

# Savvas G Hatzikiriakos

## List of Publications by Year in descending order

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260  
papers

9,749  
citations

36203

51  
h-index

54797

84  
g-index

265  
all docs

265  
docs citations

265  
times ranked

7194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterned Superhydrophobic Metallic Surfaces. <i>Langmuir</i> , 2009, 25, 4821-4827.	1.6	677
2	Wall slip of molten high density polyethylenes. II. Capillary rheometer studies. <i>Journal of Rheology</i> , 1992, 36, 703-741.	1.3	364
3	Rheology of Nanocrystalline Cellulose Aqueous Suspensions. <i>Langmuir</i> , 2012, 28, 17124-17133.	1.6	287
4	Wall slip of molten polymers. <i>Progress in Polymer Science</i> , 2012, 37, 624-643.	11.8	263
5	Synthesis, Characterization, and Viscoelastic Properties of High Molecular Weight Hyperbranched Polyglycerols. <i>Macromolecules</i> , 2006, 39, 7708-7717.	2.2	233
6	Role of slip and fracture in the oscillating flow of HDPE in a capillary. <i>Journal of Rheology</i> , 1992, 36, 845-884.	1.3	195
7	Ionic strength effects on the microstructure and shear rheology of cellulose nanocrystal suspensions. <i>Cellulose</i> , 2014, 21, 3347-3359.	2.4	182
8	Femtosecond laser irradiation of metallic surfaces: effects of laser parameters on superhydrophobicity. <i>Nanotechnology</i> , 2013, 24, 415302.	1.3	175
9	Physics of ice friction. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	154
10	Laser-Patterned Super-Hydrophobic Pure Metallic Substrates: Cassie to Wenzel Wetting Transitions. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 2789-2809.	1.4	148
11	Long chain branching and polydispersity effects on the rheological properties of polyethylenes. <i>Polymer Engineering and Science</i> , 2000, 40, 2279-2287.	1.5	138
12	Influence of degree of sulfation on the rheology of cellulose nanocrystal suspensions. <i>Rheologica Acta</i> , 2013, 52, 741-751.	1.1	136
13	Rheology of pulp fibre suspensions: A critical review. <i>Chemical Engineering Science</i> , 2011, 66, 3460-3470.	1.9	121
14	Effect of maleic anhydride content on the rheology and phase behavior of poly(styrene-co-maleic) Tj ETQq0 0 0 rgBT /Overlap 10 Tf	1.1	115
15	Hydrothermal Gelation of Aqueous Cellulose Nanocrystal Suspensions. <i>Biomacromolecules</i> , 2016, 17, 2747-2754.	2.6	104
16	Slip mechanisms in complex fluid flows. <i>Soft Matter</i> , 2015, 11, 7851-7856.	1.2	100
17	Effect of Extreme Wettability on Platelet Adhesion on Metallic Implants: From Superhydrophilicity to Superhydrophobicity. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17631-17641.	4.0	91
18	PLA- <i>b</i> -PHB- <i>b</i> -PLA Triblock Copolymers: Synthesis by Sequential Addition and Investigation of Mechanical and Rheological Properties. <i>Macromolecules</i> , 2013, 46, 3965-3974.	2.2	86

