

Paul A Janmey

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148
papers

14,331
citations

47
h-index

119
g-index

173
ext. papers

16,750
ext. citations

8.7
avg, IF

6.9
L-index

#	Paper	IF	Citations
148	Tissue cells feel and respond to the stiffness of their substrate. <i>Science</i> , 2005 , 310, 1139-43	33.3	4669
147	Nonlinear elasticity in biological gels. <i>Nature</i> , 2005 , 435, 191-4	50.4	1194
146	Soft biological materials and their impact on cell function. <i>Soft Matter</i> , 2007 , 3, 299-306	3.6	643
145	Cell mechanics: integrating cell responses to mechanical stimuli. <i>Annual Review of Biomedical Engineering</i> , 2007 , 9, 1-34	12	473
144	Fibrin gels and their clinical and bioengineering applications. <i>Journal of the Royal Society Interface</i> , 2009 , 6, 1-10	4.1	456
143	Effects of extracellular matrix viscoelasticity on cellular behaviour. <i>Nature</i> , 2020 , 584, 535-546	50.4	362
142	Mechanisms of mechanical signaling in development and disease. <i>Journal of Cell Science</i> , 2011 , 124, 9-18	5.3	333
141	Negative normal stress in semiflexible biopolymer gels. <i>Nature Materials</i> , 2007 , 6, 48-51	27	289
140	Non-linear elasticity of extracellular matrices enables contractile cells to communicate local position and orientation. <i>PLoS ONE</i> , 2009 , 4, e6382	3.7	269
139	A comparison of methods to assess cell mechanical properties. <i>Nature Methods</i> , 2018 , 15, 491-498	21.6	265
138	Rheology of Soft Materials. <i>Annual Review of Condensed Matter Physics</i> , 2010 , 1, 301-322	19.7	246
137	Hepatic stellate cells require a stiff environment for myofibroblastic differentiation. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, G110-8	5.1	224
136	Dealing with mechanics: mechanisms of force transduction in cells. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 364-70	10.3	219
135	Cytoskeletal regulation: rich in lipids. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 658-66	48.7	195
134	Control of cell morphology and differentiation by substrates with independently tunable elasticity and viscous dissipation. <i>Nature Communications</i> , 2018 , 9, 449	17.4	173
133	Nonlinear elasticity of stiff filament networks: strain stiffening, negative normal stress, and filament alignment in fibrin gels. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3799-805	3.4	139
132	The hard life of soft cells. <i>Cytoskeleton</i> , 2009 , 66, 597-605		136

131	Structure of the profilin-poly-L-proline complex involved in morphogenesis and cytoskeletal regulation. <i>Nature Structural and Molecular Biology</i> , 1997 , 4, 953-60	17.6	135
130	Thymosin beta 15: a novel regulator of tumor cell motility upregulated in metastatic prostate cancer. <i>Nature Medicine</i> , 1996 , 2, 1322-8	50.5	131
129	Counterion induced bundle formation of rodlike polyelectrolytes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996 , 100, 796-806		118
128	Matching material and cellular timescales maximizes cell spreading on viscoelastic substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2686-E2695	11.5	113
127	From tissue mechanics to transcription factors. <i>Differentiation</i> , 2013 , 86, 112-20	3.5	113
126	Compression stiffening of brain and its effect on mechanosensing by glioma cells. <i>New Journal of Physics</i> , 2014 , 16, 075002	2.9	113
125	A comparison of hyperelastic constitutive models applicable to brain and fat tissues. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 0486	4.1	109
124	Vimentin enhances cell elastic behavior and protects against compressive stress. <i>Biophysical Journal</i> , 2014 , 107, 314-323	2.9	107
123	Use of a gel-forming dipeptide derivative as a carrier for antigen presentation. <i>Journal of Peptide Science</i> , 1995 , 1, 371-8	2.1	107
122	Non-affine deformations in polymer hydrogels. <i>Soft Matter</i> , 2012 , 8, 8039-8049	3.6	104
121	Strain hardening of fibrin gels and plasma clots. <i>Rheologica Acta</i> , 1997 , 36, 262-268	2.3	104
120	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	103
119	Uncoupling shear and uniaxial elastic moduli of semiflexible biopolymer networks: compression-softening and stretch-stiffening. <i>Scientific Reports</i> , 2016 , 6, 19270	4.9	98
118	Stiffness Sensing by Cells. <i>Physiological Reviews</i> , 2020 , 100, 695-724	47.9	88
117	Augmentation of integrin-mediated mechanotransduction by hyaluronic acid. <i>Biomaterials</i> , 2014 , 35, 71-82	15.6	86
116	Effects of non-linearity on cell-ECM interactions. <i>Experimental Cell Research</i> , 2013 , 319, 2481-9	4.2	82
115	Electrostatically Induced Polyelectrolyte Association of Rodlike Virus Particles. <i>Physical Review Letters</i> , 1998 , 81, 5465-5468	7.4	77
114	Vimentin protects cells against nuclear rupture and DNA damage during migration. <i>Journal of Cell Biology</i> , 2019 , 218, 4079-4092	7.3	74

