Othmar Marti

List of Publications by Year
in descending order

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185	8,454	76196	48187
papers	citations	40 h-index	88 g-index

189	189	189	6158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The scanning ion-conductance microscope. Science, 1989, 243, 641-643.	6.0	760
2	Scanning tunneling microscopy and atomic force microscopy: application to biology and technology. Science, 1988, 242, 209-216.	6.0	648
3	An atomicâ€resolution atomicâ€force microscope implemented using an optical lever. Journal of Applied Physics, 1989, 65, 164-167.	1.1	594
4	Combined scanning force and friction microscopy of mica. Nanotechnology, 1990, 1, 141-144.	1.3	307
5	The simultaneous measurement of elastic, electrostatic and adhesive properties by scanning force microscopy: pulsed-force mode operation. Measurement Science and Technology, 1997, 8, 1333-1338.	1.4	290
6	Atomic force microscopy of liquidâ€covered surfaces: Atomic resolution images. Applied Physics Letters, 1987, 51, 484-486.	1.5	284
7	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
8	Scanning tunneling microscope combined with a scanning electron microscope. Review of Scientific Instruments, 1986, 57, 221-224.	0.6	243
9	Influence of the overlap parameter on the convergence of the ptychographical iterative engine. Ultramicroscopy, 2008, 108, 481-487.	0.8	243
10	Regulation of a microcantilever response by force feedback. Applied Physics Letters, 1993, 62, 2344-2346.	1.5	240
11	Laser Fabrication of Large-Scale Nanoparticle Arrays for Sensing Applications. ACS Nano, 2011, 5, 4843-4849.	7.3	224
12	Theoretical investigation of the distance dependence of capillary and van der Waals forces in scanning force microscopy. Physical Review B, 2000, 62, 13667-13673.	1.1	222
13	Atomic force microscopy of an organic monolayer. Science, 1988, 239, 50-52.	6.0	164
14	Pulsed force mode: a new method for the investigation of surface properties. Surface and Interface Analysis, 1999, 27, 336-340.	0.8	156
15	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
16	Imaging material properties by resonant tapping-force microscopy: A model investigation. Physical Review B, 1996, 54, 8908-8912.	1.1	136
17	Forces affecting the substrate in resonant tapping force microscopy. Nanotechnology, 1995, 6, 40-44.	1.3	134
18	Molecular resolution images of amino acid crystals with the atomic force microscope. Nature, 1988, 332, 332-334.	13.7	132

#	Article	IF	Citations
19	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
20	Mapping of electrical double-layer force between tip and sample surfaces in water with pulsed-force-mode atomic force microscopy. Applied Physics Letters, 1997, 71, 2632-2634.	1.5	99
21	Mechanical and thermal effects of laser irradiation on force microscope cantilevers. Ultramicroscopy, 1992, 42-44, 345-350.	0.8	93
22	Distance control in near-field optical microscopy with piezoelectrical shear-force detection suitable for imaging in liquids. Review of Scientific Instruments, 1997, 68, 1769-1772.	0.6	89
23	Near-field optical measurement of the surface plasmon field. Optics Communications, 1993, 96, 225-228.	1.0	80
24	High resolution vacuum scanning thermal microscopy of HfO2 and SiO2. Applied Physics Letters, 2008, 92, .	1.5	77
25	Technical Advance: Inhibition of neutrophil chemotaxis by colchicine is modulated through viscoelastic properties of subcellular compartments. Journal of Leukocyte Biology, 2013, 94, 1091-1096.	1.5	76
26	An easyâ€toâ€use nonâ€optical shearâ€force distance control for nearâ€field optical microscopes. Review of Scientific Instruments, 1996, 67, 1912-1916.	0.6	72
27	Transient Wetting and 2D Spinodal Decomposition in a Binary Polymer Blend. Europhysics Letters, 1995, 29, 353-358.	0.7	70
28	Atomic resolution atomic force microscopy of graphite and the â€˜â€˜native oxideâ€™â€™ on silicon. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 287-290.	0.9	66
29	Micromachined aperture probe tip for multifunctional scanning probe microscopy. Applied Physics Letters, 1997, 70, 1236-1238.	1.5	58
30	Ultrastructure and mineral distribution in the tergal cuticle of the terrestrial isopod Titanethes albus. Adaptations to a karst cave biotope. Journal of Structural Biology, 2009, 168, 426-436.	1.3	56
31	Restoration of scanning-tunneling-microscope data blurred by limited resolution, and hampered by -like noise. Surface Science, 1987, 181, 222-229.	0.8	54
32	Frictional Force between a Sharp Asperity and a Surface Step. Physical Review Letters, 1997, 79, 5066-5069.	2.9	53
33	Tapping Scanning Force Microscopy in AirTheory and Experiment. Langmuir, 1997, 13, 4699-4703.	1.6	52
34	Reflection-scanning near-field optical microscopy and spectroscopy of opaque samples. Applied Physics A: Solids and Surfaces, 1994, 59, 103-108.	1.4	51
35	Low temperature thermal conductivity of CeAl3. Solid State Communications, 1984, 49, 1129-1131.	0.9	50
36	High-Resolution Imaging of Polymer Surfaces with Chemical Sensitivity. Macromolecules, 1995, 28, 260-263.	2.2	49