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19	Ice friction: The effects of surface roughness, structure, and hydrophobicity. Journal of Applied Physics, 2009, 106, .	1.1	84
20	The work of adhesion of polymer/wall interfaces and its association with the onset of wall slip. Journal of Rheology, 1998, 42, 795-812.	1.3	82
21	Interfacial phenomena in the capillary extrusion of metallocene polyethylenes. Journal of Rheology, 1997, 41, 1299-1316.	1.3	81
22	Role of processing aids in the extrusion of molten polymers. Journal of Vinyl and Additive Technology, 2002, 8, 7-24.	1.8	80
23	Wall slip in the capillary flow of molten polymers subject to viscous heating. AIChE Journal, 1997, 43, 598-608.	1.8	78
24	Effects of Interfacial Conditions on Wall Slip and Sharkskin Melt Fracture of HDPE. International Polymer Processing, 1993, 8, 36-43.	0.3	77
25	Influence of molecular structure on the rheological and processing behavior of polyethylene resins. Polymer Engineering and Science, 1999, 39, 804-815.	1.5	71
26	Microfabrication of polymeric surfaces with extreme wettability using hot embossing. Applied Surface Science, 2016, 378, 426-434.	3.1	71
27	Wall slip and melt fracture of poly(lactides). Rheologica Acta, 2012, 51, 357-369.	1.1	69
28	Antifouling Biomimetic Liquid-Infused Stainless Steel: Application to Dairy Industrial Processing. ACS Applied Materials & Interfaces, 2017, 9, 26565-26573.	4.0	68
29	A Slip Model for Linear Polymers Based on Adhesive Failure. International Polymer Processing, 1993, 8, 135-142.	0.3	67
30	Solution and melt viscoelastic properties of controlled microstructure poly(lactide). Journal of Rheology, 2011, 55, 987-1005.	1.3	67
31	Rheology of Ziegler-Natta and metallocene high-density polyethylenes: broad molecular weight distribution effects. Rheologica Acta, 2011, 50, 17-27.	1.1	67
32	Boron nitride as a processing aid for the extrusion of polyolefins and fluoropolymers. Polymer Engineering and Science, 2000, 40, 179-190.	1.5	66
33	The relationship between global warming and methane gas hydrates in the earth. Chemical Engineering Science, 1993, 48, 3963-3969.	1.9	63
34	Viscoelastic properties and constitutive modelling of bitumen. Fuel, 2013, 108, 391-399.	3.4	63
35	The effect of teflon coatings in polyethylene capillary extrusion. Journal of Applied Polymer Science, 1995, 55, 595-603.	1.3	62
36	Bagley correction: the effect of contraction angle and its prediction. Rheologica Acta, 2003, 42, 309-320.	1.1	61

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37	Thermorheological properties of LLDPE/LDPE blends. <i>Rheologica Acta</i> , 2008, 47, 19-31.	1.1	59
38	Titanium pyridonates and amidates: novel catalysts for the synthesis of random copolymers. <i>Chemical Communications</i> , 2013, 49, 57-59.	2.2	59
39	Paste extrusion of polytetrafluoroethylene (PTFE): Surface tension and viscosity effects. <i>Powder Technology</i> , 2005, 153, 108-118.	2.1	58
40	Rheology of bitumen: Effects of temperature, pressure, CO <sub>2</sub> concentration and shear rate. <i>Fuel</i> , 2014, 116, 578-587.	3.4	57
41	Freeze-Thaw Gelation of Cellulose Nanocrystals. <i>ACS Macro Letters</i> , 2019, 8, 486-491.	2.3	57
42	Superhydrophobic laser ablated PTFE substrates. <i>Applied Surface Science</i> , 2015, 349, 715-723.	3.1	56
43	CO <sub>2</sub> -Switchable Cellulose Nanocrystal Hydrogels. <i>Chemistry of Materials</i> , 2018, 30, 376-385.	3.2	56
44	Start-up pressure transients in a capillary rheometer. <i>Polymer Engineering and Science</i> , 1994, 34, 493-499.	1.5	55
45	Properties of polytetrafluoroethylene (PTFE) paste extrudates. <i>Polymer Engineering and Science</i> , 2002, 42, 1247-1259.	1.5	55
46	Thermorheological properties of poly( $\epsilon$ -caprolactone)/polylactide blends. <i>Polymer Engineering and Science</i> , 2012, 52, 2348-2359.	1.5	55
47	The effect of slip in the flow of a branched PP melt: experiments and simulations. <i>Rheologica Acta</i> , 2005, 44, 418-426.	1.1	54
48	Effect of Surface Coatings on Wall Slip of LLDPE. <i>International Polymer Processing</i> , 1993, 8, 30-35.	0.3	53
49	Extrude distortion in the capillary/slit extrusion of a molten polypropylene. <i>Polymer Engineering and Science</i> , 1995, 35, 1864-1871.	1.5	53
50	The rheological and physical properties of linear and branched polypropylene blends. <i>Polymer Engineering and Science</i> , 2007, 47, 1133-1140.	1.5	53
51	The Role of Nitrogen Donors in Zinc Catalysts for Lactide Ring-Opening Polymerization. <i>Inorganic Chemistry</i> , 2016, 55, 9445-9453.	1.9	53
52	The effect of surface energy of boron nitride on polymer processability. <i>Polymer Engineering and Science</i> , 2004, 44, 1543-1550.	1.5	52
53	The apparent yield stress of pulp fiber suspensions. <i>Journal of Rheology</i> , 2010, 54, 1137-1154.	1.3	52
54	A Comparison of the Rheological and Mechanical Properties of Isotactic, Syndiotactic, and Heterotactic Poly(lactide). <i>Macromolecules</i> , 2016, 49, 909-919.	2.2	52

