Simon Scheuring

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8872712/publications.pdf

Version: 2024-02-01

171 papers	10,082 citations	25034 57 h-index	39675 94 g-index
177 all docs	177 docs citations	177 times ranked	9306 citing authors

#	Article	IF	Citations
1	Chemically induced protein cage assembly with programmable opening and cargo release. Science Advances, 2022, 8, eabj9424.	10.3	24
2	Snf7 spirals sense and alter membrane curvature. Nature Communications, 2022, 13, 2174.	12.8	8
3	TMEM16 scramblases thin the membrane to enable lipid scrambling. Nature Communications, 2022, 13, 2604.	12.8	22
4	Shape-Morphing of an Artificial Protein Cage with Unusual Geometry Induced by a Single Amino Acid Change. ACS Nanoscience Au, 2022, 2, 404-413.	4.8	6
5	High-speed atomic force microscopy to study pore-forming proteins. Methods in Enzymology, 2021, 649, 189-217.	1.0	13
6	Structural dynamics of channels and transporters by high-speed atomic force microscopy. Methods in Enzymology, 2021, 652, 127-159.	1.0	4
7	High-speed atomic force microscopy tracks the dynamic parts of the ribosome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3
8	Scanning probe microscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	103
9	Localization atomic force microscopy. Nature, 2021, 594, 385-390.	27.8	110
10	Quantitative description of a contractile macromolecular machine. Science Advances, 2021, 7, .	10.3	9
11	Correlation of membrane protein conformational and functional dynamics. Nature Communications, 2021, 12, 4363.	12.8	17
12	Nanodissected elastically loaded clathrin lattices relax to increased curvature. Science Advances, 2021, 7, .	10.3	14
13	Single molecule kinetics of bacteriorhodopsin by HS-AFM. Nature Communications, 2021, 12, 7225.	12.8	16
14	The hierarchical assembly of septins revealed by high-speed AFM. Nature Communications, 2020, 11, 5062.	12.8	35
15	Nanoreporter of an Enzymatic Suicide Inactivation Pathway. Nano Letters, 2020, 20, 7819-7827.	9.1	25
16	Millisecond dynamics of an unlabeled amino acid transporter. Nature Communications, 2020, 11, 5016.	12.8	27
17	ESCRT-III Spirals are Loaded Springs that Govern Spontaneous Membrane Deformation. Biophysical Journal, 2020, 118, 617a.	0.5	0
18	Structure and mechanism of bactericidal mammalian perforin-2, an ancient agent of innate immunity. Science Advances, 2020, 6, eaax8286.	10.3	66

