Christopher Macosko

List of Publications by Year in Descending Order

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	Linear, Graft, and Beyond: Multiblock Copolymers as Next-Generation Compatibilizers.. *Jacs Au*, **2022**, 2, 310-321		3
195	Degradation and Breakdown of Polymer/Graphene Composites under Strong Electric Field. *Journal of Composites Science*, **2022**, 6, 139	3	0
194	Molecular Dynamics-Based Cohesive Law for Epoxy□raphene Interfaces. *Tribology Letters*, **2021**, 69, 1	2.8	0
193	Evaluating PE/PLA interfacial tension using ternary immiscible polymer blends. *Journal of Applied Polymer Science*, **2021**, 138, 50623	2.9	1
192	Effects of a Layered Morphology on Drip Suppression in Burning Polymers. *ACS Applied Polymer Materials*, **2021**, 3, 1664-1674	4.3	2
191	Robust networks of interfacial localized graphene in cocontinuous polymer blends. *Journal of Rheology*, **2021**, 65, 1139-1153	4.1	3
190	PET/Graphene Compatibilization for Different Aspect Ratio Graphenes via Trimellitic Anhydride Functionalization. *ACS Omega*, **2020**, 5, 3228-3239	3.9	6
189	Imprinting Graphene on Polymer Substrates via Coextrusion. *Industrial & Engineering Chemistry Research*, **2020**, 59, 15929-15935	3.9	
188	Polymer/Graphene Composites via Spinodal Decomposition of Miscible Polymer Blends. *Macromolecules*, **2019**, 52, 7625-7637	5.5	16
187	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
186	Effect of primary particle size and aggregate size of modified graphene oxide on toughening of unsaturated polyester resin. *Polymer Composites*, **2019**, 40, 3886-3894	3	1
185	Strategies for interfacial localization of graphene/polyethylene-based cocontinuous blends for electrical percolation. *AICHE Journal*, **2019**, 65, e16579	3.6	17
184	Rheology of polymer multilayers: Slip in shear, hardening in extension. *Journal of Rheology*, **2019**, 63, 751-761	4.1	16
183	Accelerating the Coupling of Maleated Polyolefins with Polyesters via Tin Compounds. *Macromolecules*, **2019**, 52, 8359-8366	5.5	2
182	Raman imaging of surface and sub-surface graphene oxide in fiber reinforced polymer nanocomposites. *Carbon*, **2019**, 143, 793-801	10.4	10
181	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
180	Can nanoparticle toughen fiber-reinforced thermosetting polymers?. *Journal of Materials Science*, **2019**, 54, 4471-4483	4.3	14

179	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
178	Role of Crystallization on Polyolefin Interfaces: An Improved Outlook for Polyolefin Blends. *Macromolecules*, **2018**, 51, 2506-2516	5.5	36
177	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
176	Toughening polylactide with a catalyzed epoxy-acid interfacial reaction. *Polymer Engineering and Science*, **2018**, 58, 28-36	2.3	3
175	Kinetic Control of Graphene Localization in Co-continuous Polymer Blends via Melt Compounding. *Langmuir*, **2018**, 34, 1073-1083	4	51
174	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
173	Adapting a Capillary Rheometer for Research on Polymer Melt Interfaces. *Industrial & Engineering Chemistry Research*, **2018**, 57, 14106-14113	3.9	3
172	Polyethylene Terephthalate/Trimellitic Anhydride Modified Graphene Nanocomposites. *ACS Applied Nano Materials*, **2018**, 1, 6301-6311	5.6	13
171	Capillary Coatings: Flow and Drying Dynamics in Open Microchannels. *Langmuir*, **2018**, 34, 7624-7639	4	17
170	Combining polyethylene and polypropylene: Enhanced performance with PE/PP multiblock polymers. *Science*, **2017**, 355, 814-816	33.3	251
169	Dynamics of Capillary-Driven Flow in 3D Printed Open Microchannels. *Langmuir*, **2017**, 33, 2949-2964	4	18
168	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
167	Polymer Day: Outreach Experiments for High School Students. *Journal of Chemical Education*, **2017**, 94, 1629-1638	2.4	25
166	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
165	Rheological characterization and thermal modeling of polyolefins for process design and tailored interfaces **2017**,		2
164	Unsaturated polyester resin toughening with very low loadings of GO derivatives. *Polymer*, **2017**, 110, 149-157	3.9	60
163	Modified-Graphene-Oxide-Containing Styrene Masterbatches for Thermosets. *Industrial & Engineering Chemistry Research*, **2017**, 56, 11443-11450	3.9	6
162	Modeling the intrinsic viscosity of polydisperse disks. *Journal of Rheology*, **2017**, 61, 997-1006	4.1	3

