Simon Scheuring

List of Publications by Year
in descending order

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	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
2	Imaging and manipulation of biological structures with the AFM. Micron, 2002, 33, 385-397.	2.2	364
3	Electrostatically Balanced Subnanometer Imaging of Biological Specimens by Atomic Force Microscope. Biophysical Journal, 1999, 76, 1101-1111.	0.5	349
4	Filming Biomolecular Processes by High-Speed Atomic Force Microscopy. Chemical Reviews, 2014, 114, 3120-3188.	47.7	320
5	Relaxation of Loaded ESCRT-III Spiral Springs Drives Membrane Deformation. Cell, 2015, 163, 866-879.	28.9	289
6	Chromatic Adaptation of Photosynthetic Membranes. Science, 2005, 309, 484-487.	12.6	269
7	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
8	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
9	High-Speed Force Spectroscopy Unfolds Titin at the Velocity of Molecular Dynamics Simulations. Science, 2013, 342, 741-743.	12.6	216
10	Force-induced conformational changes in PIEZO1. Nature, 2019, 573, 230-234.	27.8	216
11	Standardized Nanomechanical Atomic Force Microscopy Procedure (SNAP) for Measuring Soft and Biological Samples. Scientific Reports, 2017, 7, 5117.	3.3	195
12	Characterization of the motion of membrane proteins using high-speed atomic force microscopy. Nature Nanotechnology, 2012, 7, 525-529.	31.5	184
13	High-frequency microrheology reveals cytoskeleton dynamics in living cells. Nature Physics, 2017, 13, 771-775.	16.7	183
14	High resolution AFM topographs of the Escherichia coli water channel aquaporin Z. EMBO Journal, 1999, 18, 4981-4987.	7.8	176
15	Direct Measurement of the Mechanical Properties of Lipid Phases in Supported Bilayers. Biophysical Journal, 2012, 102, L01-L03.	0.5	174
16	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
17	Past, present and future of atomic force microscopy in life sciences and medicine. Journal of Molecular Recognition, 2007, 20, 418-431.	2.1	165
18	FÃ¶rster Energy Transfer Theory as Reflected in the Structures of Photosynthetic Lightâ€Harvesting Systems. ChemPhysChem, 2011, 12, 518-531.	2.1	142

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19	Variable LH2 stoichiometry and core clustering in native membranes of Rhodospirillum photometricum. EMBO Journal, 2004, 23, 4127-4133.	7.8	140
20	Supramolecular Assembly of VDAC in Native Mitochondrial Outer Membranes. Journal of Molecular Biology, 2007, 369, 413-418.	4.2	133
21	The Photosynthetic Apparatus of Rhodopseudomonas palustris: Structures and Organization. Journal of Molecular Biology, 2006, 358, 83-96.	4.2	130
22	Carbohydrateâ€"carbohydrate interaction provides adhesion force and specificity for cellular recognition. Journal of Cell Biology, 2004, 165, 529-537.	5.2	129
23	Mechanical Mapping of Single Membrane Proteins at Submolecular Resolution. Nano Letters, 2011, 11, 3983-3986.	9.1	122
24	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
25	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
26	High-resolution AFM topographs of Rubrivivax gelatinosus light-harvesting complex LH2. EMBO Journal, 2001, 20, 3029-3035.	7.8	113
27	Localization atomic force microscopy. Nature, 2021, 594, 385-390.	27.8	110
28	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
29	Structural, Mechanical, and Dynamical Variability of the Actin Cortex in Living Cells. Biophysical Journal, 2015, 108, 1330-1340.	0.5	106
30	Scanning probe microscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	103
31	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
32	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
33	Single-molecule studies of membrane proteins. Current Opinion in Structural Biology, 2006, 16, 489-495.	5.7	102
34	The supramolecular architecture of junctional microdomains in native lens membranes. EMBO Reports, 2007, 8, 51-55.	4.5	100
35	Two-chamber AFM: probing membrane proteins separating two aqueous compartments. Nature Methods, 2006, 3, 1007-1012.	19.0	97
36	High-speed atomic force microscopy shows that annexin V stabilizes membranes on the second timescale. Nature Nanotechnology, 2016, 11, 783-790.	31.5	96

