List of Publications by Year in descending order

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Κχιινίς Ηγιίν Δηνι

#	Article	IF	CITATIONS
1	A review of nonlinear oscillatory shear tests: Analysis and application of large amplitude oscillatory shear (LAOS). Progress in Polymer Science, 2011, 36, 1697-1753.	11.8	1,109
2	Large amplitude oscillatory shear as a way to classify the complex fluids. Journal of Non-Newtonian Fluid Mechanics, 2002, 107, 51-65.	1.0	672
3	The role of organically modified layered silicate in the breakup and coalescence of droplets in PBT/PE blends. Polymer, 2006, 47, 3967-3975.	1.8	236
4	Large amplitude oscillatory shear behavior of PEO-PPO-PEO triblock copolymer solutions. Rheologica Acta, 2006, 45, 239-249.	1.1	173
5	Effect of slurry preparation process on electrochemical performances of LiCoO2 composite electrode. Journal of Power Sources, 2010, 195, 6049-6054.	4.0	166
6	Large amplitude oscillatory shear behavior of complex fluids investigated by a network model: a guideline for classification. Journal of Non-Newtonian Fluid Mechanics, 2003, 112, 237-250.	1.0	161
7	Interfacial tension reduction in PBT/PE/clay nanocomposite. Rheologica Acta, 2007, 46, 469-478.	1.1	155
8	High performance and antifouling vertically aligned carbon nanotube membrane for water purification. Journal of Membrane Science, 2014, 460, 171-177.	4.1	142
9	Effect of electric currents on bacterial detachment and inactivation. Biotechnology and Bioengineering, 2008, 100, 379-386.	1.7	140
10	Drying regime maps for particulate coatings. AICHE Journal, 2010, 56, 2769-2780.	1.8	121
11	Optimization of Experimental Parameters To Determine the Jetting Regimes in Electrohydrodynamic Printing. Langmuir, 2013, 29, 13630-13639.	1.6	115
12	Surface properties of silica nanoparticles modified with polymers for polymer nanocomposite applications. Journal of Industrial and Engineering Chemistry, 2008, 14, 515-519.	2.9	113
13	The effect of binders on the rheological properties and the microstructure formation of lithium-ion battery anode slurries. Journal of Power Sources, 2015, 299, 221-230.	4.0	111
14	Flow analysis and fouling on the patterned membrane surface. Journal of Membrane Science, 2013, 427, 320-325.	4.1	110
15	Optimization of Experimental Parameters to Suppress Nozzle Clogging in Inkjet Printing. Industrial & Engineering Chemistry Research, 2012, 51, 13195-13204.	1.8	91
16	Latex Migration in Battery Slurries during Drying. Langmuir, 2013, 29, 8233-8244.	1.6	88
17	Melt rheology of long-chain-branched polypropylenes. Rheologica Acta, 2006, 46, 33-44.	1.1	83
18	Correlation of membrane fouling with topography of patterned membranes for water treatment. Journal of Membrane Science, 2016, 498, 14-19.	4.1	82

