Jose L Toca-Herrera

List of Publications by Year
in descending order

141	5,700	109264	88593
papers	citations	35 h-index	70 g-index

148	148	148	6619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Industrial and biotechnological applications of laccases: A review. Biotechnology Advances, 2006, 24, 500-513.	6.0	1,119
2	Hidden complexity in the mechanical properties of titin. Nature, 2003, 422, 446-449.	13.7	268
3	Mechanical Unfolding of a Titin Ig Domain: Structure of Unfolding Intermediate Revealed by Combining AFM, Molecular Dynamics Simulations, NMR and Protein Engineering. Journal of Molecular Biology, 2002, 322, 841-849.	2.0	200
4	Laccase production at reactor scale by filamentous fungi. Biotechnology Advances, 2007, 25, 558-569.	6.0	176
5	Mechanical Unfolding of a Titin Ig Domain: Structure of Transition State Revealed by Combining Atomic Force Microscopy, Protein Engineering and Molecular Dynamics Simulations. Journal of Molecular Biology, 2003, 330, 867-877.	2.0	168
6	Uses of Laccases in the Food Industry. Enzyme Research, 2010, 2010, 1-8.	1.8	152
7	Sunflower seed shells: A novel and effective low-cost adsorbent for the removal of the diazo dye Reactive Black 5 from aqueous solutions. Journal of Hazardous Materials, 2007, 147, 900-905.	6.5	147
8	Transformation pathway of Remazol Brilliant Blue R by immobilised laccase. Bioresource Technology, 2010, 101, 8509-8514.	4.8	125
9	Force mode atomic force microscopy as a tool for protein folding studies. Analytica Chimica Acta, 2003, 479, 87-105.	2.6	120
10	Stress relaxation and creep on living cells with the atomic force microscope: a means to calculate elastic moduli and viscosities of cell components. Nanotechnology, 2010, 21, 445101.	1.3	110
11	S-Layer Protein Self-Assembly. International Journal of Molecular Sciences, 2013, 14, 2484-2501.	1.8	110
12	Versatile cloning system for construction of multimeric proteins for use in atomic force microscopy. Protein Science, 2009, 11, 2179-2183.	3.1	102
13	Banana skin: A novel waste for laccase production by Trametes pubescens under solid-state conditions. Application to synthetic dye decolouration. Dyes and Pigments, 2007, 75, 32-37.	2.0	101
14	Cost analysis in laccase production. Journal of Environmental Management, 2011, 92, 2907-2912.	3.8	94
15	A simple method for probing the mechanical unfolding pathway of proteins in detail. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12143-12148.	3.3	93
16	Removal of synthetic dyes by an ecoâ€friendly strategy. Engineering in Life Sciences, 2009, 9, 116-123.	2.0	86
17	Biodegradation of a simulated textile effluent by immobilised-coated laccase in laboratory-scale reactors. Applied Catalysis A: General, 2010, 373, 147-153.	2.2	77
18	Electrophoretic characterization of gold nanoparticles functionalized with human serum albumin (HSA) and creatine. Journal of Colloid and Interface Science, 2009, 332, 215-223.	5.0	76

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19	The new future of scanning probe microscopy: Combining atomic force microscopy with other surface-sensitive techniques, optical microscopy and fluorescence techniques. Nanoscale, 2009, 1, 40.	2.8	75
20	Recrystallization of Bacterial S-Layers on Flat Polyelectrolyte Surfaces and Hollow Polyelectrolyte Capsules. Small, 2005, 1, 339-348.	5.2	68
21	Steady-State Fluorescence Investigation of Pyrene-Labeled Poly(Acrylic Acid)s in Aqueous Solution and in the Presence of Sodium Dodecyl Sulfate. Langmuir, 2002, 18, 5600-5606.	1.6	66
22	Stress relaxation microscopy: Imaging local stress in cells. Journal of Biomechanics, 2010, 43, 349-354.	0.9	66
23	Efficiency of a Bienzyme Sequential Reaction System Immobilized on Polyelectrolyte Multilayer-Coated Colloids. Langmuir, 2008, 24, 14108-14114.	1.6	63