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37	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
38	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
39	Charting and unzipping the surface layer of Corynebacterium glutamicum with the atomic force microscope. Molecular Microbiology, 2002, 44, 675-684.	2.5	85
40	Rows of ATP Synthase Dimers in Native Mitochondrial Inner Membranes. Biophysical Journal, 2007, 93, 2870-2876.	0.5	85
41	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
42	Twoâ€dimensional crystals: a powerful approach to assess structure, function and dynamics of membrane proteins. FEBS Letters, 2001, 504, 166-172.	2.8	83
43	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
44	Architecture of the native photosynthetic apparatus of Phaeospirillum molischianum. Journal of Structural Biology, 2005, 152, 221-228.	2.8	78
45	Cannabinoid-induced actomyosin contractility shapes neuronal morphology and growth. ELife, 2014, 3, e03159.	6.0	75
46	The 4.5Ã… Structure of Human AQP2. Journal of Molecular Biology, 2005, 350, 278-289.	4.2	74
47	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
48	Atomic force microscopy of the bacterial photosynthetic apparatus: plain pictures of an elaborate machinery. Photosynthesis Research, 2009, 102, 197-211.	2.9	73
49	Experimental Evidence for Membrane-Mediated Protein-Protein Interaction. Biophysical Journal, 2010, 99, L47-L49.	0.5	71
50	Sampling the conformational space of membrane protein surfaces with the AFM. European Biophysics Journal, 2002, 31, 172-178.	2.2	70
51	From high-resolution AFM topographs to atomic models of supramolecular assemblies. Journal of Structural Biology, 2007, 159, 268-276.	2.8	70
52	Highâ€resolution architecture of the outer membrane of the Gramâ€negative bacteria <i>Roseobacter denitrificans</i>. Molecular Microbiology, 2009, 74, 1211-1222.	2.5	68
53	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
54	Structural and Mechanical Heterogeneity of the Erythrocyte Membrane Reveals Hallmarks of Membrane Stability. ACS Nano, 2013, 7, 1054-1063.	14.6	66

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55	Structure and mechanism of bactericidal mammalian perforin-2, an ancient agent of innate immunity. Science Advances, 2020, 6, eaax8286.	10.3	66
56	Single Proteins Observed by Atomic Force Microscopy. Single Molecules, 2001, 2, 59-67.	0.9	65
57	AFM studies of the supramolecular assembly of bacterial photosynthetic core-complexes. Current Opinion in Chemical Biology, 2006, 10, 387-393.	6.1	65
58	High-speed AFM height spectroscopy reveals Âµs-dynamics of unlabeled biomolecules. Nature Communications, 2018, 9, 4983.	12.8	65
59	A hybrid high-speed atomic forceâ€"optical microscope for visualizing single membrane proteins on eukaryotic cells. Nature Communications, 2013, 4, 2155.	12.8	64
60	Ligand-induced structural changes in the cyclic nucleotide-modulated potassium channel MloK1. Nature Communications, 2014, 5, 3106.	12.8	59
61	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
62	Contact-Mode High-Resolution High-Speed Atomic Force Microscopy Movies of the Purple Membrane. Biophysical Journal, 2009, 97, 1354-1361.	0.5	58
63	Highâ€speed atomic force microscopy: Imaging and force spectroscopy. FEBS Letters, 2014, 588, 3631-3638.	2.8	58
64	Annexin-V stabilizes membrane defects by inducing lipid phase transition. Nature Communications, 2020, 11, 230.	12.8	58
65	Investigation of photosynthetic membrane structure using atomic force microscopy. Trends in Plant Science, 2013, 18, 277-286.	8.8	56
66	Human Cataract Lens Membrane at Subnanometer Resolution. Journal of Molecular Biology, 2007, 374, 162-169.	4.2	55
67	Energy Transfer in Light-Adapted Photosynthetic Membranes: From Active to Saturated Photosynthesis. Biophysical Journal, 2009, 97, 2464-2473.	0.5	54
68	Structural Information, Resolution, and Noise in High-Resolution Atomic Force Microscopy Topographs. Biophysical Journal, 2009, 96, 3822-3831.	0.5	51
69	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
70	Structural models of the supramolecular organization of AQP0 and connexons in junctional microdomains. Journal of Structural Biology, 2007, 160, 385-394.	2.8	48
71	Light Harvesting by Lamellar Chromatophores in Rhodospirillum photometricum. Biophysical Journal, 2014, 106, 2503-2510.	0.5	48
72	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

