

Toshio Ando

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

268
papers

9,699
citations

52
h-index

93
g-index

307
ext. papers

11,433
ext. citations

6.4
avg, IF

6.58
L-index

#	Paper	IF	Citations
268	An ultrafast piezoelectric Z-scanner with a resonance frequency above 1.1 MHz for high-speed atomic force microscopy.. <i>Review of Scientific Instruments</i> , 2022 , 93, 013701	1.7	2
267	Visualization of intrinsically disordered proteins by high-speed atomic force microscopy.. <i>Current Opinion in Structural Biology</i> , 2022 , 72, 260-266	8.1	4
266	Membrane-Remodeling Proteins. <i>Nanoscience and Technology</i> , 2022 , 183-200	0.6	
265	Substrate Surfaces. <i>Nanoscience and Technology</i> , 2022 , 143-149	0.6	
264	Overview of Bioimaging with HS-AFM. <i>Nanoscience and Technology</i> , 2022 , 123-142	0.6	
263	Intrinsically Disordered Proteins (IDPs). <i>Nanoscience and Technology</i> , 2022 , 201-225	0.6	
262	Tip-Scanning HS-AFM. <i>Nanoscience and Technology</i> , 2022 , 85-96	0.6	
261	Molecular Chaperones. <i>Nanoscience and Technology</i> , 2022 , 285-304	0.6	
260	Principle of AFM. <i>Nanoscience and Technology</i> , 2022 , 3-19	0.6	
259	Toward the Next Generation of HS-AFM. <i>Nanoscience and Technology</i> , 2022 , 107-120	0.6	0
258	Interactive HS-AFM (iHS-AFM). <i>Nanoscience and Technology</i> , 2022 , 97-101	0.6	
257	Peripheral Membrane Proteins (PMPs). <i>Nanoscience and Technology</i> , 2022 , 267-283	0.6	
256	Self-assembly. <i>Nanoscience and Technology</i> , 2022 , 227-241	0.6	
255	Canonical Motor Proteins. <i>Nanoscience and Technology</i> , 2022 , 151-182	0.6	
254	Structural Changes of Membrane Proteins. <i>Nanoscience and Technology</i> , 2022 , 243-266	0.6	
253	Influence of Tip-Sample Interactions on Specimens. <i>Nanoscience and Technology</i> , 2022 , 103-105	0.6	
252	HS-AFM System and Optimized Instrumental Components. <i>Nanoscience and Technology</i> , 2022 , 37-83	0.6	

251	Feedback Control and Imaging Rate. <i>Nanoscience and Technology</i> , 2022 , 29-36	0.6	
250	Other Topics. <i>Nanoscience and Technology</i> , 2022 , 305-314	0.6	
249	Architecture of zero-latency ultrafast amplitude detector for high-speed atomic force microscopy. <i>Applied Physics Letters</i> , 2021 , 119, 181602	3.4	3
248	Recent Advances in the Glass Pipet: from Fundament to Applications. <i>Analytical Chemistry</i> , 2021 ,	7.8	5
247	Nano-scale physical properties characteristic to metastatic intestinal cancer cells identified by high-speed scanning ion conductance microscope. <i>Biomaterials</i> , 2021 , 121256	15.6	5
246	Conformational Tuning of Amylin by Charged Styrene-maleic-acid Copolymers. <i>Journal of Molecular Biology</i> , 2021 , 434, 167385	6.5	1
245	Faster high-speed atomic force microscopy for imaging of biomolecular processes. <i>Review of Scientific Instruments</i> , 2021 , 92, 033705	1.7	7
244	High-Speed Atomic Force Microscopy Reveals Spatiotemporal Dynamics of Histone Protein H2A Involution by DNA Inchworming. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3837-3846	6.4	5
243	Movements of Mycoplasma mobile Gliding Machinery Detected by High-Speed Atomic Force Microscopy. <i>MBio</i> , 2021 , 12, e0004021	7.8	4
242	An ultra-wide scanner for large-area high-speed atomic force microscopy with megapixel resolution. <i>Scientific Reports</i> , 2021 , 11, 13003	4.9	4
241	Structural and dynamics analysis of intrinsically disordered proteins by high-speed atomic force microscopy. <i>Nature Nanotechnology</i> , 2021 , 16, 181-189	28.7	21
240	Millisecond Conformational Dynamics of Skeletal Myosin II Power Stroke Studied by High-Speed Atomic Force Microscopy. <i>ACS Nano</i> , 2021 , 15, 2229-2239	16.7	2
239	Biophysical reviews top five: atomic force microscopy in biophysics. <i>Biophysical Reviews</i> , 2021 , 13, 455-458	3.7	0
238	Chained Structure of Dimeric F-like ATPase in Mycoplasma mobile Gliding Machinery. <i>MBio</i> , 2021 , 12, e0141421	7.8	7
237	Millisecond dynamic of SARS-CoV-2 spike and its interaction with ACE2 receptor and small extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12170	16.4	5
236	Capturing transient antibody conformations with DNA origami epitopes. <i>Nature Communications</i> , 2020 , 11, 3114	17.4	26
235	Dynamics of oligomer and amyloid fibril formation by yeast prion Sup35 observed by high-speed atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7831-7836	11.5	15
234	Diversity of physical properties of bacterial extracellular membrane vesicles revealed through atomic force microscopy phase imaging. <i>Nanoscale</i> , 2020 , 12, 7950-7959	7.7	12