24	Complex Coacervation of Milk Proteins with Sodium Alginate. Journal of Agricultural and Food Chemistry, 2018, 66, 3210-3220.	2.4	60
25	Evaluating the structure and use of hiking trails in recreational areas using a mixed GPS tracking and graph theory approach. Applied Geography, 2014, 55, 184-192.	1.7	56
26	A new automatic contact point detection algorithm for AFM force curves. Microscopy Research and Technique, 2013, 76, 870-876.	1.2	50
27	Chemical and thermal denaturation of crystalline bacterial S-layer proteins: An atomic force microscopy study. Microscopy Research and Technique, 2004, 65, 226-234.	1.2	49
28	Ultra-fast laser microprocessing of medical polymers for cell engineering applications. Materials Science and Engineering C, 2014, 37, 241-250.	3.8	49
29	Lipid/particle assemblies based on maltodextrinâ€“gum arabic core as bio-carriers. Colloids and Surfaces B: Biointerfaces, 2010, 76, 449-455.	2.5	43
30	Characterization of Cell Scaffolds by Atomic Force Microscopy. Polymers, 2017, 9, 383.	2.0	42
31	Characterization of resveratrolâ€“milk protein interaction. Journal of Food Engineering, 2015, 167, 217-225.	2.7	41
32	Thermal stability, mechanical properties and water content of bacterial protein layers recrystallized on polyelectrolyte multilayers. Soft Matter, 2008, 4, 1414.	1.2	40
33	Microtubule disruption changes endothelial cell mechanics and adhesion. Scientific Reports, 2019, 9, 14903.	1.6	40
34	Physical activity, physical fitness and academic achievement in adolescents: a self-organizing maps approach. Health Education Research, 2015, 30, 436-448.	1.0	38
35	Coating of immobilised laccase for stability enhancement: A novel approach. Applied Catalysis A: General, 2007, 329, 156-160.	2.2	37
36	Measuring biomaterials mechanics with atomic force microscopy. 1. Influence of the loading rate and applied force (pyramidal tips). Microscopy Research and Technique, 2019, 82, 1392-1400.	1.2	37

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37	Scientific literature analysis of Judo in Web of ScienceÂ®. Archives of Budo, 0, 9, 81-91.	0.0	37
38	Surface Dependence of Protein Nanocrystal Formation. Small, 2010, 6, 396-403.	5.2	34
39	Nanostructure of polysaccharide complexes. Journal of Colloid and Interface Science, 2011, 363, 450-455.	5.0	34
40	Morphology and laccase production of white-rot fungi grown on wheat bran flakes under semi-solid-state fermentation conditions. FEMS Microbiology Letters, 2011, 318, 27-34.	0.7	33
41	Structure, Surface Interactions, and Compressibility of Bacterial S-Layers through Scanning Force Microscopy and the Surface Force Apparatus. Biophysical Journal, 2006, 90, 1821-1829.	0.2	32
42	Looking at cell mechanics with atomic force microscopy: Experiment and theory. Microscopy Research and Technique, 2014, 77, 947-958.	1.2	32
43	Mechanical properties of gelatin nanoparticles in dependency of crosslinking time and storage. Colloids and Surfaces B: Biointerfaces, 2019, 175, 713-720.	2.5	32
44	Substrate influence on cell shape and cell mechanics: HepG2 cells spread on positively charged surfaces. Microscopy Research and Technique, 2009, 72, 957-964.	1.2	30
45	Chain Length and Grafting Density Dependent Enhancement in the Hydrolysis of Ester-Linked Polymer Brushes. Langmuir, 2015, 31, 6463-6470.	1.6	29
46	From Native to Nonâ€Native Twoâ€Dimensional Protein Lattices through Underlying Hydrophilic/Hydrophobic Nanoprotrusions. Angewandte Chemie - International Edition, 2008, 47, 4707-4710.	7.2	28
47	Protein decorated membranes by specific molecular interactions. Soft Matter, 2010, 6, 2815.	1.2	28
48	Nature-based Tourism or Mass Tourism in Nature? Segmentation of Mountain Protected Area Visitors Using Self-Organizing Maps (SOM). Sustainability, 2019, 11, 1314.	1.6	28
49	Effects of Electrical Stimulation on Muscle Trophism in Patients With Hemophilic Arthropathy. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1924-1930.	0.5	25
