Christopher Macosko

List of Publications by Citations

196 papers	12,588 citations	56 h-index	108 g-index
205 ext. papers	13,591 ext. citations	4.6 avg, IF	6.68 L-index

#	Paper	IF	Citations
196	Graphene/Polymer Nanocomposites. *Macromolecules*, **2010**, 43, 6515-6530	5.5	2683
195	Graphene/Polyurethane Nanocomposites for Improved Gas Barrier and Electrical Conductivity. *Chemistry of Materials*, **2010**, 22, 3441-3450	9.6	1101
194	Processing-property relationships of polycarbonate/graphene composites. *Polymer*, **2009**, 50, 3797-3809	3.9	540
193	Morphology and Properties of Polyester/Exfoliated Graphite Nanocomposites. *Macromolecules*, **2008**, 41, 3317-3327	5.5	359
192	Graphene/polyethylene nanocomposites: Effect of polyethylene functionalization and blending methods. *Polymer*, **2011**, 52, 1837-1846	3.9	310
191	Combining polyethylene and polypropylene: Enhanced performance with PE/PP multiblock polymers. *Science*, **2017**, 355, 814-816	33.3	251
190	Epoxy Toughening with Low Graphene Loading. *Advanced Functional Materials*, **2015**, 25, 575-585	15.6	243
189	Effect of reinforcing fillers on the rheology of polymer melts. *Journal of Rheology*, **1992**, 36, 1165-1182	4.1	230
188	Strain hardening in polypropylenes and its role in extrusion foaming. *Polymer Engineering and Science*, **2004**, 44, 2090-2100	2.3	207
187	Reactions at polymer□polymer interfaces for blend compatibilization. *Progress in Polymer Science*, **2005**, 30, 939-947	29.6	184
186	Slip at polymer□polymer interfaces: Rheological measurements on coextruded multilayers. *Journal of Rheology*, **2002**, 46, 145-167	4.1	166
185	Role of Block Copolymers on Suppression of Droplet Coalescence. *Macromolecules*, **2002**, 35, 7845-7855	5.5	163
184	Oriented MFI Membranes by Gel-Less Secondary Growth of Sub-100 nm MFI-Nanosheet Seed Layers. *Advanced Materials*, **2015**, 27, 3243-9	24	141
183	Nanoclay-Modified Rigid Polyurethane Foam. *Journal of Macromolecular Science - Physics*, **2005**, 44, 897-908	1.4	122
182	Block copolymer compatibilization of cocontinuous polymer blends. *Polymer*, **2005**, 46, 183-191	3.9	121
181	Influence of normal stress difference on polymer drop deformation. *Polymer Engineering and Science*, **1996**, 36, 1647-1655	2.3	119
180	Rheological changes during a urethane network polymerization. *Polymer Engineering and Science*, **1976**, 16, 803-810	2.3	106

179	Does Graphene Change Tg of Nanocomposites?. *Macromolecules*, **2014**, 47, 8311-8319	5.5	105
178	Improving polymer blend dispersion in mini-mixers. *Polymer Engineering and Science*, **2001**, 41, 118-130	2.3	96
177	Calculation of molecular parameters for stepwise polyfunctional polymerization. *Polymer Engineering and Science*, **1979**, 19, 272-283	2.3	96
176	Interfacial Reaction Induced Roughening in Polymer Blends. *Macromolecules*, **1999**, 32, 106-110	5.5	93
175	Reactivity of common functional groups with urethanes: Models for reactive compatibilization of thermoplastic polyurethane blends. *Journal of Polymer Science Part A*, **2002**, 40, 2310-2328	2.5	91
174	Coalescence in polymer blends during shearing. *AICHE Journal*, **2000**, 46, 229-238	3.6	84
173	Nonlinear shear and extensional rheology of long-chain randomly branched polybutadiene. *Journal of Rheology*, **1998**, 42, 1303-1327	4.1	83
172	Rheology of network forming systems. *Polymer Engineering and Science*, **1973**, 13, 236-240	2.3	82