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73	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
74	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
75	An iris diaphragm mechanism to gate a cyclic nucleotide-gated ion channel. Nature Communications, 2018, 9, 3978.	12.8	44
76	Glasslike Membrane Protein Diffusion in a Crowded Membrane. ACS Nano, 2016, 10, 2584-2590.	14.6	43
77	Rhodopsin is spatially heterogeneously distributed in rod outer segment disk membranes. Journal of Molecular Recognition, 2011, 24, 483-489.	2.1	42
78	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
79	Dynamics and Diffusion in Photosynthetic Membranes from Rhodospirillum Photometricum. Biophysical Journal, 2006, 91, 3707-3717.	0.5	38
80	Native architecture of the photosynthetic membrane from Rhodobacter veldkampii. Journal of Structural Biology, 2011, 173, 138-145.	2.8	38
81	Î±-Helix Unwinding as Force Buffer in Spectrins. ACS Nano, 2018, 12, 2719-2727.	14.6	37
82	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
83	The architecture of Rhodobacter sphaeroides chromatophores. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1263-1270.	1.0	36
84	The hierarchical assembly of septins revealed by high-speed AFM. Nature Communications, 2020, 11, 5062.	12.8	35
85	Effect of Statins on the Nanomechanical Properties of Supported Lipid Bilayers. Biophysical Journal, 2016, 111, 363-372.	0.5	32
86	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
87	Quinone Pathways in Entire Photosynthetic Chromatophores of Rhodospirillum photometricum. Journal of Molecular Biology, 2009, 393, 27-35.	4.2	30
88	Mini review on the structure and supramolecular assembly of VDAC. Journal of Bioenergetics and Biomembranes, 2008, 40, 133-138.	2.3	29
89	Nanoholes by soft UV nanoimprint lithography applied to study of membrane proteins. Microelectronic Engineering, 2009, 86, 583-585.	2.4	29
90	High-speed atomic force microscopy: Structure and dynamics of single proteins. Current Opinion in Chemical Biology, 2011, 15, 704-709.	6.1	29

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91	Direct Visualization of KirBac3.1 Potassium Channel Gating by Atomic Force Microscopy. Journal of Molecular Biology, 2007, 374, 500-505.	4.2	28
92	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
93	Engineering a pH responsive pore forming protein. Scientific Reports, 2017, 7, 42231.	3.3	27
94	Millisecond dynamics of an unlabeled amino acid transporter. Nature Communications, 2020, 11, 5016.	12.8	27
95	Real-time visualization of conformational changes within single MloK1 cyclic nucleotide-modulated channels. Nature Communications, 2016, 7, 12789.	12.8	26
96	Introduction to Atomic Force Microscopy (AFM) in Biology. Current Protocols in Protein Science, 2009, 58, Unit 17.7.1-19.	2.8	25
97	Nanoreporter of an Enzymatic Suicide Inactivation Pathway. Nano Letters, 2020, 20, 7819-7827.	9.1	25
98	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
99	A novel phase-shift-based amplitude detector for a high-speed atomic force microscope. Review of Scientific Instruments, 2018, 89, 083704.	1.3	24
100	Chemically induced protein cage assembly with programmable opening and cargo release. Science Advances, 2022, 8, eabj9424.	10.3	24
101	Eye lens membrane junctional microdomains: a comparison between healthy and pathological cases. New Journal of Physics, 2011, 13, 085016.	2.9	23
102	Mechanics of proteins with a focus on atomic force microscopy. Journal of Nanobiotechnology, 2013, 11, S3.	9.1	23
103	Temperature-Switchable Control of Ligand Display on Adlayers of Mixed Poly(lysine)-<i>g</i>-(PEO) and Poly(lysine)-<i>g</i>-(ligand-modified poly-<i>N</i>-isopropylacrylamide). Biomacromolecules, 2016, 17, 1727-1736.	5.4	23
104	Identification of a Membrane-bound Prepore Species Clarifies the Lytic Mechanism of Actinoporins. Journal of Biological Chemistry, 2016, 291, 19210-19219.	3.4	23
105	Manipulating and imaging individual membrane proteins by AFM. Surface and Interface Analysis, 2006, 38, 1413-1418.	1.8	22
106	Temperatureâ€Controlled Highâ€Speed AFM: Realâ€Time Observation of Ripple Phase Transitions. Small, 2016, 12, 6106-6113.	10.0	22
107	High-Speed Atomic Force Microscopy Reveals the Inner Workings of the MinDE Protein Oscillator. Nano Letters, 2018, 18, 288-296.	9.1	22
108	TMEM16 scramblases thin the membrane to enable lipid scrambling. Nature Communications, 2022, 13, 2604.	12.8	22

