

Othmar Marti

List of Publications by Year in descending order

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185
papers

8,454
citations

76294

40
h-index

48277

88
g-index

189
all docs

189
docs citations

189
times ranked

6158
citing authors

#	ARTICLE	IF	CITATIONS
1	Showing differences in viscoelastic properties of cells growing on micropattern by using very long-time high speed microrheology as a new way to measure cell mechanics. , 2022, , .		0
2	Simulation of cell deformation inside a microfluidic channel to identify parameters for mechanical characterization of cells. Journal Physics D: Applied Physics, 2021, 54, 125401.	1.3	4
3	Development and application of a fast optical particle tracker for very long time high-speed microrheology experiments with living cells. , 2021, , .		0
4	Label-free monitoring and manipulation of microfluidic water-in-oil droplets. View, 2020, 1, 20200101.	2.7	12
5	Improved manufacture of hybrid membranes with bionanopore adapters capable of self-luting. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 47-71.	0.7	2
6	Setup and analysis to stretch adherent cells with light. , 2019, , .		1
7	High throughput optical analysis and sorting of cells and particles in microfluidic systems. , 2019, , .		1
8	Enhancement of nonlinear optical response and fluorescence spectra of cationic neutral red by anionic surfactant. Optical and Quantum Electronics, 2018, 50, 1.	1.5	4
9	Nanoporous silicon nitride-based membranes of controlled pore size, shape and areal density: Fabrication as well as electrophoretic and molecular filtering characterization. Beilstein Journal of Nanotechnology, 2018, 9, 1390-1398.	1.5	5
10	Electrochemically-Driven Insertion of Biological Nanodiscs into Solid State Membrane Pores as a Basis for "Pore-In-Pore" Membranes. Nanomaterials, 2018, 8, 237.	1.9	7
11	Optical study of xanthene-type dyes in nano-confined liquid. Journal Physics D: Applied Physics, 2017, 50, 155301.	1.3	18
12	Measurement of nano particle adhesion by atomic force microscopy using probability theory based analysis. Journal Physics D: Applied Physics, 2017, 50, 205301.	1.3	4
13	Measurement of contact angles of microscopic droplets by focal length method. Review of Scientific Instruments, 2017, 88, 083701.	0.6	1
14	Scanning Probe Microscopy " Principle of Operation, Instrumentation and Probes. Springer Handbooks, 2017, , 725-768.	0.3	1
15	Scanning Probe Microscopy"Principle of Operation, Instrumentation, and Probes. , 2017, , 33-93.		7
16	Active multi-point microrheology of cytoskeletal networks. Beilstein Journal of Nanotechnology, 2016, 7, 484-491.	1.5	4
17	Both monovalent cations and plectin are potent modulators of mechanical properties of keratin K8/K18 networks. Soft Matter, 2016, 12, 6964-6974.	1.2	14
18	An external disturbance sensor for ionic polymer metal composite actuators. Smart Materials and Structures, 2016, 25, 015008.	1.8	7