161	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
160	Open-Pore Two-Dimensional MFI Zeolite Nanosheets for the Fabrication of Hydrocarbon-Isomer-Selective Membranes on Porous Polymer Supports. *Angewandte Chemie*, **2016**, 128, 7300-7303	3.6	9
159	Titelbild: Open-Pore Two-Dimensional MFI Zeolite Nanosheets for the Fabrication of Hydrocarbon-Isomer-Selective Membranes on Porous Polymer Supports (Angew. Chem. 25/2016). *Angewandte Chemie*, **2016**, 128, 7123-7123	3.6	
158	Rouse–Bueche 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
157	Reactive Compatibilization of Poly(ethylene terephthalate) and High-Density Polyethylene Using Amino-Telechelic Polyethylene. *Macromolecules*, **2016**, 49, 8988-8994	5.5	31
156	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
155	Controlling the Morphology of Immiscible Cocontinuous Polymer Blends via Silica Nanoparticles Jammed at the Interface. *Macromolecules*, **2016**, 49, 3911-3918	5.5	69
154	Poly(urea ester): A family of biodegradable polymers with high melting temperatures. *Journal of Polymer Science Part A*, **2016**, 54, 3795-3799	2.5	8
153	Stabilization of PE/PEO Cocontinuous Blends by Interfacial Nanoclays. *Macromolecules*, **2015**, 48, 4631-4644	5.5	61
152	2D Zeolite Coatings: Langmuir-Schaefer Deposition of 3 nm Thick MFI Zeolite Nanosheets. *Angewandte Chemie - International Edition*, **2015**, 54, 6571-5	16.4	57
151	Nanoparticles Containing High Loads of Paclitaxel-Silicate Prodrugs: Formulation, Drug Release, and Anticancer Efficacy. *Molecular Pharmaceutics*, **2015**, 12, 4329-35	5.6	26
150	Epoxy Toughening with Low Graphene Loading. *Advanced Functional Materials*, **2015**, 25, 575-585	15.6	243
149	Accelerating Reactive Compatibilization of PE/PLA Blends by an Interfacially Localized Catalyst. *ACS Macro Letters*, **2015**, 4, 30-33	6.6	44
148	Zeolite Membranes: Oriented MFI Membranes by Gel-Less Secondary Growth of Sub-100 nm MFI-Nanosheet Seed Layers (Adv. Mater. 21/2015). *Advanced Materials*, **2015**, 27, 3339-3339	24	
147	Effect of extensional viscosity on cocontinuity of immiscible polymer blends. *Journal of Rheology*, **2015**, 59, 1397-1417	4.1	37
146	Oriented MFI Membranes by Gel-Less Secondary Growth of Sub-100 nm MFI-Nanosheet Seed Layers. *Advanced Materials*, **2015**, 27, 3243-9	24	141
145	2D Zeolite Coatings: Langmuir–Schaefer Deposition of 3 nm Thick MFI Zeolite Nanosheets. *Angewandte Chemie*, **2015**, 127, 6671-6675	3.6	15
144	Evaluating sag resistance with a multinotched applicator: correlation with surface flow measurements and practical recommendations **2015**, 12, 809-817		6

