

Philip M Williams

List of Publications by Year in descending order

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125
papers

5,724
citations

61984

43
h-index

85541

71
g-index

126
all docs

126
docs citations

126
times ranked

6285
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Detection of Antigen-antibody Binding Events with the Atomic Force Microscope. <i>Biochemistry</i> , 1997, 36, 7457-7463. | 2.5 | 340 |
| 2 | Immobilization of Protein Molecules onto Homogeneous and Mixed Carboxylate-Terminated Self-Assembled Monolayers. <i>Langmuir</i> , 1997, 13, 6485-6490. | 3.5 | 332 |
| 3 | Single-Molecule Studies of Protein Folding. <i>Annual Review of Biochemistry</i> , 2008, 77, 101-125. | 11.1 | 299 |
| 4 | Hidden complexity in the mechanical properties of titin. <i>Nature</i> , 2003, 422, 446-449. | 27.8 | 268 |
| 5 | Interactions of 3T3 fibroblasts and endothelial cells with defined pore features. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 212-217. | 3.1 | 195 |
| 6 | Analytical descriptions of dynamic force spectroscopy: behaviour of multiple connections. <i>Analytica Chimica Acta</i> , 2003, 479, 107-115. | 5.4 | 134 |
| 7 | Direct real-time molecular scale visualisation of the degradation of condensed DNA complexes exposed to DNase I. <i>Nucleic Acids Research</i> , 2003, 31, 4001-4005. | 14.5 | 129 |
| 8 | The effect of poly(ethylene glycol) molecular architecture on cellular interaction and uptake of DNA complexes. <i>Journal of Controlled Release</i> , 2004, 97, 143-156. | 9.9 | 118 |
| 9 | Blind reconstruction of scanning probe image data. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 1557. | 1.6 | 109 |
| 10 | Porous Polymer and Cell Composites That Self-Assemble In Situ. <i>Advanced Materials</i> , 2003, 15, 210-213. | 21.0 | 103 |
| 11 | Interpretation of tapping mode atomic force microscopy data using amplitude-phase-distance measurements. <i>Ultramicroscopy</i> , 1998, 75, 171-181. | 1.9 | 93 |
| 12 | Surface Analysis of Biodegradable Polymer Blends of Poly(sebacic anhydride) and Poly(dl-lactic acid). <i>Macromolecules</i> , 1996, 29, 2205-2212. | 4.8 | 92 |
| 13 | Alignment of Aromatic Peptide Tubes in Strong Magnetic Fields. <i>Advanced Materials</i> , 2007, 19, 4474-4479. | 21.0 | 87 |
| 14 | Surface Engineering and Surface Analysis of a Biodegradable Polymer with Biotinylated End Groups. <i>Langmuir</i> , 1999, 15, 3157-3161. | 3.5 | 83 |
| 15 | Synthesis and Characterisation of a Degradable Poly(lactic acid)-Poly(ethylene glycol) Copolymer with Biotinylated End Groups. <i>Biomacromolecules</i> , 2001, 2, 575-580. | 5.4 | 81 |
| 16 | Approaches to the immobilization of proteins at surfaces for analysis by scanning tunneling microscopy. <i>Langmuir</i> , 1993, 9, 2356-2362. | 3.5 | 80 |
| 17 | Observation of DNA-polymer condensate formation in real time at a molecular level. <i>FEBS Letters</i> , 2000, 480, 106-112. | 2.8 | 80 |
| 18 | Chemical and Morphological Analysis of Surface Enrichment in a Biodegradable Polymer Blend by Phase-Detection Imaging Atomic Force Microscopy. <i>Macromolecules</i> , 1998, 31, 2278-2283. | 4.8 | 77 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Force-induced melting of a short DNA double helix. <i>European Biophysics Journal</i> , 2001, 30, 53-62. | 2.2 | 77 |
| 20 | In situ observation of streptavidin-biotin binding on an immunoassay well surface using an atomic force microscope. <i>FEBS Letters</i> , 1996, 390, 161-164. | 2.8 | 73 |
| 21 | Substrate induced differentiation of human mesenchymal stem cells on hydrogels with modified surface chemistry and controlled modulus. <i>Soft Matter</i> , 2011, 7, 6501. | 2.7 | 73 |
| 22 | Recognition of Protein Adsorption onto Polymer Surfaces by Scanning Force Microscopy and Probe Surface Adhesion Measurements with Protein-Coated Probes. <i>Langmuir</i> , 1997, 13, 4106-4111. | 3.5 | 71 |