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19	Model-based analysis of keratin intermediate filament assembly. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 375401.	1.3	5
20	Stabilization of self-assembled microdroplets using short chain alcohols. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 709-718.	2.4	3
21	Calcium carbonate crystal growth beneath Langmuir monolayers of acidic β -hairpin peptides. <i>Dalton Transactions</i> , 2014, 43, 16857-16871.	1.6	4
22	Strong dipole-quadrupole coupling and Fano resonance in H-like metallic nanostructures. <i>Optics Express</i> , 2014, 22, 24516.	1.7	17
23	Depletion-induced sphere-cylinder transition in C12E5 microemulsion: a small-angle X-ray scattering study. <i>Molecular Physics</i> , 2014, 112, 1702-1709.	0.8	13
24	Conformation and structural changes of diblock copolymers with octopus-like micelle formation in the presence of external stimuli. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 175301.	1.3	1
25	The mixture of poly(propylene-glycol)-block-poly(ethylene-glycol)-block-PPG with C12E5 microemulsion. <i>Physics and Chemistry of Liquids</i> , 2014, 52, 113-121.	0.4	8
26	The effect of different polymer length on water droplets of reverse AOT microemulsion. <i>Physics and Chemistry of Liquids</i> , 2013, 51, 586-594.	0.4	14
27	Selective Adsorption of Functionalized Nanoparticles to Patterned Polymer Brush Surfaces and Its Probing with an Optical Trap. <i>ChemPhysChem</i> , 2013, 14, 3523-3531.	1.0	7
28	The effect of TBAC on the collective diffusion coefficient and morphology of AOT microemulsion at $X_{C12E5} = 6.7$. <i>Physics and Chemistry of Liquids</i> , 2013, 51, 469-479.	0.4	14
29	Technical Advance: Inhibition of neutrophil chemotaxis by colchicine is modulated through viscoelastic properties of subcellular compartments. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1091-1096.	1.5	76
30	Microrheology of keratin networks in cancer cells. <i>Physical Biology</i> , 2013, 10, 065008.	0.8	6
31	Light Scattering and SAXS Study of AOT Microemulsion at Low Size Droplet. <i>Soft Nanoscience Letters</i> , 2012, 02, 8-12.	0.8	18
32	Properties of Intermediate Filament Networks Assembled from Keratin 8 and 18 in the Presence of Mg^{2+} . <i>Biophysical Journal</i> , 2012, 103, 195-201.	0.2	34
33	The effect of simultaneous size reduction and transient network formation on the dynamics of microemulsions. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 365302.	1.3	14
34	Surface-Enhanced Raman Spectroscopy of Dye and Thiol Molecules Adsorbed on Triangular Silver Nanostructures: A Study of Near-Field Enhancement, Localization of Hot-Spots, and Passivation of Adsorbed Carbonaceous Species. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-15.	1.5	15
35	Coatings from micropatterned sulfobetaine polymer brushes as substrates for MC3T3-E1 cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 573-579.	1.7	5
36	The Modeling and Study of Depletion Interaction at mixture of C<sub>12</sub>E<sub>5</sub> Microemulsion with Polyethylene Glycol Polymer. <i>Soft Nanoscience Letters</i> , 2012, 02, 71-76.	0.8	3

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37	Amorphous and crystalline calcium carbonate distribution in the tergite cuticle of moulting <i>Porcellio scaber</i> (Isopoda, Crustacea). <i>Journal of Structural Biology</i> , 2011, 175, 10-20.	1.3	46
38	Plasmonic nanostructures fabricated using nanosphere-lithography, soft-lithography and plasma etching. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 448-458.	1.5	20
39	3D characterization of microstructured poly(methacrylic acid) thin films via Mach-Zehnder interference microscopy. <i>Thin Solid Films</i> , 2011, 519, 8100-8108.	0.8	3
40	Laser Fabrication of Large-Scale Nanoparticle Arrays for Sensing Applications. <i>ACS Nano</i> , 2011, 5, 4843-4849.	7.3	224
41	The effect of different stabilizers on the formation of self-assembled porous film via the breath-figure technique. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1430-1436.	2.4	17
42	Femtosecond laser fabrication of functional nanoparticle structures and their applications. , 2011, , .		0
43	Topographic patterning by voltage-assisted tribocharging of a polymer. <i>Journal of Applied Physics</i> , 2011, 109, 124312.	1.1	0
44	Scanning Probe Microscopy – Principle of Operation, Instrumentation, and Probes. , 2011, , 37-110.		14
45	Multilayered CaCO ₃ /block-copolymer materials via amorphous precursor to crystal transformation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 279-283.	2.3	24
46	Simulating and evaluating small-angle X-ray scattering of micro-voids in polypropylene during mechanical deformation. <i>Journal of Applied Crystallography</i> , 2010, 43, 603-610.	1.9	33
47	New laser apparatus to measure oscillation amplitude down to picometer at megahertz frequencies. <i>Review of Scientific Instruments</i> , 2010, 81, 035116.	0.6	0
48	Influence of the roughness of metal templates on surface enhanced Raman scattering. , 2010, , .		1
49	Small-Angle X-ray Scattering on Melt-Spun Polypropylene Fibers: Modeling and Data Reduction. <i>Macromolecules</i> , 2010, 43, 5009-5015.	2.2	12
50	Scanning Probe Microscopy – Principle of Operation, Instrumentation, and Probes. , 2010, , 573-617.		22
51	Stress-induced changes in microstructure of a low-crystalline polypropylene investigated at uniaxial stretching. <i>Journal of Applied Polymer Science</i> , 2009, 112, 188-199.	1.3	13
52	Usage of polymer brushes as substrates of bone cells. <i>Frontiers of Materials Science in China</i> , 2009, 3, 132-144.	0.5	8
53	Ultrastructure and mineral distribution in the tergal cuticle of the terrestrial isopod <i>Titanethes albus</i> . Adaptations to a karst cave biotope. <i>Journal of Structural Biology</i> , 2009, 168, 426-436.	1.3	56
54	Influence of the overlap parameter on the convergence of the ptychographical iterative engine. <i>Ultramicroscopy</i> , 2008, 108, 481-487.	0.8	243