#	Article	IF	Citations
19	Annexin-V stabilizes membrane defects by inducing lipid phase transition. Nature Communications, 2020, 11, 230.	12.8	58
20	Investigating Membrane Curvature Dependence of Snf7 Polymerization using High-Speed Atomic Force Microscopy. Biophysical Journal, 2019, 116, 372a.	0.5	0
21	Force-induced conformational changes in PIEZO1. Nature, 2019, 573, 230-234.	27.8	216
22	CLC Antiporter Dimerization Dynamics Revealed by Novel Developments in High-Speed AFM. Biophysical Journal, 2019, 116, 300a.	0.5	0
23	Millisecond Time Resolution by HS-AFM Line Scanning of Fast GltPh Dynamics. Biophysical Journal, 2019, 116, 557a.	0.5	0
24	High-Speed Atomic Force Microscopy (HS-AFM) of Clathrin-Coated Pits. Biophysical Journal, 2019, 116, 92a.	0.5	0
25	Heterogeneous and rate-dependent streptavidinâ€“biotin unbinding revealed by high-speed force spectroscopy and atomistic simulations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6594-6601.	7.1	95
26	Advances in high-speed atomic force microscopy (HS-AFM) reveal dynamics of transmembrane channels and transporters. Current Opinion in Structural Biology, 2019, 57, 93-102.	5.7	68
27	Septin Hierarchical Assembly Revealed by High-Speed Atomic Force Microscopy(HS-AFM). Biophysical Journal, 2019, 116, 252a.	0.5	0
28	Structural Response of the Piezo Channel Upon Application of Force. Biophysical Journal, 2019, 116, 301a.	0.5	0
29	Fifteen years of Servitude et Grandeur to the application of a biophysical technique in medicine: The tale of AFMBioMed. Journal of Molecular Recognition, 2019, 32, e2773.	2.1	4
30	Real time dynamics of Gating-Related conformational changes in CorA. ELife, 2019, 8, .	6.0	19
31	High-Resolution Atomic Force Microscopy of Native Membranes. , 2019, , 21-44.		0
32	A Simple and Fast Drift Correction Method for High-throughput Microscopy. Biophysical Journal, 2018, 114, 385a.	0.5	0
33	Î±-Helix Unwinding as Force Buffer in Spectrins. ACS Nano, 2018, 12, 2719-2727.	14.6	37
34	High-Speed Atomic Force Microscopy: A New Approach to Study Channels and Transporters. Biophysical Journal, 2018, 114, 7a.	0.5	0
35	Applications of high-speed atomic force microscopy to real-time visualization of dynamic biomolecular processes. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 229-240.	2.4	45
36	High-Speed Atomic Force Microscopy Reveals the Inner Workings of the MinDE Protein Oscillator. Nano Letters, 2018, 18, 288-296.	9.1	22

#	Article	IF	Citations
37	The Annexin V Transmembrane Channel. Biophysical Journal, 2018, 114, 491a.	0.5	0
38	High-speed AFM height spectroscopy reveals Âµs-dynamics of unlabeled biomolecules. Nature Communications, 2018, 9, 4983.	12.8	65
39	An iris diaphragm mechanism to gate a cyclic nucleotide-gated ion channel. Nature Communications, 2018, 9, 3978.	12.8	44
40	Structural titration of receptor ion channel GLIC gating by HS-AFM. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10333-10338.	7.1	48
41	High-Speed Force Spectroscopy for Single Protein Unfolding. Methods in Molecular Biology, 2018, 1814, 243-264.	0.9	10
42	High-Speed AFM Correlation Spectroscopy (HS-AMF-CS): ÂµS Protein Dynamics without Labels. Biophysical Journal, 2018, 114, 70a-71a.	0.5	0
43	A novel phase-shift-based amplitude detector for a high-speed atomic force microscope. Review of Scientific Instruments, 2018, 89, 083704.	1.3	24
44	Direct visualization of glutamate transporter elevator mechanism by high-speed AFM. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1584-1588.	7.1	107
45	Recovery of ESCRT-III Filaments Subjected to Force: An â€˜Invasive Modeâ€™ HS-AFM Study. Biophysical Journal, 2017, 112, 92a.	0.5	0
46	Engineering a pH responsive pore forming protein. Scientific Reports, 2017, 7, 42231.	3.3	27
47	Dynamic remodeling of the dynamin helix during membrane constriction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5449-5454.	7.1	44
48	High-frequency microrheology reveals cytoskeleton dynamics in living cells. Nature Physics, 2017, 13, 771-775.	16.7	183
49	Dynamic subunit turnover in ESCRT-III assemblies is regulated by Vps4 to mediate membrane remodelling during cytokinesis. Nature Cell Biology, 2017, 19, 787-798.	10.3	222
50	Structural Dynamics of Endocytosis by High-Speed Atomic Force Microscopy. Biophysical Journal, 2017, 112, 92a.	0.5	0
51	Direct Visualization of Conformational Changes Related to Pentameric Receptor Ion Channel GLIC Gating. Biophysical Journal, 2017, 112, 321a.	0.5	0
52	MinDE Membrane Patch Oscillations Observed by High-Speed AFM. Biophysical Journal, 2017, 112, 328a.	0.5	0
53	Monitoring the Conformational Changes of Individual Cyclic Nucleotide-Gated Ion Channels by High-Speed Atomic Force Microscopy. Biophysical Journal, 2017, 112, 422a.	0.5	0
54	Development of Temperature-Controlled High-Speed AFM. Biophysical Journal, 2017, 112, 587a.	0.5	1

