

Ken Nakajima

List of Publications by Year in descending order

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139
papers

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citations

94269

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142
all docs

142
docs citations

142
times ranked

5958
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Nanoscale Mechanical Heterogeneity in a Metallic Glass by Dynamic Force Microscopy. <i>Physical Review Letters</i> , 2011, 106, 125504.	2.9	347
2	Dielectrophoretically Aligned Carbon Nanotubes to Control Electrical and Mechanical Properties of Hydrogels to Fabricate Contractile Muscle Myofibers. <i>Advanced Materials</i> , 2013, 25, 4028-4034.	11.1	236
3	Hybrid hydrogels containing vertically aligned carbon nanotubes with anisotropic electrical conductivity for muscle myofiber fabrication. <i>Scientific Reports</i> , 2014, 4, 4271.	1.6	213
4	Intrinsic correlation between $\hat{\rho}^2$ -relaxation and spatial heterogeneity in a metallic glass. <i>Nature Communications</i> , 2016, 7, 11516.	5.8	197
5	High-Resolution STM and XPS Studies of Thiophene Self-Assembled Monolayers on Au(111). <i>Journal of Physical Chemistry B</i> , 2002, 106, 7139-7141.	1.2	160
6	Hybrid hydrogel-aligned carbon nanotube scaffolds to enhance cardiac differentiation of embryoid bodies. <i>Acta Biomaterialia</i> , 2016, 31, 134-143.	4.1	145
7	Ordered networks of rat hippocampal neurons attached to silicon oxide surfaces. <i>Journal of Neuroscience Methods</i> , 2000, 104, 65-75.	1.3	136
8	Interaction of Ga Adsorbates with Dangling Bonds on the Hydrogen Terminated Si(100) Surface. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L1085-L1088.	0.8	130
9	Microfluidic Spinning of Cell-Responsive Grooved Microfibers. <i>Advanced Functional Materials</i> , 2015, 25, 2250-2259.	7.8	130
10	Facile and green production of aqueous graphene dispersions for biomedical applications. <i>Nanoscale</i> , 2015, 7, 6436-6443.	2.8	114
11	Myotube formation on gelatin nanofibers - Multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014, 35, 6268-6277.	5.7	109
12	Multiscale Energy Dissipation Mechanism in Tough and Self-Healing Hydrogels. <i>Physical Review Letters</i> , 2018, 121, 185501.	2.9	104
13	Nanoscope Investigation of the Self-Assembly Processes of Dialkyl Disulfides and Dialkyl Sulfides on Au(111). <i>Journal of Physical Chemistry B</i> , 2000, 104, 7411-7416.	1.2	85
14	Engineered Nanomembranes for Directing Cellular Organization Toward Flexible Biodevices. <i>Nano Letters</i> , 2013, 13, 3185-3192.	4.5	85
15	Nano-palpation AFM and its quantitative mechanical property mapping. <i>Microscopy (Oxford, England)</i> , 2014, 63, 193-208.	0.7	67
16	Gelatin-Polyaniline Composite Nanofibers Enhanced Excitation-Contraction Coupling System Maturation in Myotubes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42444-42458.	4.0	62
17	Nanorheological Mapping of Rubbers by Atomic Force Microscopy. <i>Macromolecules</i> , 2013, 46, 1916-1922.	2.2	61
18	Macro-dipole Interaction of Helical Peptides in a Self-Assembled Monolayer on Gold Substrate. <i>Langmuir</i> , 1998, 14, 6167-6172.	1.6	58