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55	Big Business und Big Bang. Berufs- und StudienfÃ¼hrer Physik. Von M. Rauner und S. Jorda.. Physik in Unserer Zeit, 2008, 39, 255-255.	0.0	0
56	Influence of the lightâ€scattering form factor on the Bragg diffraction patterns of arrays of metallic nanoparticles. Journal of Microscopy, 2008, 229, 475-482.	0.8	6
57	Measuring the nanomechanical properties of cancer cells by digital pulsed force mode imaging. Nanotechnology, 2008, 19, 384015.	1.3	18
58	Spatial distribution of calcite and amorphous calcium carbonate in the cuticle of the terrestrial crustaceans Porcellio scaber and Armadillidium vulgare. Journal of Structural Biology, 2008, 163, 100-108.	1.3	102
59	SERS observed in periodic metallo-dielectric nanostructures fabricated using coated colloidal crystals. , 2008, , .		1
60	High resolution vacuum scanning thermal microscopy of HfO2 and SiO2. Applied Physics Letters, 2008, 92, .	1.5	77
61	Ptychography & lensless X-ray imaging. Europhysics News, 2008, 39, 22-24.	0.1	19
62	Quantitative Measurement of Materials Properties with the (Digital) Pulsed Force Mode. , 2008, , 23-54.		3
63	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2008, , 37-110.		2
64	Topology and nanomechanics of polyethylene networks. Nanotechnology, 2007, 18, 044013.	1.3	1
65	Scattering of light at micro- and nanostructures of triangular shape. , 2007, , .		0
66	Bio-sensing based on plasmon-coupling caused by rotated sub-micrometer gratings in metal-dielectric interfacial layers. , 2007, , .		0
67	Local nanomechanical properties of HeLa-cell surfaces. Journal of Physics: Conference Series, 2007, 61, 780-784.	0.3	5
68	Towards quantitative materials characterization with Digital Pulsed Force Mode imaging. Journal of Physics: Conference Series, 2007, 61, 346-351.	0.3	13
69	New Nickel(II) Diimine Complexes and the Control of Polyethylene Microstructure by Catalyst Design. Journal of the American Chemical Society, 2007, 129, 9182-9191.	6.6	253
70	Investigations of the light scattering structure factor of metallic nanostructures using Bragg diffraction. Journal of Optics, 2007, 9, S443-S449.	1.5	1
71	Conformational Behaviour of Comb-Like Poly(4-vinylpyridinium) Salts and their Complexes with Surfactants in Solution and on a Flat Surface. Macromolecular Chemistry and Physics, 2007, 208, 164-174.	1.1	13
72	Coupled surface plasmon resonance on bimetallic films covered by sub-micrometer polymer gratings. Organic Electronics, 2007, 8, 148-160.	1.4	8