113	Rheology of Fibrin Clots. VI. Stress Relaxation, Creep, and Differential Dynamic Modulus of Fine Clots in Large Shearing Deformations. <i>Journal of Rheology</i> , 1983 , 27, 135-153	4.1	74
112	Polyelectrolyte properties of filamentous biopolymers and their consequences in biological fluids. <i>Soft Matter</i> , 2014 , 10, 1439-49	3.6	70
111	Normal and Fibrotic Rat Livers Demonstrate Shear Strain Softening and Compression Stiffening: A Model for Soft Tissue Mechanics. <i>PLoS ONE</i> , 2016 , 11, e0146588	3.7	68
110	Nonaffine Displacements in Flexible Polymer Networks. <i>Macromolecules</i> , 2011 , 44, 1671-1679	5.5	66
109	Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. <i>Nature</i> , 2019 , 573, 96-101	50.4	63
108	Substrate stiffness regulates solubility of cellular vimentin. <i>Molecular Biology of the Cell</i> , 2014 , 25, 87-94	3.5	60
107	The (dys)functional extracellular matrix. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 3153-64	4.9	57
106	Enhancement of phosphoinositide 3-kinase (PI 3-kinase) activity by membrane curvature and inositol-phospholipid-binding peptides. <i>FEBS Journal</i> , 1998 , 258, 846-53		53
105	Inelastic behaviour of collagen networks in cell-matrix interactions and mechanosensation. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20141074	4.1	48
104	Mechanically Induced Reactive Gliosis Causes ATP-Mediated Alterations in Astrocyte Stiffness. <i>Journal of Neurotrauma</i> , 2009 , 26, 789-797	5.4	48
103	Regulation of actin assembly by PI(4,5)P2 and other inositol phospholipids: An update on possible mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 506, 307-314	3.4	47
102	Basic rheology for biologists. <i>Methods in Cell Biology</i> , 2007 , 83, 3-27	1.8	47
101	Elasticity of fibrous networks under uniaxial prestress. <i>Soft Matter</i> , 2016 , 12, 5050-60	3.6	46
100	Gelsolin Evidence for a role in turnover of junction-related actin filaments in Sertoli cells. <i>Journal of Cell Science</i> , 2002 , 115, 499-505	5.3	45
99	Mechanical Properties of Intermediate Filament Proteins. <i>Methods in Enzymology</i> , 2016 , 568, 35-57	1.7	42
98	Lateral boundary mechanosensing by adherent cells in a collagen gel system. <i>Biomaterials</i> , 2014 , 35, 1138-49	15.6	42
97	Strong triaxial coupling and anomalous Poisson effect in collagen networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6790-6799	11.5	41
96	Soft Substrates Containing Hyaluronan Mimic the Effects of Increased Stiffness on Morphology, Motility, and Proliferation of Glioma Cells. <i>Biomacromolecules</i> , 2017 , 18, 3040-3051	6.9	41

