

Jimmy W Mays

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147
papers

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149
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4,972
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
147	Noncovalent and Nonspecific Molecular Interactions of Polymers with Multiwalled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2005 , 17, 3389-3397	9.6	331
146	Experimental techniques in high-vacuum anionic polymerization. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 6179-6222	2.5	232
145	Block Copolymers: Synthesis, Self-Assembly, and Applications. <i>Polymers</i> , 2017 , 9,	4.5	196
144	A Study of Polyelectrolyte Brushes Formed from Adsorption of Amphiphilic Diblock Copolymers Using the Surface Forces Apparatus. <i>Macromolecules</i> , 2002 , 35, 9480-9486	5.5	170
143	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	5.5	143
142	Living Anionic Surface-Initiated Polymerization (LASIP) of a Polymer on Silica Nanoparticles. <i>Langmuir</i> , 2002 , 18, 3324-3331	4	141
141	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	5.5	125
140	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	5.5	115
139	Superstretchable, Self-Healing Polymeric Elastomers with Tunable Properties. <i>Advanced Functional Materials</i> , 2018 , 28, 1800741	15.6	114
138	Unexpected Molecular Weight Effect in Polymer Nanocomposites. <i>Physical Review Letters</i> , 2016 , 116, 038302	7.4	103
137	Graft Copolymers with Regularly Spaced, Tetrafunctional Branch Points: Morphology and Grain Structure. <i>Macromolecules</i> , 2000 , 33, 2039-2048	5.5	100
136	Living Anionic Surface Initiated Polymerization (SIP) of Styrene from Clay Surfaces. <i>Chemistry of Materials</i> , 2001 , 13, 2465-2467	9.6	98
135	Effect of Molecular Weight on the Ion Transport Mechanism in Polymerized Ionic Liquids. <i>Macromolecules</i> , 2016 , 49, 4557-4570	5.5	96
134	Interfacial Properties of Polymer Nanocomposites: Role of Chain Rigidity and Dynamic Heterogeneity Length Scale. <i>Macromolecules</i> , 2017 , 50, 2397-2406	5.5	87
133	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	4	84
132	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	2.9	81
131	Morphologies of block copolymers composed of charged and neutral blocks. <i>Soft Matter</i> , 2012 , 8, 3036	3.6	78

130	Micellization of Model Graft Copolymers of the H and Γ Type in Dilute Solution. <i>Macromolecules</i> , 1996 , 29, 7378-7385	5.5	70
129	Microphase Separation of Cyclic Block Copolymers of Styrene and Butadiene and of Their Corresponding Linear Triblock Copolymers. <i>Macromolecules</i> , 2003 , 36, 148-152	5.5	65
128	1,3-Cyclohexadiene Polymers. 1. Anionic Polymerization. <i>Macromolecules</i> , 2001 , 34, 782-786	5.5	64
127	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	2.6	61
126	Grafting Efficiency of Hydroxy-Terminated Poly(methyl methacrylate) with Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 481-486	4.8	61
125	Recent Developments in Carbon Fibers and Carbon Nanotube-Based Fibers: A Review. <i>Polymer Reviews</i> , 2017 , 57, 339-368	14	55
124	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	5.5	52
123	Micellization of Model Graft Copolymers in Dilute Solution. <i>Macromolecules</i> , 1997 , 30, 5384-5389	5.5	48
122	Hydrodynamic properties of model 3-miktoarm star copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 1925-1932	2.6	48
121	Morphology and Deformation Mechanisms and Tensile Properties of Tetrafunctional Multigraft Copolymers. <i>Macromolecules</i> , 2009 , 42, 4155-4164	5.5	45
120	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	2.5	45
119	Heat capacity of poly(butylene terephthalate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 4401-4411	2.6	44
118	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	5.5	44
117	1,3-Cyclohexadiene Polymers. 3. Synthesis and Characterization of Poly(1,3-cyclohexadiene-block-styrene). <i>Macromolecules</i> , 2001 , 34, 3540-3547	5.5	39
116	Morphological behavior of A2B2 star block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 3392-3400	2.6	39
115	Synthesis and characterization of poly(vinylcyclohexane) derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 1527-1536	2.6	38
114	Polymer grafted Janus multi-walled carbon nanotubes. <i>Soft Matter</i> , 2009 , 5, 4272	3.6	36
113	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	5.5	35