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19	Visualization of nanomechanical mapping on polymer nanocomposites by AFM force measurement. <i>Polymer</i> , 2010, 51, 2455-2459.	1.8	58
20	Nanorheology of Polymer Blends Investigated by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 3850-3854.	0.8	57
21	Electrically regulated differentiation of skeletal muscle cells on ultrathin graphene-based films. <i>RSC Advances</i> , 2014, 4, 9534.	1.7	57
22	Nanorheological Analysis of Polymer Surfaces by Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5425-5429.	0.8	54
23	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
24	Dynamic Measurement of Single Protein's Mechanical Properties. <i>Biochemical and Biophysical Research Communications</i> , 2000, 272, 55-63.	1.0	52
25	Observation of gellan gum by scanning tunneling microscopy. <i>Carbohydrate Polymers</i> , 1996, 30, 77-81.	5.1	51
26	Quantitative Nanomechanical Investigation on Deformation of Poly(lactic acid). <i>Macromolecules</i> , 2012, 45, 8770-8779.	2.2	51
27	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
28	True Surface Topography and Nanomechanical Mapping Measurements on Block Copolymers with Atomic Force Microscopy. <i>Macromolecules</i> , 2010, 43, 3169-3172.	2.2	47
29	New Insights into Morphology of High Performance BHJ Photovoltaics Revealed by High Resolution AFM. <i>Nano Letters</i> , 2014, 14, 5727-5732.	4.5	45
30	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
31	Atomic Force Microscopy Nanomechanics Visualizes Molecular Diffusion and Microstructure at an Interface. <i>ACS Macro Letters</i> , 2013, 2, 757-760.	2.3	44
32	Investigation of True Surface Morphology and Nanomechanical Properties of Poly(styrene- <i>b</i> -ethylene- <i>co</i> -butylene- <i>b</i> -styrene) Using Nanomechanical Mapping: Effects of Composition. <i>Macromolecules</i> , 2010, 43, 9049-9055.	2.2	42
33	Single polymer chain rubber elasticity investigated by atomic force microscopy. <i>Polymer</i> , 2006, 47, 2505-2510.	1.8	41
34	Anisotropic thermal expansion in polypropylene/poly(ethylene-co-octene) binary blends: influence of arrays of elastomer domains. <i>Polymer</i> , 2005, 46, 4899-4908.	1.8	39
35	Investigation of Reactive Polymer-Polymer Interface Using Nanomechanical Mapping. <i>Macromolecules</i> , 2010, 43, 5521-5523.	2.2	39
36	Spatial coordination of cell orientation directed by nanoribbon sheets. <i>Biomaterials</i> , 2015, 53, 86-94.	5.7	39

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37	Graphene induces spontaneous cardiac differentiation in embryoid bodies. <i>Nanoscale</i> , 2016, 8, 7075-7084.	2.8	39
38	Visualization and Quantification of the Chemical and Physical Properties at a Diffusion-Induced Interface Using AFM Nanomechanical Mapping. <i>Macromolecules</i> , 2014, 47, 3761-3765.	2.2	38
39	Two-dimensional electron gas at the Ti-diffused BiFeO ₃ /SrTiO ₃ interface. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	38
40	Viscoelasticity of Inhomogeneous Polymers Characterized by Loss Tangent Measurements Using Atomic Force Microscopy. <i>Macromolecules</i> , 2014, 47, 7971-7977.	2.2	37
41	Direct Mapping of Nanoscale Viscoelastic Dynamics at Nanofiller/Polymer Interfaces. <i>Macromolecules</i> , 2018, 51, 6085-6091.	2.2	37
42	Atomic Force Microscopy of Mechanical Property of Natural Rubber. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5393-5396.	0.8	35
43	Nanorheology measurement on a single polymer chain. <i>Applied Physics Letters</i> , 2002, 81, 724-726.	1.5	34
44	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
45	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
46	Exceptionally high nanoscale wear resistance of a Cu ₄₇ Zr ₄₅ Al ₈ metallic glass with native and artificially grown oxide. <i>Intermetallics</i> , 2018, 93, 312-317.	1.8	31
47	Elastic and viscoelastic characterization of inhomogeneous polymers by bimodal atomic force microscopy. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08NB06.	0.8	30
48	Carbon nanotubes embedded in embryoid bodies direct cardiac differentiation. <i>Biomedical Microdevices</i> , 2017, 19, 57.	1.4	30
49	Dynamic Moduli Mapping of Silica-Filled Styrene-Butadiene Rubber Vulcanizate by Nanorheological Atomic Force Microscopy. <i>Macromolecules</i> , 2019, 52, 311-319.	2.2	29
50	Rectified photocurrent in a protein based molecular photo-diode consisting of a cytochrome b562-green fluorescent protein chimera self-assembled monolayer. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1169-1174.	5.3	28
51	NANOMECHANICS OF THE RUBBER-FILLER INTERFACE. <i>Rubber Chemistry and Technology</i> , 2017, 90, 272-284.	0.6	28
52	Microfluidic Generation of Polydopamine Gradients on Hydrophobic Surfaces. <i>Langmuir</i> , 2014, 30, 832-838.	1.6	27
53	Hydrogels containing metallic glass sub-micron wires for regulating skeletal muscle cell behaviour. <i>Biomaterials Science</i> , 2015, 3, 1449-1458.	2.6	27
54	Liquid Marbles in Nature: Craft of Aphids for Survival. <i>Langmuir</i> , 2019, 35, 6169-6178.	1.6	27