171	Adhesion between Immiscible Polymers Correlated with Interfacial Entanglements. *Macromolecules* , **2003**, 36, 2808-2815	5.5	81
170	Localizing graphene at the interface of cocontinuous polymer blends: Morphology, rheology, and conductivity of cocontinuous conductive polymer composites. *Journal of Rheology*, **2017**, 61, 575-587	4.1	79
169	Kinetics and energetics of a fast polyurethane cure. *Journal of Applied Polymer Science*, **1977**, 21, 2029-2039	2.3	79
168	Open-Pore Two-Dimensional MFI Zeolite Nanosheets for the Fabrication of Hydrocarbon-Isomer-Selective Membranes on Porous Polymer Supports. *Angewandte Chemie - International Edition*, **2016**, 55, 7184-7	16.4	77
167	Flow-Induced Reactive Self-Assembly. *Macromolecules*, **1997**, 30, 1243-1246	5.5	77
166	Block Copolymers in Homopolymer Blends:Interface vs Micelles. *Macromolecules*, **2001**, 34, 8663-8668	5.5	76
165	Nanofibers from Melt Blown Fiber-in-Fiber Polymer Blends.. *ACS Macro Letters*, **2013**, 2, 301-305	6.6	70
164	Kinetic model for crosslinking free radical polymerization including diffusion limitations. *Journal of Applied Polymer Science*, **1992**, 44, 1711-1729	2.9	70
163	Impingement mixing in reaction injection molding. *Polymer Engineering and Science*, **1980**, 20, 868-874	2.3	70
162	Can extensional viscosity be measured with opposed-nozzle devices?. *Rheologica Acta*, **1997**, 36, 429-448	2.3	69

161	Controlling the Morphology of Immiscible Cocontinuous Polymer Blends via Silica Nanoparticles Jammed at the Interface. *Macromolecules*, **2016**, 49, 3911-3918	5.5	69
160	Model experiments for the interfacial reaction between polymers during reactive polymer blending. *Journal of Polymer Science, Part B: Polymer Physics*, **1994**, 32, 205-213	2.6	68
159	Modeling of coalescence in polymer blends. *AICHE Journal*, **2002**, 48, 7-14	3.6	67
158	Swelling Behavior of Irradiation Cross-Linked Elastomeric Polypentapeptide-Based Hydrogels. *Macromolecules*, **2001**, 34, 4114-4123	5.5	67
157	Milligrams to kilograms: An evaluation of mixers for reactive polymer blending. *Polymer Engineering and Science*, **1995**, 35, 100-114	2.3	65
156	Viscous dissipation in die flows. *AICHE Journal*, **1974**, 20, 785-795	3.6	65
155	Melt crystallization of poly(ethylene terephthalate): Comparing addition of graphene vs. carbon nanotubes. *Polymer*, **2014**, 55, 2077-2085	3.9	64
154	Transmission electron microscopy of saturated hydrocarbon block copolymers. *Journal of Polymer Science, Part B: Polymer Physics*, **1995**, 33, 247-252	2.6	64
153	Effect of thermally reduced graphene sheets on the phase behavior, morphology, and electrical conductivity in poly[(methyl styrene)-co-(acrylonitrile)/poly(methyl-methacrylate) blends. *ACS Applied Materials & Interfaces*, **2011**, 3, 3172-80	9.5	63
152	Coupling Reactions of End- vs Mid-Functional Polymers. *Macromolecules*, **2004**, 37, 2563-2571	5.5	63
151	Wetting of fiber mats for composites manufacturing: I. Visualization experiments. *AICHE Journal*, **1995**, 41, 2261-2273	3.6	62
150	Stabilization of PE/PEO Cocontinuous Blends by Interfacial Nanoclays. *Macromolecules*, **2015**, 48, 4631-4644	5.5	61
149	Polymer-polymer interfacial slip in multilayered films. *Journal of Rheology*, **2009**, 53, 893-915	4.1	61
