# Paul A Janmey

## List of Publications by Year in Descending Order



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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 | The correlation between cell and nucleus size is explained by an eukaryotic cell growth model.. *PLoS Computational Biology*, **2022**, 18, e1009400 | 5 | 2 |
| 147 | Materials science and mechanosensitivity of living matter.. *Applied Physics Reviews*, **2022**, 9, 011320 | 17.3 | 1 |
| 146 | N-Acetyl-Cysteine Increases Activity of Peanut-Shaped Gold Nanoparticles Against Biofilms Formed by Clinical Strains of Isolated from Sputum of Cystic Fibrosis Patients.. *Infection and Drug Resistance*, **2022**, 15, 851-871 | 4.2 | 2 |
| 145 | Glycosaminoglycans modulate long-range mechanical communication between cells in collagen networks.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2116718119 | 11.5 | 3 |
| 144 | Microindentation of Fluid-Filled Cellular Domes Reveals the Contribution of RhoA-ROCK Signaling to Multicellular Mechanics.. *Small*, **2022**, e2200883 | 11 | 1 |
| 143 | Extracellular Vimentin as a Target Against SARS-CoV-2 Host Cell Invasion. *Small*, **2021**, e2105640 | 11 | 5 |
| 142 | Programmable and contractile materials through cell encapsulation in fibrous hydrogel assemblies. *Science Advances*, **2021**, 7, eabi8157 | 14.3 | 10 |
| 141 | Physics and Physiology of Cell Spreading in Two and Three Dimensions. *Physiology*, **2021**, 36, 382-391 | 9.8 | 1 |
| 140 | Membrane signalosome: where biophysics meets systems biology. *Current Opinion in Systems Biology*, **2021**, 25, 34-41 | 3.2 | 0 |
| 139 | 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 | 9.5 | 7 |
| 138 | Cell-induced confinement effects in soft tissue mechanics. *Journal of Applied Physics*, **2021**, 129, 140901 | 2.5 | 6 |
| 137 | The Atr-Chek1 pathway inhibits axon regeneration in response to Piezo-dependent mechanosensation. *Nature Communications*, **2021**, 12, 3845 | 17.4 | 4 |
| 136 | Polymerized ionic liquids-based hydrogels with intrinsic antibacterial activity: Modern weapons against antibiotic-resistant infections. *Journal of Applied Polymer Science*, **2021**, 138, 50222 | 2.9 | 6 |
| 135 | Rheological properties of hydrogels based on ionic liquids. *Polymer Testing*, **2021**, 93, 106943 | 4.5 | 3 |
| 134 | In search of the correlation between nanomechanical and biomolecular properties of prostate cancer cells with different metastatic potential. *Archives of Biochemistry and Biophysics*, **2021**, 697, 108718 | 4.1 | 2 |
| 133 | Long-range mechanical signaling in biological systems. *Soft Matter*, **2021**, 17, 241-253 | 3.6 | 7 |
| 132 | Elasticity-dependent response of malignant cells to viscous dissipation. *Biomechanics and Modeling in Mechanobiology*, **2021**, 20, 145-154 | 3.8 | 6 |

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| 131 | Extracellular vimentin as a target against SARS-CoV-2 host cell invasion **2021**, | | 12 |
| 130 | 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 | 3.7 | 2 |
| 129 | A Novel Method to Make Polyacrylamide Gels with Mechanical Properties Resembling those of Biological Tissues. *Bio-protocol*, **2021**, 11, e4131 | 0.9 | 1 |
| 128 | Fibrous Hydrogels under Multi-Axial Deformation: Persistence Length as the Main Determinant of Compression Softening. *Advanced Functional Materials*, **2021**, 31, 2010527 | 15.6 | 5 |
