

A review of nonlinear oscillatory shear tests: Analysis and oscillatory shear (LAOS)

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Rheometry of suspensions. , 2011, , 291-324.		1
4	A new non-linear parameter Q from FT-Rheology under nonlinear dynamic oscillatory shear for polymer melts system. Korea Australia Rheology Journal, 2011, 23, 227-235.	0.7	36
5	Fourier Transform Rheology as a universal non-linear mechanical characterization of droplet size and interfacial tension of dilute monodisperse emulsions. Journal of Colloid and Interface Science, 2011, 360, 818-825.	5.0	46
6	Optimizing the Sensitivity of FT-Rheology to Quantify and Differentiate for the First Time the Nonlinear Mechanical Response of Dispersed Beer Foams of Light and Dark Beer. Zeitschrift Fur Physikalische Chemie, 2012, 226, 547-567.	1.4	34
7	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
8	Rheological characterization of poly(ethylene oxide) aqueous solution under dynamic helical squeeze flow. Korea Australia Rheology Journal, 2012, 24, 267-275.	0.7	1
9	Nanogel formation of polymer solutions flowing through porous media. Soft Matter, 2012, 8, 6445.	1.2	20
10	The molecular origin of stress generation in worm-like micelles, using a rheo-SANS LAOS approach. Soft Matter, 2012, 8, 7831.	1.2	54
11	Elastic instabilities in a microfluidic cross-slot flow of wormlike micellar solutions. Soft Matter, 2012, 8, 5847.	1.2	45
12	Nonlinear Viscoelasticity and Shear Localization at Complex Fluid Interfaces. Langmuir, 2012, 28, 7757-7767.	1.6	54
13	New Insight to the Mechanism of the Shear-Induced Macroscopic Alignment of Diblock Copolymer Melts by a Unique and Newly Developed Rheo-SAXS Combination. Macromolecules, 2012, 45, 455-472.	2.2	45
14	Unique Nonlinear Behavior of Nano-Filled Elastomers: From the Onset of Strain Softening to Large Amplitude Shear Deformations. Macromolecules, 2012, 45, 2891-2904.	2.2	56
15	In Situ Rheodielectric, ex Situ 2D-SAXS, and Fourier Transform Rheology Investigations of the Shear-Induced Alignment of Poly(styrene- <i>b</i> -1,4-isoprene) Diblock Copolymer Melts. Macromolecules, 2012, 45, 7206-7219.	2.2	22
16	A new instrument for dynamic helical squeeze flow which superposes oscillatory shear and oscillatory squeeze flow. Review of Scientific Instruments, 2012, 83, 085105.	0.6	4
17	Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow. Physical Review Letters, 2012, 108, 258301.	2.9	48
18	Two-dimensional Fourier transform rheological study on thermosensitivity of poly(N,N-diethylacrylamide) in aqueous solutions. Polymer, 2012, 53, 4800-4805.	1.8	2
19	A novel method for visualising and quantifying through-plane skin layer deformations. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 14, 199-207.	1.5	46
20	A sequence of physical processes determined and quantified in LAOS: An instantaneous local 2D/3D approach. Journal of Rheology, 2012, 56, 1129-1151.	1.3	111

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21	Large amplitude oscillatory shear (LAOS) measurements to obtain constitutive equation model parameters: Giesekus model of banding and nonbanding wormlike micelles. <i>Journal of Rheology</i> , 2012, 56, 333-351.	1.3	132
22	Surface shear rheology of hydrophobin adsorption layers: laws of viscoelastic behaviour with applications to long-term foam stability. <i>Faraday Discussions</i> , 2012, 158, 195.	1.6	28
23	Effect of temperature on dynamic rheological properties of uncured rubber materials in both the linear and the nonlinear viscoelastic domains. <i>Journal of Applied Polymer Science</i> , 2012, 126, 408-422.	1.3	13
24	Nonlinear response of polypropylene (PP)/Clay nanocomposites under dynamic oscillatory shear flow. <i>Korea Australia Rheology Journal</i> , 2012, 24, 113-120.	0.7	31
25	The rheological behavior of native and high-pressure homogenized waxy maize starch pastes. <i>Carbohydrate Polymers</i> , 2012, 88, 481-489.	5.1	22
26	Fourier Transform Rheology as an innovative morphological characterization technique for the emulsion volume average radius and its distribution. <i>Journal of Colloid and Interface Science</i> , 2012, 380, 201-212.	5.0	43
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30	Superposition rheometry of a wormlike micellar fluid. <i>Rheologica Acta</i> , 2013, 52, 727-740.	1.1	45
31	Viscoelastic melt rheology and time-temperature superposition of polycarbonate-multi-walled carbon nanotube nanocomposites. <i>Rheologica Acta</i> , 2013, 52, 801-814.	1.1	25
32	Rheological properties of oil paints and their flow instabilities in blade coating. <i>Rheologica Acta</i> , 2013, 52, 643-659.	1.1	4
33	Low-dimensional intrinsic material functions for nonlinear viscoelasticity. <i>Rheologica Acta</i> , 2013, 52, 201-219.	1.1	125
34	Effect of organoclay on non-linear rheological properties of poly(lactic acid)/poly(caprolactone) blends. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1013-1022.	1.2	51
35	Linear and nonlinear viscoelasticity of water-in-oil emulsions: Effect of droplet elasticity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 220-228.	2.3	24
36	Shear and dilatational linear and nonlinear subphase controlled interfacial rheology of β -lactoglobulin fibrils and their derivatives. <i>Journal of Rheology</i> , 2013, 57, 1003-1022.	1.3	100
37	Local mobility and microstructure in periodically sheared soft particle glasses and their connection to macroscopic rheology. <i>Journal of Rheology</i> , 2013, 57, 1023-1046.	1.3	57
38	Flow field visualization of entangled polybutadiene solutions under nonlinear viscoelastic flow conditions. <i>Journal of Rheology</i> , 2013, 57, 1411-1428.	1.3	57

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40	Short-term and long-term irreversibility in particle suspensions undergoing small and large amplitude oscillatory stress. <i>Journal of Rheology</i> , 2013, 57, 1325-1346.	1.3	19
41	Relating structure and flow of soft colloids. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2757-2772.	1.2	8
42	Yielding and flow of concentrated Pickering emulsions. <i>Soft Matter</i> , 2013, 9, 7568.	1.2	48
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45	Describing and prescribing the constitutive response of yield stress fluids using large amplitude oscillatory shear stress (LAOStress). <i>Journal of Rheology</i> , 2013, 57, 27-70.	1.3	218
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55	Flow of concentrated solutions of starlike micelles under large-amplitude oscillatory shear. <i>Rheologica Acta</i> , 2013, 52, 785-800.	1.1	37
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75	Variable-amplitude oscillatory shear response of amorphous materials. <i>Physical Review E</i> , 2014, 89, 062307.	0.8	22

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87	A critical gel fluid with high extensibility: The rheology of chewing gum. <i>Journal of Rheology</i> , 2014, 58, 821-838.	1.3	26
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