148	The influence of impingement mixing on striation thickness distribution and properties in fast polyurethane polymerization. *Polymer Engineering and Science*, **1982**, 22, 388-392	2.3	61
147	Heat transfer and curing in polymer reaction molding. *AICHE Journal*, **1976**, 22, 268-276	3.6	61
146	Unsaturated polyester resin toughening with very low loadings of GO derivatives. *Polymer*, **2017**, 110, 149-157	3.9	60
145	Dynamics and rheology of nonpolar bijels. *Soft Matter*, **2015**, 11, 5282-93	3.6	59
144	Extensional viscosity from entrance pressure drop measurements. *Rheologica Acta*, **1997**, 36, 144-151	2.3	59

143	Comparison of methods for the detection of cocontinuity in poly(ethylene oxide)/polystyrene blends. *Polymer Engineering and Science*, **2004**, 44, 714-727	2.3	59
142	2D Zeolite Coatings: Langmuir-Schaefer Deposition of 3 nm Thick MFI Zeolite Nanosheets. *Angewandte Chemie - International Edition*, **2015**, 54, 6571-5	16.4	57
141	Microstructure of triblock copolymers in asphalt oligomers. *Journal of Polymer Science, Part B: Polymer Physics*, **1997**, 35, 2857-2877	2.6	57
140	Interfacial slip reduces polymer-polymer adhesion during coextrusion. *Journal of Rheology*, **2006**, 50, 41-57	4.1	55
139	Rheological changes during crosslinking. *British Polymer Journal*, **1985**, 17, 239-245		55
138	Network parameters for crosslinking of chains with length and site distribution. *Journal of Polymer Science, Part B: Polymer Physics*, **1988**, 26, 1-54	2.6	54
137	Interfacial Morphology Development during PS/PMMA Reactive Coupling. *Macromolecules*, **2005**, 38, 6586-6591	5.5	52
136	Kinetic Control of Graphene Localization in Co-continuous Polymer Blends via Melt Compounding. *Langmuir*, **2018**, 34, 1073-1083	4	51
135	A simple route towards graphene oxide frameworks. *Materials Horizons*, **2014**, 1, 139-145	14.4	51
134	Synchrotron X-ray Microtomography for 3D Imaging of Polymer Blends. *Macromolecules*, **2007**, 40, 2029-2035	5.5	51
133	Effect of Thermodynamic Interactions on Reactions at Polymer/Polymer Interfaces. *Macromolecules* , **2003**, 36, 7212-7219	5.5	51
132	Annealing of Cocontinuous Polymer Blends: Effect of Block Copolymer Molecular Weight and Architecture. *Macromolecules*, **2010**, 43, 5024-5032	5.5	50
131	Sol-gel polycondensation kinetic modeling: Methylethoxysilanes. *AICHE Journal*, **1998**, 44, 1141-1156	3.6	50
130	Characterizing interface shape evolution in immiscible polymer blends via 3D image analysis. *Langmuir*, **2009**, 25, 9392-404	4	49
129	Rheological and morphological study of cocontinuous polymer blends during coarsening. *Journal of Rheology*, **2012**, 56, 1315-1334	4.1	47
128	Porous Films via PE/PEO Cocontinuous Blends. *Macromolecules*, **2012**, 45, 6036-6044	5.5	46
127	Mechanical Properties of Linear Low-density Polyethylene (LLDPE)/clay Nanocomposites: Estimation of Aspect Ratio and Interfacial Strength by Composite Models. *Journal of Macromolecular Science - Physics*, **2008**, 47, 608-619	1.4	46
126	Monte Carlo description of Af homopolymerization: Diffusional effects. *Journal of Chemical Physics*, **1991**, 95, 2097-2108	3.9	46

125	Accelerating Reactive Compatibilization of PE/PLA Blends by an Interfacially Localized Catalyst. *ACS Macro Letters*, **2015**, 4, 30-33	6.6	44
124	Curing and heat transfer in polyurethane reaction molding. *Polymer Engineering and Science*, **1978**, 18, 382-387	2.3	44