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55	Miscibility in blends of poly(3-hydroxybutyrate) and poly(vinylidene chloride-co-acrylonitrile). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2645-2652.	2.4	26
56	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
57	Dynamic Force Spectroscopy on a Single Polymer Chain. <i>Macromolecules</i> , 2006, 39, 5921-5925.	2.2	24
58	Observation of dynamical heterogeneities and their time evolution on the surface of an amorphous polymer. <i>Soft Matter</i> , 2015, 11, 1425-1433.	1.2	24
59	Fabrication of poly(ethylene glycol) hydrogels containing vertically and horizontally aligned graphene using dielectrophoresis: An experimental and modeling study. <i>Carbon</i> , 2017, 123, 460-470.	5.4	24
60	Nanomechanical Imaging of the Diffusion of Fullerene into Conjugated Polymer. <i>ACS Nano</i> , 2017, 11, 8660-8667.	7.3	24
61	Length scale of mechanical heterogeneity in a glassy polymer determined by atomic force microscopy. <i>Applied Physics Letters</i> , 2012, 100, 251905.	1.5	23
62	A study of the nanoscale and atomic-scale wear resistance of metallic glasses. <i>Materials Letters</i> , 2016, 185, 54-58.	1.3	23
63	Huge reduction of Young's modulus near a shear band in metallic glass. <i>Journal of Alloys and Compounds</i> , 2016, 687, 221-226.	2.8	21
64	Conductive-filler-filled poly(ϵ -caprolactone)/poly(vinyl butyral) blends. II. Electric properties (positive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 P.3 20	1.3	20
65	Observation of thin film of one-dimensional organic conductor tetrathiofulvalene tetracyanoquinodimethane by means of atomic force microscopy. <i>Applied Physics Letters</i> , 1993, 62, 1892-1894.	1.5	19
66	Nanomechanical Mapping on the Deformed Poly(μ -caprolactone). <i>Macromolecules</i> , 2011, 44, 1779-1782.	2.2	19
67	Probing stem cell differentiation using atomic force microscopy. <i>Applied Surface Science</i> , 2016, 366, 254-259.	3.1	18
68	Nanofishing of a Single Polymer Chain: Temperature-Induced Coil-Globule Transition of Poly(<i>N</i> -isopropylacrylamide) Chain in Water. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700394.	1.1	18
69	Nanoscience of single polymer chains revealed by nanofishing. <i>Chemical Record</i> , 2006, 6, 249-258.	2.9	17
70	Study on thermal expansion in injection-molded isotactic polypropylene and thermoplastic elastomer blends. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2930-2943.	1.3	16
71	Nanorheological Investigation of Polymeric Surfaces by Atomic Force Microscopy. <i>Composite Interfaces</i> , 2009, 16, 13-25.	1.3	16
72	Self-assembled porous templates allow pattern transfer to poly(dimethyl siloxane) sheets through surface wrinkling. <i>Polymer Journal</i> , 2012, 44, 573-578.	1.3	16