95	Kinetics of formation of fibrin oligomers. II. Size distributions of ligated oligomers. <i>Biopolymers</i> , 1982 , 21, 2265-77	2.2	41
94	Contact-induced apical asymmetry drives the thigmotropic responses of <i>Candida albicans</i> hyphae. <i>Cellular Microbiology</i> , 2015 , 17, 342-54	3.9	38
93	Soft Hyaluronic Gels Promote Cell Spreading, Stress Fibers, Focal Adhesion, and Membrane Tension by Phosphoinositide Signaling, Not Traction Force. <i>ACS Nano</i> , 2019 , 13, 203-214	16.7	38
92	Structural basis for PI(4)P-specific membrane recruitment of the <i>Legionella pneumophila</i> effector DrrA/SidM. <i>Structure</i> , 2014 , 22, 397-408	5.2	37
91	Counterion-mediated cluster formation by polyphosphoinositides. <i>Chemistry and Physics of Lipids</i> , 2014 , 182, 38-51	3.7	37
90	Fluorescent phosphoinositide derivatives reveal specific binding of gelsolin and other actin regulatory proteins to mixed lipid bilayers. <i>FEBS Journal</i> , 1999 , 263, 85-92		37
89	Bactericidal activities of cathelicidin LL-37 and select cationic lipids against the hypervirulent <i>Pseudomonas aeruginosa</i> strain LESB58. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 3808-15	5.9	36
88	Bactericidal Activity of Ceragenin CSA-13 in Cell Culture and in an Animal Model of Peritoneal Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 6274-82	5.9	36
87	Potential of ceragenin CSA-13 and its mixture with pluronic F-127 as treatment of topical bacterial infections. <i>Journal of Applied Microbiology</i> , 2011 , 110, 229-38	4.7	36
86	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. <i>Small</i> , 2019 , 15, e1903180	11	31
85	Counterion-mediated pattern formation in membranes containing anionic lipids. <i>Advances in Colloid and Interface Science</i> , 2014 , 208, 177-88	14.3	31
84	Effects of actin filaments on fibrin clot structure and lysis. <i>Blood</i> , 1992 , 80, 928-936	2.2	31
83	Kinetics of formation of fibrin oligomers. I. Theory. <i>Biopolymers</i> , 1982 , 21, 2253-64	2.2	30
82	Glial Tissue Mechanics and Mechanosensing by Glial Cells. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 25	6.1	28
81	The polyelectrolyte behavior of actin filaments: a 25Mg NMR study. <i>Biochemistry</i> , 1999 , 38, 7219-26	3.2	27
80	Myosin IIA suppresses glioblastoma development in a mechanically sensitive manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15550-15559	11.5	26
79	Mechanical and Non-Mechanical Functions of Filamentous and Non-Filamentous Vimentin. <i>BioEssays</i> , 2020 , 42, e2000078	4.1	25
78	Lack of collagen XVIII long isoforms affects kidney podocytes, whereas the short form is needed in the proximal tubular basement membrane. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7755-7764	5.4	24