143	Dynamics and rheology of nonpolar bijels. *Soft Matter*, **2015**, 11, 5282-93	3.6	59
142	Sag in drying coatings: Prediction and real time measurement with particle tracking. *Progress in Organic Coatings*, **2015**, 86, 49-58	4.8	9
141	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
140	Thermoplastic polyurethane elastomers from bio-based poly(□decalactone) diols. *Polymer Chemistry*, **2014**, 5, 3231-3237	4.9	40
139	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
138	Influence of Functionalized Graphene Sheets on Modulus and Glass Transition of PMMA. *Macromolecules*, **2014**, 47, 7674-7676	5.5	26
137	Rheology of compatibilized immiscible blends with droplet-matrix and cocontinuous morphologies during coarsening. *Journal of Rheology*, **2014**, 58, 1935-1953	4.1	33
136	Formation of curcumin nanoparticles by flash nanoprecipitation from emulsions. *Journal of Colloid and Interface Science*, **2014**, 434, 65-70	9.3	30
135	A simple route towards graphene oxide frameworks. *Materials Horizons*, **2014**, 1, 139-145	14.4	51
134	Melt crystallization of poly(ethylene terephthalate): Comparing addition of graphene vs. carbon nanotubes. *Polymer*, **2014**, 55, 2077-2085	3.9	64
133	Does Graphene Change Tg of Nanocomposites?. *Macromolecules*, **2014**, 47, 8311-8319	5.5	105
132	Reactive coupling between immiscible polymer chains: Acceleration by compressive flow. *AICHE Journal*, **2013**, 59, 3391-3402	3.6	18
131	Functionalized linear low-density polyethylene by ring-opening metathesis polymerization. *Polymer Chemistry*, **2013**, 4, 1193-1198	4.9	17
130	Nanofibers from Melt Blown Fiber-in-Fiber Polymer Blends.. *ACS Macro Letters*, **2013**, 2, 301-305	6.6	70
129	An aqueous pathway to polymeric foaming with nanoclay. *Green Chemistry*, **2012**, 14, 766	10	7
128	Rheological and morphological study of cocontinuous polymer blends during coarsening. *Journal of Rheology*, **2012**, 56, 1315-1334	4.1	47
127	Porous Films via PE/PEO Cocontinuous Blends. *Macromolecules*, **2012**, 45, 6036-6044	5.5	46
126	Adhesion between polyethylenes and different types of polypropylenes. *Polymer Journal*, **2012**, 44, 939-945	2.7	10

125	Amino-Functionalized Polyethylene for Enhancing the Adhesion between Polyolefins and Polyurethanes. *Industrial & Engineering Chemistry Research*, **2011**, 50, 3274-3279	3.9	26
124	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
123	Flow accelerates adhesion between functional polyethylene and polyurethane. *AICHE Journal*, **2011** , 57, 3496-3506	3.6	31
122	Graphene/polyethylene nanocomposites: Effect of polyethylene functionalization and blending methods. *Polymer*, **2011**, 52, 1837-1846	3.9	310
121	Annealing of Cocontinuous Polymer Blends: Effect of Block Copolymer Molecular Weight and Architecture. *Macromolecules*, **2010**, 43, 5024-5032	5.5	50
120	Direct measurement of interface anisotropy of bicontinuous structures via 3D image analysis. *Langmuir*, **2010**, 26, 14284-93	4	18
119	Graphene/Polyurethane Nanocomposites for Improved Gas Barrier and Electrical Conductivity. *Chemistry of Materials*, **2010**, 22, 3441-3450	9.6	1101
118	Polymer-polymer interfacial slip by direct visualization and by stress reduction. *Journal of Rheology*, **2010**, 54, 1207-1218	4.1	28
117	A new model for the coarsening of cocontinuous morphologies. *Soft Matter*, **2010**, 6, 2637	3.6	37
116	Graphene/Polymer Nanocomposites. *Macromolecules*, **2010**, 43, 6515-6530	5.5	2683
115	Models for adhesion at weak polymer interfaces. *Journal of Polymer Science, Part B: Polymer Physics* , **2009**, 47, 2313-2319	2.6	6
114	Processing-property relationships of polycarbonate/graphene composites. *Polymer*, **2009**, 50, 3797-3809	3.9	540
113	Characterizing interface shape evolution in immiscible polymer blends via 3D image analysis. *Langmuir*, **2009**, 25, 9392-404	4	49
112	Polymer-polymer interfacial slip in multilayered films. *Journal of Rheology*, **2009**, 53, 893-915	4.1	61
111	Coarsening of PS/SAN Blends with Cocontinuous Morphology Studied with 3D Image Analysis. *Macromolecular Symposia*, **2009**, 283-284, 348-353	0.8	2
110	Morphology and Properties of Polyester/Exfoliated Graphite Nanocomposites. *Macromolecules*, **2008**, 41, 3317-3327	5.5	359
109	Mechanical Properties of Linear Low-density Polyethylene (LLDPE)/clay Nanocomposites: Estimation of Aspect Ratio and □terfacial Strength by Composite Models. *Journal of Macromolecular Science - Physics*, **2008**, 47, 608-619	1.4	46
108	Morphology and Rheology of Cocontinuous Blends. *AIP Conference Proceedings*, **2008**,	0	1