112	Dilute solution properties of randomly branched poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 1996 , 59, 179-188	2.9	35
111	Utility of Interaction Chromatography for Probing Structural Purity of Model Branched Copolymers: 4-Miktoarm Star Copolymer. <i>Macromolecules</i> , 2003 , 36, 5834-5838	5.5	34
110	Synthesis and Characterization of Neutral/Ionic Block Copolymers of Various Architectures. <i>Macromolecules</i> , 2002 , 35, 3433-3438	5.5	34
109	Multigeometry Nanoparticles: Hybrid Vesicle/Cylinder Nanoparticles Constructed with Block Copolymer Solution Assembly and Kinetic Control. <i>Macromolecules</i> , 2015 , 48, 5621-5631	5.5	33
108	Tunable morphologies from charged block copolymers. <i>Soft Matter</i> , 2010 , 6, 6146	3.6	33
107	Synthesis and Structure-Property Relationships for Regular Multigraft Copolymers. <i>Macromolecular Symposia</i> , 2004 , 215, 111-126	0.8	33
106	Effects of Ionic Strength and Counterion Valency on Adsorption of Hydrophobically Modified Polyelectrolytes. <i>Macromolecules</i> , 1996 , 29, 7299-7301	5.5	32
105	Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. <i>Polymer Chemistry</i> , 2016 , 7, 680-688	4.9	31
104	Effect of Molecular Architecture on Dynamics of Multigraft Copolymers: Combs, Centipedes, and Barbwires. <i>Macromolecules</i> , 2003 , 36, 7640-7651	5.5	31
103	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. <i>Macromolecules</i> , 2016 , 49, 2646-2655	5.5	31
102	Synthesis and Characterization of Ureidopyrimidone Telechelics by CuAAC Click Reaction: Effect of T _g and Polarity. <i>Macromolecules</i> , 2014 , 47, 5040-5050	5.5	28
101	H-shaped double graft copolymers: Effect of molecular architecture on morphology. <i>Journal of Chemical Physics</i> , 1997 , 107, 6460-6469	3.9	28
100	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	2.5	28
99	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017 , 29, 8082-8092	9.6	27
98	Poly(1-adamantyl acrylate): Living Anionic Polymerization, Block Copolymerization, and Thermal Properties. <i>Macromolecules</i> , 2016 , 49, 9406-9414	5.5	27
97	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	10	26
96	Synthesis and Characterization of Comb and Centipede Multigraft Copolymers PnBA-g-PS with High Molecular Weight Using Miniemulsion Polymerization. <i>Macromolecules</i> , 2014 , 47, 7284-7295	5.5	26
95	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	5.5	25

94	Metal/Ion Interactions Induced p-i-n Junction in Methylammonium Lead Triiodide Perovskite Single Crystals. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17285-17288	16.4	25
93	Synthesis and characterization of poly(methyl methacrylate) star polymers. <i>Polymer International</i> , 1994 , 33, 171-179	3.3	25
92	Characteristic Ratios of Polymethacrylates. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1988 , 28, 371-401		25
91	In vivo oxidative degradation of polypropylene pelvic mesh. <i>Biomaterials</i> , 2015 , 73, 131-41	15.6	24
90	All acrylic-based thermoplastic elastomers with high upper service temperature and superior mechanical properties. <i>Polymer Chemistry</i> , 2017 , 8, 5741-5748	4.9	23
89	MALDI/TOF/MS and SEC Study of Astromol Dendrimers Having Cyano End Groups. <i>Macromolecules</i> , 2000 , 33, 4445-4452	5.5	22
88	Control of Self-Assembled Structure through Architecturally and Compositionally Complex Block Copolymer Surfactant Mixtures. <i>Macromolecules</i> , 2014 , 47, 7138-7150	5.5	21
87	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	2.5	21
86	Synthesis and Characterization of Graft Copolymers Poly(isoprene-g-styrene) of High Molecular Weight by a Combination of Anionic Polymerization and Emulsion Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1292-1300	3.9	20
85	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	5.5	20
84	Gas separation mechanism of CO ₂ selective amidoxime-poly(1-trimethylsilyl-1-propyne) membranes. <i>Polymer Chemistry</i> , 2017 , 8, 3341-3350	4.9	18
83	Polystyrene Glasses under Compression: Ductile and Brittle Responses. <i>ACS Macro Letters</i> , 2015 , 4, 107261076	10.76	18
82	Design and Synthesis of Multigraft Copolymer Thermoplastic Elastomers: Superelastomers. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700254	2.6	17
81	Adsorption Mechanisms of Charged, Amphiphilic Diblock Copolymers: The Role of Micellization and Surface Affinity. <i>Macromolecules</i> , 2005 , 38, 5137-5143	5.5	17
80	Improving mechanical properties of carbon nanotube fibers through simultaneous solid-state cycloaddition and crosslinking. <i>Nanotechnology</i> , 2017 , 28, 145603	3.4	16
79	Morphological Behavior of A ₂ B Block Copolymers in Thin Films. <i>Macromolecules</i> , 2018 , 51, 1181-1188	5.5	16
78	Effect of Cross-Link Density on Carbon Dioxide Separation in Polydimethylsiloxane-Norbornene Membranes. <i>ChemSusChem</i> , 2015 , 8, 3595-604	8.3	16
77	Model Branched Polymers: Synthesis and Characterization of Asymmetric H-Shaped Polybutadienes. <i>ACS Macro Letters</i> , 2012 , 1, 537-540	6.6	16