77	Methods for Determining the Cellular Functions of Vimentin Intermediate Filaments. <i>Methods in Enzymology</i> , 2016 , 568, 389-426	1.7	23
76	Biochemical and Cellular Determinants of Renal Glomerular Elasticity. <i>PLoS ONE</i> , 2016 , 11, e0167924	3.7	23
75	Rheology. <i>Current Biology</i> , 2008 , 18, R639-R641	6.3	22
74	Dynamic Viscoelastic Properties of Gelatin Gels in Glycerol-Water Mixtures. <i>Journal of Rheology</i> , 1980 , 24, 87-97	4.1	21
73	Mechanosensing at Cellular Interfaces. <i>Langmuir</i> , 2019 , 35, 7509-7519	4	21
72	Opposite responses of normal hepatocytes and hepatocellular carcinoma cells to substrate viscoelasticity. <i>Biomaterials Science</i> , 2020 , 8, 1316-1328	7.4	20
71	Scaling up single-cell mechanics to multicellular tissues - the role of the intermediate filament-desmosome network. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	19
70	Surface Topography and Electrical Signaling: Single and Synergistic Effects on Neural Differentiation of Stem Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1907792	15.6	17
69	Tissue Rheology as a Possible Complementary Procedure to Advance Histological Diagnosis of Colon Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5620-5631	5.5	17
68	Salmon-derived thrombin inhibits development of chronic pain through an endothelial barrier protective mechanism dependent on APC. <i>Biomaterials</i> , 2016 , 80, 96-105	15.6	16
67	Polymerization of fibrin: analysis of light-scattering data and relation to a peptide release. <i>Biopolymers</i> , 1983 , 22, 2017-9	2.2	16
66	Filamin A Mediates Wound Closure by Promoting Elastic Deformation and Maintenance of Tension in the Collagen Matrix. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2852-2861	4.3	15
65	Flightless I interacts with NMMIIA to promote cell extension formation, which enables collagen remodeling. <i>Molecular Biology of the Cell</i> , 2015 , 26, 2279-97	3.5	15
64	Polyelectrolyte-mediated increase of biofilm mass formation. <i>BMC Microbiology</i> , 2015 , 15, 117	4.5	15
63	Susceptibility of microbial cells to the modified PIP-binding sequence of gelsolin anchored on the surface of magnetic nanoparticles. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 81	9.4	15
62	Role played by Prx1-dependent extracellular matrix properties in vascular smooth muscle development in embryonic lungs. <i>Pulmonary Circulation</i> , 2015 , 5, 382-97	2.7	15
61	Similar Biophysical Abnormalities in Glomeruli and Podocytes from Two Distinct Models. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1501-1512	12.7	14
60	Characterization of gelsolin truncates that inhibit actin depolymerization by severing activity of gelsolin and cofilin. <i>FEBS Journal</i> , 1997 , 248, 834-9		14

59	Role of a Kinesin Motor in Cancer Cell Mechanics. <i>Nano Letters</i> , 2019 , 19, 7691-7702	11.5	13
58	Quasielastic light scattering measurements of self-diffusion and mutual diffusion in gelatin solutions and gels. <i>Polymer Bulletin</i> , 1981 , 6, 13	2.4	13
57	Compression stiffening of fibrous networks with stiff inclusions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21037-21044	11.5	13
56	Enhancement of Pulmozyme activity in purulent sputum by combination with poly-aspartic acid or gelsolin. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 587-93	4.1	12
55	β-Catenin localization and sarcomere self-organization on N-cadherin adhesive patterns are myocyte contractility driven. <i>PLoS ONE</i> , 2012 , 7, e47592	3.7	12
54	A novel method to make viscoelastic polyacrylamide gels for cell culture and traction force microscopy. <i>APL Bioengineering</i> , 2020 , 4, 036104	6.6	12
53	Extracellular vimentin as a target against SARS-CoV-2 host cell invasion 2021 ,		12
52	Salmon fibrinogen and chitosan scaffold for tissue engineering: in vitro and in vivo evaluation. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 182	4.5	12
51	Inhibition of inflammatory response in human keratinocytes by magnetic nanoparticles functionalized with PBP10 peptide derived from the PIP2-binding site of human plasma gelsolin. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 22	9.4	11
50	Cell-matrix tension contributes to hypoxia in astrocyte-seeded viscoelastic hydrogels composed of collagen and hyaluronan. <i>Experimental Cell Research</i> , 2019 , 376, 49-57	4.2	10
49	Programmable and contractile materials through cell encapsulation in fibrous hydrogel assemblies. <i>Science Advances</i> , 2021 , 7, eabi8157	14.3	10
48	Induction of apoptosis by gelsolin truncates. <i>Annals of the New York Academy of Sciences</i> , 1999 , 886, 217-20	6.5	9
47	Vimentin tunes cell migration on collagen by controlling β 1 integrin activation and clustering. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	9
46	Cooperative roles of PAK1 and filamin A in regulation of vimentin assembly and cell extension formation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118739	4.9	8
45	Measuring the Stiffness of Ex Vivo Mouse Aortas Using Atomic Force Microscopy. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	8
44	Kinetics of formation of fibrin oligomers. III. Ligation kinetics concurrent with and subsequent to oligomer assembly. <i>Biopolymers</i> , 1984 , 23, 127-38	2.2	8
43	Antibacterial Peptides - A Bright Future or a False Hope. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2007 , 6, 175-184		7
42	Evaluation of active Rac1 levels in cancer cells: A case of misleading conclusions from immunofluorescence analysis. <i>Journal of Biological Chemistry</i> , 2020 , 295, 13698-13710	5.4	7