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55	The effect of boron nitride on the rheology and processing of polyolefins. <i>Rheologica Acta</i> , 2000, 39, 583-594.	1.1	50
56	RADIO FREQUENCY VACUUM DRYING OF WOOD. I. MATHEMATICAL MODEL. <i>Drying Technology</i> , 2001, 19, 65-84.	1.7	50
57	Ageing, yielding, and rheology of nanocrystalline cellulose suspensions. <i>Journal of Rheology</i> , 2013, 57, 131-148.	1.3	50
58	Adsorptive removal of Congo red by surfactant modified cellulose nanocrystals: a kinetic, equilibrium, and mechanistic investigation. <i>Cellulose</i> , 2020, 27, 3211-3232.	2.4	50
59	Rheology of mozzarella cheese. <i>International Dairy Journal</i> , 2007, 17, 1063-1072.	1.5	49
60	Flow Implications in the Processing of Tetrafluoroethylene/Hexafluoropropylene Copolymers. <i>International Polymer Processing</i> , 1995, 10, 204-212.	0.3	47
61	Paste Extrusion of Polytetrafluoroethylene (PTFE) Fine Powder Resins. <i>Canadian Journal of Chemical Engineering</i> , 2002, 80, 1153-1165.	0.9	47
62	Diffusivity of CO <sub>2</sub> in Bitumen: Pressure-Dependent Decay Measurements Coupled with Rheometry. <i>Energy &amp; Fuels</i> , 2014, 28, 1304-1311.	2.5	47
63	An active particle in a complex fluid. <i>Journal of Fluid Mechanics</i> , 2017, 823, 675-688.	1.4	47
64	Sensitivity analysis of the Bagley correction to shear and extensional rheology. <i>Rheologica Acta</i> , 1998, 37, 438-448.	1.1	46
65	Shear-induced mixing and demixing in poly(styrene-co-maleic anhydride)/poly(methyl methacrylate) blends. <i>Journal of Rheology</i> , 1998, 42, 1227-1247.	1.3	46
66	Contact Angle Hysteresis of Non-Flattened-Top Micro/Nanostructures. <i>Langmuir</i> , 2014, 30, 3274-3284.	1.6	46
67	Air- and Moisture-Stable Indium Salan Catalysts for Living Multiblock PLA Formation in Air. <i>ACS Catalysis</i> , 2017, 7, 6413-6418.	5.5	46
68	Rheological characterization of CNC-CTAB network below and above critical micelle concentration (CMC). <i>Carbohydrate Polymers</i> , 2021, 257, 117552.	5.1	45
69	Capillary flow of low-density polyethylene. <i>Polymer Engineering and Science</i> , 2012, 52, 649-662.	1.5	44
70	Preforming behavior of polytetrafluoroethylene paste. <i>Powder Technology</i> , 2001, 121, 249-258.	2.1	43
71	Thixotropic flow of toothpaste through extrusion dies. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 1262-1271.	1.0	43
72	Viscoelastic behaviour and flow instabilities of biodegradable poly( $\epsilon$ -caprolactone) polyesters. <i>Rheologica Acta</i> , 2012, 51, 179-192.	1.1	43