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73	Effect of Coexisting Covalent Cross-Links on the Properties of Rotaxane-Cross-Linked Polymers. ACS Applied Polymer Materials, 2020, 2, 1061-1064.	2.0	16
74	Direct visualization of a strain-induced dynamic stress network in a SEBS thermoplastic elastomer with in situ AFM nanomechanics. Japanese Journal of Applied Physics, 2020, 59, SN1013.	0.8	16
75	Local Mechanical Properties of Heterogeneous Nanostructures Developed in a Cured Epoxy Network: Implications for Innovative Adhesion Technology. ACS Applied Nano Materials, 2021, 4, 12188-12196.	2.4	16
76	Periodic Surface Undulation in Cholesteric Liquid Crystal Elastomers. Macromolecules, 2016, 49, 9561-9567.	2.2	15
77	Development of Flexible Cell-Loaded Ultrathin Ribbons for Minimally Invasive Delivery of Skeletal Muscle Cells. ACS Biomaterials Science and Engineering, 2017, 3, 579-589.	2.6	15
78	Nanodiamond Glass with Rubber Bond in Natural Rubber. Advanced Functional Materials, 2020, 30, 1909791.	7.8	15
79	Size-dependent elastic modulus of ultrathin polymer films in glassy and rubbery states. Polymer, 2016, 105, 64-71.	1.8	14
80	Adhesion properties of polyacrylic block copolymer pressure-sensitive adhesives and analysis by pulse NMR and AFM force curve. Journal of Applied Polymer Science, 2019, 136, 47791.	1.3	14
81	Conductive-filler-filled poly(ϵ -caprolactone)/poly(vinyl butyral) blends. I. Crystallization behavior and morphology. Journal of Applied Polymer Science, 1997, 64, 797-802.	1.3	13
82	Nanorheology Mapping by Atomic Force Microscopy. Kobunshi Ronbunshu, 2005, 62, 476-487.	0.2	13
83	Young's Modulus Mapping on Hair Cross-Section by Atomic Force Microscopy. Composite Interfaces, 2009, 16, 1-12.	1.3	12
84	Silica Nanoparticle Reinforced Composites as Transparent Elastomeric Damping Materials. ACS Applied Nano Materials, 2021, 4, 4140-4152.	2.4	12
85	Structure and Properties of Biodegradable Polymer-Based Blends. Macromolecular Symposia, 2004, 216, 255-264.	0.4	10
86	Anisotropy in Thermal Expansion in Rubber Toughened Polypropylene "Injection Molded System". Polymer Journal, 2004, 36, 563-566.	1.3	10
87	Nanorheology measurement on single circularly permuted green fluorescent protein molecule. Colloids and Surfaces B: Biointerfaces, 2005, 40, 183-187.	2.5	10
88	Nanotribology on Polymer Blend Surface by Atomic Force Microscopy. Polymer Journal, 2006, 38, 31-36.	1.3	10
89	Investigating the Dynamic Viscoelasticity of Single Polymer Chains using Atomic Force Microscopy. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1736-1743.	2.4	10
90	Segmented polyurethanes containing movable rotaxane units on the main chain: Synthesis, structure, and mechanical properties. Polymer, 2020, 193, 122358.	1.8	10

