

# Toshio Ando

## List of Publications by Citations

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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	Video imaging of walking myosin V by high-speed atomic force microscopy. <i>Nature</i> , <b>2010</b> , 468, 72-6	50.4	612
267	Imaging modes of atomic force microscopy for application in molecular and cell biology. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 295-307	28.7	494
266	Traffic jams reduce hydrolytic efficiency of cellulase on cellulose surface. <i>Science</i> , <b>2011</b> , 333, 1279-82	33.3	439
265	High-speed atomic force microscopy for nano-visualization of dynamic biomolecular processes. <i>Progress in Surface Science</i> , <b>2008</b> , 83, 337-437	6.6	422
264	High-speed atomic force microscopy reveals rotary catalysis of rotorless F <sub>1</sub> ATPase. <i>Science</i> , <b>2011</b> , 333, 755-8	33.3	336
263	High-speed atomic force microscopy coming of age. <i>Nanotechnology</i> , <b>2012</b> , 23, 062001	3.4	252
262	Filming biomolecular processes by high-speed atomic force microscopy. <i>Chemical Reviews</i> , <b>2014</b> , 114, 3120-88	68.1	236
261	High-speed atomic force microscopy shows dynamic molecular processes in photoactivated bacteriorhodopsin. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 208-12	28.7	235
260	Collaborative non-self recognition system in S-RNase-based self-incompatibility. <i>Science</i> , <b>2010</b> , 330, 796-9	33.3	211
259	High-speed AFM and nano-visualization of biomolecular processes. <i>Pflügers Archiv European Journal of Physiology</i> , <b>2008</b> , 456, 211-25	4.6	190
258	High-speed AFM and applications to biomolecular systems. <i>Annual Review of Biophysics</i> , <b>2013</b> , 42, 393-414	14.1	181
257	Direct observation of processive movement by individual myosin V molecules. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 272, 586-90	3.4	179
256	Guide to video recording of structure dynamics and dynamic processes of proteins by high-speed atomic force microscopy. <i>Nature Protocols</i> , <b>2012</b> , 7, 1193-206	18.8	174
255	Dynamic proportional-integral-differential controller for high-speed atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 083704	1.7	156
254	Active damping of the scanner for high-speed atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 053708	1.7	141
253	Phase separation organizes the site of autophagosome formation. <i>Nature</i> , <b>2020</b> , 578, 301-305	50.4	138
252	Real-space and real-time dynamics of CRISPR-Cas9 visualized by high-speed atomic force microscopy. <i>Nature Communications</i> , <b>2017</b> , 8, 1430	17.4	119

251	Imaging of nucleic acids with atomic force microscopy. <i>Methods</i> , <b>2011</b> , 54, 274-83	4.6	118
250	The Intrinsically Disordered Protein Atg13 Mediates Supramolecular Assembly of Autophagy Initiation Complexes. <i>Developmental Cell</i> , <b>2016</b> , 38, 86-99	10.2	108
249	A High-Speed Atomic Force Microscope for Studying Biological Macromolecules in Action. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 4851-4856	1.4	107
248	Surface topography of membrane domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 703-18	3.8	102
247	Fast-scanning atomic force microscopy reveals the ATP/ADP-dependent conformational changes of GroEL. <i>EMBO Journal</i> , <b>2006</b> , 25, 4567-76	13	98
246	Dynamics of nucleosomes assessed with time-lapse high-speed atomic force microscopy. <i>Biochemistry</i> , <b>2011</b> , 50, 7901-8	3.2	94
245	A high-speed atomic force microscope for studying biological macromolecules in action. <i>ChemPhysChem</i> , <b>2003</b> , 4, 1196-202	3.2	91
244	High-speed atomic force microscopy and its future prospects. <i>Biophysical Reviews</i> , <b>2018</b> , 10, 285-292	3.7	88