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73	Wall slip of HDPEs: Molecular weight and molecular weight distribution effects. <i>Journal of Rheology</i> , 2013, 57, 927-948.	1.3	43
74	Rheology of pulp suspensions using ultrasonic Doppler velocimetry. <i>Rheologica Acta</i> , 2010, 49, 1127-1140.	1.1	42
75	A dynamic slip velocity model for molten polymers based on a network kinetic theory. <i>Rheologica Acta</i> , 1994, 33, 38-47.	1.1	41
76	Rheological characterization and constitutive modeling of bread dough. <i>Rheologica Acta</i> , 2008, 47, 369-381.	1.1	41
77	Steady flow simulations of compressible PTFE paste extrusion under severe wall slip. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 157, 26-33.	1.0	41
78	Thermorheological and mechanical behavior of polylactide and its enantiomeric diblock copolymers and blends. <i>Polymer</i> , 2012, 53, 2443-2452.	1.8	41
79	Highly Active Chiral Zinc Catalysts for Immortal Polymerization of $\epsilon$ -Butyrolactone Form Melt Processable Syndio-Rich Poly(hydroxybutyrate). <i>Macromolecules</i> , 2016, 49, 8812-8824.	2.2	41
80	RADIO FREQUENCY VACUUM DRYING OF WOOD. II. EXPERIMENTAL MODEL EVALUATION. <i>Drying Technology</i> , 2001, 19, 85-98.	1.7	40
81	Constitutive modeling and flow simulation of polytetrafluoroethylene (PTFE) paste extrusion. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 139, 44-53.	1.0	40
82	Thixotropy, yielding and ultrasonic Doppler velocimetry in pulp fibre suspensions. <i>Rheologica Acta</i> , 2012, 51, 201-214.	1.1	40
83	Extrudate swell of a high-density polyethylene melt: II. Modeling using integral and differential constitutive equations. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 225, 94-105.	1.0	40
84	The onset of wall slip and sharkskin melt fracture in capillary flow. <i>Polymer Engineering and Science</i> , 1994, 34, 1441-1449.	1.5	39
85	Mechanism of gross melt fracture elimination in the extrusion of polyethylenes in the presence of boron nitride. <i>Rheologica Acta</i> , 2004, 43, 624-633.	1.1	38
86	The effect of nanoclays on the processibility of polyolefins. <i>Polymer Engineering and Science</i> , 2005, 45, 1098-1107.	1.5	38
87	A stimulus-responsive, in situ-forming, nanoparticle-laden hydrogel for ocular drug delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 484-495.	3.0	35
88	Photoactivated Healable Vitrimeric Copolymers. <i>Macromolecules</i> , 2019, 52, 36-42.	2.2	34
89	Yield stress and wall slip of kaolinite networks. <i>Physics of Fluids</i> , 2021, 33, .	1.6	34
90	Fractal analysis of the sharkskin phenomenon in polymer melt extrusion. <i>Journal of Rheology</i> , 1993, 37, 355-366.	1.3	33