233	Spatiotemporally tracking of nano-biofilaments inside the nuclear pore complex core. <i>Biomaterials</i> , 2020 , 256, 120198	15.6	8
232	Phase separation organizes the site of autophagosome formation. <i>Nature</i> , 2020 , 578, 301-305	50.4	138
231	Biophysics in Kanazawa University. <i>Biophysical Reviews</i> , 2020 , 12, 249-251	3.7	1
230	High-Speed Atomic Force Microscopy to Study Myosin Motility. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1239, 127-152	3.6	2
229	Self- and Cross-Seeding on β -Synuclein Fibril Growth Kinetics and Structure Observed by High-Speed Atomic Force Microscopy. <i>ACS Nano</i> , 2020 , 14, 9979-9989	16.7	7
228	Studies on the impellers generating force in muscle. <i>Biophysical Reviews</i> , 2020 , 12, 767-769	3.7	0
227	Geometrical Characterization of Glass Nanopipettes with Sub-10 nm Pore Diameter by Transmission Electron Microscopy. <i>Analytical Chemistry</i> , 2020 , 92, 15388-15393	7.8	8
226	Two-State Exchange Dynamics in Membrane-Embedded Oligosaccharyltransferase Observed in Real-Time by High-Speed AFM. <i>Journal of Molecular Biology</i> , 2020 , 432, 5951-5965	6.5	2
225	High-Speed Atomic Force Microscopy Reveals Factors Affecting the Processivity of Chitinases during Interfacial Enzymatic Hydrolysis of Crystalline Chitin. <i>ACS Catalysis</i> , 2020 , 10, 13606-13615	13.1	4
224	High-Speed AFM Reveals Molecular Dynamics of Human Influenza A Hemagglutinin and Its Interaction with Exosomes. <i>Nano Letters</i> , 2020 , 20, 6320-6328	11.5	13
223	High-speed near-field fluorescence microscopy combined with high-speed atomic force microscopy for biological studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129325	4	15
222	Direct visualization of avian influenza H5N1 hemagglutinin precursor and its conformational change by high-speed atomic force microscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129313	4	11
221	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. <i>Structure</i> , 2019 , 27, 965-976.e6	5.2	23
220	Inner lumen proteins stabilize doublet microtubules in cilia and flagella. <i>Nature Communications</i> , 2019 , 10, 1143	17.4	59
219	Metastable asymmetrical structure of a shaftless V motor. <i>Science Advances</i> , 2019 , 5, eaau8149	14.3	6
218	High-speed atomic force microscopy. <i>Current Opinion in Chemical Biology</i> , 2019 , 51, 105-112	9.7	34
217	Thermally Driven Approach To Fill Sub-10-nm Pipettes with Batch Production. <i>Analytical Chemistry</i> , 2019 , 91, 14080-14084	7.8	13
216	A cationic polymethacrylate-copolymer acts as an agonist for β -amyloid and an antagonist for amylin fibrillation. <i>Chemical Science</i> , 2019 , 10, 3976-3986	9.4	40