| 23 | A scanning probe microscopy study of the physisorption and chemisorption of protein molecules onto carboxylate terminated self-assembled monolayers. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S569-S574. | 2.3 | 69 |
| 24 | Optimizing phase imaging via dynamic force curves. <i>Surface Science</i> , 2000, 460, 292-300. | 1.9 | 69 |
| 25 | An in situ dissolution study of aspirin crystal planes (100) and (001) by atomic force microscopy. <i>Pharmaceutical Research</i> , 2001, 18, 299-303. | 3.5 | 67 |
| 26 | Bacterial Attachment to Polymeric Materials Correlates with Molecular Flexibility and Hydrophilicity. <i>Advanced Healthcare Materials</i> , 2015, 4, 695-701. | 7.6 | 62 |
| 27 | Printing patterns of biospecifically-adsorbed protein. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 319-331. | 3.5 | 61 |
| 28 | Atomic force microscopy studies of intercalation-induced changes in plasmid DNA tertiary structure. <i>Journal of Microscopy</i> , 2000, 199, 68-78. | 1.8 | 60 |
| 29 | An Atomic Force Microscopy Study of the Effect of Nanoscale Contact Geometry and Surface Chemistry on the Adhesion of Pharmaceutical Particles. <i>Pharmaceutical Research</i> , 2004, 21, 953-961. | 3.5 | 60 |
| 30 | Use of Scanning Probe Microscopy and Surface Plasmon Resonance as Analytical Tools in the Study of Antibody-Coated Microtiter Wells. <i>Langmuir</i> , 1994, 10, 2654-2661. | 3.5 | 59 |
| 31 | Characterization of particle-interactions by atomic force microscopy: effect of contact area. <i>Pharmaceutical Research</i> , 2003, 20, 508-514. | 3.5 | 56 |
| 32 | Blow fly <i>Lucilia sericata</i> nuclease digests DNA associated with wound slough/eschar and with <i>Pseudomonas aeruginosa</i> biofilm. <i>Medical and Veterinary Entomology</i> , 2012, 26, 432-439. | 1.5 | 56 |
| 33 | Molecular Interactions of Biomolecules with Surface-Engineered Interfaces Using Atomic Force Microscopy and Surface Plasmon Resonance. <i>Langmuir</i> , 1999, 15, 5136-5140. | 3.5 | 55 |
| 34 | The drag on a microcantilever oscillating near a wall. <i>Journal of Fluid Mechanics</i> , 2005, 545, 397. | 3.4 | 55 |
| 35 | Effects of glycosylation on fragments of tumour associated human epithelial mucin MUC1. <i>Bioorganic and Medicinal Chemistry</i> , 1998, 6, 1531-1545. | 3.0 | 51 |
| 36 | Dendron Arrays for the Force-Based Detection of DNA Hybridization Events. <i>Journal of the American Chemical Society</i> , 2007, 129, 9349-9355. | 13.7 | 51 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Surface Characterization of Aspirin Crystal Planes by Dynamic Chemical Force Microscopy. <i>Analytical Chemistry</i> , 2000, 72, 3419-3422. | 6.5 | 48 |
| 38 | Polymorphic Discrimination Using Atomic Force Microscopy: Distinguishing between Two Polymorphs of the Drug Cimetidine. <i>Langmuir</i> , 2000, 16, 866-870. | 3.5 | 46 |
| 39 | A Simple Method for Biocompatible Polymer Based Spatially Controlled Adsorption of Blood Plasma Proteins to a Surface. <i>Langmuir</i> , 2001, 17, 7402-7405. | 3.5 | 46 |
| 40 | Real-Space Differentiation of IgG and IgM Antibodies Deposited on Microtiter Wells by Scanning Force Microscopy. <i>Langmuir</i> , 1995, 11, 1822-1826. | 3.5 | 45 |
| 41 | Atomic force microscopy in analytical biotechnology. <i>Trends in Biotechnology</i> , 1997, 15, 101-105. | 9.3 | 45 |
| 42 | In Situ Atomic Force Microscopy Visualization of the Degradation of Melt-Crystallized Poly(sebacic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 4.8 | 44 |
| 43 | Surface Mobility of 2-Methacryloyloxyethyl Phosphorylcholine-co-Lauryl Methacrylate Polymers. <i>Langmuir</i> , 2000, 16, 5116-5122. | 3.5 | 43 |
| 44 | Differential scanning calorimetry and scanning thermal microscopy analysis of pharmaceutical materials. <i>International Journal of Pharmaceutics</i> , 2002, 243, 71-82. | 5.2 | 42 |