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91	Effects of molecular structure on the rheology and processability of blow-molding high-density polyethylene resins. <i>Advances in Polymer Technology</i> , 2001, 20, 1-13.	0.8	33
92	Fingerprinting the processing behavior of polyethylenes from transient extensional flow and peel experiments in the melt state. <i>Rheologica Acta</i> , 2004, 44, 1-15.	1.1	32
93	Thermorheological properties of LLDPE/LDPE blends: Effects of production technology of LLDPE. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1669-1683.	2.4	32
94	Effect of Ionic Surfactants on the Viscoelastic Properties of Chiral Nematic Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2020, 36, 293-301.	1.6	32
95	Excess pressure losses in the capillary flow of molten polymers. <i>Rheologica Acta</i> , 1996, 35, 545-555.	1.1	31
96	Polytetrafluoroethylene paste preforming: viscosity and surface tension effects. <i>Powder Technology</i> , 2004, 146, 73-83.	2.1	31
97	Flow-induced crystallization of high-density polyethylene: the effects of shear and uniaxial extension. <i>Rheologica Acta</i> , 2012, 51, 315-327.	1.1	31
98	Synthesis and Thermorheological Analysis of Biobased Lignin- <i>graft</i> -poly(lactide) Copolymers and Their Blends. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1650-1661.	3.2	31
99	Nonlinear rheological response of phase separating polymer blends: Poly(styrene-co-maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.3	30
100	Contact angle hysteresis: surface morphology effects. <i>Colloid and Polymer Science</i> , 2013, 291, 317-328.	1.0	30
101	Dynamic slip of polydisperse linear polymers using partitioned plate. <i>Physics of Fluids</i> , 2018, 30, .	1.6	29
102	Gross melt fracture elimination: The role of surface energy of boron nitride powders. <i>Polymer Engineering and Science</i> , 2002, 42, 743-752.	1.5	28
103	Rheology of metallocene polyethylene-based nanocomposites: Influence of graft modification. <i>Journal of Rheology</i> , 2006, 50, 415-434.	1.3	28
104	Extrudate swell of HDPE melts: I. Experimental. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 225, 86-93.	1.0	28
105	Toward Biodegradable Electronics: Ionic Diodes Based on a Cellulose Nanocrystal-agarose Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52182-52191.	4.0	28
106	Rheological evaluation of kinetic hydrate inhibitors in NaCl/heptane solutions. <i>AIChE Journal</i> , 2014, 60, 2654-2659.	1.8	27
107	The yielding of attractive gels of nanocrystal cellulose (CNC). <i>Journal of Rheology</i> , 2021, 65, 855-869.	1.3	27
108	Apparent slip in colloidal suspensions. <i>Journal of Rheology</i> , 2022, 66, 79-90.	1.3	27

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109	A generalized Giesekus constitutive model with retardation time and its association to the spurt effect. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1995, 57, 119-136.	1.0	26
110	Slip effects in tapered dies. <i>Polymer Engineering and Science</i> , 2009, 49, 1960-1969.	1.5	26
111	Superhydrophobic Lignocellulosic Wood Fiber/Mineral Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9057-9066.	4.0	26
112	Effects of processing variables on polypropylene degradation and long chain branching with UV irradiation. <i>Polymer Degradation and Stability</i> , 2014, 104, 1-10.	2.7	26
113	Wall slip of polydisperse linear polymers using double reptation. <i>Journal of Rheology</i> , 2015, 59, 885-901.	1.3	26
114	Stability of the annular Poiseuille flow of a Newtonian liquid with slip along the walls. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 159, 1-9.	1.0	25
115	Relaxation effects of slip in shear flow of linear molten polymers. <i>Rheologica Acta</i> , 2010, 49, 267-274.	1.1	25
116	Non-isothermal extrudate swell. <i>Physics of Fluids</i> , 2016, 28, .	1.6	25
117	Influence of stainless steel surface properties on whey protein fouling under industrial processing conditions. <i>Journal of Food Engineering</i> , 2018, 228, 38-49.	2.7	25
118	Yielding of cellulose nanocrystal suspensions in the presence of electrolytes. <i>Physics of Fluids</i> , 2020, 32, .	1.6	25
119	Brownian dynamics simulations of shear-thickening in dilute polymer solutions. <i>Rheologica Acta</i> , 1996, 35, 274-287.	1.1	24
120	Rheological characterization of polyethylene terephthalate resins using a multimode Phan-Tien-Tanner constitutive relation. <i>Rheologica Acta</i> , 1997, 36, 568-578.	1.1	24
121	Relaxation time spectra of star polymers. <i>Rheologica Acta</i> , 2000, 39, 38-43.	1.1	24
122	Fabrication of Micro/Nano Patterns on Polymeric Substrates Using Laser Ablation Methods to Control Wettability Behaviour: A Critical Review. <i>Reviews of Adhesion and Adhesives</i> , 2017, 5, 55-78.	3.3	24
123	Quiescent and shear-induced crystallization of polypropylenes. <i>Rheologica Acta</i> , 2014, 53, 519-535.	1.1	23
124	Binary Blends of Entangled Star and Linear Poly(hydroxybutyrate): Effect of Constraint Release and Dynamic Tube Dilation. <i>Macromolecules</i> , 2017, 50, 2535-2546.	2.2	23
125	Autophoretic locomotion in weakly viscoelastic fluids at finite Péclet number. <i>Physics of Fluids</i> , 2017, 29, .	1.6	23
126	Nonlinear rheology of poly(ethylene-co-methacrylic acid) ionomers. <i>Journal of Rheology</i> , 2018, 62, 1319-1329.	1.3	23