123	Structure and Rheology of Hydrogen Bond Reinforced Liquid Crystals. *Chemistry of Materials*, **2004**, 16, 3045-3055	9.6	43
122	DSC and 13C-NMR studies of the imidazole-accelerated reaction between epoxides and phenols. *Journal of Applied Polymer Science*, **1989**, 38, 1253-1269	2.9	43
121	Thermoplastic polyurethane elastomers from bio-based poly(ε-decalactone) diols. *Polymer Chemistry*, **2014**, 5, 3231-3237	4.9	40
120	Viscosity Rise during Free Radical Crosslinking Polymerization with Inhibition. *Journal of Rheology*, **1985**, 29, 259-272	4.1	39
119	Coalescence in blends of thermoplastic polyurethane with polyolefins. *Polymer Engineering and Science*, **1999**, 39, 1022-1034	2.3	38
118	Effect of extensional viscosity on cocontinuity of immiscible polymer blends. *Journal of Rheology*, **2015**, 59, 1397-1417	4.1	37
117	A new model for the coarsening of cocontinuous morphologies. *Soft Matter*, **2010**, 6, 2637	3.6	37
116	Heat transfer and cure in pultrusion: Model and experimental verification. *AICHE Journal*, **1993**, 39, 1228-1241	3.6	37
115	Role of Crystallization on Polyolefin Interfaces: An Improved Outlook for Polyolefin Blends. *Macromolecules*, **2018**, 51, 2506-2516	5.5	36
114	Hydrolysis and blistering of cyanate ester networks. *Journal of Applied Polymer Science*, **1997**, 64, 107-112	2.9	36
113	Simultaneous measurement of viscoelastic changes and cell opening during processing of flexible polyurethane foam. *Rheologica Acta*, **1996**, 35, 656-666	2.3	36
112	Chemorheology relations for epoxy-amine crosslinking. *Journal of Polymer Science, Part B: Polymer Physics*, **1990**, 28, 691-709	2.6	36
111	Molecular weight relations for crosslinking of chains with length and site distribution. *Journal of Polymer Science, Part B: Polymer Physics*, **1987**, 25, 2441-2469	2.6	36
110	Polymerization of dicyclopentadiene: A new reaction injection molding system. *Journal of Applied Polymer Science*, **1985**, 30, 2787-2803	2.9	35
109	Wetting of fiber mats for composites manufacturing: II. Air entrapment model. *AICHE Journal*, **1995**, 41, 2274-2281	3.6	34
108	Rheology of compatibilized immiscible blends with droplet-matrix and cocontinuous morphologies during coarsening. *Journal of Rheology*, **2014**, 58, 1935-1953	4.1	33

107	Kinetics of isocyanate amine reactions. *Journal of Applied Polymer Science*, **1987**, 34, 2409-2432	2.9	33
106	Rheological and Mechanical Properties of Filled Rubber: Silica-Silicone. *Rubber Chemistry and Technology*, **1994**, 67, 820-833	1.7	32
105	Reactive compatibilization of poly(lactic acid)/polystyrene blends and its application to preparation of hierarchically porous poly(lactic acid). *Polymer*, **2018**, 134, 104-116	3.9	32
104	Flow accelerates adhesion between functional polyethylene and polyurethane. *AICHE Journal*, **2011** , 57, 3496-3506	3.6	31
103	Urea hard segment morphology in flexible polyurethane foam **1998**, 36, 573-581		31
102	Compatibilized blends of thermoplastic polyurethane (TPU) and polypropylene. *Macromolecular Symposia*, **2003**, 198, 221-232	0.8	31
101	Kinetics and conversion monitoring in a RIM themoplastic polyurethane system. *Journal of Applied Polymer Science*, **1980**, 25, 2317-2329	2.9	31
100	Reactive Compatibilization of Poly(ethylene terephthalate) and High-Density Polyethylene Using Amino-Telechelic Polyethylene. *Macromolecules*, **2016**, 49, 8988-8994	5.5	31