243	Single-molecule imaging on living bacterial cell surface by high-speed AFM. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 300-9	6.5	88
242	Cofilin-induced unidirectional cooperative conformational changes in actin filaments revealed by high-speed atomic force microscopy. <i>ELife</i> , <b>2015</b> , 4,	8.9	86
241	Polarized actin bundles formed by human fascin-1: their sliding and disassembly on myosin II and myosin V in vitro. <i>Journal of Neurochemistry</i> , <b>2003</b> , 87, 676-85	6	85
240	Visualization of intrinsically disordered regions of proteins by high-speed atomic force microscopy. <i>ChemPhysChem</i> , <b>2008</b> , 9, 1859-66	3.2	84
239	Dynamics of bacteriorhodopsin 2D crystal observed by high-speed atomic force microscopy. <i>Journal of Structural Biology</i> , <b>2009</b> , 167, 153-8	3.4	81
238	Structure of the mitochondrial import gate reveals distinct preprotein paths. <i>Nature</i> , <b>2019</b> , 575, 395-401	50.4	81
237	IgGs are made for walking on bacterial and viral surfaces. <i>Nature Communications</i> , <b>2014</b> , 5, 4394	17.4	80
236	High-speed Atomic Force Microscopy for Capturing Dynamic Behavior of Protein Molecules at Work. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2005</b> , 3, 384-392	0.7	77
235	Wide-area scanner for high-speed atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 053702	1.7	75
234	Long-tip high-speed atomic force microscopy for nanometer-scale imaging in live cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 8724	4.9	71

233	Evidence that intragenic recombination contributes to allelic diversity of the S-RNase gene at the self-incompatibility (S) locus in <i>Petunia inflata</i> . <i>Plant Physiology</i> , <b>2001</b> , 125, 1012-22	6.6	68
232	Two-way traffic of glycoside hydrolase family 18 processive chitinases on crystalline chitin. <i>Nature Communications</i> , <b>2014</b> , 5, 3975	17.4	66
231	High-Speed Atomic Force Microscopy for Studying the Dynamic Behavior of Protein Molecules at Work. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 1897-1903	1.4	66
230	Trade-off between processivity and hydrolytic velocity of cellobiohydrolases at the surface of crystalline cellulose. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4584-92	16.4	64
229	Nuclear DNA Content as an Index Character Discriminating Taxa in the Genus <i>Petunia</i> sensu Jussieu (Solanaceae). <i>Annals of Botany</i> , <b>2000</b> , 85, 665-673	4.1	64
228	Floral anthocyanins in wild taxa of <i>Petunia</i> (Solanaceae). <i>Biochemical Systematics and Ecology</i> , <b>1999</b> , 27, 623-650	1.4	63
227	The 2018 correlative microscopy techniques roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 443003	1	63
226	Scanning force microscopy of the interaction events between a single molecule of heavy meromyosin and actin. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 234, 178-82	3.4	62
225	Effect of temperature on the floral scent emission and endogenous volatile profile of <i>Petunia axillaris</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2008</b> , 72, 110-5	2.1	62
224	High resonance frequency force microscope scanner using inertia balance support. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 243119	3.4	61
223	High-speed AFM imaging. <i>Current Opinion in Structural Biology</i> , <b>2014</b> , 28, 63-8	8.1	60
222	High-speed atomic force microscopy for observing dynamic biomolecular processes. <i>Journal of Molecular Recognition</i> , <b>2007</b> , 20, 448-58	2.6	60
221	Inner lumen proteins stabilize doublet microtubules in cilia and flagella. <i>Nature Communications</i> , <b>2019</b> , 10, 1143	17.4	59