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127	An irreversible thermodynamics model for unsteady-state nonisothermal moisture diffusion in wood. <i>Wood Science and Technology</i> , 1994, 28, 349.	1.4	22
128	Rolling of bread dough: Experiments and simulations. <i>Food and Bioproducts Processing</i> , 2009, 87, 124-138.	1.8	22
129	Capillary Extrusion and Swell of a HDPE Melt Exhibiting Slip. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	22
130	Surface fractionation effects on slip of polydisperse polymer melts. <i>Physics of Fluids</i> , 2016, 28, 093101.	1.6	22
131	Catalytic Synthesis of Secondary Amine-Containing Polymers: Variable Hydrogen Bonding for Tunable Rheological Properties. <i>Macromolecules</i> , 2016, 49, 4423-4430.	2.2	22
132	Hydrodynamics of gas-agitated liquid-liquid dispersions. <i>AIChE Journal</i> , 1990, 36, 677-684.	1.8	21
133	A multimode interfacial constitutive equation for molten polymers. <i>Journal of Rheology</i> , 1995, 39, 61-71.	1.3	21
134	Modeling the shear-induced structural changes in polymeric fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 82, 367-385.	1.0	21
135	Processability of LLDPE/LDPE blends: Capillary extrusion studies. <i>Polymer Engineering and Science</i> , 2007, 47, 1317-1326.	1.5	21
136	Sharkskin and oscillating melt fracture: Why in slit and capillary dies and not in annular dies?. <i>Polymer Engineering and Science</i> , 2008, 48, 405-414.	1.5	21
137	Rheology of mozzarella cheese: Extrusion and rolling. <i>International Dairy Journal</i> , 2008, 18, 615-623.	1.5	21
138	The ice friction of polymeric substrates. <i>Tribology International</i> , 2012, 55, 59-67.	3.0	21
139	Slip of polymer melts over micro/nano-patterned metallic surfaces. <i>Soft Matter</i> , 2016, 12, 9759-9768.	1.2	21
140	Ice friction: the effect of thermal conductivity. <i>Journal of Glaciology</i> , 2010, 56, 473-479.	1.1	20
141	Rheology of thermoplastic vulcanizates (TPVs). <i>Journal of Rheology</i> , 2020, 64, 1325-1341.	1.3	20
142	Crystallization of an ethylene-based butene plastomer: the effect of uniaxial extension. <i>Rheologica Acta</i> , 2010, 49, 931-939.	1.1	19
143	Synthesis and Rheological Characterization of Star-Shaped and Linear Poly(hydroxybutyrate). <i>Macromolecules</i> , 2015, 48, 6672-6681.	2.2	19
144	Molecular dynamics simulations of monodisperse/bidisperse polymer melt crystallization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2318-2326.	2.4	19