| 127 | Allosteric HIV Integrase Inhibitors Promote Formation of Inactive Branched Polymers via Homomeric Carboxy-Terminal Domain Interactions. *Structure*, **2021**, 29, 213-225.e5 | 5.2 | 5 |
| 126 | Vimentin tunes cell migration on collagen by controlling β1 integrin activation and clustering. *Journal of Cell Science*, **2021**, 134, | 5.3 | 9 |
| 125 | Magnetic field tuning of mechanical properties of ultrasoft PDMS-based magnetorheological elastomers for biological applications. *Multifunctional Materials*, **2021**, 4, 035001 | 5.2 | 1 |
| 124 | Cooperative roles of PAK1 and filamin A in regulation of vimentin assembly and cell extension formation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118739 | 4.9 | 8 |
| 123 | Scaling up single-cell mechanics to multicellular tissues - the role of the intermediate filament-desmosome network. *Journal of Cell Science*, **2020**, 133, | 5.3 | 19 |
| 122 | Matrix stiffness regulates endosomal escape of uropathogenic E. coli. *Cellular Microbiology*, **2020**, 22, e13196 | 3.9 | 2 |
| 121 | Recombinant Human Plasma Gelsolin Stimulates Phagocytosis while Diminishing Excessive Inflammatory Responses in Mice with Sepsis. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 6 |
| 120 | Surface Topography and Electrical Signaling: Single and Synergistic Effects on Neural Differentiation of Stem Cells. *Advanced Functional Materials*, **2020**, 30, 1907792 | 15.6 | 17 |
| 119 | The vimentin cytoskeleton: when polymer physics meets cell biology. *Physical Biology*, **2020**, 18, 011001 | 3 | 6 |
| 118 | Opposite responses of normal hepatocytes and hepatocellular carcinoma cells to substrate viscoelasticity. *Biomaterials Science*, **2020**, 8, 1316-1328 | 7.4 | 20 |
| 117 | Stiffness Sensing by Cells. *Physiological Reviews*, **2020**, 100, 695-724 | 47.9 | 88 |
| 116 | Multiscale modeling of protein membrane interactions for nanoparticle targeting in drug delivery. *Current Opinion in Structural Biology*, **2020**, 64, 104-110 | 8.1 | 4 |
| 115 | Evaluation of active Rac1 levels in cancer cells: A case of misleading conclusions from immunofluorescence analysis. *Journal of Biological Chemistry*, **2020**, 295, 13698-13710 | 5.4 | 7 |
| 114 | Effects of extracellular matrix viscoelasticity on cellular behaviour. *Nature*, **2020**, 584, 535-546 | 50.4 | 362 |

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|---|---|---|---|
| 113 | Mechanical and Non-Mechanical Functions of Filamentous and Non-Filamentous Vimentin. *BioEssays*, **2020**, 42, e2000078 | 4.1 | 25 |
| 112 | Tissue Rheology as a Possible Complementary Procedure to Advance Histological Diagnosis of Colon Cancer. *ACS Biomaterials Science and Engineering*, **2020**, 6, 5620-5631 | 5.5 | 17 |
| 111 | A novel method to make viscoelastic polyacrylamide gels for cell culture and traction force microscopy. *APL Bioengineering*, **2020**, 4, 036104 | 6.6 | 12 |
| 110 | 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 | 11.5 | 13 |
| 109 | Emergence of tissue-like mechanics from fibrous networks confined by close-packed cells. *Nature*, **2019**, 573, 96-101 | 50.4 | 63 |
| 108 | Role of a Kinesin Motor in Cancer Cell Mechanics. *Nano Letters*, **2019**, 19, 7691-7702 | 11.5 | 13 |
| 107 | Cell-matrix tension contributes to hypoxia in astrocyte-seeded viscoelastic hydrogels composed of collagen and hyaluronan. *Experimental Cell Research*, **2019**, 376, 49-57 | 4.2 | 10 |
| 106 | Myosin IIA suppresses glioblastoma development in a mechanically sensitive manner. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 15550-15559 | 11.5 | 26 |