#	Article	IF	Citations
55	Real-time Visualization of Phospholipid Degradation by Outer Membrane Phospholipase A using High-Speed Atomic Force Microscopy. Journal of Molecular Biology, 2017, 429, 977-986.	4.2	20
56	Standardized Nanomechanical Atomic Force Microscopy Procedure (SNAP) for Measuring Soft and Biological Samples. Scientific Reports, 2017, 7, 5117.	3.3	195
57	Lysenin Toxin Membrane Insertion Is pH-Dependent but Independent of Neighboring Lysenins. Biophysical Journal, 2017, 113, 2029-2036.	0.5	17
58	Automated force controller for amplitude modulation atomic force microscopy. Review of Scientific Instruments, 2016, 87, 053705.	1.3	16
59	Direct Visualization of Glutamate Transporter Transport Cycle. Biophysical Journal, 2016, 110, 178a-179a.	0.5	0
60	High Frequency Microrheology of Living Cells. Biophysical Journal, 2016, 110, 132a.	0.5	2
61	Temperature-Switchable Control of Ligand Display on Adlayers of Mixed Poly(lysine)-g-(PEO) and Poly(lysine)-g-(ligand-modified poly-N-isopropylacrylamide). Biomacromolecules, 2016, 17, 1727-1736.	5.4	23
62	Identification of a Membrane-bound Prepore Species Clarifies the Lytic Mechanism of Actinoporins. Journal of Biological Chemistry, 2016, 291, 19210-19219.	3.4	23
63	Effect of Statins on the Nanomechanical Properties of Supported Lipid Bilayers. Biophysical Journal, 2016, 111, 363-372.	0.5	32
64	Temperatureâ€Controlled Highâ€Speed AFM: Realâ€Time Observation of Ripple Phase Transitions. Small, 2016, 12, 6106-6113.	10.0	22
65	Real-time visualization of conformational changes within single MloK1 cyclic nucleotide-modulated channels. Nature Communications, 2016, 7, 12789.	12.8	26
66	High-speed atomic force microscopy shows that annexin V stabilizes membranes on the second timescale. Nature Nanotechnology, 2016, 11, 783-790.	31.5	96
67	Glasslike Membrane Protein Diffusion in a Crowded Membrane. ACS Nano, 2016, 10, 2584-2590.	14.6	43
68	Listeriolysin O Membrane Damaging Activity Involves Arc Formation and Lineaction -- Implication for Listeria monocytogenes Escape from Phagocytic Vacuole. PLoS Pathogens, 2016, 12, e1005597.	4.7	74
69	High-Speed Atomic Force Microscopy of ESCRT Protein Assembly. Biophysical Journal, 2015, 108, 353a.	0.5	0
70	Bringing Force Probe Molecular Dynamics Simulations Closer to Experiments. Biophysical Journal, 2015, 108, 166a.	0.5	0
71	High-Speed Force Spectroscopy Unbinds Streptavidin-Biotin at the Velocity of Molecular Dynamics Simulations. Biophysical Journal, 2015, 108, 356a.	0.5	1
72	Atomic Force Microscopy Mechanical Mapping of Micropatterned Cells Shows Adhesion Geometry-Dependent Mechanical Response on Local and Global Scales. ACS Nano, 2015, 9, 5846-5856.	14.6	59