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19	Liquid Crystal Order in Colloidal Suspensions of Spheroidal Particles by Direct Current Electric Field Assembly. Small, 2012, 8, 1551-1562.	5.2	71
20	Influence of non-covalent functionalization of carbon nanotubes on the rheological behavior of natural rubber latex nanocomposites. European Polymer Journal, 2014, 53, 147-159.	2.6	71
21	Depletion Stabilization in Nanoparticle–Polymer Suspensions: Multi-Length-Scale Analysis of Microstructure. Langmuir, 2015, 31, 1892-1900.	1.6	66
22	High-resolution finite element simulation of 4:1 planar contraction flow of viscoelastic fluid. Journal of Non-Newtonian Fluid Mechanics, 2005, 129, 23-37.	1.0	59
23	Prediction of normal stresses under large amplitude oscillatory shear flow. Journal of Non-Newtonian Fluid Mechanics, 2008, 150, 1-10.	1.0	54
24	Droplet dynamics passing through obstructions in confined microchannel flow. Microfluidics and Nanofluidics, 2010, 9, 1151-1163.	1.0	54
25	Controlling the Hydrophobicity of Submicrometer Silica Spheres via Surface Modification for Nanocomposite Applications. Langmuir, 2007, 23, 7799-7803.	1.6	53
26	Degree of branching of polypropylene measured from Fourier-transform rheology. Rheologica Acta, 2006, 46, 123-129.	1.1	51
27	Particle deposition on the patterned membrane surface: Simulation and experiments. Desalination, 2015, 370, 17-24.	4.0	50
28	Factors affecting pattern fidelity and performance of a patterned membrane. Journal of Membrane Science, 2014, 462, 1-8.	4.1	48
29	Evaluation of jet performance in drop-on-demand (DOD) inkjet printing. Korean Journal of Chemical Engineering, 2009, 26, 339-348.	1.2	47
30	Drying of the Silica/PVA Suspension: Effect of Suspension Microstructure. Langmuir, 2009, 25, 6155-6161.	1.6	46
31	Stress Development of Li-Ion Battery Anode Slurries during the Drying Process. Industrial & Engineering Chemistry Research, 2015, 54, 6146-6155.	1.8	46
32	Characterization of Compatibilizing Effect of Organoclay in Poly(lactic acid) and Natural Rubber Blends by FT-Rheology. Macromolecules, 2016, 49, 2832-2842.	2.2	46
33	Effect of organoclay as a compatibilizer in poly(lactic acid) and natural rubber blends. European Polymer Journal, 2016, 76, 216-227.	2.6	46
34	Nanothin Coculture Membranes with Tunable Pore Architecture and Thermoresponsive Functionality for Transfer-Printable Stem Cell-Derived Cardiac Sheets. ACS Nano, 2015, 9, 10186-10202.	7.3	44
35	A network model for predicting the shear thickening behavior of a poly (vinyl alcohol)—sodium borate aqueous solution. Journal of Non-Newtonian Fluid Mechanics, 1994, 55, 215-227.	1.0	43
36	Shear-induced migration of nanoclay during morphology evolution of PBT/PS blend. Journal of Applied Polymer Science, 2008, 108, 565-575.	1.3	43

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37	The importance of downstream events in microfluidic viscoelastic entry flows: Consequences of increasing the constriction length. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 1189-1203.	1.0	42
38	Structural evolution of colloidal gels at intermediate volume fraction under start-up of shear flow. Soft Matter, 2013, 9, 11650.	1.2	42
39	Three-dimensional simulation of thermoforming process and its comparison with experiments. Polymer Engineering and Science, 2000, 40, 2232-2240.	1.5	41
40	Numerical study on the effect of viscoelasticity on drop deformation in simple shear and 5:1:5 planar contraction/expansion microchannel. Journal of Non-Newtonian Fluid Mechanics, 2008, 155, 80-93.	1.0	41
41	Effect of Pattern Shape on the Initial Deposition of Particles in the Aqueous Phase on Patterned Membranes during Crossflow Filtration. Environmental Science and Technology Letters, 2017, 4, 66-70.	3.9	41
42	Role of PVDF in Rheology and Microstructure of NCM Cathode Slurries for Lithium-Ion Battery. Materials, 2020, 13, 4544.	1.3	40
43	Morphology and Rheology of Polypropylene/Polystyrene/Clay Nanocomposites in Batch and Continuous Melt Mixing Processes. Macromolecular Materials and Engineering, 2011, 296, 341-348.	1.7	38
44	Conductive Nanocomposites Based on Polystyrene Microspheres and Silver Nanowires by Latex Blending. ACS Applied Materials & Interfaces, 2015, 7, 756-764.	4.0	38
45	Three-dimensional hydraulic modeling of particle deposition on the patterned isopore membrane in crossflow microfiltration. Journal of Membrane Science, 2015, 492, 156-163.	4.1	36
46	Effects of the degree of graft on the tensile and dynamic behavior of high impact polystyrene. Polymer, 2000, 41, 5229-5235.	1.8	35
47	An efficient iterative solver and high-resolution computations of the Oldroyd-B fluid flow past a confined cylinder. Journal of Non-Newtonian Fluid Mechanics, 2004, 123, 161-173.	1.0	35
48	Rheological behavior of polymer/layered silicate nanocomposites under uniaxial extensional flow. Macromolecular Research, 2006, 14, 318-323.	1.0	34
49	Rheology, Morphology, Mechanical Properties and Free Volume of Poly(trimethylene) Tj ETQq1 1 0.784314 rgBT / 9942-9951.	Overlock 1.8	10 Tf 50 267 34
50	Transport and deposition of colloidal particles on a patterned membrane surface: Effect of cross-flow velocity and the size ratio of particle to surface pattern. Journal of Membrane Science, 2019, 572, 309-319.	4.1	34
51	Structural Development of Nanoparticle Dispersion during Drying in Polymer Nanocomposite Films. Macromolecules, 2016, 49, 9068-9079.	2.2	33
52	Structure-rheology relationship for a homogeneous colloidal gel under shear startup. Journal of Rheology, 2017, 61, 117-137.	1.3	33
53	A Study on Reaction-Induced Miscibility of Poly(trimethylene terephthalate)/Polycarbonate Blends. Journal of Physical Chemistry B, 2009, 113, 1569-1578.	1.2	32
54	Structural change and dynamics of colloidal gels under oscillatory shear flow. Soft Matter, 2015, 11, 9262-9272.	1.2	32