220	Streptavidin 2D crystal substrates for visualizing biomolecular processes by atomic force microscopy. <i>Biophysical Journal</i> , <b>2009</b> , 97, 2358-67	2.9	59
219	Deciphering the structure, growth and assembly of amyloid-like fibrils using high-speed atomic force microscopy. <i>PLoS ONE</i> , <b>2010</b> , 5, e13240	3.7	57
218	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> , <b>2012</b> , 70, 739-49	6.9	56
217	Tip-sample distance control using photothermal actuation of a small cantilever for high-speed atomic force microscopy. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 083702	1.7	56
216	High-speed atomic force microscopy techniques for observing dynamic biomolecular processes. <i>Methods in Enzymology</i> , <b>2010</b> , 475, 541-64	1.7	52

215	Emission mechanism of floral scent in <i>Petunia axillaris</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2005</b> , 69, 773-7	2.1	52
214	High-speed atomic force microscope combined with single-molecule fluorescence microscope. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 073706	1.7	50
213	Structural changes in bacteriorhodopsin in response to alternate illumination observed by high-speed atomic force microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4410-3	16.4	49
212	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> , <b>2010</b> , 107, 9382-7	11.5	49
211	Contact-mode high-resolution high-speed atomic force microscopy movies of the purple membrane. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1354-61	2.9	49
210	Anisotropic diffusion of point defects in a two-dimensional crystal of streptavidin observed by high-speed atomic force microscopy. <i>Nanotechnology</i> , <b>2008</b> , 19, 384009	3.4	48
209	Duplication of the S-locus F-box gene is associated with breakdown of pollen function in an S-haplotype identified in a natural population of self-incompatible <i>Petunia axillaris</i> . <i>Plant Molecular Biology</i> , <b>2005</b> , 57, 141-53	4.6	48
208	Functional extension of high-speed AFM for wider biological applications. <i>Ultramicroscopy</i> , <b>2016</b> , 160, 182-196	3.1	47
207	High-speed XYZ-nanopositioner for scanning ion conductance microscopy. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 113106	3.4	46
206	Phylogenetic analysis of <i>Petunia sensu Jussieu</i> (Solanaceae) using chloroplast DNA RFLP. <i>Annals of Botany</i> , <b>2005</b> , 96, 289-97	4.1	44
205	Successive glycosyltransfer activity and enzymatic characterization of pectic polygalacturonate 4-alpha-galacturonosyltransferase solubilized from pollen tubes of <i>Petunia axillaris</i> using pyridylaminated oligogalacturonates as substrates. <i>Plant Physiology</i> , <b>2002</b> , 130, 374-9	6.6	43
204	Real-time visualization of assembling of a sphingomyelin-specific toxin on planar lipid membranes. <i>Biophysical Journal</i> , <b>2013</b> , 105, 1397-405	2.9	42
203	Fast phase imaging in liquids using a rapid scan atomic force microscope. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 213112	3.4	42
202	Breakdown of self-incompatibility in a natural population of <i>Petunia axillaris</i> caused by a modifier locus that suppresses the expression of an S-RNase gene. <i>Sexual Plant Reproduction</i> , <b>2003</b> , 15, 255-263		41
201	AAA+ chaperone ClpX regulates dynamics of prokaryotic cytoskeletal protein FtsZ. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 6648-57	5.4	40
200	Identification of the single specific IQ motif of myosin V from which calmodulin dissociates in the presence of Ca <sup>2+</sup> . <i>Biochemistry</i> , <b>2006</b> , 45, 11598-604	3.2	40
199	Breakdown of self-incompatibility in a natural population of <i>Petunia axillaris</i> caused by loss of pollen function. <i>Plant Physiology</i> , <b>2003</b> , 131, 1903-12	6.6	40