#	Article	IF	Citations
73	Relaxation of Loaded ESCRT-III Spiral Springs Drives Membrane Deformation. Cell, 2015, 163, 866-879.	28.9	289
74	Structural, Mechanical, and Dynamical Variability of the Actin Cortex in Living Cells. Biophysical Journal, 2015, 108, 1330-1340.	0.5	106
75	Atomic Force Microscopy Reveals the Structure and Dynamics of the Cell Cortex. Biophysical Journal, 2014, 106, 798a.	0.5	0
76	Ligand-induced structural changes in the cyclic nucleotide-modulated potassium channel MloK1. Nature Communications, 2014, 5, 3106.	12.8	59
77	Filming Biomolecular Processes by High-Speed Atomic Force Microscopy. Chemical Reviews, 2014, 114, 3120-3188.	47.7	320
78	Highâ€speed atomic force microscopy: Imaging and force spectroscopy. FEBS Letters, 2014, 588, 3631-3638.	2.8	58
79	High-Speed Atomic Force Microscopy: Integration with Optical Microscopy and High-Speed Force Spectroscopy. Biophysical Journal, 2014, 106, 797a.	0.5	0
80	The architecture of Rhodobacter sphaeroides chromatophores. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1263-1270.	1.0	36
81	Light Harvesting by Lamellar Chromatophores in Rhodospirillum photometricum. Biophysical Journal, 2014, 106, 2503-2510.	0.5	48
82	Cryo-Electron Microscopy of Potassium Channel Membrane Proteins. Microscopy and Microanalysis, 2014, 20, 1206-1207.	0.4	0
83	Cannabinoid-induced actomyosin contractility shapes neuronal morphology and growth. ELife, 2014, 3, e03159.	6.0	75
84	A hybrid high-speed atomic forceâ€“optical microscope for visualizing single membrane proteins on eukaryotic cells. Nature Communications, 2013, 4, 2155.	12.8	64
85	High-Speed AFM Force Spectroscopy Unfolds Titin at the Speed of Molecular Dynamics Simulations. Biophysical Journal, 2013, 104, 381a.	0.5	1
86	High-Speed Atomic Force Microscopy Tracks Toxin Action. Biophysical Journal, 2013, 105, 1292.	0.5	1
87	High-Speed Force Spectroscopy Unfolds Titin at the Velocity of Molecular Dynamics Simulations. Science, 2013, 342, 741-743.	12.6	216
88	Mechanics of proteins with a focus on atomic force microscopy. Journal of Nanobiotechnology, 2013, 11, S3.	9.1	23
89	The mechanics of membrane proteins is a signature of biological function. Soft Matter, 2013, 9, 7866.	2.7	7
90	High-Speed Atomic Force Microscopy of Protein-Protein Interactions. Biophysical Journal, 2013, 104, 386a.	0.5	0

#	Article	IF	Citations
91	Investigation of photosynthetic membrane structure using atomic force microscopy. Trends in Plant Science, 2013, 18, 277-286.	8.8	56
92	Structural and Mechanical Heterogeneity of the Erythrocyte Membrane Reveals Hallmarks of Membrane Stability. ACS Nano, 2013, 7, 1054-1063.	14.6	66
93	Cellular capsules as a tool for multicellular spheroid production and for investigating the mechanics of tumor progression in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14843-14848.	7.1	367
94	High-Resolution AFM Imaging of Native Biological Membranes. , 2013, , .		0
95	Nanomechanical Characterization of the Stiffness of Eye Lens Cells: A Pilot Study. , 2012, 53, 2151.		16
96	Direct Observation of Junctional Microdomain Assembly. Biophysical Journal, 2012, 102, 297a.	0.5	0
97	Direct Measurement of the Mechanical Properties of Lipid Phases in Supported Bilayers. Biophysical Journal, 2012, 102, L01-L03.	0.5	174
98	High-Speed Atomic Force Microscopy: Cooperative Adhesion and Dynamic Equilibrium of Junctional Microdomain Membrane Proteins. Journal of Molecular Biology, 2012, 423, 249-256.	4.2	27
99	Complete Lateral and Angular Diffusion and Protein-Protein Interaction Description of a Membrane Protein. Biophysical Journal, 2012, 102, 413a-414a.	0.5	0
100	Software for drift compensation, particle tracking and particle analysis of highâ€speed atomic force microscopy image series. Journal of Molecular Recognition, 2012, 25, 292-298.	2.1	39
101	AFMBioMed Conference: Paris, France, August 2011. Journal of Molecular Recognition, 2012, 25, 239-240.	2.1	7
102	Characterization of the motion of membrane proteins using high-speed atomic force microscopy. Nature Nanotechnology, 2012, 7, 525-529.	31.5	184
103	Binding Kinetics of Inter-Connexon Interaction. Biophysical Journal, 2011, 100, 564a.	0.5	0
104	Mechanical Mapping of Single Membrane Proteins at Submolecular Resolution. Nano Letters, 2011, 11, 3983-3986.	9.1	122
105	Native architecture of the photosynthetic membrane from Rhodobacter veldkampii. Journal of Structural Biology, 2011, 173, 138-145.	2.8	38
106	Two-Dimensional Kinetics of Inter-Connexin Interactions from Single-Molecule Force Spectroscopy. Journal of Molecular Biology, 2011, 412, 72-79.	4.2	11
107	High-speed atomic force microscopy: Structure and dynamics of single proteins. Current Opinion in Chemical Biology, 2011, 15, 704-709.	6.1	29
108	Biological AFM: where we come from â€“ where we are â€“ where we may go. Journal of Molecular Recognition, 2011, 24, 406-413.	2.1	90