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37	Friction force measurements on potential controlled graphite in an electrolytic environment. Nanotechnology, 1993, 4, 59-63.	1.3	48
38	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. Macromolecules, 1998, 31, 3945-3952.	2.2	48
39	Amorphous and crystalline calcium carbonate distribution in the tergite cuticle of moulting Porcellio scaber (Isopoda, Crustacea). Journal of Structural Biology, 2011, 175, 10-20.	1.3	46
40	Influence of environmental conditions on shearâ€“force distance control in near-field optical microscopy. Journal of Applied Physics, 1999, 86, 7100-7106.	1.1	43
41	Laser-induced periodic surface structures on different poly-carbonate films. Applied Physics A: Materials Science and Processing, 2001, 73, 521-526.	1.1	42
42	A stand-alone scanning force and friction microscope. Ultramicroscopy, 1992, 42-44, 1498-1503.	0.8	40
43	Scanning probe microscopy of heterogeneous polymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 154, 65-73.	2.3	40
44	Thermally activated ferroelectric domain growth due to random defects. Physical Review B, 2001, 63, .	1.1	40
45	Influence of the topography on adhesion measured by SFM. Applied Physics A: Materials Science and Processing, 1998, 66, S597-S605.	1.1	39
46	Optical nearâ€field imaging with a semiconductor probe tip. Applied Physics Letters, 1994, 64, 2338-2340.	1.5	37
47	Method to produce high-resolution scanning near-field optical microscope probes by beveling optical fibers. Review of Scientific Instruments, 2000, 71, 3118-3122.	0.6	37
48	Dynamic friction force measurement with the scanning force microscope. Surface and Interface Analysis, 1999, 27, 341-347.	0.8	36
49	Temperature dependent nano indentation of thin polymer films with the scanning force microscope. European Polymer Journal, 2004, 40, 957-964.	2.6	35
50	Scanning probe microscopy of biological samples and other surfaces. Journal of Microscopy, 1988, 152, 803-809.	0.8	34
51	Scanning tunneling microscopy and atomic force microscopy of the liquidâ€“solid interface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 283-286.	0.9	34
52	Spectrally resolved near-field mode imaging of vertical cavity semiconductor lasers. Journal of Applied Physics, 1996, 79, 3831.	1.1	34
53	Properties of Intermediate Filament Networks Assembled from Keratin 8 and 18 in the Presence of Mg2+. Biophysical Journal, 2012, 103, 195-201.	0.2	34
54	Surface charge mapping of solid surfaces in water by pulsed-force-mode atomic force microscopy. Applied Physics A: Materials Science and Processing, 1998, 66, S349-S352.	1.1	33