| 45 | pH-Dependent Behavior of Surface-immobilized Artificial Leucine Zipper Proteins. <i>Langmuir</i> , 2004, 20, 7747-7752. | 3.5 | 41 |
| 46 | Three-dimensional flow due to a microcantilever oscillating near a wall: an unsteady slender-body analysis. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 913-933. | 2.1 | 40 |
| 47 | Protein identification by 3D OrbiSIMS to facilitate in situ imaging and depth profiling. <i>Nature Communications</i> , 2020, 11, 5832. | 12.8 | 40 |
| 48 | Stochastic Elastohydrodynamics of a Microcantilever Oscillating Near a Wall. <i>Physical Review Letters</i> , 2006, 96, 050801. | 7.8 | 39 |
| 49 | Relating the phase morphology of a biodegradable polymer blend to erosion kinetics using simultaneous in situ atomic force microscopy and surface plasmon resonance analysis. <i>Langmuir</i> , 1995, 11, 3921-3927. | 3.5 | 38 |
| 50 | Influence of Architecture on the Kinetic Stability of Molecular Assemblies. <i>Journal of the American Chemical Society</i> , 2004, 126, 1318-1319. | 13.7 | 38 |
| 51 | A ¹³ C CP/MAS NMR spectroscopy and AFM study of the structure of Glucagelâ,ç, a gelling Î ² -glucan from barley. <i>Carbohydrate Research</i> , 1999, 315, 169-179. | 2.3 | 37 |
| 52 | Morphological Development of Î ² (1-40) Amyloid Fibrils. <i>Experimental Neurology</i> , 1999, 158, 437-443. | 4.1 | 37 |
| 53 | Atomic Force Microscopic Analysis of Highly Defined Protein Patterns Formed by Microfluidic Networks. <i>Langmuir</i> , 1999, 15, 7252-7257. | 3.5 | 36 |
| 54 | Probing DNA Duplex Formation and DNAâ”Drug Interactions by the Quartz Crystal Microbalance Technique. <i>Langmuir</i> , 2001, 17, 8300-8304. | 3.5 | 35 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Atomic force microscopy of gastric mucin and chitosan mucoadhesive systems. <i>Biochemical Journal</i> , 2000, 348, 557. | 3.7 | 34 |
| 56 | The influence of epitope availability on atomic-force microscope studies of antigen-antibody interactions. <i>Biochemical Journal</i> , 1999, 341, 173. | 3.7 | 33 |
| 57 | Atomic Force Microscopy of Cationic Liposomes. <i>Langmuir</i> , 2000, 16, 4813-4818. | 3.5 | 33 |
| 58 | Single-Molecule Investigations of RNA Dissociation. <i>Biophysical Journal</i> , 2004, 86, 3811-3821. | 0.5 | 33 |
| 59 | Degradation of a Thin Polymer Film Studied by Simultaneous in Situ Atomic Force Microscopy and Surface Plasmon Resonance Analysis. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11537-11542. | 2.9 | 32 |
| 60 | Investigating the Interfacial Properties of Single-Liquid Nanodroplets by Atomic Force Microscopy. <i>Langmuir</i> , 2002, 18, 1719-1728. | 3.5 | 32 |
| 61 | A Methodology for Investigating Protein Adhesion and Adsorption to Microarrayed Combinatorial Polymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1298-1302. | 3.9 | 32 |
| 62 | The discrimination of drug polymorphic forms from single crystals using atomic force microscopy. <i>Pharmaceutical Research</i> , 2000, 17, 887-890. | 3.5 | 31 |
| 63 | Molecular Level Investigations of the Inter- and Intramolecular Interactions of pH-Responsive Artificial Triblock Proteins. <i>Biomacromolecules</i> , 2005, 6, 1266-1271. | 5.4 | 31 |
| 64 | The discrimination of IgM and IgG type antibodies and Fab and F(ab) ₂ antibody fragments on an industrial substrate using scanning force microscopy. <i>Ultramicroscopy</i> , 1996, 62, 149-155. | 1.9 | 30 |
| 65 | Studies of covalently immobilized protein molecules by scanning tunneling microscopy: the role of water in image contrast formation. <i>The Journal of Physical Chemistry</i> , 1993, 97, 8852-8854. | 2.9 | 29 |
| 66 | The Development, Characterization, and Demonstration of a Versatile Immobilization Strategy for Biomolecular Force Measurements. <i>Langmuir</i> , 2002, 18, 6659-6665. | 3.5 | 28 |
