

So Fujinami

List of Publications by Year in descending order

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55
papers

1,203
citations

361296
20
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395590
33
g-index

56
all docs

56
docs citations

56
times ranked

1176
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonisothermal Crystallization Kinetics of Poly(butylene succinate) and Poly(ethylene succinate). <i>Polymer Journal</i> , 2004, 36, 642-646.	1.3	81
2	Miscibility and crystallization of poly(ethylene succinate)/poly(vinyl phenol) blends. <i>Polymer</i> , 2004, 45, 4515-4521.	1.8	67
3	Nano-palpation AFM and its quantitative mechanical property mapping. <i>Microscopy (Oxford, England)</i> , 2014, 63, 193-208.	0.7	67
4	Nanorheological Mapping of Rubbers by Atomic Force Microscopy. <i>Macromolecules</i> , 2013, 46, 1916-1922.	2.2	61
5	Visualization of nanomechanical mapping on polymer nanocomposites by AFM force measurement. <i>Polymer</i> , 2010, 51, 2455-2459.	1.8	58
6	Nanorheological Analysis of Polymer Surfaces by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5425-5429.	0.8	54
7	Mechanical Regulation of Cellular Adhesion onto Honeycomb-Patterned Porous Scaffolds by Altering the Elasticity of Material Surfaces. <i>Biomacromolecules</i> , 2013, 14, 1208-1213.	2.6	53
8	Quantitative Nanomechanical Investigation on Deformation of Poly(lactic acid). <i>Macromolecules</i> , 2012, 45, 8770-8779.	2.2	51
9	Production of a cellular structure in carbon nanotube/natural rubber composites revealed by nanomechanical mapping. <i>Carbon</i> , 2010, 48, 3708-3714.	5.4	50
10	True Surface Topography and Nanomechanical Mapping Measurements on Block Copolymers with Atomic Force Microscopy. <i>Macromolecules</i> , 2010, 43, 3169-3172.	2.2	47
11	Characterization of Surface Viscoelasticity and Energy Dissipation in a Polymer Film by Atomic Force Microscopy. <i>Macromolecules</i> , 2011, 44, 8693-8697.	2.2	44
12	Investigation of True Surface Morphology and Nanomechanical Properties of Poly(styrene- <i>b</i> -ethylene-co-butylene- <i>b</i> -styrene) Using Nanomechanical Mapping: Effects of Composition. <i>Macromolecules</i> , 2010, 43, 9049-9055.	2.2	42
13	Spherulitic morphology and growth of poly(vinylidene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (fluoride)/poly(3-hydroxy 4355-4360.	1.8	41
14	Investigation of Reactive Polymer-Polymer Interface Using Nanomechanical Mapping. <i>Macromolecules</i> , 2010, 43, 5521-5523.	2.2	39
15	Viscoelasticity of Inhomogeneous Polymers Characterized by Loss Tangent Measurements Using Atomic Force Microscopy. <i>Macromolecules</i> , 2014, 47, 7971-7977.	2.2	37
16	Elastic modulus of ultrathin polymer films characterized by atomic force microscopy: The role of probe radius. <i>Polymer</i> , 2016, 87, 114-122.	1.8	34
17	Characterization of morphology and mechanical properties of block copolymers using atomic force microscopy: Effects of processing conditions. <i>Polymer</i> , 2012, 53, 1960-1965.	1.8	31
18	Analytical methods to derive the elastic modulus of soft and adhesive materials from atomic force microscopy force measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1279-1286.	2.4	25

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2007, 25, 35.	2.0	24
20	Precise Synthesis of a Homogeneous Thermoresponsive Polymer Network Composed of Four-Branched Star Polymers with a Narrow Molecular Weight Distribution. Macromolecules, 2020, 53, 374-386.	2.2	23
21	Highly Transparent and Tough Filler Composite Elastomer Inspired by the Cornea. , 2020, 2, 325-330.		21
22	Nanomechanical Mapping on the Deformed Poly(μ -caprolactone). Macromolecules, 2011, 44, 1779-1782.	2.2	19
23	Configurationaly Constrained Crystallization of Brush Polymers with Poly(ethylene oxide) Side Chains. Macromolecules, 2019, 52, 592-600.	2.2	19
24	Nanorheological Investigation of Polymeric Surfaces by Atomic Force Microscopy. Composite Interfaces, 2009, 16, 13-25.	1.3	16
25	Self-assembled porous templates allow pattern transfer to poly(dimethyl siloxane) sheets through surface wrinkling. Polymer Journal, 2012, 44, 573-578.	1.3	16
26	Dynamical Heterogeneity near Glass Transition Temperature under Shear Conditions. Physical Review Letters, 2020, 124, 118004.	2.9	16
27	Size-dependent elastic modulus of ultrathin polymer films in glassy and rubbery states. Polymer, 2016, 105, 64-71.	1.8	14
28	Nanorheology Mapping by Atomic Force Microscopy. Kobunshi Ronbunshu, 2005, 62, 476-487.	0.2	13
29	Young's Modulus Mapping on Hair Cross-Section by Atomic Force Microscopy. Composite Interfaces, 2009, 16, 1-12.	1.3	12
30	Static structure and dynamical behavior of colloidal liquid crystals consisting of hydroxyapatite-based nanorod hybrids. Soft Matter, 2019, 15, 3315-3322.	1.2	12
31	Energy dissipation <i>via</i> the internal fracture of the silica particle network in inorganic/organic double network ion gels. Soft Matter, 2020, 16, 2363-2370.	1.2	12
32	Structure and Properties of Biodegradable Polymer-Based Blends. Macromolecular Symposia, 2004, 216, 255-264.	0.4	10
33	Recent Development of Nanomechanical Property Measurement. Nihon Reorji Gakkaishi, 2008, 36, 99-106.	0.2	10
34	Reversible Charge/Discharge Reaction of a Ternary Metal Fluoride, Pb_2CuF_6 : A Highly Conductive Cathode Material for Fluoride-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 1002-1009.	2.5	10
35	In-situ measurement of phospholipid nanodisk adhesion on a solid substrate using neutron reflectometry and atomic force microscopy. Physica B: Condensed Matter, 2018, 551, 222-226.	1.3	9
36	Observation of constraint surface dynamics of polystyrene thin films by functionalization of a silsesquioxane cage. Polymer, 2016, 105, 487-499.	1.8	8

