

# 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	Apparent slip in colloidal suspensions. <i>Journal of Rheology</i> , 2022, 66, 79-90.	1.3	27
2	Photo-oxidative cross-linking of thiol polydimethylsiloxane co-polymers <i>via</i> disulfide formation. <i>Polymer Chemistry</i> , 2022, 13, 395-401.	1.9	2
3	Biochar as a sustainable and renewable additive for the production of Poly( $\mu$ -caprolactone) composites. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100586.	1.6	7
4	Kaolinite colloidal suspensions under the influence of sodium dodecyl sulfate. <i>Physics of Fluids</i> , 2022, 34, .	1.6	11
5	Flow-induced crystallization of polylactides. <i>Journal of Rheology</i> , 2022, 66, 257-273.	1.3	4
6	High-concentrated zirconia suspensions stabilized by cellulose nanocrystals. <i>Ceramics International</i> , 2022, 48, 19694-19702.	2.3	2
7	Rheology of mature fine tailings. <i>Physics of Fluids</i> , 2022, 34, .	1.6	10
8	Calendering of thermoplastics: models and computations. <i>International Polymer Processing</i> , 2022, 37, 341-356.	0.3	2
9	Melt fracture and wall slip of thermoplastic vulcanizates. <i>Polymer Engineering and Science</i> , 2021, 61, 942-958.	1.5	7
10	Rheological Properties Related to Extrusion of Polyolefins. <i>Polymers</i> , 2021, 13, 489.	2.0	10
11	The rectification mechanism in polyelectrolyte gel diodes. <i>Physics of Fluids</i> , 2021, 33, .	1.6	15
12	Opaque and translucent films from aqueous microfiber suspensions by evaporative self-assembly. <i>Physics of Fluids</i> , 2021, 33, 032012.	1.6	2
13	Cellulosic wood fibreâ€œdual functional ( <i>Janus</i> ) mineral filler networks. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 2398-2404.	0.9	1
14	Rheological characterization of CNC-CTAB network below and above critical micelle concentration (CMC). <i>Carbohydrate Polymers</i> , 2021, 257, 117552.	5.1	45
15	Catalytic Amine Functionalization and Polymerization of Cyclic Alkenes Creates Adhesive and Self-Healing Materials. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2330-2335.	2.0	13
16	Cationic and anionic cellulose nanocrystalline (CNC) hydrogels: A rheological study. <i>Physics of Fluids</i> , 2021, 33, .	1.6	7
17	Yield stress and wall slip of kaolinite networks. <i>Physics of Fluids</i> , 2021, 33, .	1.6	34
18	Photocross-Linked Antimicrobial Amino-Siloxane Elastomers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22195-22203.	4.0	8

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19	J.G. Oldroyd's early ideas leading to the modern understanding of wall slip. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 293, 104566.	1.0	11
20	Rheological modeling of thermoplastic vulcanizates (TPVs) using the Kaye–Bernstein, Kearsley, Zapas (K–BKZ) constitutive law. <i>Physics of Fluids</i> , 2021, 33, 083107.	1.6	4
21	The yielding of attractive gels of nanocrystal cellulose (CNC). <i>Journal of Rheology</i> , 2021, 65, 855-869.	1.3	27
22	Parameter identification of transport PDE/nonlinear ODE cascade model for polymer extrusion with varying die gap. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1158-1176.	0.9	2
23	Synergistic ionic interactions in EMAA ionomer blends: A rheological and mechanical property investigation. <i>Journal of Rheology</i> , 2021, 65, 1373-1389.	1.3	4
24	Poisson–Boltzmann modeling and molecular dynamics simulations of polyelectrolyte gel diodes in the static regime. <i>Soft Matter</i> , 2020, 16, 1091-1101.	1.2	7
25	Effect of Ionic Surfactants on the Viscoelastic Properties of Chiral Nematic Cellulose Nanocrystal Suspensions. <i>Langmuir</i> , 2020, 36, 293-301.	1.6	32
26	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
