

Paul A Janmey

List of Publications by Year in descending order

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150
papers

18,757
citations

34076

52
h-index

12585

132
g-index

173
all docs

173
docs citations

173
times ranked

20446
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue Cells Feel and Respond to the Stiffness of Their Substrate. <i>Science</i> , 2005, 310, 1139-1143.	6.0	5,376
2	Nonlinear elasticity in biological gels. <i>Nature</i> , 2005, 435, 191-194.	13.7	1,394
3	Effects of extracellular matrix viscoelasticity on cellular behaviour. <i>Nature</i> , 2020, 584, 535-546.	13.7	1,045
4	Soft biological materials and their impact on cell function. <i>Soft Matter</i> , 2007, 3, 299-306.	1.2	731
5	Cell Mechanics: Integrating Cell Responses to Mechanical Stimuli. <i>Annual Review of Biomedical Engineering</i> , 2007, 9, 1-34.	5.7	545
6	Fibrin gels and their clinical and bioengineering applications. <i>Journal of the Royal Society Interface</i> , 2009, 6, 1-10.	1.5	537
7	A comparison of methods to assess cell mechanical properties. <i>Nature Methods</i> , 2018, 15, 491-498.	9.0	448
8	Mechanisms of mechanical signaling in development and disease. <i>Journal of Cell Science</i> , 2011, 124, 9-18.	1.2	398
9	Negative normal stress in semiflexible biopolymer gels. <i>Nature Materials</i> , 2007, 6, 48-51.	13.3	332
10	Non-Linear Elasticity of Extracellular Matrices Enables Contractile Cells to Communicate Local Position and Orientation. <i>PLoS ONE</i> , 2009, 4, e6382.	1.1	320
11	Rheology of Soft Materials. <i>Annual Review of Condensed Matter Physics</i> , 2010, 1, 301-322.	5.2	305
12	Control of cell morphology and differentiation by substrates with independently tunable elasticity and viscous dissipation. <i>Nature Communications</i> , 2018, 9, 449.	5.8	301
13	Hepatic stellate cells require a stiff environment for myofibroblastic differentiation. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G110-G118.	1.6	276
14	Dealing with mechanics: mechanisms of force transduction in cells. <i>Trends in Biochemical Sciences</i> , 2004, 29, 364-370.	3.7	248
15	Stiffness Sensing by Cells. <i>Physiological Reviews</i> , 2020, 100, 695-724.	13.1	227
16	Cytoskeletal regulation: rich in lipids. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 658-666.	16.1	204
17	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022038.	2.3	194
18	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.	3.3	183

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19	A comparison of hyperelastic constitutive models applicable to brain and fat tissues. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150486.	1.5	168
20	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, 3799-3805.	1.2	166
21	Vimentin protects cells against nuclear rupture and DNA damage during migration. <i>Journal of Cell Biology</i> , 2019, 218, 4079-4092.	2.3	155
22	Structure of the profilin-poly-L-proline complex involved in morphogenesis and cytoskeletal regulation. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 953-960.	3.6	154
23	Vimentin Enhances Cell Elastic Behavior and Protects against Compressive Stress. <i>Biophysical Journal</i> , 2014, 107, 314-323.	0.2	154
24	Thymosin β 4: A novel regulator of tumor cell motility upregulated in metastatic prostate cancer. <i>Nature Medicine</i> , 1996, 2, 1322-1328.	15.2	150
25	The hard life of soft cells. <i>Cytoskeleton</i> , 2009, 66, 597-605.	4.4	150
26	Compression stiffening of brain and its effect on mechanosensing by glioma cells. <i>New Journal of Physics</i> , 2014, 16, 075002.	1.2	148
27	From tissue mechanics to transcription factors. <i>Differentiation</i> , 2013, 86, 112-120.	1.0	131
28	Counterion induced bundle formation of rodlike polyelectrolytes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996, 100, 796-806.	0.9	129
29	Use of a gel-forming dipeptide derivative as a carrier for antigen presentation. <i>Journal of Peptide Science</i> , 1995, 1, 371-378.	0.8	127
30	Non-affine deformations in polymer hydrogels. <i>Soft Matter</i> , 2012, 8, 8039.	1.2	123
31	Uncoupling shear and uniaxial elastic moduli of semiflexible biopolymer networks: compression-softening and stretch-stiffening. <i>Scientific Reports</i> , 2016, 6, 19270.	1.6	122
32	Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. <i>Nature</i> , 2019, 573, 96-101.	13.7	118
33	Strain hardening of fibrin gels and plasma clots. <i>Rheologica Acta</i> , 1997, 36, 262-268.	1.1	114
34	Augmentation of integrin-mediated mechanotransduction by hyaluronic acid. <i>Biomaterials</i> , 2014, 35, 71-82.	5.7	97
35	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.	1.1	97
36	Effects of non-linearity on cell-ECM interactions. <i>Experimental Cell Research</i> , 2013, 319, 2481-2489.	1.2	95