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55	Numerical simulation of three-dimensional viscoelastic flow using the open boundary condition method in coextrusion process. Journal of Non-Newtonian Fluid Mechanics, 2001, 99, 125-144.	1.0	31
56	Strain hardening behavior of polymer blends with fibril morphology. Rheologica Acta, 2005, 45, 202-208.	1.1	31
57	Nonlinear response of polypropylene (PP)/Clay nanocomposites under dynamic oscillatory shear flow. Korea Australia Rheology Journal, 2012, 24, 113-120.	0.7	31
58	Conductive poly(high internal phase emulsion) foams incorporated with polydopamine-coated carbon nanotubes. Polymer, 2017, 110, 187-195.	1.8	31
59	First normal stress difference of entangled polymer solutions in large amplitude oscillatory shear flow. Journal of Rheology, 2010, 54, 1243-1266.	1.3	30
60	Mechanism of shear thickening investigated by a network model. Journal of Non-Newtonian Fluid Mechanics, 1995, 56, 267-288.	1.0	29
61	Morphology of injection molded modified poly(phenylene oxide)/polyamide-6 blends. Polymer Engineering and Science, 2000, 40, 1376-1384.	1.5	29
62	Time–electric field superposition in electrically activated polypropylene/layered silicate nanocomposites. Polymer, 2006, 47, 5145-5153.	1.8	28
63	Effect of viscoelasticity on drop dynamics in 5:1:5 contraction/expansion microchannel flow. Chemical Engineering Science, 2009, 64, 4515-4524.	1.9	28
64	Effect of processing conditions and reactive compatibilizer on the morphology of injection molded modified poly(phenylene oxide)/polyamide-6 blends. Polymer Engineering and Science, 2000, 40, 1385-1394.	1.5	27
65	Viscoelastic and Dielectric Behavior of a Polyisoprene/Poly(4-tert-butyl styrene) Miscible Blend. Macromolecules, 2007, 40, 5389-5399.	2.2	27
66	How the interaction between styrene-butadiene-rubber (SBR) binder and a secondary fluid affects the rheology, microstructure and adhesive properties of capillary-suspension-type graphite slurries used for Li-ion battery anodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123692	2.3	27
67	Application of a Flow-Type Electrochemical Lithium Recovery System with λ-MnO <sub>2</sub> /LiMn <sub>2</sub> O <sub>4</sub> : Experiment and Simulation. ACS Sustainable Chemistry and Engineering, 2020, 8, 9622-9631.	3.2	27
68	Flow instability due to coupling of shear-gradients with concentration: non-uniform flow of (hard-sphere) glasses. Soft Matter, 2014, 10, 9470-9485.	1.2	26
69	Gelation of graphene oxides induced by different types of amino acids. Carbon, 2014, 71, 229-237.	5.4	25
70	Strain stiffening of non-colloidal hard sphere suspensions dispersed in Newtonian fluid near liquid-and-crystal coexistence region. Rheologica Acta, 2011, 50, 925-936.	1.1	24
71	Parametric Study of Blade Tip Clearance, Flow Rate, and Impeller Speed on Blood Damage in Rotary Blood Pump. Artificial Organs, 2009, 33, 468-474.	1.0	23
72	Numerical study on the dynamics of droplet passing through a cylinder obstruction in confined microchannel flow. Journal of Non-Newtonian Fluid Mechanics, 2009, 162, 38-44.	1.0	23