#	Article	IF	Citations
109	Rhodopsin is spatially heterogeneously distributed in rod outer segment disk membranes. Journal of Molecular Recognition, 2011, 24, 483-489.	2.1	42
110	FÃ¶rster Energy Transfer Theory as Reflected in the Structures of Photosynthetic Lightâ€Harvesting Systems. ChemPhysChem, 2011, 12, 518-531.	2.1	142
111	Eye lens membrane junctional microdomains: a comparison between healthy and pathological cases. New Journal of Physics, 2011, 13, 085016.	2.9	23
112	Forces guiding assembly of light-harvesting complex 2 in native membranes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9455-9459.	7.1	51
113	High-Resolution Atomic Force Microscopy of Native Membranes. , 2011, , 21-44.		0
114	Atomic force microscopy: probing the spatial organization, interactions and elasticity of microbial cell envelopes at molecular resolution. Molecular Microbiology, 2010, 75, 1327-1336.	2.5	82
115	Antenna mixing in photosynthetic membranes from Phaeospirillum molischianum. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5357-5362.	7.1	31
116	Experimental Evidence for Membrane-Mediated Protein-Protein Interaction. Biophysical Journal, 2010, 99, L47-L49.	0.5	71
117	Automated setpoint adjustment for biological contact mode atomic force microscopy imaging. Nanotechnology, 2010, 21, 035104.	2.6	18
118	Malformation of junctional microdomains in cataract lens membranes from a type II diabetes patient. Pflugers Archiv European Journal of Physiology, 2009, 457, 1265-1274.	2.8	24
119	Atomic force microscopy of the bacterial photosynthetic apparatus: plain pictures of an elaborate machinery. Photosynthesis Research, 2009, 102, 197-211.	2.9	73
120	Highâ€resolution architecture of the outer membrane of the Gramâ€negative bacteria Roseobacter denitrificans. Molecular Microbiology, 2009, 74, 1211-1222.	2.5	68
121	Nanoholes by soft UV nanoimprint lithography applied to study of membrane proteins. Microelectronic Engineering, 2009, 86, 583-585.	2.4	29
122	Quinone Pathways in Entire Photosynthetic Chromatophores of Rhodospirillum photometricum. Journal of Molecular Biology, 2009, 393, 27-35.	4.2	30
123	Structural Information, Resolution, and Noise in High-Resolution Atomic Force Microscopy Topographs. Biophysical Journal, 2009, 96, 3822-3831.	0.5	51
124	Contact-Mode High-Resolution High-Speed Atomic Force Microscopy Movies of the Purple Membrane. Biophysical Journal, 2009, 97, 1354-1361.	0.5	58
125	Energy Transfer in Light-Adapted Photosynthetic Membranes: From Active to Saturated Photosynthesis. Biophysical Journal, 2009, 97, 2464-2473.	0.5	54
126	Introduction to Atomic Force Microscopy (AFM) in Biology. Current Protocols in Protein Science, 2009, 58, Unit 17.7.1-19.	2.8	25