198	A cationic polymethacrylate-copolymer acts as an agonist for $\beta$ -amyloid and an antagonist for amylin fibrillation. <i>Chemical Science</i> , <b>2019</b> , 10, 3976-3986	9.4	40

197	Single-molecule imaging analysis of elementary reaction steps of <i>Trichoderma reesei</i> cellobiohydrolase I (Cel7A) hydrolyzing crystalline cellulose I <sub>β</sub> and III. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 14056-65	5.4	38
196	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. <i>Science Advances</i> , <b>2018</b> , 4, eaao7054	14.3	37
195	Dynamic structural states of ClpB involved in its disaggregation function. <i>Nature Communications</i> , <b>2018</b> , 9, 2147	17.4	37
194	Na-induced structural transition of MotPS for stator assembly of the flagellar motor. <i>Science Advances</i> , <b>2017</b> , 3, eaao4119	14.3	35
193	High-speed atomic force microscopy. <i>Current Opinion in Chemical Biology</i> , <b>2019</b> , 51, 105-112	9.7	34
192	High-speed atomic force microscopic observation of ATP-dependent rotation of the AAA+ chaperone p97. <i>Structure</i> , <b>2013</b> , 21, 1992-2002	5.2	34
191	Role of trimer-trimer interaction of bacteriorhodopsin studied by optical spectroscopy and high-speed atomic force microscopy. <i>Journal of Structural Biology</i> , <b>2013</b> , 184, 2-11	3.4	33
190	Direct observation of surfactant aggregate behavior on a mica surface using high-speed atomic force microscopy. <i>Chemical Communications</i> , <b>2011</b> , 47, 4974-6	5.8	32
189	Spectroscopic isolation of ES complexes of myosin subfragment-1 ATPase by fluorescence quenching. <i>Biochemical and Biophysical Research Communications</i> , <b>1982</b> , 109, 1-6	3.4	32
188	High-Speed Atomic Force Microscopy Reveals Loss of Nuclear Pore Resilience as a Dying Code in Colorectal Cancer Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 5567-5578	16.7	31
187	Multiple interactions of the intrinsically disordered region between the helicase and nuclease domains of the archaeal Hef protein. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 21627-39	5.4	30
186	Intragenetic relationships of maple trees based on the chloroplast DNA restriction fragment length polymorphisms. <i>Journal of Plant Research</i> , <b>1998</b> , 111, 441-451	2.6	30
185	Feed-Forward Compensation for High-Speed Atomic Force Microscopy Imaging of Biomolecules. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 1904-1908	1.4	30
184	Differences in the floral anthocyanin content of red petunias and <i>Petunia exserta</i> . <i>Phytochemistry</i> , <b>2000</b> , 54, 495-501	4	30
183	Revealing circadian mechanisms of integration and resilience by visualizing clock proteins working in real time. <i>Nature Communications</i> , <b>2018</b> , 9, 3245	17.4	29
182	Phylogenetic analysis of the genus <i>Petunia</i> (Solanaceae) based on the sequence of the Hf1 gene. <i>Journal of Plant Research</i> , <b>2007</b> , 120, 385-97	2.6	29
181	Directly watching biomolecules in action by high-speed atomic force microscopy. <i>Biophysical Reviews</i> , <b>2017</b> , 9, 421-429	3.7	28
180	Distribution of self-compatible and self-incompatible populations of <i>Petunia axillaris</i> (Solanaceae) outside Uruguay. <i>Journal of Plant Research</i> , <b>2006</b> , 119, 419-30	2.6	27

179	Dynamic clustering of dynamin-amphiphysin helices regulates membrane constriction and fission coupled with GTP hydrolysis. <i>ELife</i> , <b>2018</b> , 7,	8.9	27
178	Capturing transient antibody conformations with DNA origami epitopes. <i>Nature Communications</i> , <b>2020</b> , 11, 3114	17.4	26
177	Two novel transposable elements in a cytochrome P450 gene govern anthocyanin biosynthesis of commercial petunias. <i>Gene</i> , <b>2005</b> , 358, 121-6	3.8	26