215	Development of high-speed ion conductance microscopy. <i>Review of Scientific Instruments</i> , 2019 , 90, 123704	10.4	19
214	Structure of the mitochondrial import gate reveals distinct preprotein paths. <i>Nature</i> , 2019 , 575, 395-401	50.4	81
213	The induction of RANKL molecule clustering could stimulate early osteoblast differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 509, 435-440	3.4	11
212	Structure of the UHRF1 Tandem Tudor Domain Bound to a Methylated Non-histone Protein, LIG1, Reveals Rules for Binding and Regulation. <i>Structure</i> , 2019 , 27, 485-496.e7	5.2	24
211	Single-Unit Imaging of Membrane Protein-Embedded Nanodiscs from Two Oriented Sides by High-Speed Atomic Force Microscopy. <i>Structure</i> , 2019 , 27, 152-160.e3	5.2	12
210	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. <i>Science Advances</i> , 2018 , 4, eaao7054	14.3	37
209	Quantum-dot antibody conjugation visualized at the single-molecule scale with high-speed atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 267-274	6	7
208	Negatively Charged Lipids Are Essential for Functional and Structural Switch of Human 2-Cys Peroxiredoxin II. <i>Journal of Molecular Biology</i> , 2018 , 430, 602-610	6.5	7
207	High-speed atomic force microscopy and its future prospects. <i>Biophysical Reviews</i> , 2018 , 10, 285-292	3.7	88
206	Real-Time Monitoring of Lipid Exchange via Fusion of Peptide Based Lipid-Nanodiscs. <i>Chemistry of Materials</i> , 2018 , 30, 3204-3207	9.6	18
205	Revealing circadian mechanisms of integration and resilience by visualizing clock proteins working in real time. <i>Nature Communications</i> , 2018 , 9, 3245	17.4	29
204	Dynamic structural states of ClpB involved in its disaggregation function. <i>Nature Communications</i> , 2018 , 9, 2147	17.4	37
203	Direct Imaging of Walking Myosin V by High-Speed Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2018 , 1805, 103-122	1.4	4
202	Free Energy Landscape and Dynamics of Supercoiled DNA by High-Speed Atomic Force Microscopy. <i>ACS Nano</i> , 2018 , 12, 11907-11916	16.7	22
201	The 2018 correlative microscopy techniques roadmap. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 4430031	3	63
200	Substrate protein dependence of GroEL-GroES interaction cycle revealed by high-speed atomic force microscopy imaging. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	10
199	Dynamic clustering of dynamin-amphiphysin helices regulates membrane constriction and fission coupled with GTP hydrolysis. <i>ELife</i> , 2018 , 7,	8.9	27
198	High-Speed Atomic Force Microscopy Reveals Loss of Nuclear Pore Resilience as a Dying Code in Colorectal Cancer Cells. <i>ACS Nano</i> , 2017 , 11, 5567-5578	16.7	31

197	Imaging modes of atomic force microscopy for application in molecular and cell biology. <i>Nature Nanotechnology</i> , 2017 , 12, 295-307	28.7	494
196	High-speed XYZ-nanopositioner for scanning ion conductance microscopy. <i>Applied Physics Letters</i> , 2017 , 111, 113106	3.4	46
195	High-speed atomic force microscopy imaging of live mammalian cells. <i>Biophysics and Physicobiology</i> , 2017 , 14, 127-135	1.4	23
194	Directly watching biomolecules in action by high-speed atomic force microscopy. <i>Biophysical Reviews</i> , 2017 , 9, 421-429	3.7	28
193	Real-space and real-time dynamics of CRISPR-Cas9 visualized by high-speed atomic force microscopy. <i>Nature Communications</i> , 2017 , 8, 1430	17.4	119
192	Na-induced structural transition of MotPS for stator assembly of the flagellar motor. <i>Science Advances</i> , 2017 , 3, eaao4119	14.3	35
191	Visualization of Living Cells by High-speed Atomic Force Microscopy. <i>Seibutsu Butsuri</i> , 2016 , 56, 159-161 ○		
190	Functional extension of high-speed AFM for wider biological applications. <i>Ultramicroscopy</i> , 2016 , 160, 182-196	3.1	47
189	The Intrinsically Disordered Protein Atg13 Mediates Supramolecular Assembly of Autophagy Initiation Complexes. <i>Developmental Cell</i> , 2016 , 38, 86-99	10.2	108
188	Chaperonin GroEL-GroES Functions as both Alternating and Non-Alternating Engines. <i>Journal of Molecular Biology</i> , 2016 , 428, 3090-101	6.5	16
187	High-speed atomic force microscopy reveals strongly polarized movement of clostridial collagenase along collagen fibrils. <i>Scientific Reports</i> , 2016 , 6, 28975	4.9	21
186	Long-tip high-speed atomic force microscopy for nanometer-scale imaging in live cells. <i>Scientific Reports</i> , 2015 , 5, 8724	4.9	71
185	CYK4 promotes antiparallel microtubule bundling by optimizing MKLP1 neck conformation. <i>PLoS Biology</i> , 2015 , 13, e1002121	9.7	20
184	Potential Prepore Trimer Formation by the <i>Bacillus thuringiensis</i> Mosquito-specific Toxin: MOLECULAR INSIGHTS INTO A CRITICAL PREREQUISITE OF MEMBRANE-BOUND MONOMERS. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20793-20803	5.4	16
183	Method of mechanical holding of cantilever chip for tip-scan high-speed atomic force microscope. <i>Review of Scientific Instruments</i> , 2015 , 86, 063703	1.7	5
182	Two-ball structure of the flagellar hook-length control protein FliK as revealed by high-speed atomic force microscopy. <i>Journal of Molecular Biology</i> , 2015 , 427, 406-14	6.5	21
181	Probing structural dynamics of an artificial protein cage using high-speed atomic force microscopy. <i>Nano Letters</i> , 2015 , 15, 1331-5	11.5	24
180	Cofilin-induced unidirectional cooperative conformational changes in actin filaments revealed by high-speed atomic force microscopy. <i>ELife</i> , 2015 , 4,	8.9	86