50	Following laser induced changes of plant phenylpropanoids by Raman microscopy. Scientific Reports, 2018, 8, 11804.	1.6	25
51	Resveratrol-Induced Temporal Variation in the Mechanical Properties of MCF-7 Breast Cancer Cells Investigated by Atomic Force Microscopy. International Journal of Molecular Sciences, 2019, 20, 3275.	1.8	25
52	Bacterial protein patterning by micro-contact printing of PLL-g-PEG. Journal of Biotechnology, 2007, 130, 247-252.	1.9	24
53	The thickness and contact angle of sodium dodecyl sulfate foam films depending on the concentration of LiCl. Colloid and Polymer Science, 1998, 276, 518-523.	1.0	23
54	Influence of quercetin on the interaction of gliclazide with human serum albumin â€“ spectroscopic and docking approaches. Luminescence, 2017, 32, 1203-1211.	1.5	23

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55	X-ray diffraction and foam film investigations of PC head group interaction in water/ethanol mixtures. Chemistry and Physics of Lipids, 2001, 110, 183-194.	1.5	22
56	Surface electrical stimulation of the quadriceps femoris in patients affected by haemophilia A. Haemophilia, 2006, 12, 629-632.	1.0	22
57	Rationalized approach to the determination of contact point in force-distance curves: Application to polymer brushes in salt solutions and in water. Microscopy Research and Technique, 2010, 73, NA-NA.	1.2	22
58	Influence of surface chemistry and protein concentration on the adsorption rate and S-layer crystal formation. Physical Chemistry Chemical Physics, 2011, 13, 11905.	1.3	21
59	Influencing the adhesion properties and wettability of mucin protein films by variation of the environmental pH. Scientific Reports, 2018, 8, 9660.	1.6	21
60	Fluorescence Spectroscopy on Polyelectrolyte Free Standing Films. Macromolecules, 2002, 35, 2861-2864.	2.2	20
61	Cholesterol Organization in Phosphatidylcholine Liposomes: A Surface Plasmon Resonance Study. Materials, 2012, 5, 2306-2325.	1.3	20
62	AFM measurements and lipid rearrangements: evidence from red blood cell shape changes. Soft Matter, 2012, 8, 7716.	1.2	20
63	Laser Surface Microstructuring of a Bio-Resorbable Polymer to Anchor Stem Cells, Control Adipocyte Morphology, and Promote Osteogenesis. Polymers, 2018, 10, 1337.	2.0	20
64	Study of Interactions between Amlodipine and Quercetin on Human Serum Albumin: Spectroscopic and Modeling Approaches. Molecules, 2019, 24, 487.	1.7	20
65	Atomic Force Microscopy Meets Biophysics, Bioengineering, Chemistry, and Materials Science. ChemSusChem, 2019, 12, 603-611.	3.6	20
66	UV-Laser Interference Lithography for Local Functionalization of Plasmonic Nanostructures with Responsive Hydrogel. Journal of Physical Chemistry C, 2020, 124, 3297-3305.	1.5	20
67	Absorption, Steady-State Fluorescence, Fluorescence Lifetime, and 2D Self-Assembly Properties of Engineered Fluorescent S-Layer Fusion Proteins of Geobacillus stearothermophilus NRS 2004/3a. Biomacromolecules, 2010, 11, 207-214.	2.6	19
68	Why size and speed matter: frequency dependence and the mechanical properties of biomolecules. Soft Matter, 2011, 7, 332-342.	1.2	19
69	Investigating cellâ€substrate and cellâ€“cell interactions by means of singleâ€cellâ€probe force spectroscopy. Microscopy Research and Technique, 2017, 80, 124-130.	1.2	19
70	afmToolkit: an R Package for Automated AFM Force-Distance Curves Analysis. R Journal, 2017, 9, 291.	0.7	19
71	Simultaneous Measurement of Mechanical and Surface Properties in Thermoresponsive, Anchored Hydrogel Films. Langmuir, 2012, 28, 12871-12878.	1.6	18
72	The difficulty of the postural control task affects multi-muscle control during quiet standing. Experimental Brain Research, 2016, 234, 1977-1986.	0.7	18

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73	Analyzing Spatial Behavior of Backcountry Skiers in Mountain Protected Areas Combining GPS Tracking and Graph Theory. Symmetry, 2017, 9, 317.	1.1	18