27	Yielding of cellulose nanocrystal suspensions in the presence of electrolytes. <i>Physics of Fluids</i> , 2020, 32, .	1.6	25
28	Rheology of thermoplastic vulcanizates (TPVs). <i>Journal of Rheology</i> , 2020, 64, 1325-1341.	1.3	20
29	Entry pressure correlations in capillary flow. <i>Physics of Fluids</i> , 2020, 32, .	1.6	6
30	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
31	Flow-induced fractionation effects on slip of polydisperse polymer melts. <i>Physics of Fluids</i> , 2020, 32, 073109.	1.6	7
32	Visible-Light-Sensitized Photo-Oxidative Cross-Linking of Polysiloxanes Using Singlet Oxygen. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4802-4808.	2.0	7
33	Rheology and processing of polytetrafluoroethylene (PTFE) paste. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1852-1865.	0.9	12
34	Capillary flow of sodium and zinc ionomers. <i>Physics of Fluids</i> , 2020, 32, .	1.6	8
35	Dynamic Cross-Linking of Catalytically Synthesized Poly(Aminonorbornenes). <i>Macromolecules</i> , 2020, 53, 2649-2661.	2.2	13
36	Rheology of sodium and zinc ionomers: Effects of neutralization and valency. <i>Physics of Fluids</i> , 2020, 32, .	1.6	12

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37	Thermorheological properties of asphalt binders. Canadian Journal of Chemical Engineering, 2020, 98, 1803-1814.	0.9	9
38	Adsorptive removal of Congo red by surfactant modified cellulose nanocrystals: a kinetic, equilibrium, and mechanistic investigation. Cellulose, 2020, 27, 3211-3232.	2.4	50
39	Freeze-Thaw Gelation of Cellulose Nanocrystals. ACS Macro Letters, 2019, 8, 486-491.	2.3	57
40	Contraction flow of ionomers and their corresponding copolymers: Ionic and hydrogen bonding effects. Physics of Fluids, 2019, 31, .	1.6	19
41	Rheology and diffusivity of bitumen with liquid and supercritical CO <sub>2</sub> . Fuel, 2019, 244, 431-438.	3.4	11
42	Photoactivated Healable Vitrimeric Copolymers. Macromolecules, 2019, 52, 36-42.	2.2	34
43	A stimulus-responsive, in situ-forming, nanoparticle-laden hydrogel for ocular drug delivery. Drug Delivery and Translational Research, 2018, 8, 484-495.	3.0	35
44	The role of microstructure on melt fracture of linear low density polyethylenes. Polymer Testing, 2018, 67, 266-274.	2.3	7
45	Contraction flow of ionomers. Journal of Non-Newtonian Fluid Mechanics, 2018, 262, 131-141.	1.0	9
46	Designing Stainless Steel Surfaces with Anti-Pitting Properties Applying Laser Ablation and Organofluorine Coatings. Advanced Engineering Materials, 2018, 20, 1700814.	1.6	12
47	Dynamic slip of polydisperse linear polymers using partitioned plate. Physics of Fluids, 2018, 30, .	1.6	29
48	Synthesis and Thermorheological Analysis of Biobased Lignin-graft-poly(lactide) Copolymers and Their Blends. ACS Sustainable Chemistry and Engineering, 2018, 6, 1650-1661.	3.2	31
49	CO <sub>2</sub> -Switchable Cellulose Nanocrystal Hydrogels. Chemistry of Materials, 2018, 30, 376-385.	3.2	56
50	Influence of stainless steel surface properties on whey protein fouling under industrial processing conditions. Journal of Food Engineering, 2018, 228, 38-49.	2.7	25
51	The sol-gel transition of ultra-low solid content TEMPO-cellulose nanofibril/mixed-linkage $\beta$ -glucan bionanocomposite gels. Soft Matter, 2018, 14, 9393-9401.	1.2	12
52	Modeling polymer extrusion with varying die gap using Arbitrary Lagrangian Eulerian (ALE) method. Physics of Fluids, 2018, 30, 093103.	1.6	7
53	Nonlinear rheology of poly(ethylene-co-methacrylic acid) ionomers. Journal of Rheology, 2018, 62, 1319-1329.	1.3	23
54	Melt fracture of linear low-density polyethylenes: Die geometry and molecular weight characteristics. Physics of Fluids, 2018, 30, .	1.6	10