179	Author response: Cofilin-induced unidirectional cooperative conformational changes in actin filaments revealed by high-speed atomic force microscopy 2015 ,		3
178	Single-molecule imaging analysis of elementary reaction steps of <i>Trichoderma reesei</i> cellobiohydrolase I (Cel7A) hydrolyzing crystalline cellulose I _B and III _B . <i>Journal of Biological Chemistry</i> , 2014 , 289, 14056-65	5.4	38
177	IgGs are made for walking on bacterial and viral surfaces. <i>Nature Communications</i> , 2014 , 5, 4394	17.4	80
176	Trade-off between processivity and hydrolytic velocity of cellobiohydrolases at the surface of crystalline cellulose. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4584-92	16.4	64
175	High-speed AFM imaging. <i>Current Opinion in Structural Biology</i> , 2014 , 28, 63-8	8.1	60
174	Filming biomolecular processes by high-speed atomic force microscopy. <i>Chemical Reviews</i> , 2014 , 114, 3120-88	68.1	236
173	The path to visualization of walking myosin V by high-speed atomic force microscopy. <i>Biophysical Reviews</i> , 2014 , 6, 237-260	3.7	23
172	Two-way traffic of glycoside hydrolase family 18 processive chitinases on crystalline chitin. <i>Nature Communications</i> , 2014 , 5, 3975	17.4	66
171	Multiple interactions of the intrinsically disordered region between the helicase and nuclease domains of the archaeal Hef protein. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21627-39	5.4	30
170	Role of trimer-trimer interaction of bacteriorhodopsin studied by optical spectroscopy and high-speed atomic force microscopy. <i>Journal of Structural Biology</i> , 2013 , 184, 2-11	3.4	33
169	High-speed atomic force microscopy. <i>Microscopy (Oxford, England)</i> , 2013 , 62, 81-93	1.3	23
168	High-speed atomic force microscope combined with single-molecule fluorescence microscope. <i>Review of Scientific Instruments</i> , 2013 , 84, 073706	1.7	50
167	Real-time visualization of assembling of a sphingomyelin-specific toxin on planar lipid membranes. <i>Biophysical Journal</i> , 2013 , 105, 1397-405	2.9	42
166	High-speed atomic force microscopic observation of ATP-dependent rotation of the AAA+ chaperone p97. <i>Structure</i> , 2013 , 21, 1992-2002	5.2	34
165	Molecular machines directly observed by high-speed atomic force microscopy. <i>FEBS Letters</i> , 2013 , 587, 997-1007	3.8	15
164	Metabolome profiling of floral scent production in <i>Petunia axillaris</i> . <i>Phytochemistry</i> , 2013 , 90, 37-42	4	9
163	High-speed AFM and applications to biomolecular systems. <i>Annual Review of Biophysics</i> , 2013 , 42, 393-414	14.1	181
162	Phosphorylation-coupled intramolecular dynamics of unstructured regions in chromatin remodeler FACT. <i>Biophysical Journal</i> , 2013 , 104, 2222-34	2.9	16