107	Synchrotron X-ray Microtomography for 3D Imaging of Polymer Blends. *Macromolecules*, **2007**, 40, 2029-2035	3.9	51
106	Synthesis of lamellar isobutyl silicates and dispersion in polypropylene melts. *Journal of Applied Polymer Science*, **2007**, 105, 1456-1465	2.9	3
105	Polymer□polymer mutual diffusion via rheology of coextruded multilayers. *AICHE Journal*, **2007**, 53, 978-986	3.6	24
104	Dispersing organoclay in polystyrene melts: Roles of stress and diffusion. *Central South University*, **2007**, 14, 196-201		5
103	Interfacial slip reduces polymer-polymer adhesion during coextrusion. *Journal of Rheology*, **2006**, 50, 41-57	4.1	55
102	Direct Correlation Between Adhesion Promotion and Coupling Reaction at Immiscible Polymer-Polymer Interfaces **2006**, 82, 887-902		18
101	Rheology of highly concentrated anionic surfactants. *Rheologica Acta*, **2006**, 45, 891-898	2.3	10
100	Interfacial Morphology Development during PS/PMMA Reactive Coupling. *Macromolecules*, **2005**, 38, 6586-6591	5.5	52
99	Nanoclay-Modified Rigid Polyurethane Foam. *Journal of Macromolecular Science - Physics*, **2005**, 44, 897-908	1.1	122
98	Reactions at polymer□polymer interfaces for blend compatibilization. *Progress in Polymer Science*, **2005**, 30, 939-947	29.6	184
97	Development of discrete nanopores. II. Comparison between layered films and blends of polyolefins. *Journal of Applied Polymer Science*, **2005**, 95, 708-718	2.9	3
96	Block copolymer compatibilization of cocontinuous polymer blends. *Polymer*, **2005**, 46, 183-191	3.9	121
95	Rheological and mechanical behavior of blends of styrene-butadiene rubber with polypropylene. *Polymer Engineering and Science*, **2005**, 45, 1487-1497	2.3	15
94	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
93	Strain hardening in polypropylenes and its role in extrusion foaming. *Polymer Engineering and Science*, **2004**, 44, 2090-2100	2.3	207
92	Development of discrete nanopores I: Tension of polypropylene/ polyethylene copolymer blends. *Journal of Applied Polymer Science*, **2004**, 91, 3642-3650	2.9	13
91	Structure and Rheology of Hydrogen Bond Reinforced Liquid Crystals. *Chemistry of Materials*, **2004**, 16, 3045-3055	9.6	43
90	Coupling Reactions of End- vs Mid-Functional Polymers. *Macromolecules*, **2004**, 37, 2563-2571	5.5	63

89	Effect of Thermodynamic Interactions on Reactions at Polymer/Polymer Interfaces. *Macromolecules*, **2003**, 36, 7212-7219	5.5	51
88	Adhesion between Immiscible Polymers Correlated with Interfacial Entanglements. *Macromolecules*, **2003**, 36, 2808-2815	5.5	81
87	Compatibilized blends of thermoplastic polyurethane (TPU) and polypropylene. *Macromolecular Symposia*, **2003**, 198, 221-232	0.8	31
86	Modeling of coalescence in polymer blends. *AICHE Journal*, **2002**, 48, 7-14	3.6	67
85	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
84	Interfacial crosslinking and diffusion via extensional rheometry. *Polymer Engineering and Science*, **2002**, 42, 1-9	2.3	10
83	Role of Block Copolymers on Suppression of Droplet Coalescence. *Macromolecules*, **2002**, 35, 7845-7855	5.5	163
82	Slip at polymer□polymer interfaces: Rheological measurements on coextruded multilayers. *Journal of Rheology*, **2002**, 46, 145-167	4.1	166
81	Improving polymer blend dispersion in mini-mixers. *Polymer Engineering and Science*, **2001**, 41, 118-130	2.3	96
80	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
79	Block Copolymers in Homopolymer Blends:□Interface vs Micelles. *Macromolecules*, **2001**, 34, 8663-8668	5.5	76
78	Interfacial Energy and Adhesion between Acrylic Pressure Sensitive Adhesives and Release Coatings **2001**, 77, 95-123		12
77	Phase transition and elasticity of protein-based hydrogels. *Journal of Biomaterials Science, Polymer Edition*, **2001**, 12, 229-42	3.5	30
76	Synthesis of end- and mid-Phthalic Anhydride Functional Polymers by Atom Transfer Radical Polymerization. *Macromolecules*, **2001**, 34, 7941-7951	5.5	26
75	Swelling Behavior of □rradiation Cross-Linked Elastomeric Polypentapeptide-Based Hydrogels. *Macromolecules*, **2001**, 34, 4114-4123	5.5	67
74	The Influence of Block Copolymers on Silica-Filled Polyisoprene. *Materials Research Society Symposia Proceedings*, **2000**, 661, KK7.3.1		
73	Anionic synthesis and detection of fluorescence-labeled polymers with a terminal anhydride group. *Journal of Polymer Science Part A*, **2000**, 38, 2177-2185	2.5	16
72	Coalescence in polymer blends during shearing. *AICHE Journal*, **2000**, 46, 229-238	3.6	84