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73	Effect of neutralization of poly(acrylic acid) binder on the dispersion heterogeneity of Li-ion battery electrodes. Journal of Materials Science, 2019, 54, 13208-13220.	1.7	23
74	Morphology development of PBT/PE blends during extrusion and its reflection on the rheological properties. Journal of Applied Polymer Science, 2005, 97, 1702-1709.	1.3	22
75	A Novel Fabrication Method for Poly(propylene)/Clay Nanocomposites by Continuous Processing. Macromolecular Materials and Engineering, 2006, 291, 1127-1135.	1.7	22
76	Microstructural evolution of electrically activated polypropylene/layered silicate nanocomposites investigated by in situ synchrotron wide-angle X-ray scattering and dielectric relaxation analysis. Polymer, 2006, 47, 5938-5945.	1.8	21
77	Effect of preheating on the viscoelastic properties of dental composite under different deformation conditions. Dental Materials Journal, 2015, 34, 702-706.	0.8	21
78	Film squeezing process for generating oblate spheroidal particles with high yield and uniform sizes. Colloid and Polymer Science, 2016, 294, 859-867.	1.0	21
79	A new paradigm of materials processing—heterogeneity control. Current Opinion in Chemical Engineering, 2017, 16, 16-22.	3.8	21
80	Shear and normal stresses of a poly( vinyl alcohol)/sodium borate aqueous solution at the start of shear flow. Journal of Non-Newtonian Fluid Mechanics, 1994, 54, 109-120.	1.0	20
81	Role of shear-induced dynamical heterogeneity in the nonlinear rheology of colloidal gels. Soft Matter, 2014, 10, 9254-9259.	1.2	20
82	Drying of a Charge-Stabilized Colloidal Suspension in Situ Monitored by <i>Vertical</i> Small-Angle X-ray Scattering. Langmuir, 2013, 29, 10059-10065.	1.6	19
83	A novel Lattice Boltzmann method for the dynamics of rigid particles suspended in a viscoelastic medium. Journal of Non-Newtonian Fluid Mechanics, 2017, 244, 75-84.	1.0	19
84	Interconnected network of Ag and Cu in bioplastics for ultrahigh electromagnetic interference shielding efficiency with high thermal conductivity. Composites Communications, 2022, 30, 101093.	3.3	19
85	Morphology–rheology relationship in hyaluronate/poly(vinyl alcohol)/borax polymer blends. Polymer, 2005, 46, 7156-7163.	1.8	18
86	Rheology and microstructure of non-Brownian suspensions in the liquid and crystal coexistence region: strain stiffening in large amplitude oscillatory shear. Soft Matter, 2015, 11, 4061-4074.	1.2	18
87	A review on particle dynamics simulation techniques for colloidal dispersions: Methods and applications. Korean Journal of Chemical Engineering, 2016, 33, 3069-3078.	1.2	18
88	Orthogonal superposition rheometry of colloidal gels: time-shear rate superposition. Soft Matter, 2018, 14, 8651-8659.	1.2	18
89	Influence of solvent contents on the rubber-phase particle size distribution of high-impact polystyrene. Journal of Applied Polymer Science, 2003, 89, 3672-3679.	1.3	17
90	Effect of ionomer on clay dispersions in polypropylene-layered silicate nanocomposites. Journal of Applied Polymer Science, 2007, 104, 4024-4034.	1.3	17