76	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	3.6	15
75	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	2.5	15
74	Solution Properties of 1,3-Cyclohexadiene Polymers by Laser Light Scattering and Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2006 , 39, 897-899	5.5	15
73	Effect of temperature on the frictional forces between polystyrene brushes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 649-655	2.6	15
72	Asymmetrical self-assembly from fluorinated and sulfonated block copolymers in aqueous media. <i>Soft Matter</i> , 2011 , 7, 7960	3.6	14
71	Morphologies of microphase-separated conformationally asymmetric diblock copolymers 1998 , 35, 2629-2643	14	
70	Micellization coupled with facilitation of J-aggregation for poly(1,3-cyclohexadiene)-based amphiphilic block copolymers. <i>Soft Matter</i> , 2008 , 4, 1605-1608	3.6	14
69	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	5.5	14
68	Role of Branching on the Structure of Polymer Brushes Formed from Comb Copolymers. <i>Macromolecules</i> , 2005 , 38, 2524-2529	5.5	14
67	Characterization of star-block copolymers having PS-b-PI arms via SEC/RI/RALLS/DV. <i>Polymer Bulletin</i> , 2000 , 44, 301-307	2.4	14
66	Synthesis, solution properties, and glass transition temperatures of polymethacrylates with alicyclylmethyl side groups. <i>Macromolecular Chemistry and Physics</i> , 1994 , 195, 173-180	2.6	14
65	Forces of interaction between surfaces bearing looped polymer brushes in good solvent. <i>Soft Matter</i> , 2009 , 5, 1897	3.6	13
64	All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. <i>Polymer Chemistry</i> , 2018 , 9, 160-168	4.9	12
63	Analytical Rheology of Asymmetric H-Shaped Model Polybutadiene Melts. <i>Macromolecules</i> , 2012 , 45, 5744-5756	5.5	12
62	Role of Surface Reorganization on Preferential Adsorption of Macromolecular Ensembles at the Solid/Fluid Interface. <i>Macromolecules</i> , 2009 , 42, 7913-7918	5.5	12
61	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	2.5	12
60	Assembly and Characterization of Well-Defined High-Molecular-Weight Poly(p-phenylene) Polymer Brushes. <i>Chemistry of Materials</i> , 2011 , 23, 4367-4374	9.6	11
59	Architecturally and Chemically Modified Poly(1,3-cyclohexadiene). <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 308-314	2.6	11

58	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	0.8	11
57	2-Isopropenyl-2-oxazoline: Well-Defined Homopolymers and Block Copolymers via Living Anionic Polymerization. <i>Macromolecules</i> , 2017 , 50, 54-62	5.5	10
56	Brittle-ductile transition in uniaxial compression of polymer glasses. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 758-770	2.6	10
55	Anionic Synthesis of Epoxy End-Capped Polymers. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 807-814	4.4	10
54	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	1.7	10
53	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	4.9	9
52	Well-Defined Polyisoprene-b-Poly(acrylic acid)/Polystyrene-b-Polyisoprene-b-Poly(acrylic acid) Block Copolymers: Synthesis and Their Self-Assembled Hierarchical Structures in Aqueous Media. <i>ACS Macro Letters</i> , 2012 , 1, 743-747	6.6	9
51	Fluorine-containing linear block terpolymers: Synthesis and self-assembly in solution. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 414-422	2.5	9
50	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	2.6	9
49	Dilute solution properties of asymmetric six-arm star polystyrenes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 2159-2166	2.6	9
48	Grafting Polymer Loops onto Functionalized Nanotubes: Monitoring Grafting and Loop Formation. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 465-477	2.6	8
47	Reactions of Titanocene Derivatives with Molecular Carboxylic Acids and Copolymers Bearing Carboxylic Acid Groups. <i>Applied Organometallic Chemistry</i> , 1997 , 11, 213-221	3.1	8
46	Synthesis and characterization of well-defined [polystyrene-b-poly(2-vinylpyridine)] _n star-block copolymers with poly(2-vinylpyridine) corona blocks. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 3949-3955	2.5	8
45	Micellization of Functionalized Poly(styrene-b-isoprene) Copolymers in n-Decane. <i>Macromolecules</i> , 1996 , 29, 2903-2908	5.5	8
44	Synthesis and unperturbed dimensions of poly(diphenylmethyl methacrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1990 , 28, 1881-1889	2.6	8
43	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	4.3	8
42	Morphologies of microphase-separated conformationally asymmetric diblock copolymers 1997 , 35, 2629		8
41	Novel amphiphilic block copolymers derived from the selective fluorination and sulfonation of poly(styrene-block-1,3-cyclohexadiene). <i>Journal of Polymer Science Part A</i> , 2012 , 50, 338-345	2.5	7