71	Reaction injection molding process of glass fiber reinforced polyurethane composites. *Polymer Engineering and Science*, **2000**, 40, 2205-2216	2.3	15
70	Block Copolymer Based Pressure Sensitive Adhesives Modified with PPO for Increased Service Temperatures **2000**, 73, 65-85		2
69	The Reactive Formation of Diblock Copolymer at a Polymer/Polymer Interface and its Effect on Interfacial Structure. *Materials Research Society Symposia Proceedings*, **2000**, 629, 1		1
68	Adhesion Enhancement Via Crystalline-Embedded Entanglements in Melt-Processed Layered Structures. *Materials Research Society Symposia Proceedings*, **2000**, 629, 1		
67	Coalescence in blends of thermoplastic polyurethane with polyolefins. *Polymer Engineering and Science*, **1999**, 39, 1022-1034	2.3	38
66	Interfacial Reaction Induced Roughening in Polymer Blends. *Macromolecules*, **1999**, 32, 106-110	5.5	93
65	Sol-gel polycondensation kinetic modeling: Methylethoxysilanes. *AICHE Journal*, **1998**, 44, 1141-1156	3.6	50
64	Urea hard segment morphology in flexible polyurethane foam **1998**, 36, 573-581		31
63	Nonlinear shear and extensional rheology of long-chain randomly branched polybutadiene. *Journal of Rheology*, **1998**, 42, 1303-1327	4.1	83
62	Imaging Open-Cell Polyurethane Foam via Confocal Microscopy. *ACS Symposium Series*, **1997**, 165-177	0.4	7
61	Flow-Induced Reactive Self-Assembly. *Macromolecules*, **1997**, 30, 1243-1246	5.5	77
60	Effect of Silicone Surfactant on Air Flow of Flexible Polyurethane Foams. *ACS Symposium Series*, **1997**, 130-142	0.4	3
59	Extensional viscosity from entrance pressure drop measurements. *Rheologica Acta*, **1997**, 36, 144-151	2.3	59
58	Can extensional viscosity be measured with opposed-nozzle devices?. *Rheologica Acta*, **1997**, 36, 429-448	2.3	69
57	Microstructure of triblock copolymers in asphalt oligomers. *Journal of Polymer Science, Part B: Polymer Physics*, **1997**, 35, 2857-2877	2.6	57
56	Copolymerization kinetics of a model siloxane system. *Journal of Polymer Science Part A*, **1997**, 35, 1293-1302	2.3	17
55	Structure development in cyanate ester polymerization. *Polymer International*, **1997**, 44, 237-247	3.3	22
54	Hydrolysis and blistering of cyanate ester networks. *Journal of Applied Polymer Science*, **1997**, 64, 107-112	2.9	36