74	Actively Tunable Collective Localized Surface Plasmons by Responsive Hydrogel Membrane. Advanced Optical Materials, 2019, 7, 1900342.	3.6	18
75	Nanostructured scaffolds based on bioresorbable polymers and graphene oxide induce the aligned migration and accelerate the neuronal differentiation of neural stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102314.	1.7	18
76	Effect of fatigue on the intra-cycle acceleration in front crawl swimming: A timeâ€“frequency analysis. Journal of Biomechanics, 2008, 41, 86-92.	0.9	17
77	Aâ€toâ€I RNA editing of Filamin A regulates cellular adhesion, migration and mechanical properties. FEBS Journal, 2022, 289, 4580-4601.	2.2	17
78	Cross-Education After One Session of Unilateral Surface Electrical Stimulation of the Rectus Femoris. Journal of Strength and Conditioning Research, 2008, 22, 614-618.	1.0	16
79	Survival analysis of author keywords: An application to the library and information sciences area. Journal of the Association for Information Science and Technology, 2020, 71, 462-473.	1.5	16
80	Effect of the Charged Lipid DMPG on the Thickness and Contact Angle of Foam Films. Journal of Physical Chemistry B, 2000, 104, 5486-5491.	1.2	15
81	Biomaterial and cellular properties as examined through atomic force microscopy, fluorescence optical microscopies and spectroscopic techniques. Biotechnology Journal, 2014, 9, 51-60.	1.8	15
82	Impact of surface wettability on S-layer recrystallization: a real-time characterization by QCM-D. Beilstein Journal of Nanotechnology, 2017, 8, 91-98.	1.5	15
83	Substrate stiffness modulates the viscoelastic properties of MCF-7Âcells. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104979.	1.5	15
84	Influence of Na+, Ca2+ on the thickness and free energy of dmpc foam films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 144, 319-326.	2.3	14
85	Atomic force microscopy and cells: Indentation profiles around the <scp>AFM</scp> tip, cell shape changes, and other examples of experimental factors affecting modeling. Microscopy Research and Technique, 2015, 78, 626-632.	1.2	14
86	In Vitro Characterization of the Two-Stage Non-Classical Reassembly Pathway of S-Layers. International Journal of Molecular Sciences, 2017, 18, 400.	1.8	14
87	Cell stiffness under small and large deformations measured by optical tweezers and atomic force microscopy: effects of actin disruptors CK-869 and jasplakinolide. Journal Physics D: Applied Physics, 2021, 54, 124001.	1.3	13
88	Fluorescence energy transfer in the bi-fluorescent S-layer tandem fusion protein ECFPâ€“SgsEâ€“YFP. Journal of Structural Biology, 2010, 172, 276-283.	1.3	12
89	A stereochemical switch in the aDrs model system, a candidate for a functional amyloid. Archives of Biochemistry and Biophysics, 2012, 522, 100-106.	1.4	12
90	S-layer based biomolecular imprinting. RSC Advances, 2015, 5, 83558-83564.	1.7	12

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91	Cholesterol Increases Lipid Binding Rate and Changes Binding Behavior of Bacillus thuringiensis Cytolytic Protein. International Journal of Molecular Sciences, 2018, 19, 3819.	1.8	12
92	Analysis of Binding Interactions of Ramipril and Quercetin on Human Serum Albumin: A Novel Method in Affinity Evaluation. Molecules, 2020, 25, 547.	1.7	12
93	Phospholipid foam films studied by contact angle measurements and fluorescence microscopy. Colloid and Polymer Science, 2000, 278, 771-776.	1.0	11
94	Mapping Bacterial Surface Layers Affinity to Polyelectrolytes Through the Building of Hybrid Macromolecular Structures. Journal of Nanoscience and Nanotechnology, 2007, 7, 4260-4266.	0.9	11
95	Elastic energies and morphologies of the first stages of the discoechinocyte transition. Soft Matter, 2013, 9, 6430.	1.2	11