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55	Molecular simulations of the piezoionic effect. <i>Soft Matter</i> , 2018, 14, 6222-6229.	1.2	15
56	Microstructure characterization of polyethylene using thermo-rheological methods. <i>Polymer Testing</i> , 2017, 60, 68-77.	2.3	12
57	Melt fracture of polyisobutylenes. <i>Polymer Testing</i> , 2017, 60, 30-38.	2.3	5
58	The extrudate swell of HDPE: Rheological effects. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	5
59	Flow behaviour of rubber in capillary and injection moulding dies. <i>Plastics, Rubber and Composites</i> , 2017, 46, 110-118.	0.9	15
60	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
61	Wall slip of polyisobutylenes: effect of molecular characteristics. <i>Rheologica Acta</i> , 2017, 56, 85-94.	1.1	7
62	Aromatic interactions in aryl-capped polylactides: A thermorheological investigation. <i>Journal of Rheology</i> , 2017, 61, 1137-1148.	1.3	5
63	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
64	Antifouling Biomimetic Liquid-Infused Stainless Steel: Application to Dairy Industrial Processing. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26565-26573.	4.0	68
65	Autophoretic locomotion in weakly viscoelastic fluids at finite Péclet number. <i>Physics of Fluids</i> , 2017, 29, .	1.6	23
66	An active particle in a complex fluid. <i>Journal of Fluid Mechanics</i> , 2017, 823, 675-688.	1.4	47
67	Role of PTFE paste fibrillation on Poisson's ratio. <i>Polymer Testing</i> , 2017, 61, 65-73.	2.3	10
68	On the molecular weight dependence of slip velocity of polymer melts. <i>Journal of Rheology</i> , 2017, 61, 731-739.	1.3	5
69	Transient Swell of a High Density Polyethylene Using Adjustable Gap Slit Die. <i>International Polymer Processing</i> , 2017, 32, 574-581.	0.3	2
70	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
71	Non-isothermal extrudate swell. <i>Physics of Fluids</i> , 2016, 28, .	1.6	25
72	Surface fractionation effects on slip of polydisperse polymer melts. <i>Physics of Fluids</i> , 2016, 28, 093101.	1.6	22

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73	Microfabrication of polymeric surfaces with extreme wettability using hot embossing. Applied Surface Science, 2016, 378, 426-434.	3.1	71
74	Enhanced Barrier Performance of Engineered Paper by Atomic Layer Deposited Al <sub>2</sub> O <sub>3</sub> Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 13590-13600.	4.0	13
75	Extrudate Swell of High Density Polyethylenes in Slit (Flat) Dies. International Polymer Processing, 2016, 31, 262-272.	0.3	14
76	Hydrothermal Gelation of Aqueous Cellulose Nanocrystal Suspensions. Biomacromolecules, 2016, 17, 2747-2754.	2.6	104
77	Molecular dynamics simulations of monodisperse/bidisperse polymer melt crystallization. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2318-2326.	2.4	19
78	The Role of Nitrogen Donors in Zinc Catalysts for Lactide Ring-Opening Polymerization. Inorganic Chemistry, 2016, 55, 9445-9453.	1.9	53
79	Zero Poisson's ratio PTFE in uniaxial extension. Polymer Testing, 2016, 55, 143-151.	2.3	12
80	The effect of damping function on extrudate swell. Journal of Non-Newtonian Fluid Mechanics, 2016, 236, 73-82.	1.0	19
81	Highly Active Chiral Zinc Catalysts for Immortal Polymerization of $\epsilon$ -Butyrolactone Form Melt Processable Syndio-Rich Poly(hydroxybutyrate). Macromolecules, 2016, 49, 8812-8824.	2.2	41
82	Slip of polymer melts over micro/nano-patterned metallic surfaces. Soft Matter, 2016, 12, 9759-9768.	1.2	21
83	Chemical, physical and morphological properties of bacterial biofilms affect survival of encased Campylobacter jejuni F38011 under aerobic stress. International Journal of Food Microbiology, 2016, 238, 172-182.	2.1	17