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109	Direct Observation of Postadsorption Aggregation of Antifreeze Glycoproteins on Silicates. Langmuir, 2000, 16, 5785-5789.	3.5	21
110	The aquaporin sidedness revisited. Journal of Molecular Biology, 2000, 299, 1271-1278.	4.2	20
111	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
112	Real time dynamics of Gating-Related conformational changes in CorA. ELife, 2019, 8, .	6.0	19
113	Automated setpoint adjustment for biological contact mode atomic force microscopy imaging. Nanotechnology, 2010, 21, 035104.	2.6	18
114	Lysenin Toxin Membrane Insertion Is pH-Dependent but Independent of Neighboring Lysenins. Biophysical Journal, 2017, 113, 2029-2036.	0.5	17
115	Correlation of membrane protein conformational and functional dynamics. Nature Communications, 2021, 12, 4363.	12.8	17
116	Nanomechanical Characterization of the Stiffness of Eye Lens Cells: A Pilot Study. , 2012, 53, 2151.		16
117	Automated force controller for amplitude modulation atomic force microscopy. Review of Scientific Instruments, 2016, 87, 053705.	1.3	16
118	Single molecule kinetics of bacteriorhodopsin by HS-AFM. Nature Communications, 2021, 12, 7225.	12.8	16
119	Nanodissected elastically loaded clathrin lattices relax to increased curvature. Science Advances, 2021, 7, .	10.3	14
120	High-speed atomic force microscopy to study pore-forming proteins. Methods in Enzymology, 2021, 649, 189-217.	1.0	13
121	Two-Dimensional Kinetics of Inter-Connexin Interactions from Single-Molecule Force Spectroscopy. Journal of Molecular Biology, 2011, 412, 72-79.	4.2	11
122	High-Speed Force Spectroscopy for Single Protein Unfolding. Methods in Molecular Biology, 2018, 1814, 243-264.	0.9	10
123	Quantitative description of a contractile macromolecular machine. Science Advances, 2021, 7, .	10.3	9
124	Introduction to Atomic Force Microscopy (AFM) in Biology. Current Protocols in Protein Science, 2002, 29, Unit 17.7.	2.8	8
125	Snf7 spirals sense and alter membrane curvature. Nature Communications, 2022, 13, 2174.	12.8	8
126	High-Resolution Imaging and Force Measurement of Individual Membrane Proteins by AFM. Current Nanoscience, 2006, 2, 329-335.	1.2	7

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127	AFMBioMed Conference: Paris, France, August 2011. Journal of Molecular Recognition, 2012, 25, 239-240.	2.1	7
128	The mechanics of membrane proteins is a signature of biological function. Soft Matter, 2013, 9, 7866.	2.7	7
129	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
130	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
131	Fifteen years of <i>Servitude et Grandeur</i> to the application of a biophysical technique in medicine: The tale of AFMBioMed. Journal of Molecular Recognition, 2019, 32, e2773.	2.1	4
132	Structural dynamics of channels and transporters by high-speed atomic force microscopy. Methods in Enzymology, 2021, 652, 127-159.	1.0	4
133	Conformational Changes, Flexibilities and Intramolecular Forces Observed on Individual Proteins Using AFM. Single Molecules, 2000, 1, 115-118.	0.9	3
134	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
135	High Frequency Microrheology of Living Cells. Biophysical Journal, 2016, 110, 132a.	0.5	2
136	High-Speed AFM Force Spectroscopy Unfolds Titin at the Speed of Molecular Dynamics Simulations. Biophysical Journal, 2013, 104, 381a.	0.5	1
137	High-Speed Atomic Force Microscopy Tracks Toxin Action. Biophysical Journal, 2013, 105, 1292.	0.5	1
138	High-Speed Force Spectroscopy Unbinds Streptavidin-Biotin at the Velocity of Molecular Dynamics Simulations. Biophysical Journal, 2015, 108, 356a.	0.5	1
139	Development of Temperature-Controlled High-Speed AFM. Biophysical Journal, 2017, 112, 587a.	0.5	1
140	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
141	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
142	Binding Kinetics of Inter-Connexon Interaction. Biophysical Journal, 2011, 100, 564a.	0.5	0
143	Direct Observation of Junctional Microdomain Assembly. Biophysical Journal, 2012, 102, 297a.	0.5	0
144	Complete Lateral and Angular Diffusion and Protein-Protein Interaction Description of a Membrane Protein. Biophysical Journal, 2012, 102, 413a-414a.	0.5	0