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145	The effect of damping function on extrudate swell. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 236, 73-82.	1.0	19
146	Contraction flow of ionomers and their corresponding copolymers: Ionic and hydrogen bonding effects. <i>Physics of Fluids</i> , 2019, 31, .	1.6	19
147	On numerical Simulations of Polymer Extrusion Instabilities. <i>Applied Rheology</i> , 2002, 12, 88-104.	3.5	18
148	Appropriate Boundary Conditions in the Flow of Molten Polymers. <i>International Polymer Processing</i> , 2010, 25, 55-62.	0.3	18
149	Carbopol as a model fluid for studying mixing of pulp fibre suspensions. <i>Chemical Engineering Science</i> , 2010, 65, 1288-1295.	1.9	18
150	Capillary flow of milk chocolate. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 210, 56-65.	1.0	18
151	Slip effects in HDPE flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 167-168, 18-18.	1.0	17
152	Chemical, physical and morphological properties of bacterial biofilms affect survival of encased <i>Campylobacter jejuni</i> F38011 under aerobic stress. <i>International Journal of Food Microbiology</i> , 2016, 238, 172-182.	2.1	17
153	Melt Fracture of Linear PE. <i>International Polymer Processing</i> , 2005, 20, 60-67.	0.3	16
154	Viscoelastic flow simulation of polytetrafluoroethylene (PTFE) paste extrusion. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 153, 25-33.	1.0	16
155	Rheological characterization of well-defined tetrafluoroethylene/hexafluoropropylene copolymers. <i>Rheologica Acta</i> , 1998, 37, 279-288.	1.1	15
156	Melt fracture of HDPEs: Metallocene versus Ziegler-Natta and broad MWD effects. <i>Polymer</i> , 2012, 53, 4195-4201.	1.8	15
157	Flow behaviour of rubber in capillary and injection moulding dies. <i>Plastics, Rubber and Composites</i> , 2017, 46, 110-118.	0.9	15
158	Molecular simulations of the piezoionic effect. <i>Soft Matter</i> , 2018, 14, 6222-6229.	1.2	15
159	The rectification mechanism in polyelectrolyte gel diodes. <i>Physics of Fluids</i> , 2021, 33, .	1.6	15
160	Extrudate Swell of High Density Polyethylenes in Slit (Flat) Dies. <i>International Polymer Processing</i> , 2016, 31, 262-272.	0.3	14
161	Dynamics of partially miscible polylactide-poly( $\mu$ -caprolactone) blends in the presence of cold crystallization. <i>Rheologica Acta</i> , 2016, 55, 657-671.	1.1	14
162	One-Pot Synthesis of Oxygenated Block Copolymers by Polymerization of Epoxides and Lactide Using Cationic Indium Complexes. <i>Macromolecules</i> , 2020, 53, 8819-8828.	2.2	14

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163	A mechanism for extrusion instabilities in polymer melts. <i>Polymer Engineering and Science</i> , 1999, 39, 2498-2504.	1.5	13
164	A new processing aid for the extrusion of polyolefins. <i>Journal of Vinyl and Additive Technology</i> , 2000, 6, 113-118.	1.8	13
165	Radio Frequency Vacuum Drying of Wood. III. Two-Dimensional Model, Optimization, and Validation. <i>Drying Technology</i> , 2003, 21, 1399-1410.	1.7	13
166	Paste Extrusion of Polytetrafluoroethylene: Temperature, Blending and Processing Aid Effects. <i>International Polymer Processing</i> , 2006, 21, 497-503.	0.3	13
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