| 105 | Hyaluronan Disrupts Cardiomyocyte Organization within 3D Fibrin-Based Hydrogels. *Biophysical Journal*, **2019**, 116, 1340-1347 | 2.9 | 4 |
| 104 | Strong triaxial coupling and anomalous Poisson effect in collagen networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 6790-6799 | 11.5 | 41 |
| 103 | Compressive tumours cause neuronal damage. *Nature Biomedical Engineering*, **2019**, 3, 171-172 | 19 | 5 |
| 102 | Sensitivity of multifrequency magnetic resonance elastography and diffusion-weighted imaging to cellular and stromal integrity of liver tissue. *Journal of Biomechanics*, **2019**, 88, 201-208 | 2.9 | 5 |
| 101 | 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 | 9.4 | 11 |
| 100 | Susceptibility of microbial cells to the modified PIP-binding sequence of gelsolin anchored on the surface of magnetic nanoparticles. *Journal of Nanobiotechnology*, **2019**, 17, 81 | 9.4 | 15 |
| 99 | Vimentin protects cells against nuclear rupture and DNA damage during migration. *Journal of Cell Biology*, **2019**, 218, 4079-4092 | 7.3 | 74 |
| 98 | Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. *Small*, **2019**, 15, e1903180 | 11 | 31 |
| 97 | Mechanosensing at Cellular Interfaces. *Langmuir*, **2019**, 35, 7509-7519 | 4 | 21 |
| 96 | Soft Hyaluronic Gels Promote Cell Spreading, Stress Fibers, Focal Adhesion, and Membrane Tension by Phosphoinositide Signaling, Not Traction Force. *ACS Nano*, **2019**, 13, 203-214 | 16.7 | 38 |

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| 95 | Matching material and cellular timescales maximizes cell spreading on viscoelastic substrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2686-E2695 | 11.5 | 113 |
| 94 | Control of cell morphology and differentiation by substrates with independently tunable elasticity and viscous dissipation. *Nature Communications*, **2018**, 9, 449 | 17.4 | 173 |
| 93 | Similar Biophysical Abnormalities in Glomeruli and Podocytes from Two Distinct Models. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 1501-1512 | 12.7 | 14 |
| 92 | Glial Tissue Mechanics and Mechanosensing by Glial Cells. *Frontiers in Cellular Neuroscience*, **2018**, 12, 25 | 6.1 | 28 |
| 91 | Regulation of actin assembly by PI(4,5)P2 and other inositol phospholipids: An update on possible mechanisms. *Biochemical and Biophysical Research Communications*, **2018**, 506, 307-314 | 3.4 | 47 |
| 90 | A comparison of methods to assess cell mechanical properties. *Nature Methods*, **2018**, 15, 491-498 | 21.6 | 265 |
| 89 | Salmon fibrinogen and chitosan scaffold for tissue engineering: in vitro and in vivo evaluation. *Journal of Materials Science: Materials in Medicine*, **2018**, 29, 182 | 4.5 | 12 |
| 88 | Mechanical Properties of the Cytoskeleton and Cells. *Cold Spring Harbor Perspectives in Biology*, **2017**, 9, | 10.2 | 103 |
| 87 | Soft Substrates Containing Hyaluronan Mimic the Effects of Increased Stiffness on Morphology, Motility, and Proliferation of Glioma Cells. *Biomacromolecules*, **2017**, 18, 3040-3051 | 6.9 | 41 |
| 86 | Lipid Head Group Charge and Fatty Acid Configuration Dictate Liposome Mobility in Neurofilament Networks. *Macromolecular Bioscience*, **2017**, 17, 1600229 | 5.5 | 3 |
| 85 | Measuring the Stiffness of Ex Vivo Mouse Aortas Using Atomic Force Microscopy. *Journal of Visualized Experiments*, **2016**, | 1.6 | 8 |