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91	Topology-transformable block copolymers based on a rotaxane structure: change in bulk properties with same composition. <i>Nature Communications</i> , 2021, 12, 6175.	5.8	10
92	Reinforcement Mechanism of Carbon Black-Filled Rubber Nanocomposite as Revealed by Atomic Force Microscopy Nanomechanics. <i>Polymers</i> , 2021, 13, 3922.	2.0	10
93	Insulating Polymer Blend Organic Thin-Film Transistors Based on Bilayer-Type Alkylated Benzothieno[3,2- <i>b</i>]naphtho[2,3- <i>b</i>]thiophene. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17719-17726.	4.0	10
94	Study of the Mullins Effect in Carbon Black-Filled Styrene-Butadiene Rubber by Atomic Force Microscopy Nanomechanics. <i>Macromolecules</i> , 2022, 55, 6023-6030.	2.2	10
95	Biological Imaging with a Near-Field Optical Setup. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 496-502.	0.9	9
96	Synthesis and Characterization of Aromatic Block Copolyamides by Condensative Chain Polymerization. <i>Chemistry Letters</i> , 2007, 36, 742-743.	0.7	9
97	Two-Dimensional Skyrmion Lattice Formation in a Nematic Liquid Crystal Consisting of Highly Bent Banana Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11552-11556.	7.2	9
98	Mechanical property and structure of a butadiene rubber composite filled with syndiotactic polybutadiene resin. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47934.	1.3	9
99	Model network architectures in vitro on extracellular recording systems using microcontact printing. <i>Synthetic Metals</i> , 2001, 117, 281-283.	2.1	8
100	A Vinylic Rotaxane Cross-Linker Containing Crown Ether for Hydrophilic and Hard Rotaxane-Networked Polymers. <i>Macromolecular Symposia</i> , 2019, 385, 1800186.	0.4	8
101	Entropic and Energetic Elasticities of Natural Rubber with a Nanomatrix Structure. <i>Langmuir</i> , 2020, 36, 11341-11348.	1.6	8
102	Direct Observation of Poly(macromonomer) by Scanning Tunneling Microscopy*1. <i>Japanese Journal of Applied Physics</i> , 1996, 35, 2280-2283.	0.8	7
103	Hybrid Scanning Near-Field Optical/Tunneling Microscopy with Indium-Tin-Oxide/Au Coated Optical Fiber Probe. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 4956-4960.	0.8	7
104	Viscoelastic maps obtained by nanorheological atomic force microscopy with two different driving systems. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08NB08.	0.8	7
105	Analysis of Nanomechanical Properties of Polyethylene Using Molecular Dynamics Simulation. <i>Macromolecules</i> , 2020, 53, 6163-6172.	2.2	7
106	Direct Visualization of Interfacial Regions between Fillers and Matrix in Rubber Composites Observed by Atomic Force Microscopy-Based Nanomechanics Assisted by Electron Tomography. <i>Langmuir</i> , 2022, 38, 777-785.	1.6	7
107	Single-Molecule Force Microscopy of Circularly Permuted Green Fluorescent Protein. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5520-5523.	0.8	6
108	Probing intra-molecular mechanics of single circularly permuted green fluorescent protein with atomic force microscopy. <i>Ultramicroscopy</i> , 2005, 105, 90-95.	0.8	6