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91	The effect of adsorption kinetics on film formation of silica/PVA suspension. Journal of Colloid and Interface Science, 2010, 344, 308-314.	5.0	16
92	Effect of electric field on polymer/clay nanocomposites depending on the affinities between the polymer and clay. Journal of Applied Polymer Science, 2016, 133, .	1.3	16
93	Negative wake generation of FENE-CR fluids in uniform and Poiseuille flows past a cylinder. Rheologica Acta, 2005, 44, 600-613.	1.1	15
94	Rheology and morphology of polytrimethylene terephthalate/ethylene propylene diene monomer blends in the presence and absence of a reactive compatibilizer. Polymer Engineering and Science, 2010, 50, 1945-1955.	1.5	15
95	Multilayer deposition on patterned posts using alternating polyelectrolyte droplets in a microfluidic device. Lab on A Chip, 2010, 10, 1160.	3.1	15
96	Nanoparticle-Induced Gelation of Bimodal Slurries with Highly Size-Asymmetric Particles: Effect of Surface Chemistry and Concentration. Langmuir, 2015, 31, 13639-13646.	1.6	15
97	Chaotic mixing in a barrierâ€embedded partitioned pipe mixer. AICHE Journal, 2018, 64, 717-729.	1.8	15
98	Numerical simulation of moving free surface problems in polymer processing using volume-of-fluid method. Polymer Engineering and Science, 2001, 41, 858-866.	1.5	13
99	Simple method for determining the critical molecular weight from the loss modulus. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2724-2729.	2.4	13
100	Numerical and experimental studies on the viscous folding in diverging microchannels. Microfluidics and Nanofluidics, 2010, 8, 767-776.	1.0	13
101	Effect of thermal history during drying and curing process on the chain orientation of rod-shaped polyimide. Polymer, 2014, 55, 5829-5836.	1.8	13
102	Clogging mechanism of poly(styrene) particles in the flow through a single micro-pore. Journal of Membrane Science, 2017, 534, 25-32.	4.1	13
103	Particle percolation in a poly(lactic acid)/calcium carbonate nanocomposite with a small amount of a secondary phase and its influence on the mechanical properties. Polymer Composites, 2019, 40, 4023-4032.	2.3	13
104	Significant Agglomeration of Conductive Materials and the Dispersion State Change of the Ni-Rich NMC-Based Cathode Slurry during Storage. Industrial & Engineering Chemistry Research, 2022, 61, 2100-2109.	1.8	13
105	Interplay between structure and property of graphene nanoplatelet networks formed by an electric field in a poly(lactic acid) matrix. Journal of Rheology, 2017, 61, 291-303.	1.3	12
106	Reduced graphene-oxide filter system for removing filterable and condensable particulate matter from source. Journal of Hazardous Materials, 2020, 391, 122223.	6.5	12
107	Bead-spring chain model for the dynamics of dilute polymer solutions. Journal of Non-Newtonian Fluid Mechanics, 1993, 50, 349-373.	1.0	11
108	Electrophoresis of a bead-rod chain through a narrow slit: A Brownian dynamics study. Journal of Chemical Physics, 2004, 121, 9116-9122.	1.2	11

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109	Bimodal colloid gels of highly size-asymmetric particles. Physical Review E, 2015, 92, 012313.	0.8	11
110	Design Optimization for a Microfluidic Crossflow Filtration System Incorporating a Micromixer. Micromachines, 2019, 10, 836.	1.4	11
111	Universality of linear viscoelasticity of monodisperse linear polymers. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2730-2737.	2.4	10
112	Adsorption–stress relationship in drying of silica/PVA suspensions. Journal of Colloid and Interface Science, 2011, 361, 497-502.	5.0	10
113	Filament thinning of silicone oil/poly(methyl methacrylate) suspensions under extensional flow. Rheologica Acta, 2015, 54, 705-714.	1.1	10
114	Rheological analysis of oil–water emulsions stabilized with clay particles by LAOS and interfacial shear moduli measurements. Rheologica Acta, 2019, 58, 453-466.	1.1	10
115	Change of rheological/mechanical properties of poly(caprolactone)/CaCO3 composite with particle surface modification. Korea Australia Rheology Journal, 2020, 32, 29-39.	0.7	10
116	Design of electrical conductive poly(lactic acid)/carbon black composites by induced particle aggregation. Journal of Applied Polymer Science, 2020, 137, 49295.	1.3	10
117	Three-dimensional viscoelastic simulation of coextrusion process: comparison with experimental data. Rheologica Acta, 2002, 41, 144-153.	1.1	9
118	Rheological characteristics of poly(ethylene oxide) aqueous solutions under large amplitude oscillatory squeeze flow. Korea Australia Rheology Journal, 2012, 24, 257-266.	0.7	9
119	Thermocapillary flows on heated substrates with sinusoidal topography. Journal of Fluid Mechanics, 2019, 859, 992-1021.	1.4	9
120	Fouling mitigation in crossflow filtration using chaotic advection: A numerical study. AICHE Journal, 2020, 66, e16792.	1.8	9
121	Effect of Colloidal Interactions and Hydrodynamic Stress on Particle Deposition in a Single Micropore. Langmuir, 2022, , .	1.6	9
122	Effect of added ionomer on morphology and properties of PP/organoclay nanocomposites. Korean Journal of Chemical Engineering, 2010, 27, 705-715.	1.2	8
123	Local shear stress and its correlation with local volume fraction in concentrated non-Brownian suspensions: Lattice Boltzmann simulation. Physical Review E, 2014, 90, 062317.	0.8	8
124	Effect of elasticity number and aspect ratio on the vortex dynamics in 4:1 micro-contraction channel flow. Korea Australia Rheology Journal, 2014, 26, 335-340.	0.7	8
125	Flow patterns in 4:1 micro-contraction flows of viscoelastic fluids. Korea Australia Rheology Journal, 2015, 27, 65-73.	0.7	8
126	Numerical analysis of the heat transfer and fluid flow in the butt-fusion welding process. Korea Australia Rheology Journal, 2017, 29, 37-49.	0.7	8