41	Dynamic Tuning of Viscoelastic Hydrogels with Carbonyl Iron Microparticles Reveals the Rapid Response of Cells to Three-Dimensional Substrate Mechanics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20947-20959	9.5	7
40	Long-range mechanical signaling in biological systems. <i>Soft Matter</i> , 2021 , 17, 241-253	3.6	7
39	Recombinant Human Plasma Gelsolin Stimulates Phagocytosis while Diminishing Excessive Inflammatory Responses in Mice with Sepsis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
38	The vimentin cytoskeleton: when polymer physics meets cell biology. <i>Physical Biology</i> , 2020 , 18, 011001	3	6
37	Cell-induced confinement effects in soft tissue mechanics. <i>Journal of Applied Physics</i> , 2021 , 129, 140901	2.5	6
36	Polymerized ionic liquids-based hydrogels with intrinsic antibacterial activity: Modern weapons against antibiotic-resistant infections. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50222	2.9	6
35	Elasticity-dependent response of malignant cells to viscous dissipation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021 , 20, 145-154	3.8	6
34	Compressive tumours cause neuronal damage. <i>Nature Biomedical Engineering</i> , 2019 , 3, 171-172	19	5
33	Sensitivity of multifrequency magnetic resonance elastography and diffusion-weighted imaging to cellular and stromal integrity of liver tissue. <i>Journal of Biomechanics</i> , 2019 , 88, 201-208	2.9	5
32	Extracellular Vimentin as a Target Against SARS-CoV-2 Host Cell Invasion. <i>Small</i> , 2021 , e2105640	11	5
31	Fibrous Hydrogels under Multi-Axial Deformation: Persistence Length as the Main Determinant of Compression Softening. <i>Advanced Functional Materials</i> , 2021 , 31, 2010527	15.6	5
30	Allosteric HIV Integrase Inhibitors Promote Formation of Inactive Branched Polymers via Homomeric Carboxy-Terminal Domain Interactions. <i>Structure</i> , 2021 , 29, 213-225.e5	5.2	5
29	Hyaluronan Disrupts Cardiomyocyte Organization within 3D Fibrin-Based Hydrogels. <i>Biophysical Journal</i> , 2019 , 116, 1340-1347	2.9	4
28	Synthesis and structure-activity relationships of novel cationic lipids with anti-inflammatory and antimicrobial activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2837-43	2.9	4
27	Multiscale modeling of protein membrane interactions for nanoparticle targeting in drug delivery. <i>Current Opinion in Structural Biology</i> , 2020 , 64, 104-110	8.1	4
26	The Atr-Chek1 pathway inhibits axon regeneration in response to Piezo-dependent mechanosensation. <i>Nature Communications</i> , 2021 , 12, 3845	17.4	4
25	Lipid Head Group Charge and Fatty Acid Configuration Dictate Liposome Mobility in Neurofilament Networks. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600229	5.5	3
24	Distinct Biochemical Characteristics of the Two Human Profilin Isoforms. <i>FEBS Journal</i> , 2008 , 229, 621-628		3