99	Formation of curcumin nanoparticles by flash nanoprecipitation from emulsions. *Journal of Colloid and Interface Science*, **2014**, 434, 65-70	9.3	30
98	Phase transition and elasticity of protein-based hydrogels. *Journal of Biomaterials Science, Polymer Edition*, **2001**, 12, 229-42	3.5	30
97	Polymer-polymer interfacial slip by direct visualization and by stress reduction. *Journal of Rheology*, **2010**, 54, 1207-1218	4.1	28
96	Nanoparticles Containing High Loads of Paclitaxel-Silicate Prodrugs: Formulation, Drug Release, and Anticancer Efficacy. *Molecular Pharmaceutics*, **2015**, 12, 4329-35	5.6	26
95	Influence of Functionalized Graphene Sheets on Modulus and Glass Transition of PMMA. *Macromolecules*, **2014**, 47, 7674-7676	5.5	26
94	Amino-Functionalized Polyethylene for Enhancing the Adhesion between Polyolefins and Polyurethanes. *Industrial & Engineering Chemistry Research*, **2011**, 50, 3274-3279	3.9	26
93	Synthesis of end- and mid-Phthalic Anhydride Functional Polymers by Atom Transfer Radical Polymerization. *Macromolecules*, **2001**, 34, 7941-7951	5.5	26
92	Transient extensional viscosity from a rotational shear rheometer using fiber-windup technique. *Journal of Rheology*, **1996**, 40, 473-481	4.1	26
91	Polymer Day: Outreach Experiments for High School Students. *Journal of Chemical Education*, **2017**, 94, 1629-1638	2.4	25
90	Kinetics of amine-cyclic anhydride reactions in moderately polar solutions. *Journal of Polymer Science Part A*, **1995**, 33, 2165-2174	2.5	25

89	Fluorine-Enriched Melt-Blown Fibers from Polymer Blends of Poly(butylene terephthalate) and a Fluorinated Multiblock Copolyester. *ACS Applied Materials & Interfaces*, **2016**, 8, 754-61	9.5	25
88	Polymer□olymer mutual diffusion via rheology of coextruded multilayers. *AICHE Journal*, **2007**, 53, 978-985	3.6	24
87	Stress relaxation and dynamic viscoelastic properties of end-linked poly(dimethyl siloxane) networks containing unattached poly(dimethyl siloxane). *Journal of Polymer Science, Polymer Physics Edition*, **1981**, 19, 1745-1757		23
86	Structure development in cyanate ester polymerization. *Polymer International*, **1997**, 44, 237-247	3.3	22
85	Effect of Graphene on Polypropylene/Maleic Anhydride-graft-Ethylene□Vinyl Acetate (PP/EVA-g-MA) Blend: Mechanical, Thermal, Morphological, and Rheological Properties. *Industrial & Engineering Chemistry Research*, **2018**, 57, 7834-7845	3.9	20
84	AFM probing of polymer/nanofiller interfacial adhesion and its correlation with bulk mechanical properties in a poly(ethylene terephthalate) nanocomposite. *Langmuir*, **2014**, 30, 12950-9	4	20
83	Dynamics of Capillary-Driven Flow in 3D Printed Open Microchannels. *Langmuir*, **2017**, 33, 2949-2964	4	18
82	Reactive coupling between immiscible polymer chains: Acceleration by compressive flow. *AICHE Journal*, **2013**, 59, 3391-3402	3.6	18
81	Direct measurement of interface anisotropy of bicontinuous structures via 3D image analysis. *Langmuir*, **2010**, 26, 14284-93	4	18
80	Direct Correlation Between Adhesion Promotion and Coupling Reaction at Immiscible Polymer-Polymer Interfaces **2006**, 82, 887-902		18
79	Microdispersive interfacial mixing in fast polymerizations. *AICHE Journal*, **1988**, 34, 1057-1064	3.6	18