53	Can extensional viscosity be measured with opposed-nozzle devices? **1997**, 36, 429		4
52	Microstructure of triblock copolymers in asphalt oligomers **1997**, 35, 2857		1
51	Transient extensional viscosity from a rotational shear rheometer using fiber-windup technique. *Journal of Rheology*, **1996**, 40, 473-481	4.1	26
50	Sol-Gel Kinetics for the Preparation of Inorganic/Organic Siloxane Copolymers. *Materials Research Society Symposia Proceedings*, **1996**, 435, 113		5
49	Simultaneous measurement of viscoelastic changes and cell opening during processing of flexible polyurethane foam. *Rheologica Acta*, **1996**, 35, 656-666	2.3	36
48	Influence of normal stress difference on polymer drop deformation. *Polymer Engineering and Science*, **1996**, 36, 1647-1655	2.3	119
47	Milligrams to kilograms: An evaluation of mixers for reactive polymer blending. *Polymer Engineering and Science*, **1995**, 35, 100-114	2.3	65
46	Tandem GC/MS: A useful tool for studying end-capping reactions of oligo(styryl)lithium anions. *Journal of Polymer Science Part A*, **1995**, 33, 1957-1967	2.5	6
45	Kinetics of amine-cyclic anhydride reactions in moderately polar solutions. *Journal of Polymer Science Part A*, **1995**, 33, 2165-2174	2.5	25
44	Transmission electron microscopy of saturated hydrocarbon block copolymers. *Journal of Polymer Science, Part B: Polymer Physics*, **1995**, 33, 247-252	2.6	64
43	Wetting of fiber mats for composites manufacturing: I. Visualization experiments. *AICHE Journal*, **1995**, 41, 2261-2273	3.6	62
42	Wetting of fiber mats for composites manufacturing: II. Air entrapment model. *AICHE Journal*, **1995** , 41, 2274-2281	3.6	34
41	Rheological and Mechanical Properties of Filled Rubber: Silica-Silicone. *Rubber Chemistry and Technology*, **1994**, 67, 820-833	1.7	32
40	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
39	Heat transfer and cure in pultrusion: Model and experimental verification. *AICHE Journal*, **1993**, 39, 1228-1241	3.6	37
38	The recirculating screw mixer: A new small-volume mixer for the polymer laboratory. *Polymer Engineering and Science*, **1993**, 33, 1065-1078	2.3	7
37	Effect of reinforcing fillers on the rheology of polymer melts. *Journal of Rheology*, **1992**, 36, 1165-1182	4.1	230
36	Kinetic model for crosslinking free radical polymerization including diffusion limitations. *Journal of Applied Polymer Science*, **1992**, 44, 1711-1729	2.9	70

35	Thermal, mechanical, and fracture properties of copolyureas formed by reaction injection molding: Effects of hard segment structure. *Journal of Applied Polymer Science*, **1991**, 42, 1023-1039	2.9	8
34	Calculation of average molecular properties during nonlinear, living copolymerization. *Die Makromolekulare Chemie*, **1991**, 192, 377-404		7
33	Monte Carlo description of Af homopolymerization: Diffusional effects. *Journal of Chemical Physics*, **1991**, 95, 2097-2108	3.9	46
32	Reaction Kinetics and Injection Molding of Liquid Silicone Rubber. *Rubber Chemistry and Technology* , **1991**, 64, 218-233	1.7	9
31	Chemorheology relations for epoxy-amine crosslinking. *Journal of Polymer Science, Part B: Polymer Physics*, **1990**, 28, 691-709	2.6	36
30	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
29	Interfacial Interactions in Silica Reinforced Silicones. *Materials Research Society Symposia Proceedings*, **1989**, 170, 303		5
28	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
27	Phase separation during fast (RIM) poly-urethane polymerization. *Makromolekulare Chemie Macromolecular Symposia*, **1989**, 25, 23-44		15
26	Microdispersive interfacial mixing in fast polymerizations. *AICHE Journal*, **1988**, 34, 1057-1064	3.6	18
25	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
24	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
23	Kinetics of isocyanate amine reactions. *Journal of Applied Polymer Science*, **1987**, 34, 2409-2432	2.9	33
22	Rheological changes during crosslinking. *British Polymer Journal*, **1985**, 17, 239-245		55
21	Polymerization of dicyclopentadiene: A new reaction injection molding system. *Journal of Applied Polymer Science*, **1985**, 30, 2787-2803	2.9	35
20	Rheometers for molten plastics: A practical guide to testing and property measurement, John M. Dealy, Van Nostrand, 1982, 272 Pages, $37.00. *AICHE Journal*, **1985**, 31, 346-346	3.6	
19	Heat Transfer and Property Development in Liquid Silicone Rubber Molding. *Rubber Chemistry and Technology*, **1985**, 58, 436-448	1.7	6
18	Viscosity Rise during Free Radical Crosslinking Polymerization with Inhibition. *Journal of Rheology*, **1985**, 29, 259-272	4.1	39

17	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
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