84	Dynamics of partially miscible polylactide-poly( $\epsilon$ -caprolactone) blends in the presence of cold crystallization. Rheologica Acta, 2016, 55, 657-671.	1.1	14
85	Effect of Extreme Wettability on Platelet Adhesion on Metallic Implants: From Superhydrophilicity to Superhydrophobicity. ACS Applied Materials & Interfaces, 2016, 8, 17631-17641.	4.0	91
86	Catalytic Synthesis of Secondary Amine-Containing Polymers: Variable Hydrogen Bonding for Tunable Rheological Properties. Macromolecules, 2016, 49, 4423-4430.	2.2	22
87	A Comparison of the Rheological and Mechanical Properties of Isotactic, Syndiotactic, and Heterotactic Poly(lactide). Macromolecules, 2016, 49, 909-919.	2.2	52
88	Superhydrophobic laser ablated PTFE substrates. Applied Surface Science, 2015, 349, 715-723.	3.1	56
89	Slip mechanisms in complex fluid flows. Soft Matter, 2015, 11, 7851-7856.	1.2	100
90	Flow-induced crystallization of polypropylenes in capillary flow. Rheologica Acta, 2015, 54, 207-221.	1.1	7

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91	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
92	Wall slip of polydisperse linear polymers using double reptation. <i>Journal of Rheology</i> , 2015, 59, 885-901.	1.3	26
93	Extrudate swell of HDPE melts: I. Experimental. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 225, 86-93.	1.0	28
94	Synthesis and Rheological Characterization of Star-Shaped and Linear Poly(hydroxybutyrate). <i>Macromolecules</i> , 2015, 48, 6672-6681.	2.2	19
95	Paste Extrusion and Mechanical Properties of PTFE. <i>International Polymer Processing</i> , 2015, 30, 603-614.	0.3	6
96	Superhydrophobic Laser Ablated Stainless Steel Substrates and their Wettability. <i>Surface Innovations</i> , 2015, , 1-27.	1.4	12
97	Entry flows of polylactides with slip. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 210, 78-84.	1.0	7
98	Rheological evaluation of kinetic hydrate inhibitors in NaCl/n-heptane solutions. <i>AIChE Journal</i> , 2014, 60, 2654-2659.	1.8	27
99	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
100	Quiescent crystallization of polypropylene: Experiments and modeling. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1259-1275.	2.4	11
101	Capillary flow of milk chocolate. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 210, 56-65.	1.0	18
102	Contact Angle Hysteresis of Non-Flattened-Top Micro/Nanostructures. <i>Langmuir</i> , 2014, 30, 3274-3284.	1.6	46
103	Ionic strength effects on the microstructure and shear rheology of cellulose nanocrystal suspensions. <i>Cellulose</i> , 2014, 21, 3347-3359.	2.4	182
104	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
105	Quiescent and shear-induced crystallization of polypropylenes. <i>Rheologica Acta</i> , 2014, 53, 519-535.	1.1	23
106	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
107	Capillary Extrusion and Swell of a HDPE Melt Exhibiting Slip. <i>Advances in Polymer Technology</i> , 2013, 32, .	0.8	22
108	Influence of degree of sulfation on the rheology of cellulose nanocrystal suspensions. <i>Rheologica Acta</i> , 2013, 52, 741-751.	1.1	136

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109	Capillary extrusion flow of a fluoropolymer melt. <i>International Journal of Material Forming</i> , 2013, 6, 29-40.	0.9	8
110	Superhydrophobic Lignocellulosic Wood Fiber/Mineral Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9057-9066.	4.0	26
111	Ageing, yielding, and rheology of nanocrystalline cellulose suspensions. <i>Journal of Rheology</i> , 2013, 57, 131-148.	1.3	50
112	Viscoelastic properties and constitutive modelling of bitumen. <i>Fuel</i> , 2013, 108, 391-399.	3.4	63
113	Processing aids for biodegradable polymers. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3592-3600.	1.3	12