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73	Mechanical and temperature dependant properties, structure and phase transitions of elastic polypropylenes. European Polymer Journal, 2007, 43, 634-643.	2.6	21
74	Orientation of the $\hat{1}\pm$ - and $\hat{1}^3$ -modification of elastic polypropylene at uniaxial stretching. European Polymer Journal, 2007, 43, 3573-3586.	2.6	17
75	Micromechanical properties of tobacco mosaic viruses. Journal of Microscopy, 2007, 225, 264-268.	0.8	28
76	Comparative study of sub-micrometer polymeric structures: Dot-arrays, linear and crossed gratings generated by UV laser based two-beam interference, as surfaces for SPR and AFM based bio-sensing. Applied Surface Science, 2007, 254, 1194-1205.	3.1	6
77	Scanning Probe Microscopy " Principle of Operation, Instrumentation, and Probes. , 2007, , 591-636.		6
78	Pulsed Force Mode SFM. , 2006, , 208-249.		1
79	Surface plasmon resonance spectroscopy on rotated sub-micrometer polymer gratings generated by UV-laser based two-beam interference. Applied Surface Science, 2006, 252, 4773-4780.	3.1	6
80	Application possibilities and chemical origin of sub-micrometer adhesion modulation on polymer gratings produced by UV laser illumination. Materials Science and Engineering C, 2006, 26, 1056-1062.	3.8	4
81	Digital Pulsed Force Mode. Imaging & Microscopy, 2006, 8, 37-38.	0.1	3
82	Imaging bandwidth of the tapping mode atomic force microscope probe. Physical Review B, 2006, 73, .	1.1	29
83	Sub-micrometer adhesion modulation on polymer surfaces containing gratings produced by two-beam interference. Materials Science and Engineering C, 2005, 25, 813-819.	3.8	7
84	Effect of sub-micrometer polymer gratings generated by two-beam interference on surface plasmon resonance. Applied Surface Science, 2005, 247, 477-485.	3.1	2
85	Scanning Probe Microscopy " Principle of Operation, Instrumentation, and Probes. , 2005, , 41-115.		6
86	Investigation of incubation in ArF excimer laser irradiated poly(methyl-methacrylate) using pulsed force mode atomic force microscopy. Journal of Applied Physics, 2004, 96, 5548-5551.	1.1	7
87	Adhesive and morphological characteristics of surface chemically modified polytetrafluoroethylene films. Applied Surface Science, 2004, 221, 437-443.	3.1	22
88	The role of original surface roughness in laser-induced periodic surface structure formation process on poly-carbonate films. Thin Solid Films, 2004, 453-454, 114-120.	0.8	27
89	Investigation of pulsed laser deposited crystalline PTFE thin layer with pulsed force mode AFM. Thin Solid Films, 2004, 453-454, 239-244.	0.8	13
90	Temperature dependent nano indentation of thin polymer films with the scanning force microscope. European Polymer Journal, 2004, 40, 957-964.	2.6	35