78	Strategies for interfacial localization of graphene/polyethylene-based cocontinuous blends for electrical percolation. *AICHE Journal*, **2019**, 65, e16579	3.6	17
77	Functionalized linear low-density polyethylene by ring-opening metathesis polymerization. *Polymer Chemistry*, **2013**, 4, 1193-1198	4.9	17
76	Copolymerization kinetics of a model siloxane system. *Journal of Polymer Science Part A*, **1997**, 35, 1293-1302	2.5	17
75	A forced torsional oscillator for dynamic mechanical measurements. *Polymer Engineering and Science*, **1977**, 17, 32-37	2.3	17
74	Capillary Coatings: Flow and Drying Dynamics in Open Microchannels. *Langmuir*, **2018**, 34, 7624-7639	4	17
73	Polymer/Graphene Composites via Spinodal Decomposition of Miscible Polymer Blends. *Macromolecules*, **2019**, 52, 7625-7637	5.5	16
72	Rheology of polymer multilayers: Slip in shear, hardening in extension. *Journal of Rheology*, **2019**, 63, 751-761	4.1	16

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70	Modeling strategy for systems with both stepwise and chainwise chemistry: Amine-epoxy networks with etherification. *Journal of Polymer Science, Part B: Polymer Physics*, **1990**, 28, 2585-2606	2.6	16
69	Higher-Order Structure in Amorphous Poly(ethylene terephthalate)/Graphene Nanocomposites and Its Correlation with Bulk Mechanical Properties. *ACS Omega*, **2019**, 4, 1228-1237	3.9	15
68	2D Zeolite Coatings: Langmuir–Schaefer Deposition of 3 nm Thick MFI Zeolite Nanosheets. *Angewandte Chemie*, **2015**, 127, 6671-6675	3.6	15
67	Rheological and mechanical behavior of blends of styrene-butadiene rubber with polypropylene. *Polymer Engineering and Science*, **2005**, 45, 1487-1497	2.3	15
66	Reaction injection molding process of glass fiber reinforced polyurethane composites. *Polymer Engineering and Science*, **2000**, 40, 2205-2216	2.3	15
65	Phase separation during fast (RIM) poly-urethane polymerization. *Makromolekulare Chemie Macromolecular Symposia*, **1989**, 25, 23-44		15
64	Can nanoparticle toughen fiber-reinforced thermosetting polymers?. *Journal of Materials Science*, **2019**, 54, 4471-4483	4.3	14
63	Development of discrete nanopores I: Tension of polypropylene/ polyethylene copolymer blends. *Journal of Applied Polymer Science*, **2004**, 91, 3642-3650	2.9	13
62	Nanoparticles in Glass Fiber-Reinforced Polyester Composites: Comparing Toughening Effects of Modified Graphene Oxide and Core-Shell Rubber. *Polymer Composites*, **2019**, 40, E1512-E1524	3	13
61	Polyethylene Terephthalate/Trimellitic Anhydride Modified Graphene Nanocomposites. *ACS Applied Nano Materials*, **2018**, 1, 6301-6311	5.6	13
60	Interfacial Energy and Adhesion between Acrylic Pressure Sensitive Adhesives and Release Coatings **2001**, 77, 95-123		12
59	Sub-Micrometer Zeolite Films on Gold-Coated Silicon Wafers with Single-Crystal-Like Dielectric Constant and Elastic Modulus. *Advanced Functional Materials*, **2017**, 27, 1700864	15.6	11
58	A comparison of boundary element and finite element methods for modeling axisymmetric polymeric drop deformation. *International Journal for Numerical Methods in Fluids*, **2001**, 37, 837-864	1.9	11
57	Tensile yield energy in glassy polymers. *Polymer Engineering and Science*, **1972**, 12, 444-449	2.3	11
56	Adhesion between polyethylenes and different types of polypropylenes. *Polymer Journal*, **2012**, 44, 939-945	2.7	10
55	Rheology of highly concentrated anionic surfactants. *Rheologica Acta*, **2006**, 45, 891-898	2.3	10