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145	High-Speed Atomic Force Microscopy of Protein-Protein Interactions. Biophysical Journal, 2013, 104, 386a.	0.5	0
146	Atomic Force Microscopy Reveals the Structure and Dynamics of the Cell Cortex. Biophysical Journal, 2014, 106, 798a.	0.5	0
147	High-Speed Atomic Force Microscopy: Integration with Optical Microscopy and High-Speed Force Spectroscopy. Biophysical Journal, 2014, 106, 797a.	0.5	0
148	Cryo-Electron Microscopy of Potassium Channel Membrane Proteins. Microscopy and Microanalysis, 2014, 20, 1206-1207.	0.4	0
149	High-Speed Atomic Force Microscopy of ESCRT Protein Assembly. Biophysical Journal, 2015, 108, 353a.	0.5	0
150	Bringing Force Probe Molecular Dynamics Simulations Closer to Experiments. Biophysical Journal, 2015, 108, 166a.	0.5	0
151	Direct Visualization of Glutamate Transporter Transport Cycle. Biophysical Journal, 2016, 110, 178a-179a.	0.5	0
152	Recovery of ESCRT-III Filaments Subjected to Force: An â€˜Invasive Modeâ€™ HS-AFM Study. Biophysical Journal, 2017, 112, 92a.	0.5	0
153	Structural Dynamics of Endocytosis by High-Speed Atomic Force Microscopy. Biophysical Journal, 2017, 112, 92a.	0.5	0
154	Direct Visualization of Conformational Changes Related to Pentameric Receptor Ion Channel GLIC Gating. Biophysical Journal, 2017, 112, 321a.	0.5	0
155	MinDE Membrane Patch Oscillations Observed by High-Speed AFM. Biophysical Journal, 2017, 112, 328a.	0.5	0
156	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
157	A Simple and Fast Drift Correction Method for High-throughput Microscopy. Biophysical Journal, 2018, 114, 385a.	0.5	0
158	High-Speed Atomic Force Microscopy: A New Approach to Study Channels and Transporters. Biophysical Journal, 2018, 114, 7a.	0.5	0
159	The Annexin V Transmembrane Channel. Biophysical Journal, 2018, 114, 491a.	0.5	0
160	High-Speed AFM Correlation Spectroscopy (HS-AMF-CS): ÂµS Protein Dynamics without Labels. Biophysical Journal, 2018, 114, 70a-71a.	0.5	0
161	Investigating Membrane Curvature Dependence of Snf7 Polymerization using High-Speed Atomic Force Microscopy. Biophysical Journal, 2019, 116, 372a.	0.5	0
162	CLC Antiporter Dimerization Dynamics Revealed by Novel Developments in High-Speed AFM. Biophysical Journal, 2019, 116, 300a.	0.5	0

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163	Millisecond Time Resolution by HS-AFM Line Scanning of Fast GltPh Dynamics. Biophysical Journal, 2019, 116, 557a.	0.5	0
164	High-Speed Atomic Force Microscopy (HS-AFM) of Clathrin-Coated Pits. Biophysical Journal, 2019, 116, 92a.	0.5	0
165	Septin Hierarchical Assembly Revealed by High-Speed Atomic Force Microscopy(HS-AFM). Biophysical Journal, 2019, 116, 252a.	0.5	0
166	Structural Response of the Piezo Channel Upon Application of Force. Biophysical Journal, 2019, 116, 301a.	0.5	0
167	ESCRT-III Spirals are Loaded Springs that Govern Spontaneous Membrane Deformation. Biophysical Journal, 2020, 118, 617a.	0.5	0
168	Probing Single Membrane Proteins by Atomic Force Microscopy. , 2009, , 449-485.		0
169	High-Resolution Atomic Force Microscopy of Native Membranes. , 2011, , 21-44.		0
170	High-Resolution AFM Imaging of Native Biological Membranes. , 2013, , .		0
171	High-Resolution Atomic Force Microscopy of Native Membranes. , 2019, , 21-44.		0