| 67 | Direct atomic force microscopy observations of monovalent ion induced binding of DNA to mica. <i>Journal of Microscopy</i> , 2004, 215, 297-301. | 1.8 | 28 |
| 68 | Atomic force microscopy and scanning tunnelling microscopy: Refining techniques for studying biomolecules. <i>Trends in Biotechnology</i> , 1994, 12, 127-132. | 9.3 | 27 |
| 69 | Dynamic Surface Events Measured by Simultaneous Probe Microscopy and Surface Plasmon Detection. <i>Analytical Chemistry</i> , 1996, 68, 1451-1455. | 6.5 | 27 |
| 70 | Intercalation-induced changes in DNA supercoiling observed in real-time by atomic force microscopy. <i>Analytica Chimica Acta</i> , 1999, 400, 27-32. | 5.4 | 27 |
| 71 | Monitoring the Dissolution Mechanisms of Amorphous Bicalutamide Solid Dispersions via Real-Time Raman Mapping. <i>Molecular Pharmaceutics</i> , 2015, 12, 1512-1522. | 4.6 | 26 |
| 72 | In Situ Surface Plasmon Resonance Analysis of Dextran Monolayer Degradation by Dextranase. <i>Langmuir</i> , 1997, 13, 7115-7120. | 3.5 | 25 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Toward True Surface Recovery: Studying Distortions in Scanning Probe Microscopy Image Data. <i>Langmuir</i> , 1996, 12, 3468-3471. | 3.5 | 24 |
| 74 | Investigation of the Hydration Kinetics of Novel Poly(ethylene oxide) Containing Polyurethanes. <i>Langmuir</i> , 2000, 16, 2744-2750. | 3.5 | 23 |
| 75 | Scanning tunnelling microscopy studies of β -amyloid fibril structure and assembly. <i>FEBS Letters</i> , 1995, 371, 25-28. | 2.8 | 20 |
| 76 | STM of Insulators with the Probe in Contact with an Aqueous Layer. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5138-5142. | 2.6 | 20 |
| 77 | Electrostatic interactions observed when imaging proteins with the atomic force microscope. <i>Ultramicroscopy</i> , 2003, 96, 37-46. | 1.9 | 20 |
| 78 | Spatial Confinement of Neurite Regrowth from Dorsal Root Ganglia within Nonporous Microconduits. <i>Tissue Engineering</i> , 2003, 9, 201-208. | 4.6 | 20 |
| 79 | Quantifying surface topography and scanning probe image reconstruction. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 273. | 1.6 | 19 |
| 80 | Atomic Force Microscope and Surface Plasmon Resonance Investigation of Polymer Blends of Poly([2-(methacryloyloxy)ethyl]phosphorylcholine-co-lauryl methacrylate) and Poly(lauryl) Tj ETQqO O rgBT /Overlook 10 Tf 50 457 Td | 1.6 | 19 |
| 81 | Interactions between Signal-Transducing Proteins Measured by Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 3276-3284. | 6.5 | 19 |
| 82 | High-Resolution Atomic Force Microscopy of Dextran Monolayer Hydration. <i>Langmuir</i> , 1997, 13, 4795-4798. | 3.5 | 18 |
| 83 | Simulating the dynamic strength of molecular interactions. <i>Journal of Chemical Physics</i> , 2001, 114, 3208-3214. | 3.0 | 18 |
| 84 | Simulations of multi-directional forced unfolding of titin I27. <i>Journal of Molecular Graphics and Modelling</i> , 2006, 24, 396-403. | 2.4 | 17 |
| 85 | A novel DFP tripeptide motif interacts with the coagulation factor XI apple 2 domain. <i>Blood</i> , 2016, 127, 2915-2923. | 1.4 | 17 |
| 86 | Application of protein-coated scanning force microscopy probes in measurements of surface affinity to protein adsorption. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S631-S634. | 2.3 | 16 |
| 87 | On the dynamic behaviour of the forced dissociation of ligand-receptor pairs. <i>Perkin Transactions II RSC</i> , 2000, , 5-8. | 1.1 | 16 |
| 88 | Molecular patterning on carbon based surfaces through photobiotin activation. <i>Analyst, The</i> , 2001, 126, 195-198. | 3.5 | 16 |
| 89 | Compositional Mapping of Self-Assembled Monolayers Derivatized within Microfluidic Networks. <i>Langmuir</i> , 2002, 18, 3151-3158. | 3.5 | 16 |
| 90 | Ultra-Resolution Imaging of a Self-Assembling Biomolecular System Using Robust Carbon Nanotube AFM Probes. <i>Langmuir</i> , 2007, 23, 3906-3911. | 3.5 | 16 |