40	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	3.6	7
39	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	5.5	6
38	Thermal Stability of Fluorinated Polydienes Synthesized by Addition of Difluorocarbene. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 49-56	2.6	6
37	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	2.6	6
36	Feature Article: Experimental Design and Molecular Modeling of Novel Graft Copolymers. <i>Polymer News</i> , 2004 , 29, 302-310		6
35	Homopolymerization and Block Copolymer Formation in Room-Temperature Ionic Liquids Using Conventional Free-Radical Initiators. <i>ACS Symposium Series</i> , 2002 , 114-124	0.4	6
34	Novel biodegradable amino acid containing anhydride oligomers for orthopedic applications. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 1979-1984	2.9	6
33	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	2.9	6
32	Synthesis of poly(styrene-b-4-(tert-butyldimethylsiloxy)styrene) block copolymers and characterization of their self-assembled patterns. <i>Molecular Systems Design and Engineering</i> , 2017 , 2, 589-596	4.6	5
31	Convenient synthesis and morphology of latex particles composed of poly (methyl methacrylate)-b-poly (n-butyl acrylate) by 1, 1-diphenylethylene (DPE) seeded emulsion polymerization. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	5
30	The influence of alkylene spacers on conformational and thermal properties of poly (aryl methacrylates). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994 , 32, 715-719	2.6	5
29	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene-b-1,3-cyclohexadiene) Copolymers. <i>Macromolecules</i> , 2017 , 50, 2354-2363	5.5	4
28	Exploring rheological responses to uniaxial stretching of various entangled polyisoprene melts. <i>Journal of Rheology</i> , 2019 , 63, 763-771	4.1	4
27	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, 6509-19	3.6	4
26	Highly Permeable Oligo(ethylene oxide)-co-poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700113	5.9	4
25	Macroscopic Properties of Restacked, Redox-Liquid Exfoliated Graphite and Graphite Mimics Produced in Bulk Quantities. <i>Advanced Functional Materials</i> , 2014 , 24, 4969-4977	15.6	4
24	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	2.9	4
23	Diblock copolymers of polystyrene-b-poly(1,3-cyclohexadiene) exhibiting unique three-phase microdomain morphologies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1564-1572	2.6	4

22	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	5.5	3
21	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	3
20	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
19	The development and characterization of a fracture-toughened acrylic for luting total joint arthroplasties. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 47, 529-36		3
18	Characterizing effects of fast melt deformation on entangled polymers in their glassy state. <i>Journal of Chemical Physics</i> , 2019 , 151, 124906	3.9	2
17	Effect of Cross-Link Density on Carbon Dioxide Separation in Polydimethylsiloxane-Norbornene Membranes. <i>ChemSusChem</i> , 2015 , 8, 3524-3524	8.3	2
16	Poly(styrene-graft-hyperbranched polyglycidol): synthesis and solution behavior of a hyperbranched polyelectrolyte. <i>RSC Advances</i> , 2015 , 5, 5611-5616	3.7	2
15	Surface-Initiated Anionic Polymerization: Tethered Polymer Brushes on Silicate Flat Surfaces. <i>ACS Symposium Series</i> , 2001 , 39-55	0.4	2
14	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	11.7	2
13	Carbon Dioxide Separation: Highly Permeable Oligo(ethylene oxide)-co-poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation (Adv. Sustainable Syst. 4/2018). <i>Advanced Sustainable Systems</i> , 2018 , 2, 1870030	5.9	1
12	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; J. Polym. Eng. 2013, 33, 49-59. <i>Journal of Polymer Engineering</i> , 2013 , 33, 191-191	1.4	1
11	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	0.8	1
10	Synthesis of HIPS using an A ₂ B ₂ Star-Type Graft Copolymer (PB-g-PS). <i>Macromolecular Reaction Engineering</i> , 2010 , 4, 381-386	1.5	1
9	Effect of Molecular Structure on Rheological Behavior of Nearly Monodisperse H-Shaped Polybutadienes. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
8	Effects of Asymmetric Molecular Architecture on Chain Stretching and Dynamics in Miktoarm Star Copolymers. <i>Macromolecules</i> , 2021 , 54, 183-194	5.5	1
7	Morphologies of microphase-separated conformationally asymmetric diblock copolymers 1997 , 35, 2629		1
6	Architecture- and Composition-Controlled Self-Assembly of Block Copolymers and Binary Mixtures With Crosslinkable Components: Chain Exchange Between Block Copolymer Nanoparticles.. <i>Frontiers in Chemistry</i> , 2022 , 10, 833307	5	0
5	Macromol. Chem. Phys. 1/2012. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 120-120	2.6	

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