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91	Effects of the chain microstructure on the properties of polyketones terpolymers characterized by scanning force microscopy. <i>European Polymer Journal</i> , 2004, 40, 905-916.	2.6	7
92	Water-Soluble Terpolymer-Mediated Calcium Carbonate Crystal Modification. <i>Langmuir</i> , 2004, 20, 3123-3128.	1.6	32
93	Scanning Probe Microscopy – Principle of Operation, Instrumentation, and Probes. , 2004, , 325-369.		4
94	Scanning Probe Microscopy – Principle of Operation, Instrumentation, and Probe. , 2004, , 325-369.		0
95	The existence of sub-micrometer micromechanical modulation generated by polarized UV laser illumination on polymer surfaces. <i>Materials Science and Engineering C</i> , 2003, 23, 939-944.	3.8	13
96	Attenuated total reflection measurements on poly-carbonate surfaces structured by laser illumination. <i>Applied Surface Science</i> , 2003, 208-209, 474-480.	3.1	15
97	Experimental observation of the scattering of light by planar metallic nanoparticles. <i>New Journal of Physics</i> , 2003, 5, 160-160.	1.2	13
98	Influence of protective layers on the blinking of fluorescent single molecules observed by confocal microscopy and scanning near field optical microscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 866-871.	1.2	25
99	Thermally activated ferroelectric domain growth due to random defects. <i>Physical Review B</i> , 2001, 63, .	1.1	40
100	Laser-induced periodic surface structures on different poly-carbonate films. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 521-526.	1.1	42
101	Dynamic friction measurements with an atomic force microscope on polymer surfaces. <i>Journal of Synthetic Lubrication: Research, Development and Application of Synthetic Lubricants and Functional Fluids</i> , 2001, 18, 1-15.	0.7	1
102	Multicolor images acquisition by scanning near-field optical microscopy. <i>Journal of Applied Physics</i> , 2001, 90, 4820-4824.	1.1	2
103	Shear-force distance control at megahertz frequencies for near-field scanning optical microscopy. <i>Review of Scientific Instruments</i> , 2001, 72, 4178-4182.	0.6	8
104	Lock-in technique for concurrent measurement of adhesion and friction with the scanning force microscope. <i>Review of Scientific Instruments</i> , 2001, 72, 150-156.	0.6	12
105	Dynamic Friction Measurement with the Scanning Force Microscope. , 2001, , 121-135.		15
106	Micro/Nanotribology. <i>Mechanics & Materials Science</i> , 2000, , .	0.1	24
107	Mechanisms in embedded selective epitaxy and overgrowth of an integrated laser/modulator quantum well structure using MOMBE and MOVPE. <i>Materials Research Society Symposia Proceedings</i> , 2000, 648, 1.	0.1	0
108	Comparison of structural and optical properties in strained GaInAsP MQW structures grown by MOVPE and MOMBE. <i>Journal of Crystal Growth</i> , 2000, 209, 424-430.	0.7	6

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109	Near-field scanning optical microscopy of zinc-porphyrin crystals. <i>Ultramicroscopy</i> , 2000, 84, 149-157.	0.8	4
110	Formation of Stable Singularities in Mixed Monolayers of Porphyrins and Tetracosanoic Acid upon SFM Tapping. <i>Langmuir</i> , 2000, 16, 1299-1305.	1.6	6
111	Concurrent measurement of adhesive and elastic surface properties with a new modulation technique for scanning force microscopy. <i>Review of Scientific Instruments</i> , 2000, 71, 2765-2771.	0.6	31
112	Modulated shear force distance control in near-field scanning optical microscopy. <i>Review of Scientific Instruments</i> , 2000, 71, 1466-1471.	0.6	12
113	Method to produce high-resolution scanning near-field optical microscope probes by beveling optical fibers. <i>Review of Scientific Instruments</i> , 2000, 71, 3118-3122.	0.6	37
114	Combined dynamic adhesion and friction measurement with the scanning force microscope. <i>Applied Physics Letters</i> , 2000, 77, 3857-3859.	1.5	15
115	Theoretical investigation of the distance dependence of capillary and van der Waals forces in scanning force microscopy. <i>Physical Review B</i> , 2000, 62, 13667-13673.	1.1	222
116	Measurement of Adhesion and Pull-Off Forces with the AFM. <i>Mechanics & Materials Science</i> , 2000, , .	0.1	3
117	Temperature-Dependent Surface Properties of Thin Polystyrene Films Determined by Scanning Force Microscopy. <i>ACS Symposium Series</i> , 1999, , 212-226.	0.5	0
118	Influence of environmental conditions on shear force distance control in near-field optical microscopy. <i>Journal of Applied Physics</i> , 1999, 86, 7100-7106.	1.1	43
119	Scanning probe microscopy of heterogeneous polymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 154, 65-73.	2.3	40
120	Pulsed force mode: a new method for the investigation of surface properties. <i>Surface and Interface Analysis</i> , 1999, 27, 336-340.	0.8	156
121	Dynamic friction force measurement with the scanning force microscope. <i>Surface and Interface Analysis</i> , 1999, 27, 341-347.	0.8	36
122	Pulsed force mode: a new method for the investigation of surface properties. , 1999, 27, 336.		3
123	Surface charge mapping of solid surfaces in water by pulsed-force-mode atomic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S349-S352.	1.1	33
124	Influence of the topography on adhesion measured by SFM. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S597-S605.	1.1	39
125	Relaxation of polymer molecules in networks – the extended aggregate model. <i>Computational and Theoretical Polymer Science</i> , 1998, 8, 99-111.	1.1	3
126	Piezoelectrical shear-force distance control in near-field optical microscopy for biological applications. <i>Ultramicroscopy</i> , 1998, 71, 143-147.	0.8	20