114	A simple improved mathematical model for polytetrafluoroethylene (PTFE) paste extrusion. <i>Chemical Engineering Science</i> , 2013, 89, 216-222.	1.9	11
115	Titanium pyridonates and amidates: novel catalysts for the synthesis of random copolymers. <i>Chemical Communications</i> , 2013, 49, 57-59.	2.2	59
116	Wall slip of HDPEs: Molecular weight and molecular weight distribution effects. <i>Journal of Rheology</i> , 2013, 57, 927-948.	1.3	43
117	Contact angle hysteresis: surface morphology effects. <i>Colloid and Polymer Science</i> , 2013, 291, 317-328.	1.0	30
118	PLA- <i>PHB</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
119	Wall slip of linear polymers (HDPEs). , 2013, , .		1
120	Ice friction of ultra-high molecular weight polyethylene: The effects of fluorine additives and plasma (PECVD) treatment. <i>Tribology International</i> , 2013, 57, 177-183.	3.0	8
121	Femtosecond laser irradiation of metallic surfaces: effects of laser parameters on superhydrophobicity. <i>Nanotechnology</i> , 2013, 24, 415302.	1.3	175
122	Polytetrafluoroethylene Paste Extrusion: A Fibrillation Model and Its Relation to Mechanical Properties. <i>International Polymer Processing</i> , 2013, 28, 306-313.	0.3	11
123	Annular Extrudate Swell of a Fluoropolymer Melt. <i>International Polymer Processing</i> , 2012, 27, 535-546.	0.3	13
124	Tubing Extrusion of a Fluoropolymer Melt. <i>International Polymer Processing</i> , 2012, 27, 259-269.	0.3	5
125	Rheology and Processing of Tetrafluoroethylene/Hexafluoropropylene Copolymers. <i>International Polymer Processing</i> , 2012, 27, 167-180.	0.3	3
126	The ice friction of polymeric substrates. <i>Tribology International</i> , 2012, 55, 59-67.	3.0	21



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127	Melt fracture of HDPEs: Metallocene versus Ziegler-Natta and broad MWD effects. <i>Polymer</i> , 2012, 53, 4195-4201.	1.8	15
128	Rheology of Nanocrystalline Cellulose Aqueous Suspensions. <i>Langmuir</i> , 2012, 28, 17124-17133.	1.6	287
129	Thermorheological properties of poly ( $\epsilon$ -caprolactone)/polylactide blends. <i>Polymer Engineering and Science</i> , 2012, 52, 2348-2359.	1.5	55
130	Capillary flow of low-density polyethylene. <i>Polymer Engineering and Science</i> , 2012, 52, 649-662.	1.5	44
131	Melt fracture of two broad molecular weight distribution high-density polyethylenes. <i>Polymer Engineering and Science</i> , 2012, 52, 795-804.	1.5	9
132	Numerical simulation of the wire-spinning process in PET film casting: Steady-state results. <i>AICHE Journal</i> , 2012, 58, 1979-1986.	1.8	3
133	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
134	Wall slip and melt fracture of poly(lactides). <i>Rheologica Acta</i> , 2012, 51, 357-369.	1.1	69
135	Thermorheological and mechanical behavior of polylactide and its enantiomeric diblock copolymers and blends. <i>Polymer</i> , 2012, 53, 2443-2452.	1.8	41
136	Wall slip of molten polymers. <i>Progress in Polymer Science</i> , 2012, 37, 624-643.	11.8	263
137	Thixotropy, yielding and ultrasonic Doppler velocimetry in pulp fibre suspensions. <i>Rheologica Acta</i> , 2012, 51, 201-214.	1.1	40
138	Viscoelastic behaviour and flow instabilities of biodegradable poly ( $\epsilon$ -caprolactone) polyesters. <i>Rheologica Acta</i> , 2012, 51, 179-192.	1.1	43
139	Solution and melt viscoelastic properties of controlled microstructure poly(lactide). <i>Journal of Rheology</i> , 2011, 55, 987-1005.	1.3	67
140	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
141	Thixotropic flow of toothpaste through extrusion dies. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 1262-1271.	1.0	43
142	Slip effects in HDPE flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 167-168, 18-18.	1.0	17