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37	Polyelectrolyte properties of filamentous biopolymers and their consequences in biological fluids. <i>Soft Matter</i> , 2014, 10, 1439.	1.2	91
38	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.	1.3	86
39	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.	1.0	82
40	Electrostatically Induced Polyelectrolyte Association of Rodlike Virus Particles. <i>Physical Review Letters</i> , 1998, 81, 5465-5468.	2.9	80
41	Nonaffine Displacements in Flexible Polymer Networks. <i>Macromolecules</i> , 2011, 44, 1671-1679.	2.2	77
42	The (dys)functional extracellular matrix. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 3153-3164.	1.9	72
43	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.	3.3	72
44	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.	2.6	70
45	Inelastic behaviour of collagen networks in cell-matrix interactions and mechanosensation. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141074.	1.5	69
46	Substrate stiffness regulates solubility of cellular vimentin. <i>Molecular Biology of the Cell</i> , 2014, 25, 87-94.	0.9	67
47	Enhancement of phosphoinositide 3-kinase (PI 3-kinase) activity by membrane curvature and inositol-phospholipid-binding peptides. <i>FEBS Journal</i> , 1998, 258, 846-853.	0.2	64
48	Mechanical Properties of Intermediate Filament Proteins. <i>Methods in Enzymology</i> , 2016, 568, 35-57.	0.4	63
49	Elasticity of fibrous networks under uniaxial prestress. <i>Soft Matter</i> , 2016, 12, 5050-5060.	1.2	61
50	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. <i>Small</i> , 2019, 15, e1903180.	5.2	59
51	Mechanically Induced Reactive Gliosis Causes ATP-Mediated Alterations in Astrocyte Stiffness. <i>Journal of Neurotrauma</i> , 2009, 26, 789-797.	1.7	56
52	Contact-induced apical asymmetry drives the thigmotropic responses of <i>Candida albicans</i> hyphae. <i>Cellular Microbiology</i> , 2015, 17, 342-354.	1.1	56
53	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.	7.3	56
54	Mechanical and Non-Mechanical Functions of Filamentous and Non-Filamentous Vimentin. <i>BioEssays</i> , 2020, 42, e2000078.	1.2	55

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55	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.	1.2	55
56	Basic Rheology for Biologists. <i>Methods in Cell Biology</i> , 2007, 83, 1-27.	0.5	53
57	Lateral boundary mechanosensing by adherent cells in a collagen gel system. <i>Biomaterials</i> , 2014, 35, 1138-1149.	5.7	53
58	Surface Topography and Electrical Signaling: Single and Synergistic Effects on Neural Differentiation of Stem Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1907792.	7.8	50
59	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.	1.6	48
60	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, 6274-6282.	1.4	48
61	Glial Tissue Mechanics and Mechanosensing by Glial Cells. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 25.	1.8	48
62	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, 229-238.	1.4	47
63	Kinetics of formation of fibrin oligomers. II. Size distributions of ligated oligomers. <i>Biopolymers</i> , 1982, 21, 2265-2277.	1.2	45
64	Opposite responses of normal hepatocytes and hepatocellular carcinoma cells to substrate viscoelasticity. <i>Biomaterials Science</i> , 2020, 8, 1316-1328.	2.6	44
65	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.	2.6	43
66	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.	0.2	42
67	Counterion-mediated cluster formation by polyphosphoinositides. <i>Chemistry and Physics of Lipids</i> , 2014, 182, 38-51.	1.5	42
68	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, 3808-3815.	1.4	42
69	Scaling up single-cell mechanics to multicellular tissues " the role of the intermediate filament" desmosome network. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	42
70	Extracellular Vimentin as a Target Against SARS-CoV-2 Host Cell Invasion. <i>Small</i> , 2022, 18, e2105640.	5.2	41
71	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.	3.3	39
72	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.	1.6	38