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| 91 | Release of Protein from a Poly(ortho ester) Film during Surface Erosion Studied by in Situ Atomic Force Microscopy. <i>Langmuir</i> , 1995, 11, 2547-2553. | 3.5 | 15 |
| 92 | Probing proteinâ€“peptideâ€“protein molecular architecture by atomic force microscopy and surface plasmon resonance. <i>Analyst</i> , 2000, 125, 245-250. | 3.5 | 15 |
| 93 | Atomic Force Microscopy Study of Human Amylin (20-29) Fibrils. <i>Protein and Peptide Letters</i> , 2005, 12, 79-83. | 0.9 | 15 |
| 94 | Strategies for MCR image analysis of large hyperspectral dataâ€“sets. <i>Surface and Interface Analysis</i> , 2013, 45, 466-470. | 1.8 | 15 |
| 95 | Impact of cold plasma on the biomolecules and organoleptic properties of foods: A review. <i>Journal of Food Science</i> , 2021, 86, 3762-3777. | 3.1 | 15 |
| 96 | A novel organic solventâ€“based coupling method for the preparation of covalently immobilized proteins on gold. <i>Protein Science</i> , 1996, 5, 2329-2332. | 7.6 | 13 |
| 97 | Can an Atomic Force Microscope Sequence DNA Using a Nanopore?. <i>Biophysical Journal</i> , 2008, 94, 1233-1240. | 0.5 | 13 |
| 98 | Patterning the mechanical properties of hydrogen silsesquioxane films using electron beam irradiation for application in mechano cell guidance. <i>Thin Solid Films</i> , 2011, 519, 2003-2010. | 1.8 | 13 |
| 99 | The use of a polymer film to estimate AFM probe profile. <i>Surface Science</i> , 1994, 318, L1219-L1224. | 1.9 | 12 |
| 100 | The application of force microscopy to immunodiagnostic systems: imaging and biomolecular adhesion measurements. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S255-S261. | 2.3 | 12 |
| 101 | Bifunctional atomic force microscopy probes for molecular screening applications. <i>Analytica Chimica Acta</i> , 2003, 479, 77-85. | 5.4 | 11 |
| 102 | Accurate velocity measurements of AFM-cantilever vibrations by Doppler interferometry. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 51-62. | 2.4 | 11 |
| 103 | An assessment of beclomethasone dipropionate clathrate formation in a model suspension metered dose inhaler. <i>International Journal of Pharmaceutics</i> , 2010, 391, 98-106. | 5.2 | 10 |
| 104 | Protein Unfolding under Force: Crack Propagation in a Network. <i>Biophysical Journal</i> , 2011, 101, 736-744. | 0.5 | 10 |
| 105 | The Role of Scanning Probe Microscopy in Drug Delivery Research. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1996, 13, 225-256. | 2.2 | 10 |
| 106 | Controlled nanometre-scale line and symbol formation on graphite in air using a scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 7213-7216. | 1.8 | 9 |
| 107 | Structural refinement and measurement of biomolecules using novel software algorithms and methodologies. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994, 12, 1456. | 1.6 | 8 |