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37	Nanomechanical Property Analysis of Polymer Surfaces by Atomic Force Microscopy. Hyomen Kagaku, 2006, 27, 530-534.	0.0	7
38	Development of Quantitative Evaluation Method for Elastic Modulus of Soft-Materials by Atomic Force Microscopy. Journal of the Vacuum Society of Japan, 2013, 56, 258-266.	0.3	7
39	Morphological changes of hydrophobic matrix and hydrophilic ionomers in water-swollen perfluorinated sulfonic acid membranes detected using small-angle X-ray scattering. Polymer, 2019, 180, 121699.	1.8	6
40	Defluorination/fluorination mechanism of Bi _{0.8} Ba _{0.2} F _{2.8} as a fluoride shuttle battery positive electrode. Journal of Electroanalytical Chemistry, 2021, 895, 115508.	1.9	6
41	Evaluation of Mechanical Properties of Carbon Black Reinforced Natural Rubber by Atomic Force Microscopy. Nippon Gomu Kyokaishi, 2006, 79, 509-515.	0.0	5
42	RECENT PROGRESS OF NANO-MECHANICAL MAPPING. Chinese Journal of Polymer Science (English) 2019, 31, 1071-1075.	2.0	5
43	X-ray Total Scattering of Electrolytes in Liquid-Based Fluoride Shuttle Battery: Electrolyte Composition Dependence of the Low-Q Peak. Physica Status Solidi (B): Basic Research, 2020, 257, 2000202.	0.7	4
44	Evaluation of Viscoelastic Properties of Polymeric Materials by Atomic Force Microscopy. Journal of the Japan Society of Colour Material, 2010, 83, 108-114.	0.0	3
45	Novel Viscoelasticity Measurement Method Based on AFM Force Mapping and JKR Analysis. Nippon Gomu Kyokaishi, 2011, 84, 171-175.	0.0	3
46	Viscoelasticity Analysis of Elastomer Blend Using Force Measurements of Atomic Force Microscope. Kobunshi Ronbunshu, 2012, 69, 435-442.	0.2	3
47	Alkaline peroxide treatment induces acquired unruly hair by apparently affecting distinct macrofibrils. Journal of Cosmetic Science, 2013, 64, 261-71.	0.1	3
48	Structural Variation in Carbonate Electrolytes by the Addition of Li Salts Studied by X-ray Total Scattering. Physica Status Solidi (B): Basic Research, 2020, 257, 2000100.	0.7	2
49	Correction of height-fluctuation-induced systematic errors in polymers by AFM-based nanomechanical measurements. Polymer Testing, 2021, 93, 106919.	2.3	1
50	Investigation of Mechanical and Tribological Properties of Polyaniline Brush by Atomic Force Microscopy for Scanning Probe-Based Data Storage. E-Journal of Surface Science and Nanotechnology, 2013, 11, 53-59.	0.1	1
51	Structure and dynamics of polymeric materials in nano-scale. Chinese Journal of Polymer Science (English Edition), 2011, 29, 43-52.	2.0	0
52	Dispersion of Silica Particles in Rubber During Elongation Revealed by Ultra Small Angle X-ray Scattering and Reverse Monte Carlo Modelling. Nippon Gomu Kyokaishi, 2019, 92, 152-157.	0.0	0
53	Conical Paraboloid Transition of the Johnson-Kendall-Roberts-Type Hyperboloidal Contact. Langmuir, 2020, 36, 11284-11291.	1.6	0
54	Evaluation of Surface Properties of Polymeric Materials by Atomic Force Microscopy. Journal of the Japan Society of Colour Material, 2008, 81, 354-360.	0.0	0

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55	Study of Behavior of Supporting Electrolyte Ion of Fluoride Shuttle Battery Using Anomalous X-Ray Scattering. Advanced Energy and Sustainability Research, 0, , 2200020.	2.8	0