96	Making novel bio-interfaces through bacterial protein recrystallization on biocompatible polylactide derivative films. Journal of Chemical Physics, 2013, 139, 121903.	1.2	11
97	Fluorescence Emission Properties of S-Layer Enhanced Green Fluorescent Fusion Protein as a Function of Temperature, pH Conditions, and Guanidine Hydrochloride Concentration. Biomacromolecules, 2006, 7, 3298-3301.	2.6	10
98	Effect of the Concentration of Cytolytic Protein Cyt2Aa2 on the Binding Mechanism on Lipid Bilayers Studied by QCM-D and AFM. Langmuir, 2015, 31, 10477-10483.	1.6	10
99	Influencing bacterial S-layer protein recrystallization on polymer brushes through surface charge and accessible volume: A combined AFM and QCMD analysis. Polymer, 2016, 102, 379-385.	1.8	10
100	Inâ€situ 2D bacterial crystal growth as a function of protein concentration: An atomic force microscopy study. Microscopy Research and Technique, 2018, 81, 1095-1104.	1.2	10
101	Influence of ethanol on the thickness and free energy of film formation of DMPC foam films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 152, 357-365.	2.3	9
102	Optical Waveguideâ€Enhanced Diffraction for Observation of Responsive Hydrogel Nanostructures. Macromolecular Chemistry and Physics, 2017, 218, 1600400.	1.1	9
103	Miscibility, interactions and antimicrobial activity of poly(Îµ-caprolactone)/chloramphenicol blends. European Polymer Journal, 2018, 102, 30-37.	2.6	9
104	Assessment of a long-term in vitro model to characterize the mechanical behavior and macrophage-mediated degradation of a novel, degradable, electrospun poly-urethane vascular graft. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104077.	1.5	9
105	Single-Cell Probe Force Studies to Identify Sox2 Overexpression-Promoted Cell Adhesion in MCF7 Breast Cancer Cells. Cells, 2020, 9, 935.	1.8	9
106	From Hollow Shells to Artificial Cells: Biointerface Engineering on Polyelectrolyte Capsules. Journal of Nanoscience and Nanotechnology, 2006, 6, 2329-2337.	0.9	8
107	Environmental, scanning electron and optical microscope image analysis software for determining volume and occupied area of solidâ€state fermentation fungal cultures. Biotechnology Journal, 2011, 6, 45-55.	1.8	8
108	Influence of HepG2 cell shape on nanoparticle uptake. Microscopy Research and Technique, 2014, 77, 560-565.	1.2	8

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109	Measuring (biological) materials mechanics with atomic force microscopy. 2. Influence of the loading rate and applied force (colloidal particles). Microscopy Research and Technique, 2021, 84, 1078-1088.	1.2	8
110	Measuring biological materials mechanics with atomic force microscopy â€•Determination of viscoelastic cell properties from stress relaxation experiments. Microscopy Research and Technique, 2022, 85, 3284-3295.	1.2	8
111	Fluorescent S-layer protein colloids. Soft Matter, 2010, 6, 3809.	1.2	7
112	On the molecular interaction between albumin and ibuprofen: An AFM and QCM-D study. Colloids and Surfaces B: Biointerfaces, 2015, 134, 355-362.	2.5	7
113	Automated detection of protein unfolding events in atomic force microscopy force curves. Microscopy Research and Technique, 2016, 79, 1105-1111.	1.2	7
114	Estrogen Modulates Epithelial Breast Cancer Cell Mechanics and Cell-to-Cell Contacts. Materials, 2021, 14, 2897.	1.3	7
115	Interactions in lipid stabilised foam films. Advances in Colloid and Interface Science, 2014, 207, 93-106.	7.0	6
116	Bacillus thuringiensis Cyt2Aa2 toxin disrupts cell membranes by forming large protein aggregates. Bioscience Reports, 2016, 36, .	1.1	6
117	Adhesion, unfolding forces, and molecular elasticity of fibronectin coatings: An atomic force microscopy study. Microscopy Research and Technique, 2018, 81, 38-45.	1.2	6