176	Probing structural dynamics of an artificial protein cage using high-speed atomic force microscopy. <i>Nano Letters</i> , <b>2015</b> , 15, 1331-5	11.5	24
175	Structure of the UHRF1 Tandem Tudor Domain Bound to a Methylated Non-histone Protein, LIG1, Reveals Rules for Binding and Regulation. <i>Structure</i> , <b>2019</b> , 27, 485-496.e7	5.2	24
174	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. <i>Structure</i> , <b>2019</b> , 27, 965-976.e6	5.2	23
173	High-speed atomic force microscopy imaging of live mammalian cells. <i>Biophysics and Physicobiology</i> , <b>2017</b> , 14, 127-135	1.4	23
172	The path to visualization of walking myosin V by high-speed atomic force microscopy. <i>Biophysical Reviews</i> , <b>2014</b> , 6, 237-260	3.7	23
171	High-speed atomic force microscopy. <i>Microscopy (Oxford, England)</i> , <b>2013</b> , 62, 81-93	1.3	23
170	Link between the enzymatic kinetics and mechanical behavior in an actomyosin motor. <i>Biophysical Journal</i> , <b>2001</b> , 80, 379-97	2.9	23
169	Free Energy Landscape and Dynamics of Supercoiled DNA by High-Speed Atomic Force Microscopy. <i>ACS Nano</i> , <b>2018</b> , 12, 11907-11916	16.7	22
168	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> , <b>2015</b> , 427, 406-14	6.5	21
167	High-speed atomic force microscopy reveals strongly polarized movement of clostridial collagenase along collagen fibrils. <i>Scientific Reports</i> , <b>2016</b> , 6, 28975	4.9	21
166	Structural and dynamics analysis of intrinsically disordered proteins by high-speed atomic force microscopy. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 181-189	28.7	21
165	CYK4 promotes antiparallel microtubule bundling by optimizing MKLP1 neck conformation. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002121	9.7	20
164	Visualization of cellobiohydrolase I from <i>Trichoderma reesei</i> moving on crystalline cellulose using high-speed atomic force microscopy. <i>Methods in Enzymology</i> , <b>2012</b> , 510, 169-82	1.7	20
163	High-Speed Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 08KA02	1.4	20
162	Delphinidin accumulation is associated with abnormal flower development in petunias. <i>Phytochemistry</i> , <b>2004</b> , 65, 2219-27	4	19

161	Development of high-speed ion conductance microscopy. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 123704	10.4	19
160	Real-Time Monitoring of Lipid Exchange via Fusion of Peptide Based Lipid-Nanodiscs. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3204-3207	9.6	18
159	Green corolla segments in a wild Petunia species caused by a mutation in FBP2, a SEPALLATA-like MADS box gene. <i>Planta</i> , <b>2008</b> , 228, 401-9	4.7	17
158	High-resolution imaging of myosin motor in action by a high-speed atomic force microscope. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 538, 119-27	3.6	17
157	Potential Prepore Trimer Formation by the Bacillus thuringiensis Mosquito-specific Toxin: MOLECULAR INSIGHTS INTO A CRITICAL PREREQUISITE OF MEMBRANE-BOUND MONOMERS. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 20793-20803	5.4	16
156	Visualization of mobility by atomic force microscopy. <i>Methods in Molecular Biology</i> , <b>2012</b> , 896, 57-69	1.4	16
155	Phosphorylation-coupled intramolecular dynamics of unstructured regions in chromatin remodeler FACT. <i>Biophysical Journal</i> , <b>2013</b> , 104, 2222-34	2.9	16
154	Distribution of Petunia axillaris Sensu Lato in Uruguay as Revealed by Discriminant Analysis of the Live Plants.. <i>Journal of the Japanese Society for Horticultural Science</i> , <b>1995</b> , 64, 381-391		16
153	Chaperonin GroEL-GroES Functions as both Alternating and Non-Alternating Engines. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 3090-101	6.5	16