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55	Simulating and evaluating small-angle X-ray scattering of micro-voids in polypropylene during mechanical deformation. Journal of Applied Crystallography, 2010, 43, 603-610.	1.9	33
56	Nanotribology: Friction on a nanometer scale. Physica Scripta, 1993, T49B, 599-604.	1.2	32
57	Water-Soluble Terpolymer-Mediated Calcium Carbonate Crystal Modification. Langmuir, 2004, 20, 3123-3128.	1.6	32
58	Concurrent measurement of adhesive and elastic surface properties with a new modulation technique for scanning force microscopy. Review of Scientific Instruments, 2000, 71, 2765-2771.	0.6	31
59	Atomic-Scale Resolution on the MgO(100) Surface by Scanning Force and Friction Microscopy. Europhysics Letters, 1994, 26, 659-663.	0.7	30
60	Energy dissipation in scanning force microscopy-friction on an atomic scale. Tribology Letters, 1996, 2, 327-343.	1.2	30
61	Atomic-scale tribometer for friction studies in a controlled atmosphere. Surface and Coatings Technology, 1993, 62, 523-528.	2.2	29
62	Imaging bandwidth of the tapping mode atomic force microscope probe. Physical Review B, 2006, 73, .	1.1	29
63	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
64	Micromechanical properties of tobacco mosaic viruses. Journal of Microscopy, 2007, 225, 264-268.	0.8	28
65	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
66	Influence of protective layers on the blinking of fluorescent single molecules observed by confocal microscopy and scanning near field optical microscopy. Journal of Chemical Physics, 2002, 117, 866-871.	1.2	25
67	Micro/Nanotribology. Mechanics & Materials Science, 2000, , .	0.1	24
68	Multilayered CaCO3/block-copolymer materials via amorphous precursor to crystal transformation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 279-283.	2.3	24
69	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
70	Piezoelectrical shear-force control on soft biological samples in aqueous solution. Applied Physics Letters, 1997, 71, 3628-3630.	1.5	23
71	Adhesive and morphological characteristics of surface chemically modified polytetrafluoroethylene films. Applied Surface Science, 2004, 221, 437-443.	3.1	22
72	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2010, , 573-617.		22

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73	Low-temperature scanning tunneling microscope. Surface Science, 1987, 181, 230-234.	0.8	21
74	Control electronics for atomic force microscopy. Review of Scientific Instruments, 1988, 59, 836-839.	0.6	21
75	Friction studies at steps with friction force microscopy. Surface and Interface Analysis, 1995, 23, 428-430.	0.8	21
76	Mechanical and temperature dependant properties, structure and phase transitions of elastic polypropylenes. European Polymer Journal, 2007, 43, 634-643.	2.6	21
77	Piezoelectrical shear-force distance control in near-field optical microscopy for biological applications. Ultramicroscopy, 1998, 71, 143-147.	0.8	20
78	Plasmonic nanostructures fabricated using nanosphere-lithography, soft-lithography and plasma etching. Beilstein Journal of Nanotechnology, 2011, 2, 448-458.	1.5	20
79	Ptychography & lensless X-ray imaging. Europhysics News, 2008, 39, 22-24.	0.1	19
80	Measuring the nanomechanical properties of cancer cells by digital pulsed force mode imaging. Nanotechnology, 2008, 19, 384015.	1.3	18
81	Light Scattering and SAXS Study of AOT Microemulsion at Low Size Droplet. Soft Nanoscience Letters, 2012, 02, 8-12.	0.8	18
82	Optical study of xanthene-type dyes in nano-confined liquid. Journal Physics D: Applied Physics, 2017, 50, 155301.	1.3	18
83	Orientation of the Î±- and Î³-modification of elastic polypropylene at uniaxial stretching. European Polymer Journal, 2007, 43, 3573-3586.	2.6	17
84	The effect of different stabilizers on the formation of selfâ€assembled porous film via the breathâ€figure technique. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1430-1436.	2.4	17
85	Strong dipole-quadrupole coupling and Fano resonance in H-like metallic nanostructures. Optics Express, 2014, 22, 24516.	1.7	17
86	Scanning force microscopy of diatom shells. Ultramicroscopy, 1992, 42-44, 329-332.	0.8	16
87	Combined dynamic adhesion and friction measurement with the scanning force microscope. Applied Physics Letters, 2000, 77, 3857-3859.	1.5	15
88	Attenuated total reflection measurements on poly-carbonate surfaces structured by laser illumination. Applied Surface Science, 2003, 208-209, 474-480.	3.1	15
89	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. Journal of Nanotechnology, 2012, 2012, 1-15.	1.5	15
90	Dynamic Friction Measurement with the Scanning Force Microscope. , 2001, , 121-135.		15