161	Wide-area scanner for high-speed atomic force microscopy. <i>Review of Scientific Instruments</i> , 2013 , 84, 053702	1.7	75
160	Page Data Multiplexing for Vector Wave Memories Having Polarization Recording Material Doped with Aromatic Ketone Derivative. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 09LD15	1.4	1
159	1P305 Combined system of High-speed-AFM and optical microscopy(27. Bioimaging,Poster). <i>Seibutsu Butsuri</i> , 2013 , 53, S156	0	
158	1P157 High-Speed-AFM Observation of Processive Movement of Cytoplasmic Dynein(11.Molecular motor,Poster,The 51st Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2013 , 53, S131	0	
157	High-Speed AFM and Imaging of Biomolecular Processes 2013 ,		3
156	Real Time Single Molecular Imaging of Enzymatic Degradation of Crystalline Cellulose by High-speed Atomic Force Microscopy. <i>Seibutsu Butsuri</i> , 2013 , 53, 140-144	0	
155	2-3 Bioimaging by High-speed Atomic Force Microscopy. <i>Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers</i> , 2013 , 67, 753-759	0	
154	Tandemly arranged chalcone synthase A genes contribute to the spatially regulated expression of siRNA and the natural bicolor floral phenotype in <i>Petunia hybrida</i> . <i>Plant Journal</i> , 2012 , 70, 739-49	6.9	56
153	Guide to video recording of structure dynamics and dynamic processes of proteins by high-speed atomic force microscopy. <i>Nature Protocols</i> , 2012 , 7, 1193-206	18.8	174
152	Visualization of cellobiohydrolase I from <i>Trichoderma reesei</i> moving on crystalline cellulose using high-speed atomic force microscopy. <i>Methods in Enzymology</i> , 2012 , 510, 169-82	1.7	20
151	Single-molecule imaging on living bacterial cell surface by high-speed AFM. <i>Journal of Molecular Biology</i> , 2012 , 422, 300-9	6.5	88
150	RNA silencing in white petunia flowers creates pigmentation patterns invisible to the human eye. <i>Journal of Plant Physiology</i> , 2012 , 169, 920-3	3.6	3
149	High-Speed AFM for Observing Dynamic Processes in Liquid 2012 , 189-209		2
148	Visualization of mobility by atomic force microscopy. <i>Methods in Molecular Biology</i> , 2012 , 896, 57-69	1.4	16
147	High-speed atomic force microscopy coming of age. <i>Nanotechnology</i> , 2012 , 23, 062001	3.4	252
146	High-Speed Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 08KA02	1.4	13
145	3PS016 Development of "hopping-mode" high speed atomic force microscopy (AFM)(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012 , 52, S148	0	
144	3F1058 OBSERVATION OF TRANSMEMBRANE PROTEIN BY HIGH SPEED ATOMIC FORCE MICROSCOPY : BACTERIORHODOPSIN D85S MUTANT, A CHLORIDE PUMP(Membrane Proteins,Oral Presentation). <i>Seibutsu Butsuri</i> , 2012 , 52, S67	0	

143	2G1534 Single molecular observation of CFTR channels by high speed AFM(Biological & Artificial Membranes, Oral Presentation, The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012 , 52, S51	0	
142	High-Speed Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 08KA02	1.4	20
141	Nanovisualization of Proteins in Action Using High-Speed AFM 2012 , 119-147		
140	Traffic jams reduce hydrolytic efficiency of cellulase on cellulose surface. <i>Science</i> , 2011 , 333, 1279-82	33.3	439
139	Dynamics of nucleosomes assessed with time-lapse high-speed atomic force microscopy. <i>Biochemistry</i> , 2011 , 50, 7901-8	3.2	94
138	Imaging of nucleic acids with atomic force microscopy. <i>Methods</i> , 2011 , 54, 274-83	4.6	118
137	Self-assembly properties and dynamics of synthetic proteo-nucleic building blocks in solution and on surfaces. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1824-34	6.3	9
136	3K1322 Live cell surface imaging of magnetic bacteria at molecular resolution by high speed AFM(Cell biology 4, The 49th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2011 , 51, S145-S146	0	
135	High-speed atomic force microscopy reveals rotary catalysis of rotorless F ₁ ATPase. <i>Science</i> , 2011 , 333, 755-8	33.3	336
134	Structural Changes in Bacteriorhodopsin in Response to Alternate Illumination Observed by High-Speed Atomic Force Microscopy. <i>Angewandte Chemie</i> , 2011 , 123, 4502-4505	3.6	6
133	Structural changes in bacteriorhodopsin in response to alternate illumination observed by high-speed atomic force microscopy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4410-3	16.4	49
132	Direct observation of surfactant aggregate behavior on a mica surface using high-speed atomic force microscopy. <i>Chemical Communications</i> , 2011 , 47, 4974-6	5.8	32
131	Angular Spacing Control for Segmented Data Pages in Angle-Multiplexed Holographic Memory. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09ME02	1.4	2
130	Angular Spacing Control for Segmented Data Pages in Angle-Multiplexed Holographic Memory. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09ME02	1.4	4
129	High-speed atomic force microscopy and biomolecular processes. <i>Methods in Molecular Biology</i> , 2011 , 736, 285-300	1.4	13
128	Techniques Developed for High-Speed AFM. <i>Lecture Notes in Control and Information Sciences</i> , 2011 , 1-16	0.5	
127	Video Imaging of Protein Molecules in Action by High-speed Atomic Force Microscopy. <i>Seibutsu Butsuri</i> , 2011 , 51, 022-025	0	0
126	High-Speed Atomic Force Microscopy for Dynamic Biological Imaging 2011 , 163-184		