23	Rheological properties of hydrogels based on ionic liquids. <i>Polymer Testing</i> , 2021 , 93, 106943	4.5	3
22	Glycosaminoglycans modulate long-range mechanical communication between cells in collagen networks.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2116718119	11.5	3
21	Matrix stiffness regulates endosomal escape of uropathogenic E. coli. <i>Cellular Microbiology</i> , 2020 , 22, e13196	3.9	2
20	Cytoplasmic transport: bacteria turn to glass unless kicked. <i>Current Biology</i> , 2014 , 24, R226-8	6.3	2
19	The Role of Matrix Stiffness in Hepatic Stellate Cell Activation and Liver Fibrosis. <i>Wound Repair and Regeneration</i> , 2005 , 13, A24-A24	3.6	2
18	Strain hardening of fibrin gels and plasma clots 1997 , 36, 262		2
17	In search of the correlation between nanomechanical and biomolecular properties of prostate cancer cells with different metastatic potential. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 697, 108718	4.1	2
16	Conductive chitosan/polyaniline hydrogel with cell-imprinted topography as a potential substrate for neural priming of adipose derived stem cells.. <i>RSC Advances</i> , 2021 , 11, 15795-15807	3.7	2
15	The correlation between cell and nucleus size is explained by an eukaryotic cell growth model.. <i>PLoS Computational Biology</i> , 2022 , 18, e1009400	5	2
14	N-Acetyl-Cysteine Increases Activity of Peanut-Shaped Gold Nanoparticles Against Biofilms Formed by Clinical Strains of Isolated From Sputum of Cystic Fibrosis Patients.. <i>Infection and Drug Resistance</i> , 2022 , 15, 851-871	4.2	2
13	Clamping down on tumor proliferation. <i>Biophysical Journal</i> , 2014 , 107, 1775-1776	2.9	1
12	Physics and Physiology of Cell Spreading in Two and Three Dimensions. <i>Physiology</i> , 2021 , 36, 382-391	9.8	1
11	Loss of vimentin intermediate filaments decreases peri-nuclear stiffness and enhances cell motility through confined spaces		1
10	Effects of actin filaments on fibrin clot structure and lysis. <i>Blood</i> , 1992 , 80, 928-936	2.2	1
9	A Novel Method to Make Polyacrylamide Gels with Mechanical Properties Resembling those of Biological Tissues. <i>Bio-protocol</i> , 2021 , 11, e4131	0.9	1
8	Magnetic field tuning of mechanical properties of ultrasoft PDMS-based magnetorheological elastomers for biological applications. <i>Multifunctional Materials</i> , 2021 , 4, 035001	5.2	1
7	Materials science and mechanosensitivity of living matter.. <i>Applied Physics Reviews</i> , 2022 , 9, 011320	17.3	1
6	Microindentation of Fluid-Filled Cellular Domes Reveals the Contribution of RhoA-ROCK Signaling to Multicellular Mechanics.. <i>Small</i> , 2022 , e2200883	11	1

- 5 Membrane signalosome: where biophysics meets systems biology. *Current Opinion in Systems Biology*, **2021**, 25, 34-41 3.2 0
- 4 Reptation of Microtubules in F-Actin Networks: st]Effects of Filament Stiffness and Network Topology on Reptation Dynamics. *Materials Research Society Symposia Proceedings*, **1997**, 489, 27
- 3 Tactoidal Granules in Concentrated Actin Gels: st]A Solidlike State of Protein Filaments. *Materials Research Society Symposia Proceedings*, **1997**, 489, 33
- 2 Electrostatically Induced Bundle Formation of Rodlike Polyelectrolytes: Comparison of Predictions from Monte Carlo Simulations with Experiments on Fd And M13 Virus Particles.. *Materials Research Society Symposia Proceedings*, **1997**, 489, 61
- 1 Functions of [His321]Gelsolin Isolated from a Flat Revertant of ras -Transformed Cells. *FEBS Journal* , **2008**, 229, 615-620