#	Article	IF	Citations
127	The Supramolecular Assembly of the Photosynthetic Apparatus of Purple Bacteria Investigated by High-Resolution Atomic Force Microscopy. Advances in Photosynthesis and Respiration, 2009, , 941-952.	1.0	6
128	Probing Single Membrane Proteins by Atomic Force Microscopy. , 2009, , 449-485.		0
129	Mini review on the structure and supramolecular assembly of VDAC. Journal of Bioenergetics and Biomembranes, 2008, 40, 133-138.	2.3	29
130	The Supramolecular Architecture of the Bacterial Photosynthetic Apparatus Studied by Atomic Force Microscopy (AFM). Advances in Photosynthesis and Respiration, 2008, , 1-11.	1.0	1
131	From high-resolution AFM topographs to atomic models of supramolecular assemblies. Journal of Structural Biology, 2007, 159, 268-276.	2.8	70
132	Structural models of the supramolecular organization of AQP0 and connexons in junctional microdomains. Journal of Structural Biology, 2007, 160, 385-394.	2.8	48
133	Supramolecular Assembly of VDAC in Native Mitochondrial Outer Membranes. Journal of Molecular Biology, 2007, 369, 413-418.	4.2	133
134	Human Cataract Lens Membrane at Subnanometer Resolution. Journal of Molecular Biology, 2007, 374, 162-169.	4.2	55
135	Direct Visualization of KirBac3.1 Potassium Channel Gating by Atomic Force Microscopy. Journal of Molecular Biology, 2007, 374, 500-505.	4.2	28
136	Rows of ATP Synthase Dimers in Native Mitochondrial Inner Membranes. Biophysical Journal, 2007, 93, 2870-2876.	0.5	85
137	Past, present and future of atomic force microscopy in life sciences and medicine. Journal of Molecular Recognition, 2007, 20, 418-431.	2.1	165
138	The supramolecular architecture of junctional microdomains in native lens membranes. EMBO Reports, 2007, 8, 51-55.	4.5	100
139	Dynamics and Diffusion in Photosynthetic Membranes from Rhodospirillum Photometricum. Biophysical Journal, 2006, 91, 3707-3717.	0.5	38
140	The Photosynthetic Apparatus of Rhodopseudomonas palustris: Structures and Organization. Journal of Molecular Biology, 2006, 358, 83-96.	4.2	130
141	High-Resolution Imaging and Force Measurement of Individual Membrane Proteins by AFM. Current Nanoscience, 2006, 2, 329-335.	1.2	7
142	Manipulating and imaging individual membrane proteins by AFM. Surface and Interface Analysis, 2006, 38, 1413-1418.	1.8	22
143	Two-chamber AFM: probing membrane proteins separating two aqueous compartments. Nature Methods, 2006, 3, 1007-1012.	19.0	97
144	AFM studies of the supramolecular assembly of bacterial photosynthetic core-complexes. Current Opinion in Chemical Biology, 2006, 10, 387-393.	6.1	65