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91	Friction and measurement of friction on a nanometer scale. Surface and Coatings Technology, 1993, 62, 510-516.	2.2	14
92	The effect of simultaneous size reduction and transient network formation on the dynamics of microemulsions. Journal Physics D: Applied Physics, 2012, 45, 365302.	1.3	14
93	The effect of different polymer length on water droplets of reverse AOT microemulsion. Physics and Chemistry of Liquids, 2013, 51, 586-594.	0.4	14
94	The effect of TBAC on the collective diffusion coefficient and morphology of AOT microemulsion atXâ€‰=â€‰6.7. Physics and Chemistry of Liquids, 2013, 51, 469-479.	0.4	14
95	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
96	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2011, , 37-110.		14
97	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
98	The existence of sub-micrometer micromechanical modulation generated by polarized UV laser illumination on polymer surfaces. Materials Science and Engineering C, 2003, 23, 939-944.	3.8	13
99	Experimental observation of the scattering of light by planar metallic nanoparticles. New Journal of Physics, 2003, 5, 160-160.	1.2	13
100	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
101	Towards quantitative materials characterization with Digital Pulsed Force Mode imaging. Journal of Physics: Conference Series, 2007, 61, 346-351.	0.3	13
102	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
103	Stressâ€induced changes in microstructure of a lowâ€crystalline polypropylene investigated at uniaxial stretching. Journal of Applied Polymer Science, 2009, 112, 188-199.	1.3	13
104	Depletion-induced sphere-cylinder transition in C12E5 microemulsion: a small-angle X-ray scattering study. Molecular Physics, 2014, 112, 1702-1709.	0.8	13
105	Modulated shearâ€“force distance control in near-field scanning optical microscopy. Review of Scientific Instruments, 2000, 71, 1466-1471.	0.6	12
106	Lock-in technique for concurrent measurement of adhesion and friction with the scanning force microscope. Review of Scientific Instruments, 2001, 72, 150-156.	0.6	12
107	Small-Angle X-ray Scattering on Melt-Spun Polypropylene Fibers: Modeling and Data Reduction. Macromolecules, 2010, 43, 5009-5015.	2.2	12
108	Labelâ€free monitoring and manipulation of microfluidic waterâ€inâ€oil droplets. View, 2020, 1, 20200101.	2.7	12