152	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> , <b>2020</b> , 117, 7831-7836	11.5	15
151	Molecular machines directly observed by high-speed atomic force microscopy. <i>FEBS Letters</i> , <b>2013</b> , 587, 997-1007	3.8	15
150	High-speed near-field fluorescence microscopy combined with high-speed atomic force microscopy for biological studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2020</b> , 1864, 129325	4	15
149	Japan AFM roadmap 2006. <i>Nanotechnology</i> , <b>2007</b> , 18, 084001	3.4	14
148	Three groups of species in Petunia sensu Jussieu (Solanaceae) inferred from the intact seed morphology. <i>American Journal of Botany</i> , <b>1999</b> , 86, 302-305	2.7	14
147	A new Brazilian species of Petunia (Solanaceae) from interior Santa Catarina and Rio Grande do Sul, Brazil. <i>Brittonia</i> , <b>1996</b> , 48, 217	0.5	14
146	Two new species of Petunia (Solanaceae) from southern Brazil. <i>Botanical Journal of the Linnean Society</i> , <b>1993</b> , 111, 265-280	2.2	14
145	Thermally Driven Approach To Fill Sub-10-nm Pipettes with Batch Production. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14080-14084	7.8	13
144	High-Speed Atomic Force Microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 08KA02	1.4	13



143	Control techniques in high-speed atomic force microscopy <b>2008</b> ,		13
142	Metabolic regulation of floral scent in <i>Petunia axillaris</i> lines: biosynthetic relationship between dihydroconiferyl acetate and iso-eugenol. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 458-63	2.1	13
141	A morphological study of the <i>Petunia integrifolia</i> complex (Solanaceae). <i>Annals of Botany</i> , <b>2005</b> , 96, 887-900	4.0	13
140	High-speed atomic force microscopy and biomolecular processes. <i>Methods in Molecular Biology</i> , <b>2011</b> , 736, 285-300	1.4	13
139	High-Speed AFM Reveals Molecular Dynamics of Human Influenza A Hemagglutinin and Its Interaction with Exosomes. <i>Nano Letters</i> , <b>2020</b> , 20, 6320-6328	11.5	13
138	Diversity of physical properties of bacterial extracellular membrane vesicles revealed through atomic force microscopy phase imaging. <i>Nanoscale</i> , <b>2020</b> , 12, 7950-7959	7.7	12
137	Two new species of <i>Petunia</i> (Solanaceae) from southern Rio Grande do Sul, Brazil. <i>Brittonia</i> , <b>1998</b> , 50, 483	0.5	12
136	Analysis of expressed sequence tags from <i>Petunia</i> flowers. <i>Plant Science</i> , <b>2007</b> , 173, 495-500	5.3	12
135	Single-Unit Imaging of Membrane Protein-Embedded Nanodiscs from Two Oriented Sides by High-Speed Atomic Force Microscopy. <i>Structure</i> , <b>2019</b> , 27, 152-160.e3	5.2	12
134	PCR-Based Markers for the Genotype Identification of Flavonoid- 3Q5Q-Hydroxylase Genes Governing Floral Anthocyanin Biosynthesis in Commercial <i>Petunias</i> . <i>Breeding Science</i> , <b>2006</b> , 56, 389-397	2	11
133	A new Brazilian species of <i>Petunia</i> (Solanaceae) from the Serra da Mantiqueira. <i>Brittonia</i> , <b>1994</b> , 46, 340	0.5	11
132	The induction of RANKL molecule clustering could stimulate early osteoblast differentiation. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 509, 435-440	3.4	11
131	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> , <b>2020</b> , 1864, 129313	4	11
130	Characteristic Instabilities in HfAlO MetalInsulatorMetal Capacitors Under Constant-Voltage Stress. <i>IEEE Transactions on Electron Devices</i> , <b>2008</b> , 55, 1359-1365	2.9	10
129	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> , <b>2018</b> , 373,	5.8	10
128	Metabolome profiling of floral scent production in <i>Petunia axillaris</i> . <i>Phytochemistry</i> , <b>2013</b> , 90, 37-42	4	9
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