| 84 | Salmon-derived thrombin inhibits development of chronic pain through an endothelial barrier protective mechanism dependent on APC. *Biomaterials*, **2016**, 80, 96-105 | 15.6 | 16 |
| 83 | Mechanical Properties of Intermediate Filament Proteins. *Methods in Enzymology*, **2016**, 568, 35-57 | 1.7 | 42 |
| 82 | Normal and Fibrotic Rat Livers Demonstrate Shear Strain Softening and Compression Stiffening: A Model for Soft Tissue Mechanics. *PLoS ONE*, **2016**, 11, e0146588 | 3.7 | 68 |
| 81 | Methods for Determining the Cellular Functions of Vimentin Intermediate Filaments. *Methods in Enzymology*, **2016**, 568, 389-426 | 1.7 | 23 |
| 80 | Biochemical and Cellular Determinants of Renal Glomerular Elasticity. *PLoS ONE*, **2016**, 11, e0167924 | 3.7 | 23 |
| 79 | Uncoupling shear and uniaxial elastic moduli of semiflexible biopolymer networks: compression-softening and stretch-stiffening. *Scientific Reports*, **2016**, 6, 19270 | 4.9 | 98 |
| 78 | Elasticity of fibrous networks under uniaxial prestress. *Soft Matter*, **2016**, 12, 5050-60 | 3.6 | 46 |

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| 77 | Filamin A Mediates Wound Closure by Promoting Elastic Deformation and Maintenance of Tension in the Collagen Matrix. *Journal of Investigative Dermatology*, **2015**, 135, 2852-2861 | 4.3 | 15 |
| 76 | The (dys)functional extracellular matrix. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 3153-64 | 4.9 | 57 |
| 75 | Bactericidal activities of cathelicidin LL-37 and select cationic lipids against the hypervirulent Pseudomonas aeruginosa strain LESB58. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 3808-15 | 5.9 | 36 |
| 74 | Flightless I interacts with NMMIIA to promote cell extension formation, which enables collagen remodeling. *Molecular Biology of the Cell*, **2015**, 26, 2279-97 | 3.5 | 15 |
| 73 | Polyelectrolyte-mediated increase of biofilm mass formation. *BMC Microbiology*, **2015**, 15, 117 | 4.5 | 15 |
| 72 | Contact-induced apical asymmetry drives the thigmotropic responses of Candida albicans hyphae. *Cellular Microbiology*, **2015**, 17, 342-54 | 3.9 | 38 |
| 71 | A comparison of hyperelastic constitutive models applicable to brain and fat tissues. *Journal of the Royal Society Interface*, **2015**, 12, 0486 | 4.1 | 109 |
| 70 | Bactericidal Activity of Ceragenin CSA-13 in Cell Culture and in an Animal Model of Peritoneal Infection. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 6274-82 | 5.9 | 36 |
| 69 | Enhancement of Pulmozyme activity in purulent sputum by combination with poly-aspartic acid or gelsolin. *Journal of Cystic Fibrosis*, **2015**, 14, 587-93 | 4.1 | 12 |
| 68 | Inelastic behaviour of collagen networks in cell-matrix interactions and mechanosensation. *Journal of the Royal Society Interface*, **2015**, 12, 20141074 | 4.1 | 48 |
| 67 | Synthesis and structure-activity relationships of novel cationic lipids with anti-inflammatory and antimicrobial activities. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2837-43 | 2.9 | 4 |
| 66 | Role played by Prx1-dependent extracellular matrix properties in vascular smooth muscle development in embryonic lungs. *Pulmonary Circulation*, **2015**, 5, 382-97 | 2.7 | 15 |
| 65 | Cytoplasmic transport: bacteria turn to glass unless kicked. *Current Biology*, **2014**, 24, R226-8 | 6.3 | 2 |
| 64 | Counterion-mediated pattern formation in membranes containing anionic lipids. *Advances in Colloid and Interface Science*, **2014**, 208, 177-88 | 14.3 | 31 |
| 63 | Augmentation of integrin-mediated mechanotransduction by hyaluronic acid. *Biomaterials*, **2014**, 35, 71-82 | 15.6 | 86 |