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127	Synthesis and Behavior of the Polymer Covering on a Solid Surface. 3. Morphology and Mechanism of Formation of Grafted Polystyrene Layers on the Glass Surface. <i>Macromolecules</i> , 1998, 31, 3945-3952.	2.2	48
128	Near-field luminescence measurements on GaInAsP/InP double heterostructures at room temperature. <i>Applied Optics</i> , 1998, 37, 106.	2.1	2
129	Spatially resolved near-field spectroscopy on localized GaInAsP/InP double heterostructures. <i>Journal of Applied Physics</i> , 1998, 83, 870-876.	1.1	7
130	Micromachined aperture probe for combined atomic force and near-field scanning optical microscopy (AFM/NSOM)., 1998, 3512, 76.		0
131	AFM Instrumentation and Tips. , 1998, , .		7
132	Frictional Force between a Sharp Asperity and a Surface Step. <i>Physical Review Letters</i> , 1997, 79, 5066-5069.	2.9	53
133	Micromachined aperture probe tip for multifunctional scanning probe microscopy. <i>Applied Physics Letters</i> , 1997, 70, 1236-1238.	1.5	58
134	Distance control in near-field optical microscopy with piezoelectrical shear-force detection suitable for imaging in liquids. <i>Review of Scientific Instruments</i> , 1997, 68, 1769-1772.	0.6	89
135	Piezoelectrical shear-force control on soft biological samples in aqueous solution. <i>Applied Physics Letters</i> , 1997, 71, 3628-3630.	1.5	23
136	<title>Micromachined aperture probe tip for multifunctional scanning probe microscopy</title>. , 1997, 3099, 248.		1
137	Tapping Scanning Force Microscopy in AirTheory and Experiment. <i>Langmuir</i> , 1997, 13, 4699-4703.	1.6	52
138	Mapping of electrical double-layer force between tip and sample surfaces in water with pulsed-force-mode atomic force microscopy. <i>Applied Physics Letters</i> , 1997, 71, 2632-2634.	1.5	99
139	The simultaneous measurement of elastic, electrostatic and adhesive properties by scanning force microscopy: pulsed-force mode operation. <i>Measurement Science and Technology</i> , 1997, 8, 1333-1338.	1.4	290
140	Nanomechanical Interactions of Scanning Force Microscope Tips with Polymer Surfaces. , 1997, , 455-465.		4
141	Instrumentation for Scanning Force Microscopy and Friction Force Microscopy. , 1997, , 17-34.		0
142	Energy dissipation in scanning force microscopy-friction on an atomic scale. <i>Tribology Letters</i> , 1996, 2, 327-343.	1.2	30
143	Imaging material properties by resonant tapping-force microscopy: A model investigation. <i>Physical Review B</i> , 1996, 54, 8908-8912.	1.1	136
144	Spectrally resolved near-field mode imaging of vertical cavity semiconductor lasers. <i>Journal of Applied Physics</i> , 1996, 79, 3831.	1.1	34