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127	Numerical study on the mixing in a barrier-embedded partitioned pipe mixer (BPPM) for non-creeping flow conditions. Korea Australia Rheology Journal, 2018, 30, 227-238.	0.7	8
128	Particle dynamics at fluid interfaces studied by the color gradient lattice Boltzmann method coupled with the smoothed profile method. Physical Review E, 2020, 101, 053302.	0.8	8
129	Controlling Drying Stress and Mechanical Properties of Battery Electrodes Using a Capillary Force-Induced Suspension System. Industrial & Engineering Chemistry Research, 2021, 60, 4873-4882.	1.8	8
130	Bead-spring chain model for the dynamics of dilute polymer solutions. Journal of Non-Newtonian Fluid Mechanics, 1992, 43, 143-164.	1.0	7
131	Weldline morphology of injection molded modified poly(phenylene-oxide)/polyamide-6 blends. Polymer Engineering and Science, 2001, 41, 554-565.	1.5	7
132	Design of new HDPE/silica nanocomposite and its enhanced melt strength. Rheologica Acta, 2012, 51, 143-150.	1.1	7
133	Dynamics of model-stabilized colloidal suspensions in confined Couette flow. Journal of Non-Newtonian Fluid Mechanics, 2013, 199, 29-36.	1.0	7
134	The effect of film thickness on the depthâ€wise chain orientation of rodâ€shaped polyimide. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 848-857.	2.4	7
135	Reversible Cell Layering for Heterogeneous Cell Assembly Mediated by Ionic Cross-Linking of Chitosan and a Functionalized Cell Surface Membrane. Chemistry of Materials, 2017, 29, 5294-5305.	3.2	7
136	Viscosity Measurement of Whole Blood with Parallel Plate Rheometers. Biochip Journal, 2020, 14, 179-184.	2.5	7
137	Stratification Mechanism in the Bidisperse Colloidal Film Drying Process: Evolution and Decomposition of Normal Stress Correlated with Microstructure. Langmuir, 2021, 37, 13712-13728.	1.6	7
138	Model prediction of non-symmetric normal stresses under oscillatory squeeze flow. Korean Journal of Chemical Engineering, 2012, 29, 1010-1018.	1.2	6
139	In situ Lubrication Dispersion of Multiâ€Walled Carbon Nanotubes in Poly(propylene) Melts. Macromolecular Materials and Engineering, 2012, 297, 279-287.	1.7	6
140	Dynamics of aggregating particulate suspensions in the microchannel flow of 4:1 planar contraction. Journal of Non-Newtonian Fluid Mechanics, 2014, 211, 62-69.	1.0	6
141	Brownian dynamics simulation on orthogonal superposition rheology: Time–shear rate superposition of colloidal gel. Journal of Rheology, 2021, 65, 337-354.	1.3	6
142	Interplay between particulate fouling and its flow disturbance: Numerical and experimental studies. Journal of Membrane Science, 2021, 635, 119497.	4.1	6
143	Multiple Representation of Linear Dielectric Response. Nihon Reoroji Gakkaishi, 2010, 38, 149-155.	0.2	6
144	In situ flow visualization of capillary flow of concentrated alumina suspensions. Rheologica Acta, 2013, 52, 547-556.	1.1	5

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145	Prediction of Coating Thickness in the Convective Assembly Process. Langmuir, 2013, 29, 15762-15769.	1.6	5
146	Time–Weissenberg number superposition in planar contraction microchannel flows. Journal of Non-Newtonian Fluid Mechanics, 2014, 210, 41-46.	1.0	5
147	A generality in stress development of silica/poly(vinyl alcohol) mixtures during drying process. Progress in Organic Coatings, 2015, 88, 304-309.	1.9	5

Effect of silica particles on vortex dynamics in a micro-contraction channel flow of poly(ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6