125	Video imaging of walking myosin V by high-speed atomic force microscopy. <i>Nature</i> , 2010 , 468, 72-6	50.4	612
124	High-speed atomic force microscopy shows dynamic molecular processes in photoactivated bacteriorhodopsin. <i>Nature Nanotechnology</i> , 2010 , 5, 208-12	28.7	235
123	3P170 Nano-dissection of the head of Chlamydomonas dynein-c using high-speed AFM(Molecular motor,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S174-S175		
122	1P177 Observation of conformational change of β subunit in $\beta\gamma$ subcomplex of F ₁ -ATPase by high-speed AFM(Molecular motor,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S50	0	
121	Deciphering the structure, growth and assembly of amyloid-like fibrils using high-speed atomic force microscopy. <i>PLoS ONE</i> , 2010 , 5, e13240	3.7	57
120	Biology and Nanotechnology. <i>Hyomen Kagaku</i> , 2010 , 31, 373-373		
119	AAA+ chaperone ClpX regulates dynamics of prokaryotic cytoskeletal protein FtsZ. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6648-57	5.4	40
118	Holographic Read-Only Memory Fabricated by Deposition of Reflector after Writing Process with Aromatic Photopolymer Recording Layer. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 08KD02	1.4	3
117	Collaborative non-self recognition system in S-RNase-based self-incompatibility. <i>Science</i> , 2010 , 330, 796-9	3.3	211
116	Visualization and structural analysis of the bacterial magnetic organelle magnetosome using atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9382-7	11.5	49
115	Surface topography of membrane domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 703-18	3.8	102
114	High-speed atomic force microscopy techniques for observing dynamic biomolecular processes. <i>Methods in Enzymology</i> , 2010 , 475, 541-64	1.7	52
113	Molecular evidence that most RNAs required for germination and pollen tube growth are stored in the mature pollen grain in petunia. <i>Genes and Genetic Systems</i> , 2010 , 85, 259-63	1.4	8
112	2SE1500 Visualization of dynamic molecular processes in photoactivated Bacteriorhodopsin by high-speed AFM(2SE Overviewing Multilateral Approaches to Rhodopsin Systems,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S16	0	
111	1P036 Role of the chaperonin GroES in the folding of substrate proteins(Protein:Structure & Function,The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S25	0	
110	2P279 1A1520 Role of aromatic residue for inter-molecular interaction between bacteriorhodopsin trimer studied by high-speed AFM(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S132	0	
109	2P325 Single molecular observations of processive glycosidases by high-speed atomic force microscopy(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S140	0	
108	2P093 Observation of the phosphorylated intrinsically disordered region of FACT with high-speed AFM(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S98	0	

107	2P094 Direct visualization of intrinsically disordered proteins PQBP-1 and FliK using high-speed atomic force microscopy(The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2010 , 50, S98	0	
106	High-speed Atomic Force Microscopy for Capturing Dynamic Behavior of Biological Molecules. <i>Hyomen Kagaku</i> , 2010 , 31, 405-410		1
105	Dynamics of bacteriorhodopsin 2D crystal observed by high-speed atomic force microscopy. <i>Journal of Structural Biology</i> , 2009 , 167, 153-8	3.4	81
104	Contact-mode high-resolution high-speed atomic force microscopy movies of the purple membrane. <i>Biophysical Journal</i> , 2009 , 97, 1354-61	2.9	49
103	Streptavidin 2D crystal substrates for visualizing biomolecular processes by atomic force microscopy. <i>Biophysical Journal</i> , 2009 , 97, 2358-67	2.9	59
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