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109	Coarse-Grained Molecular Dynamics Study of Styrene- <i>block</i> -isoprene- <i>block</i> -styrene Thermoplastic Elastomer Blends. ACS Applied Polymer Materials, 2022, 4, 2401-2413.	2.0	6
110	Evidence of the Transition from a Flexible to Rigid Percolating Network in Polymer Nanocomposites. Macromolecules, 2022, 55, 2739-2745.	2.2	6
111	Contact-induced stiffening in ultrathin amorphous polystyrene films. Polymer, 2018, 153, 521-528.	1.8	5
112	Novel Light-Illumination Scanning Tunneling Microscopy Equipped with Optical Fiber Probe. Japanese Journal of Applied Physics, 2003, 42, 4861-4865.	0.8	4
113	Coarse-grained Molecular Dynamics Simulation Study of Nanorheology and Nanotribology. Nihon Reoroji Gakkaishi, 2009, 37, 105-111.	0.2	4
114	Preparation of high-performance carbon nanotube/polyamide composite materials by elastic high-shear kneading and improvement of properties by induction heating treatment. Journal of Applied Polymer Science, 2021, 138, 50512.	1.3	4
115	Morphological characterization of the novel fine structure of the PMMA/PVDF blend. Polymer Journal, 2022, 54, 783-792.	1.3	4
116	Study of Initial Stage of Molecular Adsorption on Si(100) by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1996, 35, L1360-L1363.	0.8	3
117	Observation of Reconstructed Structure of Au(111) Deposited on Mica by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 1997, 36, 326-327.	0.8	3
118	In Vitro Monitoring of Live Cardiomyocytes Dynamics by a Scanning Near Field Optical Microscope Setup. Optical Review, 1999, 6, 268-271.	1.2	3
119	Force Spectroscopy on a Single Polymer Chain. Kobunshi Ronbunshu, 2007, 64, 441-451.	0.2	3
120	Real-time morphological observation of isotactic polypropylene and poly(ethylene-co-octene) rubber blend during temperature change. Journal of Applied Polymer Science, 2008, 108, 1857-1864.	1.3	3
121	Pulsed NMR Studies on Long-Term Crystallization Behavior and Melting Process of Natural Rubber under Elongation. Rubber Chemistry and Technology, 2008, 81, 110-120.	0.6	3
122	Viscoelasticity Analysis of Elastomer Blend Using Force Measurements of Atomic Force Microscope. Kobunshi Ronbunshu, 2012, 69, 435-442.	0.2	3
123	Sequential Selective Solvent On-Film Annealing: Fabrication of Monolayers of Ordered Anisotropic Polymer Particles. ACS Applied Materials & Interfaces, 2020, 12, 35731-35739.	4.0	3
124	INFLUENCE OF MASTICATION ON THE MICROSTRUCTURE AND PHYSICAL PROPERTIES OF RUBBER. Rubber Chemistry and Technology, 2021, 94, 533-548.	0.6	3
125	? Determination of spatial resolution of aperture-type near-field scanning optical microscope using a standard sample of quantum-dot embedded polymer film. Journal of the Korean Physical Society, 2010, 56, 1748-1753.	0.3	3
126	Polymer nanotechnology applied to polymeric nano-soft-materials. Journal of Physics: Conference Series, 2009, 184, 012030.	0.3	2

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127	Effect of tip radius on the nanoscale viscoelastic measurement of polymers using loss tangent method in amplitude modulation AFM. Japanese Journal of Applied Physics, 2021, 60, SE1008.	0.8	2
128	Dynamic Moduli Mapping of Rubber Blends by Nanorheological Atomic Force Microscopy. Nihon Reoroji Gakkaishi, 2020, 48, 91-99.	0.2	1
129	Correction of height-fluctuation-induced systematic errors in polymers by AFM-based nanomechanical measurements. Polymer Testing, 2021, 93, 106919.	2.3	1
130	Observation of polyaniline chains by scanning tunneling microscope in air and in liquid. , 1994, , 235-238.		1
131	Dynamic Nanofishing of Single Polymer Chains. Rubber Chemistry and Technology, 2009, 82, 271-282.	0.6	0
132	Standardization of Excitation Efficiency in Near-field Scanning Optical Microscopy. Analytical Sciences, 2011, 27, 139.	0.8	0
133	Structure and dynamics of polymeric materials in nano-scale. Chinese Journal of Polymer Science (English Edition), 2011, 29, 43-52.	2.0	0
134	Length scale of mechanical heterogeneity in a glassy polymer determined by atomic force microscopy. , 2013, , .		0
135	Metallic glass nanofibers in future hydrogel-based scaffolds. , 2014, 2014, 5276-9.		0
136	Cone-Paraboloid Transition of the Johnson-Kendall-Roberts-Type Hyperboloidal Contact. Langmuir, 2020, 36, 11284-11291.	1.6	0
137	Heterogeneous Viscoelasticity under Uniaxial Elongation of Isoprene Rubber Vulcanizate Investigated by Nanorheological Atomic Force Microscope and Dynamic Mechanical Analysis. Nihon Reoroji Gakkaishi, 2020, 48, 85-90.	0.2	0
138	Effect of molecular weight and architecture on nanoscale viscoelastic heterogeneity at the surface of polymer films. Polymer, 2021, 228, 123923.	1.8	0
139	Spatial Distribution of Metal Particles in Dried Metal Paste. Journal of the Japan Society of Colour Material, 2020, 93, 133-137.	0.0	0