54	Interfacial crosslinking and diffusion via extensional rheometry. *Polymer Engineering and Science*, **2002**, 42, 1-9	2.3	10

53	Raman imaging of surface and sub-surface graphene oxide in fiber reinforced polymer nanocomposites. *Carbon*, **2019**, 143, 793-801	10.4	10
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50	Reaction Kinetics and Injection Molding of Liquid Silicone Rubber. *Rubber Chemistry and Technology* , **1991**, 64, 218-233	1.7	9
49	Effects of Inorganic Fillers on Toughening of Vinyl Ester Resins by Modified Graphene Oxide. *Industrial & Engineering Chemistry Research*, **2018**, 57, 4592-4599	3.9	8
48	Interfacial Tension Measurement and Micellization in a Polymer Blend with Copolymer Surfactant: A False Critical Micelle Concentration. *Macromolecules*, **2015**, 48, 8154-8168	5.5	8
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42	Calculation of average molecular properties during nonlinear, living copolymerization. *Die Makromolekulare Chemie*, **1991**, 192, 377-404		7
41	The recirculating screw mixer: A new small-volume mixer for the polymer laboratory. *Polymer Engineering and Science*, **1993**, 33, 1065-1078	2.3	7
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36	Evaluating sag resistance with a multinotched applicator: correlation with surface flow measurements and practical recommendations **2015**, 12, 809-817		6

35	Models for adhesion at weak polymer interfaces. *Journal of Polymer Science, Part B: Polymer Physics* , **2009**, 47, 2313-2319	2.6	6
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33	Heat Transfer and Property Development in Liquid Silicone Rubber Molding. *Rubber Chemistry and Technology*, **1985**, 58, 436-448	1.7	6
32	Dispersing organoclay in polystyrene melts: Roles of stress and diffusion. *Central South University*, **2007**, 14, 196-201		5
31	Sol-Gel Kinetics for the Preparation of Inorganic/Organic Siloxane Copolymers. *Materials Research Society Symposia Proceedings*, **1996**, 435, 113		5
30	Interfacial Interactions in Silica Reinforced Silicones. *Materials Research Society Symposia Proceedings*, **1989**, 170, 303		5
29	Can extensional viscosity be measured with opposed-nozzle devices? **1997**, 36, 429		4
28	RouseBueche theory and the calculation of the monomeric friction coefficient in a filled system. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 1437-1442	2.6	4
27	Toughening polylactide with a catalyzed epoxy-acid interfacial reaction. *Polymer Engineering and Science*, **2018**, 58, 28-36	2.3	3
26	Modeling the intrinsic viscosity of polydisperse disks. *Journal of Rheology*, **2017**, 61, 997-1006	4.1	3
25	Effect of Silicone Surfactant on Air Flow of Flexible Polyurethane Foams. *ACS Symposium Series*, **1997**, 130-142	0.4	3
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22	Linear, Graft, and Beyond: Multiblock Copolymers as Next-Generation Compatibilizers.. *Jacs Au*, **2022**, 2, 310-321		3
21	Adapting a Capillary Rheometer for Research on Polymer Melt Interfaces. *Industrial & Engineering Chemistry Research*, **2018**, 57, 14106-14113	3.9	3
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19	Rheological characterization and thermal modeling of polyolefins for process design and tailored interfaces **2017**,		2
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