#	Article	IF	Citations
145	Single-molecule studies of membrane proteins. Current Opinion in Structural Biology, 2006, 16, 489-495.	5.7	102
146	Structure of the Dimeric PufX-containing Core Complex of Rhodobacter blasticus by in Situ Atomic Force Microscopy. Journal of Biological Chemistry, 2005, 280, 1426-1431.	3.4	115
147	Chromatic Adaptation of Photosynthetic Membranes. Science, 2005, 309, 484-487.	12.6	269
148	The 4.5Ã... Structure of Human AQP2. Journal of Molecular Biology, 2005, 350, 278-289.	4.2	74
149	Membrane insertion of Rhodopseudomonas acidophila light harvesting complex 2 investigated by high resolution AFM. Journal of Structural Biology, 2005, 149, 79-86.	2.8	36
150	Architecture of the native photosynthetic apparatus of Phaeospirillum molischianum. Journal of Structural Biology, 2005, 152, 221-228.	2.8	78
151	Watching the components of photosynthetic bacterial membranes and their in situ organisation by atomic force microscopy. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1712, 109-127.	2.6	102
152	Carbohydrateâ€“carbohydrate interaction provides adhesion force and specificity for cellular recognition. Journal of Cell Biology, 2004, 165, 529-537.	5.2	129
153	Watching the photosynthetic apparatus in native membranes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11293-11297.	7.1	169
154	Variable LH2 stoichiometry and core clustering in native membranes of Rhodospirillum photometricum. EMBO Journal, 2004, 23, 4127-4133.	7.8	140
155	Structural Role of PufX in the Dimerization of the Photosynthetic Core Complex of Rhodobacter sphaeroides. Journal of Biological Chemistry, 2004, 279, 3620-3626.	3.4	116
156	AFM Characterization of Tilt and Intrinsic Flexibility of Rhodobacter sphaeroides Light Harvesting Complex 2 (LH2). Journal of Molecular Biology, 2003, 325, 569-580.	4.2	84
157	Nanodissection and high-resolution imaging of the Rhodopseudomonas viridis photosynthetic core complex in native membranes by AFM. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1690-1693.	7.1	237
158	Introduction to Atomic Force Microscopy (AFM) in Biology. Current Protocols in Protein Science, 2002, 29, Unit 17.7.	2.8	8
159	Sampling the conformational space of membrane protein surfaces with the AFM. European Biophysics Journal, 2002, 31, 172-178.	2.2	70
160	Imaging and manipulation of biological structures with the AFM. Micron, 2002, 33, 385-397.	2.2	364
161	Charting and unzipping the surface layer of Corynebacterium glutamicum with the atomic force microscope. Molecular Microbiology, 2002, 44, 675-684.	2.5	85
162	Twoâ€dimensional crystals: a powerful approach to assess structure, function and dynamics of membrane proteins. FEBS Letters, 2001, 504, 166-172.	2.8	83

#	Article	IF	Citations
163	Single Proteins Observed by Atomic Force Microscopy. Single Molecules, 2001, 2, 59-67.	0.9	65
164	High-resolution AFM topographs of Rubrivivax gelatinosus light-harvesting complex LH2. EMBO Journal, 2001, 20, 3029-3035.	7.8	113
165	Conformational Changes, Flexibilities and Intramolecular Forces Observed on Individual Proteins Using AFM. Single Molecules, 2000, 1, 115-118.	0.9	3
166	The aquaporin sidedness revisited. Journal of Molecular Biology, 2000, 299, 1271-1278.	4.2	20
167	Direct Observation of Postadsorption Aggregation of Antifreeze Glycoproteins on Silicates. Langmuir, 2000, 16, 5785-5789.	3.5	21
168	Imaging streptavidin 2D crystals on biotinylated lipid monolayers at high resolution with the atomic force microscope. Journal of Microscopy, 1999, 193, 28-35.	1.8	102
169	Electrostatically Balanced Subnanometer Imaging of Biological Specimens by Atomic Force Microscope. Biophysical Journal, 1999, 76, 1101-1111.	0.5	349
170	High resolution AFM topographs of the Escherichia coli water channel aquaporin Z. EMBO Journal, 1999, 18, 4981-4987.	7.8	176
171	A Novel Preparation Method for High Resolution AFM Introduced With 2d-Streptavidin Crystals Grown on a Biotinlipid Monolayer. Microscopy and Microanalysis, 1998, 4, 312-313.	0.4	0