143	Rheology of Ziegler-Natta and metallocene high-density polyethylenes: broad molecular weight distribution effects. <i>Rheologica Acta</i> , 2011, 50, 17-27.	1.1	67
144	Effect of molecular structure and rheology on the compression foam molding of ethylene-co-olefin copolymers. <i>Polymer Engineering and Science</i> , 2011, 51, 1145-1154.	1.5	11

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145	Rheology of pulp fibre suspensions: A critical review. <i>Chemical Engineering Science</i> , 2011, 66, 3460-3470.	1.9	121
146	Appropriate Boundary Conditions in the Flow of Molten Polymers. <i>International Polymer Processing</i> , 2010, 25, 55-62.	0.3	18
147	Relaxation effects of slip in shear flow of linear molten polymers. <i>Rheologica Acta</i> , 2010, 49, 267-274.	1.1	25
148	Crystallization of an ethylene-based butene plastomer: the effect of uniaxial extension. <i>Rheologica Acta</i> , 2010, 49, 931-939.	1.1	19
149	Rheology of pulp suspensions using ultrasonic Doppler velocimetry. <i>Rheologica Acta</i> , 2010, 49, 1127-1140.	1.1	42
150	Carbopol as a model fluid for studying mixing of pulp fibre suspensions. <i>Chemical Engineering Science</i> , 2010, 65, 1288-1295.	1.9	18
151	Ice friction: the effect of thermal conductivity. <i>Journal of Glaciology</i> , 2010, 56, 473-479.	1.1	20
152	Physics of ice friction. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	154
153	The apparent yield stress of pulp fiber suspensions. <i>Journal of Rheology</i> , 2010, 54, 1137-1154.	1.3	52
154	Rolling of bread dough: Experiments and simulations. <i>Food and Bioproducts Processing</i> , 2009, 87, 124-138.	1.8	22
155	Slip effects in tapered dies. <i>Polymer Engineering and Science</i> , 2009, 49, 1960-1969.	1.5	26
156	A novel miniature mixing device for polymeric blends and nanocomposites. <i>Polymer Engineering and Science</i> , 2009, 49, 2092-2098.	1.5	11
157	Rolling of mozzarella cheese: Experiments and simulations. <i>Journal of Food Engineering</i> , 2009, 91, 269-279.	2.7	7
158	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
159	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
160	Modelling PTFE paste extrusion: The effect of an objective flow type parameter. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 159, 41-49.	1.0	7
161	Patterned Superhydrophobic Metallic Surfaces. <i>Langmuir</i> , 2009, 25, 4821-4827.	1.6	677
162	Ice friction: The effects of surface roughness, structure, and hydrophobicity. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	84

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163	Modeling of Paste Extrusion in Semi-Solid State. International Journal of Material Forming, 2008, 1, 771-774.	0.9	0
164	Thermorheological properties of LLDPE/LDPE blends. Rheologica Acta, 2008, 47, 19-31.	1.1	59
165	Rheological characterization and constitutive modeling of bread dough. Rheologica Acta, 2008, 47, 369-381.	1.1	41
166	Thermorheological properties of LLDPE/LDPE blends: Effects of production technology of LLDPE. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1669-1683.	2.4	32
167	Sharkskin and oscillating melt fracture: Why in slit and capillary dies and not in annular dies?. Polymer Engineering and Science, 2008, 48, 405-414.	1.5	21
168	Paste extrusion of polytetrafluoroethylene (PTFE) powders through tubular and annular dies at high reduction ratios. Journal of Applied Polymer Science, 2008, 108, 1055-1063.	1.3	7
169	Viscoelastic flow simulation of polytetrafluoroethylene (PTFE) paste extrusion. Journal of Non-Newtonian Fluid Mechanics, 2008, 153, 25-33.	1.0	16
170	Rheology of mozzarella cheese: Extrusion and rolling. International Dairy Journal, 2008, 18, 615-623.	1.5	21
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