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145	An easy-to-use non-optical shear force distance control for near-field optical microscopes. Review of Scientific Instruments, 1996, 67, 1912-1916.	0.6	72
146	Friction studies at steps with friction force microscopy. Surface and Interface Analysis, 1995, 23, 428-430.	0.8	21
147	Transient Wetting and 2D Spinodal Decomposition in a Binary Polymer Blend. Europhysics Letters, 1995, 29, 353-358.	0.7	70
148	Forces affecting the substrate in resonant tapping force microscopy. Nanotechnology, 1995, 6, 40-44.	1.3	134
149	High-Resolution Imaging of Polymer Surfaces with Chemical Sensitivity. Macromolecules, 1995, 28, 260-263.	2.2	49
150	Scanning Probe Microscopy Instrumentation. , 1995, , 15-34.		6
151	Atomic-Scale Resolution on the MgO(100) Surface by Scanning Force and Friction Microscopy. Europhysics Letters, 1994, 26, 659-663.	0.7	30
152	Optical near-field imaging with a semiconductor probe tip. Applied Physics Letters, 1994, 64, 2338-2340.	1.5	37
153	Aspects of the surface roughness of ceramic bonding tools on a nanometer scale investigated with atomic force microscopy. Thin Solid Films, 1994, 253, 308-310.	0.8	23
154	Reflection-scanning near-field optical microscopy and spectroscopy of opaque samples. Applied Physics A: Solids and Surfaces, 1994, 59, 103-108.	1.4	51
155	Friction and measurement of friction on a nanometer scale. Surface and Coatings Technology, 1993, 62, 510-516.	2.2	14
156	Atomic-scale tribometer for friction studies in a controlled atmosphere. Surface and Coatings Technology, 1993, 62, 523-528.	2.2	29
157	Near-field optical measurement of the surface plasmon field. Optics Communications, 1993, 96, 225-228.	1.0	80
158	Regulation of a microcantilever response by force feedback. Applied Physics Letters, 1993, 62, 2344-2346.	1.5	240
159	Friction force measurements on potential controlled graphite in an electrolytic environment. Nanotechnology, 1993, 4, 59-63.	1.3	48
160	Nanotribology: Friction on a nanometer scale. Physica Scripta, 1993, T49B, 599-604.	1.2	32
161	Scanning probe microscopy: applications in biology and physics. Microscopy Microanalysis Microstructures, 1993, 4, 429-440.	0.4	4
162	Investigation of the Na,K-ATPase by SFM. , 1993, , 275-308.		2

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163	Reibungsmikroskopie. Physik Journal, 1992, 48, 1007-1009.	0.1	5
164	Scanning force microscopy of diatom shells. Ultramicroscopy, 1992, 42-44, 329-332.	0.8	16
165	Mechanical and thermal effects of laser irradiation on force microscope cantilevers. Ultramicroscopy, 1992, 42-44, 345-350.	0.8	93
166	Na, K-ATPase in crystalline form investigated by scanning force microscopy. Ultramicroscopy, 1992, 42-44, 1133-1140.	0.8	11
167	A stand-alone scanning force and friction microscope. Ultramicroscopy, 1992, 42-44, 1498-1503.	0.8	40
168	Palladium clusters on mica: A study by scanning force microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1991, 9, 794.	1.6	28
169	Combined scanning force and friction microscopy of mica. Nanotechnology, 1990, 1, 141-144.	1.3	307
170	The scanning ion-conductance microscope. Science, 1989, 243, 641-643.	6.0	760
171	An atomic-resolution atomic force microscope implemented using an optical lever. Journal of Applied Physics, 1989, 65, 164-167.	1.1	594
172	Molecular resolution images of amino acid crystals with the atomic force microscope. Nature, 1988, 332, 332-334.	13.7	132
173	Scanning tunneling microscopy and atomic force microscopy: application to biology and technology. Science, 1988, 242, 209-216.	6.0	648
174	Scanning probe microscopy of biological samples and other surfaces. Journal of Microscopy, 1988, 152, 803-809.	0.8	34
175	Atomic resolution atomic force microscopy of graphite and the native oxide™™ on silicon. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 287-290.	0.9	66
176	Tunneling microscopy, lithography, and surface diffusion on an easily prepared, atomically flat gold surface. Journal of Applied Physics, 1988, 63, 717-721.	1.1	137
177	Control electronics for atomic force microscopy. Review of Scientific Instruments, 1988, 59, 836-839.	0.6	21
178	Atomic force microscopy and scanning tunneling microscopy with a combination atomic force microscope/scanning tunneling microscope. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 2089-2092.	0.9	13
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