| 108 | Conformational differences in two mutant hinge IgG4 antibodies observed by scanning tunneling microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994, 12, 1517. | 1.6 | 8 |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Screening the Biointeractions of Submicron Sized Particles Intended for Site-Specific Delivery Using Surface Plasmon Resonance. <i>Journal of Colloid and Interface Science</i> , 1999, 218, 456-461. | 9.4 | 8 |
| 110 | Noise-compliant tip-shape derivation. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S911-S914. | 2.3 | 7 |
| 111 | Mapping the Surface Characteristics of Polystyrene Microtiter Wells by a Multimode Scanning Force Microscopy Approach. <i>Journal of Colloid and Interface Science</i> , 2001, 242, 470-476. | 9.4 | 7 |
| 112 | Direct measurement of drug-enzyme interactions by atomic force microscopy; dihydrofolate reductase and methotrexate. <i>Perkin Transactions II RSC</i> , 2002, , 1722-1727. | 1.1 | 7 |
| 113 | Observation of a super-periodic feature on gold with a scanning tunneling microscope. <i>Applied Physics Letters</i> , 1992, 60, 1436-1437. | 3.3 | 6 |
| 114 | Measurement of Particle and Surface Interactions Using Force Microscopy. , 2009, , 31-80. | | 6 |
| 115 | Combined surface plasmon resonance and scanning force microscope instrument. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 1582. | 1.6 | 5 |
| 116 | Hydrodynamic damping of tip oscillation in pulsed-force atomic force microscopy. <i>Applied Physics Letters</i> , 2000, 77, 3462-3464. | 3.3 | 5 |
| 117 | Data Analysis Using the Internet: the World Wide Web Scanning Probe Microscopy Data Analysis System. <i>Analyst, The</i> , 1997, 122, 1001-1006. | 3.5 | 4 |
| 118 | An enthalpic approach to the analysis of the scanning force ligand rupture experiment. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 253-258. | 0.9 | 4 |
| 119 | Investigation of microcontact transfer of proteins from a selectively plasma treated elastomer stamp by fluorescence microscopy and force microscopy. <i>Analyst, The</i> , 2001, 126, 1100-1104. | 3.5 | 4 |
| 120 | Analyzing the origins of receptor-ligand adhesion forces measured by the scanning force microscope. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 419-424. | 0.9 | 3 |
| 121 | Shear Force and Phase Imaging of Protein Boundaries. <i>Langmuir</i> , 1999, 15, 5433-5436. | 3.5 | 2 |
| 122 | Biomembrane force probe investigation of RNA dissociation. <i>European Biophysics Journal</i> , 2011, 40, 247-257. | 2.2 | 2 |
| 123 | Making video presentations from the Evans and Sutherland PS390. <i>Journal of Molecular Graphics</i> , 1990, 8, 31-33. | 1.1 | 1 |
| 124 | A High Resolution Atomic Force Microscopy Study of Poly(lactic acid-co-ethylene glycol). <i>Polymer Journal</i> , 2000, 32, 444-446. | 2.7 | 1 |
| 125 | Effect of scanning force microscope scanner geometry on probe-sample contact force. <i>Review of Scientific Instruments</i> , 1997, 68, 1773-1775. | 1.3 | 0 |