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73	Compression stiffening of fibrous networks with stiff inclusions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21037-21044.	3.3	38
74	Mechanosensing at Cellular Interfaces. Langmuir, 2019, 35, 7509-7519.	1.6	36
75	A novel method to make viscoelastic polyacrylamide gels for cell culture and traction force microscopy. APL Bioengineering, 2020, 4, 036104.	3.3	36
76	Long-range mechanical signaling in biological systems. Soft Matter, 2021, 17, 241-253.	1.2	36
77	Programmable and contractile materials through cell encapsulation in fibrous hydrogel assemblies. Science Advances, 2021, 7, eabi8157.	4.7	36
78	Kinetics of formation of fibrin oligomers. I. Theory. Biopolymers, 1982, 21, 2253-2264.	1.2	33
79	Effects of actin filaments on fibrin clot structure and lysis. Blood, 1992, 80, 928-936.	0.6	33
80	The Polyelectrolyte Behavior of Actin Filaments: A 25Mg NMR Study. Biochemistry, 1999, 38, 7219-7226.	1.2	33
81	Counterion-mediated pattern formation in membranes containing anionic lipids. Advances in Colloid and Interface Science, 2014, 208, 177-188.	7.0	33
82	Methods for Determining the Cellular Functions of Vimentin Intermediate Filaments. Methods in Enzymology, 2016, 568, 389-426.	0.4	30
83	Biochemical and Cellular Determinants of Renal Glomerular Elasticity. PLoS ONE, 2016, 11, e0167924.	1.1	30
84	Vimentin tunes cell migration on collagen by controlling β 1 integrin activation and clustering. Journal of Cell Science, 2021, 134, .	1.2	30
85	Rheology. Current Biology, 2008, 18, R639-R641.	1.8	28
86	The correlation between cell and nucleus size is explained by an eukaryotic cell growth model. PLoS Computational Biology, 2022, 18, e1009400.	1.5	28
87	Dynamic Viscoelastic Properties of Gelatin Gels in Glycerol-Water Mixtures. Journal of Rheology, 1980, 24, 87-97.	1.3	27
88	Role of a Kinesin Motor in Cancer Cell Mechanics. Nano Letters, 2019, 19, 7691-7702.	4.5	26
89	The vimentin cytoskeleton: when polymer physics meets cell biology. Physical Biology, 2021, 18, 011001.	0.8	26
90	Inhibition of inflammatory response in human keratinocytes by magnetic nanoparticles functionalized with PBP10 peptide derived from the PIP2-binding site of human plasma gelsolin. Journal of Nanobiotechnology, 2019, 17, 22.	4.2	25

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91	Distinct Biochemical Characteristics of the Two Human Profilin Isoforms. <i>FEBS Journal</i> , 1995, 229, 621-628.	0.2	23
92	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.	3.0	23
93	Unique Role of Vimentin Networks in Compression Stiffening of Cells and Protection of Nuclei from Compressive Stress. <i>Nano Letters</i> , 2022, 22, 4725-4732.	4.5	21
94	Salmon-derived thrombin inhibits development of chronic pain through an endothelial barrier protective mechanism dependent on APC. <i>Biomaterials</i> , 2016, 80, 96-105.	5.7	20
95	Rheological properties of hydrogels based on ionic liquids. <i>Polymer Testing</i> , 2021, 93, 106943.	2.3	20
96	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.	3.3	20
97	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.	0.3	19
98	Susceptibility of microbial cells to the modified PIP2-binding sequence of gelsolin anchored on the surface of magnetic nanoparticles. <i>Journal of Nanobiotechnology</i> , 2019, 17, 81.	4.2	19
99	The Atr-Chek1 pathway inhibits axon regeneration in response to Piezo-dependent mechanosensation. <i>Nature Communications</i> , 2021, 12, 3845.	5.8	19
100	Quasielastic light scattering measurements of self-diffusion and mutual diffusion in gelatin solutions and gels. <i>Polymer Bulletin</i> , 1981, 6, 13.	1.7	18
101	Flightless I interacts with NMMIIA to promote cell extension formation, which enables collagen remodeling. <i>Molecular Biology of the Cell</i> , 2015, 26, 2279-2297.	0.9	18
102	Enhancement of Pulmozyme activity in purulent sputum by combination with poly-aspartic acid or gelsolin. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 587-593.	0.3	18
103	Polymerization of fibrin: Analysis of light-scattering data and relation to a peptide release. <i>Biopolymers</i> , 1983, 22, 2017-2019.	1.2	17
104	Polyelectrolyte-mediated increase of biofilm mass formation. <i>BMC Microbiology</i> , 2015, 15, 117.	1.3	17
105	Fibrous Hydrogels under Multi-Axial Deformation: Persistence Length as the Main Determinant of Compression Softening. <i>Advanced Functional Materials</i> , 2021, 31, 2010527.	7.8	17
106	Role Played by Prx1-Dependent Extracellular Matrix Properties in Vascular Smooth Muscle Development in Embryonic Lungs. <i>Pulmonary Circulation</i> , 2015, 5, 382-397.	0.8	16
107	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.	1.7	16
108	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.	1.9	16