118	Novel biodegradable and non-fouling systems for controlled-release based on poly(Îµ-caprolactone)/Quercetin blends and biomimetic bacterial S-layer coatings. RSC Advances, 2019, 9, 24154-24163.	1.7	5
119	Nucleotides-Induced Changes in the Mechanical Properties of Living Endothelial Cells and Astrocytes, Analyzed by Atomic Force Microscopy. International Journal of Molecular Sciences, 2021, 22, 624.	1.8	5
120	Force Normalization in Paraplegics. International Journal of Sports Medicine, 2012, 33, 452-458.	0.8	4
121	Polyelectrolyte brushes as supportive substrate for bacterial S-layer recrystallization: Polymer charge and chain extension factors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 526, 56-63.	2.3	4
122	Lipid phase influences the binding of Bacillus thuringiensis Cyt2Aa2 toxin on model lipid membranes. Biochemical and Biophysical Research Communications, 2019, 511, 409-415.	1.0	4
123	Fluorescent sensors based on bacterial fusion proteins. Methods and Applications in Fluorescence, 2014, 2, 024002.	1.1	3
124	Cation-chelation and pH induced controlled switching of the non-fouling properties of bacterial crystalline films. Colloids and Surfaces B: Biointerfaces, 2017, 158, 270-277.	2.5	3
125	Protein-Lipid Interaction of Cytolytic Toxin Cyt2Aa2 on Model Lipid Bilayers of Erythrocyte Cell Membrane. Toxins, 2020, 12, 226.	1.5	3
126	Specific domain V reduction of beta-2-glycoprotein I induces protein flexibility and alters pathogenic antibody binding. Scientific Reports, 2021, 11, 4542.	1.6	3

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127	Measuring Mechanical Properties of Breast Cancer Cells with Atomic Force Microscopy. Methods in Molecular Biology, 2022, 2471, 323-343.	0.4	3
128	Physical attachment of fluorescent protein particles to atomic force microscopy probes in aqueous media: Implications for surface pH, fluorescence, and mechanical properties studies. Microscopy Research and Technique, 2010, 73, 746-751.	1.2	2
129	Time influence on the interaction between Cyt2Aa2 and lipid/cholesterol bilayers. Microscopy Research and Technique, 2016, 79, 1017-1023.	1.2	2
130	Bacillus thuringiensis Cyt2Aa2 binding on lipid/cholesterol bilayer depends on protein concentration and time. Biochemical and Biophysical Research Communications, 2017, 492, 212-217.	1.0	2
131	Electrochemical-QCMD Control over S-Layer (SbpA) Recrystallization with Fe2+ as Specific Ion for Self-Assembly Induction. Applied Sciences (Switzerland), 2018, 8, 1460.	1.3	2
132	A Probabilistic Model for Crystal Growth Applied to
Protein Deposition at the Microscale. Materials, 2019, 12, 479.	1.3	2
133	Encapsulation of Opiorphin in Polymer-coated Alginate Beads for Controlled Delivery and Painkilling. International Journal Bioautomation, 2021, 25, 101-111.	0.1	2
134	Local conformations affect the histidine tag-Ni²⁺ binding affinity of BinA and BinB proteins. AIMS Biophysics, 2020, 7, 133-143.	0.3	2
135	Life under Continuous Streaming: Recrystallization of Low Concentrations of Bacterial SbpA in Dynamic Flow Conditions. Coatings, 2019, 9, 76.	1.2	1
136	Time- and Zinc-Related Changes in Biomechanical Properties of Human Colorectal Cancer Cells Examined by Atomic Force Microscopy. Biology, 2020, 9, 468.	1.3	1
137	Bacterial membrane formation monitored with atomic force microscopy and quartz crystal microbalance. , 2014, , 41-50.		1
138	Measuring (biological) materials mechanics with atomic force microscopy. 3. Mechanical unfolding of biopolymers. Microscopy Research and Technique, 2022, , .	1.2	1
139	Fluorescent S-Layer Fusionproteins; Reassembling Behaviour and Spectral Properties. Biophysical Journal, 2011, 100, 199a.	0.2	0
140	Scanning probe microscopy in soft matter and life sciences. Microscopy Research and Technique, 2017, 80, 3-3.	1.2	0
141	Biomechanics of Cell Membrane. International Journal of Molecular Sciences, 2020, 21, 5413.	1.8	0