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109	Na, K-ATPase in crystalline form investigated by scanning force microscopy. Ultramicroscopy, 1992, 42-44, 1133-1140.	0.8	11
110	Shear-force distance control at megahertz frequencies for near-field scanning optical microscopy. Review of Scientific Instruments, 2001, 72, 4178-4182.	0.6	8
111	Coupled surface plasmon resonance on bimetallic films covered by sub-micrometer polymer gratings. Organic Electronics, 2007, 8, 148-160.	1.4	8
112	Usage of polymer brushes as substrates of bone cells. Frontiers of Materials Science in China, 2009, 3, 132-144.	0.5	8
113	The mixture of poly(propylene-glycol)-block-poly(ethylene-glycol)-block-PPG with C12E5microemulsion. Physics and Chemistry of Liquids, 2014, 52, 113-121.	0.4	8
114	Spatially resolved near-field spectroscopy on localized GaInAsP/InP double heterostructures. Journal of Applied Physics, 1998, 83, 870-876.	1.1	7
115	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
116	Effects of the chain microstructure on the properties of polyketones terpolymers characterized by scanning force microscopy. European Polymer Journal, 2004, 40, 905-916.	2.6	7
117	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
118	Selective Adsorption of Functionalized Nanoparticles to Patterned Polymer Brush Surfaces and Its Probing with an Optical Trap. ChemPhysChem, 2013, 14, 3523-3531.	1.0	7
119	An external disturbance sensor for ionic polymer metal composite actuators. Smart Materials and Structures, 2016, 25, 015008.	1.8	7
120	Electrochemically-Driven Insertion of Biological Nanodiscs into Solid State Membrane Pores as a Basis for â€œPore-In-Poreâ€•Membranes. Nanomaterials, 2018, 8, 237.	1.9	7
121	Scanning Probe Microscopyâ€”Principle of Operation, Instrumentation, and Probes. , 2017, , 33-93.		7
122	AFM Instrumentation and Tips. , 1998, , .		7
123	Comparison of structural and optical properties in strained GaInAsP MQW structures grown by MOVPE and MOMBE. Journal of Crystal Growth, 2000, 209, 424-430.	0.7	6
124	Formation of Stable Singularities in Mixed Monolayers of Porphyrins and Tetracosanoic Acid upon SFM Tapping. Langmuir, 2000, 16, 1299-1305.	1.6	6
125	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
126	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

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127	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
128	Microrheology of keratin networks in cancer cells. Physical Biology, 2013, 10, 065008.	0.8	6
129	Scanning Probe Microscopy â€" Principle of Operation, Instrumentation, and Probes. , 2005, , 41-115.		6
130	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2007, , 591-636.		6
131	Scanning Probe Microscopy Instrumentation. , 1995, , 15-34.		6
132	Reibungsmikroskopie. Physik Journal, 1992, 48, 1007-1009.	0.1	5
133	Local nanomechanical properties of HeLa-cell surfaces. Journal of Physics: Conference Series, 2007, 61, 780-784.	0.3	5
134	Coatings from micropatterned sulfobetaine polymer brushes as substrates for MC3T3-E1 cells. Journal of Materials Science: Materials in Medicine, 2012, 23, 573-579.	1.7	5
135	Model-based analysis of keratin intermediate filament assembly. Journal Physics D: Applied Physics, 2015, 48, 375401.	1.3	5
136	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
137	Near-field scanning optical microscopy of zinc-porphyrin crystals. Ultramicroscopy, 2000, 84, 149-157.	0.8	4
138	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
139	Calcium carbonate crystal growth beneath Langmuir monolayers of acidic Î²-hairpin peptides. Dalton Transactions, 2014, 43, 16857-16871.	1.6	4
140	Active multi-point microrheology of cytoskeletal networks. Beilstein Journal of Nanotechnology, 2016, 7, 484-491.	1.5	4
141	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
142	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
143	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
144	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2004, , 325-369.		4