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109	Conductive chitosan/polyaniline hydrogel with cell-imprinted topography as a potential substrate for neural priming of adipose derived stem cells. RSC Advances, 2021, 11, 15795-15807.	1.7	16
110	Characterization of Gelsolin Truncates that Inhibit Actin Depolymerization by Severing Activity of Gelsolin and Cofilin. FEBS Journal, 1997, 248, 834-839.	0.2	15
111	Polymerized ionic liquid-based hydrogels with intrinsic antibacterial activity: Modern weapons against antibiotic-resistant infections. Journal of Applied Polymer Science, 2021, 138, 50222.	1.3	15
112	Dynamic Tuning of Viscoelastic Hydrogels with Carbonyl Iron Microparticles Reveals the Rapid Response of Cells to Three-Dimensional Substrate Mechanics. ACS Applied Materials & Interfaces, 2021, 13, 20947-20959.	4.0	15
113	Cell-induced confinement effects in soft tissue mechanics. Journal of Applied Physics, 2021, 129, .	1.1	15
114	Measuring the Stiffness of Ex Vivo Mouse Aortas Using Atomic Force Microscopy. Journal of Visualized Experiments, 2016, , .	0.2	14
115	Elasticity-dependent response of malignant cells to viscous dissipation. Biomechanics and Modeling in Mechanobiology, 2021, 20, 145-154.	1.4	14
116	β -Catenin Localization and Sarcomere Self-Organization on N-Cadherin Adhesive Patterns Are Myocyte Contractility Driven. PLoS ONE, 2012, 7, e47592.	1.1	13
117	Allosteric HIV Integrase Inhibitors Promote Formation of Inactive Branched Polymers via Homomeric Carboxy-Terminal Domain Interactions. Structure, 2021, 29, 213-225.e5.	1.6	12
118	Cell-matrix tension contributes to hypoxia in astrocyte-seeded viscoelastic hydrogels composed of collagen and hyaluronan. Experimental Cell Research, 2019, 376, 49-57.	1.2	11
119	Evaluation of active Rac1 levels in cancer cells: A case of misleading conclusions from immunofluorescence analysis. Journal of Biological Chemistry, 2020, 295, 13698-13710.	1.6	11
120	Strain hardening of fibrin gels and plasma clots. Rheologica Acta, 1997, 36, 262-268.	1.1	11
121	Physics and Physiology of Cell Spreading in Two and Three Dimensions. Physiology, 2021, 36, 382-391.	1.6	11
122	Kinetics of formation of fibrin oligomers. III. Ligation kinetics concurrent with and subsequent to oligomer assembly. Biopolymers, 1984, 23, 127-138.	1.2	10
123	A slice of the actin. Nature, 1993, 364, 675-676.	13.7	10
124	Matrix stiffness regulates endosomal escape of uropathogenic <i>E. coli</i> . Cellular Microbiology, 2020, 22, e13196.	1.1	10
125	Recombinant Human Plasma Gelsolin Stimulates Phagocytosis while Diminishing Excessive Inflammatory Responses in Mice with Pseudomonas aeruginosa Sepsis. International Journal of Molecular Sciences, 2020, 21, 2551.	1.8	10
126	Induction of Apoptosis by Gelsolin Truncates. Annals of the New York Academy of Sciences, 1999, 886, 217-220.	1.8	9