149	Preparation of polycarbonate/poly(acrylonitrileâ€butadieneâ€styrene)/mesoporous silica nanocomposite films and its rheological, mechanical, and sound absorption properties. Journal of Applied Polymer Science, 2018, 135, 45777.	1.3	5
150	Flow and mixing characteristics of a groove-embedded partitioned pipe mixer. Korea Australia Rheology Journal, 2020, 32, 319-329.	0.7	5
151	Synergistic toughening effect of hybrid clay particles on poly(lactic acid)/natural rubber blend. Polymer Composites, 2021, 42, 1021-1033.	2.3	5
152	Time-Weissenberg Number Superposition in 4:1 Planar Contraction Flow of a Viscoelastic Fluid. Nihon Reoroji Gakkaishi, 2005, 33, 191-197.	0.2	5
153	Sedimentation and Rheological Study of Microalgal Cell (Chlorella sp. HS2) Suspension. Biotechnology and Bioprocess Engineering, 2022, 27, 451-460.	1.4	5
154	Effect of graft ratio on the dynamic moduli of acrylonitrile-butadiene-styrene copolymer. Polymer Engineering and Science, 2002, 42, 605-610.	1.5	4
155	The onset of natural convection in a horizontal fluid layer heated isothermally from below. International Journal of Heat and Mass Transfer, 2012, 55, 1030-1035.	2.5	4
156	Rheological properties of oil paints and their flow instabilities in blade coating. Rheologica Acta, 2013, 52, 643-659.	1.1	4
157	Yield and flow measurement of fine and coarse binary particulate mineral slurries. International Journal of Mineral Processing, 2013, 119, 6-15.	2.6	4
158	Dielectric Characterization of Pigment Inks for Electrohydrodynamic Jet Printing. Industrial & Engineering Chemistry Research, 2014, 53, 17445-17453.	1.8	4
159	Interdiffusion and chain orientation in the drying of multi-layer polyimide film. Polymer, 2015, 68, 74-82.	1.8	4
160	Heterogeneity in the final stage of filament breakup of silicone oil/PMMA suspensions. Rheologica Acta, 2016, 55, 91-101.	1.1	4
161	Brownian dynamics of colloidal microspheres with tunable elastic properties from soft to hard. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 546, 360-365.	2.3	4
162	Path-dependent work and energy in large amplitude oscillatory shear flow. Journal of Non-Newtonian Fluid Mechanics, 2018, 251, 1-9.	1.0	4

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163	Colloidal dynamics and elasticity of dense wax particle suspensions over a wide range of volume fractions when tuning the softness by temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 576, 1-8.	2.3	4
164	Effect of Melt-Compounding Protocol on Self-Aggregation and Percolation in a Ternary Composite. Polymers, 2020, 12, 3041.	2.0	4
165	Analysis of the Normal Stress Differences of Viscoelastic Fluids under Large Amplitude Oscillatory Shear Flow. AIP Conference Proceedings, 2008, , .	0.3	3
166	Self-consistent particle simulation of model-stabilized colloidal suspensions. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 1183-1189.	1.0	3
167	Effect of local kinematic history on the dynamic self-assembly of droplets in micro-expansion channels. Korea Australia Rheology Journal, 2011, 23, 119-126.	0.7	3
168	Pressure-driven flows of concentrated alumina suspensions depending on dispersion states of particles. Rheologica Acta, 2014, 53, 209-218.	1.1	3
169	Highâ€ŧhroughput DNA separation in nanofilter arrays. Electrophoresis, 2014, 35, 2068-2077.	1.3	3
170	Time-dependent viscoelastic properties of Oldroyd-B fluid studied by advection-diffusion lattice Boltzmann method. Korea Australia Rheology Journal, 2017, 29, 137-146.	0.7	3
171	Growths of mechanical elasticity and electrical conductance of graphene nanoplatelet/poly(lactic) Tj ETQq1 1 0.7 structure of graphene nanoplatelets. Rheologica Acta, 2017, 56, 871-885.	84314 rgl 1.1	3T /Overlock 3
172	Acceleration of instability during the capillary thinning process due to the addition of particles to a poly(ethylene oxide) solution. Journal of Non-Newtonian Fluid Mechanics, 2018, 258, 58-68.	1.0	3
173	Injectable hydrogels with improved mechanical property based on electrostatic associations. Colloid and Polymer Science, 2021, 299, 575-584.	1.0	3
174	Secondary polymer-induced particle aggregation and its rheological, electrical, and mechanical effects on PLA-based ternary composites. Journal of Rheology, 2022, 66, 275-291.	1.3	3
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