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145	Nanomechanical Interactions of Scanning Force Microscope Tips with Polymer Surfaces. , 1997, , 455-465.		4
146	Scanning probe microscopy: applications in biology and physics. Microscopy Microanalysis Microstructures, 1993, 4, 429-440.	0.4	4
147	Relaxation of polymer molecules in networksâ€"the extended aggregate model. Computational and Theoretical Polymer Science, 1998, 8, 99-111.	1.1	3
148	Digital Pulsed Force Mode. Imaging & Microscopy, 2006, 8, 37-38.	0.1	3
149	3D characterization of microstructured poly(methacrylic acid) thin films via Machâ€“Zehnder interference microscopy. Thin Solid Films, 2011, 519, 8100-8108.	0.8	3
150	Stabilization of selfâ€assembled microdroplets using short chain alcohols. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 709-718.	2.4	3
151	Pulsed force mode: a new method for the investigation of surface properties. , 1999, 27, 336.		3
152	Quantitative Measurement of Materials Properties with the (Digital) Pulsed Force Mode. , 2008, , 23-54.		3
153	Measurement of Adhesion and Pull-Off Forces with the AFM. Mechanics & Materials Science, 2000, , .	0.1	3
154	The Modeling and Study of Depletion Interaction at mixture of C₁₂E₅ Microemulsion with Polyethylene Glycol Polymer. Soft Nanoscience Letters, 2012, 02, 71-76.	0.8	3
155	Near-field luminescence measurements on GaInAsP/InP double heterostructures at room temperature. Applied Optics, 1998, 37, 106.	2.1	2
156	Multicolor images acquisition by scanning near-field optical microscopy. Journal of Applied Physics, 2001, 90, 4820-4824.	1.1	2
157	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
158	Improved manufacture of hybrid membranes with bionanopore adapters capable of self-luting. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 47-71.	0.7	2
159	Scanning Probe Microscopy â€“ Principle of Operation, Instrumentation, and Probes. , 2008, , 37-110.		2
160	Investigation of the Na,K-ATPase by SFM. , 1993, , 275-308.		2
161	<title>Micromachined aperture probe tip for multifunctional scanning probe microscopy</title>. , 1997, 3099, 248.		1
162	Dynamic friction measurements with an atomic force microscope on polymer surfaces. Journal of Synthetic Lubrication: Research, Development and Application of Synthetic Lubricants and Functional Fluids, 2001, 18, 1-15.	0.7	1

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163	Pulsed Force Mode SFM. , 2006, , 208-249.		1
164	Topology and nanomechanics of polyethylene networks. Nanotechnology, 2007, 18, 044013.	1.3	1
165	Investigations of the light scattering structure factor of metallic nanostructures using Bragg diffraction. Journal of Optics, 2007, 9, S443-S449.	1.5	1
166	SERS observed in periodic metallo-dielectric nanostructures fabricated using coated colloidal crystals. , 2008, , .		1
167	Influence of the roughness of metal templates on surface enhanced Raman scattering. , 2010, , .		1
168	Conformation and structural changes of diblock copolymers with octopus-like micelle formation in the presence of external stimuli. Journal Physics D: Applied Physics, 2014, 47, 175301.	1.3	1
169	Measurement of contact angles of microscopic droplets by focal length method. Review of Scientific Instruments, 2017, 88, 083701.	0.6	1
170	Scanning Probe Microscopy â€" Principle of Operation, Instrumentation and Probes. Springer Handbooks, 2017, , 725-768.	0.3	1
171	Setup and analysis to stretch adherent cells with light. , 2019, , .		1
172	High throughput optical analysis and sorting of cells and particles in microfluidic systems. , 2019, , .		1
173	Micromachined aperture probe for combined atomic force and near-field scanning optical microscopy (AFM/NSOM). , 1998, 3512, 76.		0
174	Temperature-Dependent Surface Properties of Thin Polystyrene Films Determined by Scanning Force Microscopy. ACS Symposium Series, 1999, , 212-226.	0.5	0
175	Mechanisms in embedded selective epitaxy and overgrowth of an integrated laser/modulator quantum well structure using MOMBE and MOVPE. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	0
176	Scattering of light at micro- and nanostructures of triangular shape. , 2007, , .		0
177	Bio-sensing based on plasmon-coupling caused by rotated sub-micrometer gratings in metal-dielectric interfacial layers. , 2007, , .		0
178	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
179	New laser apparatus to measure oscillation amplitude down to picometer at megahertz frequencies. Review of Scientific Instruments, 2010, 81, 035116.	0.6	0
180	Femtosecond laser fabrication of functional nanoparticle structures and their applications. , 2011, , .		0

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181	Topographic patterning by voltage-assisted tribocharging of a polymer. Journal of Applied Physics, 2011, 109, 124312.	1.1	0
182	Development and application of a fast optical particle tracker for very long time high-speed microrheology experiments with living cells. , 2021, , .		0
183	Scanning Probe Microscopy â€" Principle of Operation, Instrumentation, and Probe. , 2004, , 325-369.		0
184	Instrumentation for Scanning Force Microscopy and Friction Force Microscopy. , 1997, , 17-34.		0
185	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