Shuji Fujii

List of Publications by Year
in descending order

46 papers	441 citations	687363 13 h-index	752698 20 g-index
48 all docs	48 docs citations	48 times ranked	373 citing authors

#	Article	IF	Citations
1	Reversible size of shear-induced multi-lamellar vesicles. Colloid and Polymer Science, 2005, 284, 317-321.	2.1	38
2	Size and viscoelasticity of spatially confined multilamellar vesicles. European Physical Journal E, 2006, 19, 139-148.	1.6	38
3	FIB-SEM and TEMT Observation of Highly Elastic Rubbery Material with Nanomatrix Structure. Macromolecules, 2008, 41, 4510-4513.	4.8	37
4	Preparation of nanocrystalline zinc-substituted hydroxyapatite films and their biological properties. Colloids and Interface Science Communications, 2016, 10-11, 15-19.	4.1	26
5	Polymerâ€Stabilized Micropixelated Liquid Crystals with Tunable Optical Properties Fabricated by Double Templating. Advanced Materials, 2017, 29, 1703054.	21.0	26
6	Differential Dynamic Modulus of Carbon Black Filled, Uncured SBR in Single-Step Large Shearing Deformations. E-Journal of Soft Materials, 2007, 3, 29-40.	2.0	24
7	Multilamellar vesicles (â€œonionsâ€) under shear quench: pathway of discontinuous size growth. Rheologica Acta, 2009, 48, 231-240.	2.4	24
8	Influence of a Triblock Copolymer on Phase Behavior and Shear-Induced Topologies of a Surfactant Lamellar Phase. Langmuir, 2009, 25, 5476-5483.	3.5	21
9	Smectic rheology close to the smectic-nematic transition. Europhysics Letters, 2010, 90, 64001.	2.0	21
10	Elasticity of smectic liquid crystals with focal conic domains. Journal of Physics Condensed Matter, 2011, 23, 235105.	1.8	20
11	Shear-induced onion formation of polymer-grafted lamellar phase. Soft Matter, 2012, 8, 5381.	2.7	19
12	Novel Characterization of Filler Network in Rubber Materials Using Differential Dynamic Modulus in Large Compression and Recovery. E-Journal of Soft Materials, 2007, 3, 14-20.	2.0	16
13	Structural Rheology of the Smectic Phase. Materials, 2014, 7, 5146-5168.	2.9	15
14	Dynamic orientation transition of the lyotropic lamellar phase at high shear rates. Soft Matter, 2015, 11, 9330-9341.	2.7	15
15	Shear Induced Structures in Lamellar Systems. Progress of Theoretical Physics Supplement, 2008, 175, 154-165.	0.1	12
16	Shear quench-induced disintegration of a nonionic surfactant C10E3 onion phase. Soft Matter, 2013, 9, 5391.	2.7	10
17	Tunable two-dimensional polarization grating using a self-organized micropixelated liquid crystal structure. RSC Advances, 2018, 8, 41472-41479.	3.6	9
18	Filler Effects on Temperature Dependence of Viscoelastic Properties of Filled Rubbers. E-Journal of Soft Materials, 2007, 3, 41-48.	2.0	8

#	Article	IF	Citations
19	Structural rheology of focal conic domains: a stress-quench experiment. Soft Matter, 2014, 10, 5289.	2.7	8
20	Negative viscosity of a liquid crystal in the presence of turbulence. Physical Review E, 2019, 99, 012701.	2.1	7
21	Shear-induced structural transformation of pentaethylene glycol n-dodecyl ether and lithium perfluorooctane sulfonate mixed-surfactant lamellar solution. Colloid and Polymer Science, 2003, 281, 439-446.	2.1	5
22	Shear-induced Onion Formation of Triblock Copolymer-embedded Surfactant Lamellar Phase. Nihon Reoroji Gakkaishi, 2013, 41, 29-34.	1.0	5
23	Random migration of induced pluripotent stem cell-derived human gastrulation-stage mesendoderm. PLoS ONE, 2018, 13, e0201960.	2.5	5
24	Nonlinear Rheology and Fracture of Disclination Network in Cholesteric Blue Phase III. Fluids, 2018, 3, 34.	1.7	4
25	Orientation transition of defective lyotropic triblock copolymer lamellar phase. Journal of Biorheology, 2014, 28, 55-60.	0.5	4
26	Filler Network Change and Nonlinear Viscoelasticity of Rubbers. Advanced Materials Research, 2006, 11-12, 729-732.	0.3	3
27	Transient behavior of stress in a wormlike micellar solution under oscillatory shear. Colloid and Polymer Science, 2015, 293, 3237-3248.	2.1	3
28	Shear-Thinning Characteristics of Nematic Liquid Crystals Doped with Nanoparticles. Crystals, 2016, 6, 145.	2.2	3
29	Chain Anisotropy Effect on Polymer Nonlinear Viscoelasticity. E-Journal of Soft Materials, 2008, 4, 1-6.	2.0	2
30	Kinetics of the orientation transition in the lyotropic lamellar phase. Journal of Biorheology, 2016, 30, 27-33.	0.5	2
31	Negative viscosity of liquid crystals in the presence of turbulence: Conductivity dependence, phase diagram, and self-oscillation. Physical Review E, 2020, 101, 022702.	2.1	2
32	Rheological characterization of thermal phase behavior of anionic lipid DMPG dispersions. Journal of Biorheology, 2017, 31, 6-11.	0.5	2
33	A Study on the Condition of No Shear-Induced Structure Generation in Wormlike Micelle Solutions. Nihon Reoroji Gakkaishi, 2022, 50, 235-243.	1.0	2
34	Nonlinear Viscoelasticity of Rubber Materials: Payne Effect and Differential Dynamic Modulus. E-Journal of Soft Materials, 2011, 7, 1-7.	2.0	1
35	Structural rheology of composite onion phase. Journal of Biorheology, 2015, 29, 28-35.	0.5	1
36	Anomalous Diffusion of Particles Dispersed in Xanthan Solutions Subjected to Shear Flow. Journal of the Physical Society of Japan, 2018, 87, 054005.	1.6	1

#	Article	IF	Citations
37	Viscoelasticity of Onion Phase Composed of Complex Surfactant Bilayers. Transactions of the Materials Research Society of Japan, 2008, 33, 425-426.	0.2	1
38	Structural Rheology of Smectic Liquid Crystalline Phase. Nihon Reoroji Gakkaishi, 2013, 40, 229-237.	1.0	1
39	Process Control of Loss Factor in Soft Materials. Advanced Materials Research, 2006, 11-12, 725-728.	0.3	0
40	Flow-Induced Multilamellar Vesicle Formation of Bilayer Membrane Systems. Nippon Gomu Kyokaishi, 2010, 83, 95-102.	0.0	0
41	Non-linear viscoelasticity analysis for CTAB/NaSal wormlike micellar solution in large amplitude oscillatory shear. Transactions of the JSME (in Japanese), 2015, 81, 14-00615-14-00615.	0.2	0
42	Microrheology of Microtubule Aqueous Solution. Biophysical Journal, 2018, 114, 506a.	0.5	0
43	Formation of Shear Band in a Microtubule Solution. Biophysical Journal, 2018, 114, 506a.	0.5	0
44	Shear-enhanced elasticity in the cubic blue phase I. Physical Review E, 2021, 103, 052704.	2.1	0
45	Nonequilibrium Structure Formation of Complex Bilayer Membrane Lamellar Phase Under Shear. , 2015, , 77-97.		0
46	Notes on the slow dynamics in dilute lyotropic lamellar phase. Journal of Biorheology, 2019, 33, 8-12.	0.5	0