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127	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.	0.9	9
128	Multiscale modeling of protein membrane interactions for nanoparticle targeting in drug delivery. <i>Current Opinion in Structural Biology</i> , 2020, 64, 104-110.	2.6	9
129	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.	1.4	8
130	Antibacterial Peptides - A Bright Future or a False Hope. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2007, 6, 175-184.	0.6	7
131	The Role of Matrix Stiffness in Hepatic Stellate Cell Activation and Liver Fibrosis. <i>Wound Repair and Regeneration</i> , 2005, 13, A24-A24.	1.5	6
132	Hyaluronan Disrupts Cardiomyocyte Organization within 3D Fibrin-Based Hydrogels. <i>Biophysical Journal</i> , 2019, 116, 1340-1347.	0.2	6
133	Compressive tumours cause neuronal damage. <i>Nature Biomedical Engineering</i> , 2019, 3, 171-172.	11.6	6
134	Polyelectrolyte Gels Formed by Filamentous Biopolymers: Dependence of Crosslinking Efficiency on the Chemical Softness of Divalent Cations. <i>Gels</i> , 2021, 7, 41.	2.1	6
135	A Novel Method to Make Polyacrylamide Gels with Mechanical Properties Resembling those of Biological Tissues. <i>Bio-protocol</i> , 2021, 11, e4131.	0.2	5
136	Synthesis and structure-activity relationships of novel cationic lipids with anti-inflammatory and antimicrobial activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2837-2843.	1.0	4
137	Materials science and mechanosensitivity of living matter. <i>Applied Physics Reviews</i> , 2022, 9, 011320.	5.5	4
138	N-Acetyl-Cysteine Increases Activity of Peanut-Shaped Gold Nanoparticles Against Biofilms Formed by Clinical Strains of <i>Pseudomonas aeruginosa</i> Isolated from Sputum of Cystic Fibrosis Patients. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 851-871.	1.1	4
139	Functions of [His321]Gelsolin Isolated from a Flat Revertant of <i>ras</i> -transformed Cells. <i>FEBS Journal</i> , 1995, 229, 615-620.	0.2	3
140	Lipid Head Group Charge and Fatty Acid Configuration Dictate Liposome Mobility in Neurofilament Networks. <i>Macromolecular Bioscience</i> , 2017, 17, 1600229.	2.1	3
141	Magnetic field tuning of mechanical properties of ultrasoft PDMS-based magnetorheological elastomers for biological applications. <i>Multifunctional Materials</i> , 2021, 4, 035001.	2.4	3
142	Cytoplasmic Transport: Bacteria Turn to Glass Unless Kicked. <i>Current Biology</i> , 2014, 24, R226-R228.	1.8	2
143	Clamping Down on Tumor Proliferation. <i>Biophysical Journal</i> , 2014, 107, 1775-1776.	0.2	2
144	Membrane signalosome: Where biophysics meets systems biology. <i>Current Opinion in Systems Biology</i> , 2021, 25, 34-41.	1.3	2

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145	Microindentation of Fluid-Filled Cellular Domes Reveals the Contribution of RhoA-ROCK Signaling to Multicellular Mechanics. <i>Small</i> , 2022, , 2200883.	5.2	2
146	Effects of actin filaments on fibrin clot structure and lysis. <i>Blood</i> , 1992, 80, 928-936.	0.6	1
147	Reptation of Microtubules in F-Actin Networks : Effects of Filament Stiffness and Network Topology on Reptation Dynamics. <i>Materials Research Society Symposia Proceedings</i> , 1997, 489, 27.	0.1	0
148	Tactoidal Granules in Concentrated Actin Gels: A Solidlike State of Protein Filaments. <i>Materials Research Society Symposia Proceedings</i> , 1997, 489, 33.	0.1	0
149	Electrostatically Induced Bundle Formation of Rodlike Polyelectrolytes: Comparison of Predictions from Monte Carlo Simulations with Experiments on Fd And M13 Virus Particles.. <i>Materials Research Society Symposia Proceedings</i> , 1997, 489, 61.	0.1	0
150	Watching a cell sheet transform from soft to stiff. <i>Biophysical Journal</i> , 2022, , .	0.2	0