-Liquid Exfoliated Graphite and Graphite Mimics Produced in Bulk Quantities. <i>Advanced Functional Materials</i> , 2014, 24, 4969-4977.	14.9	4
129	Effects of Asymmetric Molecular Architecture on Chain Stretching and Dynamics in Miktoarm Star Copolymers. <i>Macromolecules</i> , 2021, 54, 183-194.	4.8	4
130	The development and characterization of a fracture-toughened acrylic for luting total joint arthroplasties. , 1999, 47, 529-536.		3
131	Effect of solvents and thermal annealing on the morphology development of a novel block copolymer ionomer: a case study of sulfonated polystyrene-block-fluorinated polyisoprene. <i>Journal of Polymer Engineering</i> , 2013, 33, 49-59.	1.4	3
132	Characterizing effects of fast melt deformation on entangled polymers in their glassy state. <i>Journal of Chemical Physics</i> , 2019, 151, 124906.	3.0	3
133	Surface-Initiated Anionic Polymerization: Tethered Polymer Brushes on Silicate Flat Surfaces. <i>ACS Symposium Series</i> , 2001, , 39-55.	0.5	2
134	Synthesis of HIPS using an A2 B2 Star-Type Graft Copolymer (PB-g- PS). <i>Macromolecular Reaction Engineering</i> , 2010, 4, 381-386.	1.5	2
135	Effect of Cross-Link Density on Carbon Dioxide Separation in Polydimethylsiloxane-Norbornene Membranes. <i>ChemSusChem</i> , 2015, 8, 3524-3524.	6.8	2
136	Poly(styrene-graft-hyperbranched polyglycidol): synthesis and solution behavior of a hyperbranched polyelectrolyte. <i>RSC Advances</i> , 2015, 5, 5611-5616.	3.6	2
137	Effect of Molecular Structure on Rheological Behavior of Nearly Monodisperse H-Shaped Polybutadienes. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
138	Evaluation of the Final Morphology of HIPS Based on the Architecture of the Compatibilizer Graft Copolymer PBd-g-PS. <i>Macromolecular Symposia</i> , 2009, 283-284, 27-33.	0.7	1
139	Effect of solvents and thermal annealing on the morphology development of a novel block copolymer ionomer: a case study of sulfonated polystyrene-block-fluorinated polyisoprene; <i>J. Polym. Eng.</i> 2013, 33, 49-59. <i>Journal of Polymer Engineering</i> , 2013, 33, 191-191.	1.4	1
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