| 62 | Polyelectrolyte properties of filamentous biopolymers and their consequences in biological fluids. *Soft Matter*, **2014**, 10, 1439-49 | 3.6 | 70 |
| 61 | Clamping down on tumor proliferation. *Biophysical Journal*, **2014**, 107, 1775-1776 | 2.9 | 1 |
| 60 | Vimentin enhances cell elastic behavior and protects against compressive stress. *Biophysical Journal*, **2014**, 107, 314-323 | 2.9 | 107 |

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| 59 | Compression stiffening of brain and its effect on mechanosensing by glioma cells. *New Journal of Physics*, **2014**, 16, 075002 | 2.9 | 113 |
| 58 | Substrate stiffness regulates solubility of cellular vimentin. *Molecular Biology of the Cell*, **2014**, 25, 87-94 | 3.5 | 60 |
| 57 | Lateral boundary mechanosensing by adherent cells in a collagen gel system. *Biomaterials*, **2014**, 35, 1138-49 | 15.6 | 42 |
| 56 | Structural basis for PI(4)P-specific membrane recruitment of the Legionella pneumophila effector DrrA/SidM. *Structure*, **2014**, 22, 397-408 | 5.2 | 37 |
| 55 | Counterion-mediated cluster formation by polyphosphoinositides. *Chemistry and Physics of Lipids*, **2014**, 182, 38-51 | 3.7 | 37 |
| 54 | From tissue mechanics to transcription factors. *Differentiation*, **2013**, 86, 112-20 | 3.5 | 113 |
| 53 | Effects of non-linearity on cell-ECM interactions. *Experimental Cell Research*, **2013**, 319, 2481-9 | 4.2 | 82 |
| 52 | Non-affine deformations in polymer hydrogels. *Soft Matter*, **2012**, 8, 8039-8049 | 3.6 | 104 |
| 51 | Catenin localization and sarcomere self-organization on N-cadherin adhesive patterns are myocyte contractility driven. *PLoS ONE*, **2012**, 7, e47592 | 3.7 | 12 |
| 50 | Mechanisms of mechanical signaling in development and disease. *Journal of Cell Science*, **2011**, 124, 9-18 | 5.3 | 333 |
| 49 | Potential of ceragenin CSA-13 and its mixture with pluronic F-127 as treatment of topical bacterial infections. *Journal of Applied Microbiology*, **2011**, 110, 229-38 | 4.7 | 36 |
| 48 | Nonaffine Displacements in Flexible Polymer Networks. *Macromolecules*, **2011**, 44, 1671-1679 | 5.5 | 66 |
| 47 | Hepatic stellate cells require a stiff environment for myofibroblastic differentiation. *American Journal of Physiology - Renal Physiology*, **2011**, 301, G110-8 | 5.1 | 224 |
| 46 | Lack of collagen XVIII long isoforms affects kidney podocytes, whereas the short form is needed in the proximal tubular basement membrane. *Journal of Biological Chemistry*, **2011**, 286, 7755-7764 | 5.4 | 24 |
| 45 | Rheology of Soft Materials. *Annual Review of Condensed Matter Physics*, **2010**, 1, 301-322 | 19.7 | 246 |
| 44 | Mechanically Induced Reactive Gliosis Causes ATP-Mediated Alterations in Astrocyte Stiffness. *Journal of Neurotrauma*, **2009**, 26, 789-797 | 5.4 | 48 |
| 43 | The hard life of soft cells. *Cytoskeleton*, **2009**, 66, 597-605 | | 136 |
| 42 | Fibrin gels and their clinical and bioengineering applications. *Journal of the Royal Society Interface*, **2009**, 6, 1-10 | 4.1 | 456 |

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| 41 | Nonlinear elasticity of stiff filament networks: strain stiffening, negative normal stress, and filament alignment in fibrin gels. *Journal of Physical Chemistry B*, **2009**, 113, 3799-805 | 3.4 | 139 |
| 40 | Non-linear elasticity of extracellular matrices enables contractile cells to communicate local position and orientation. *PLoS ONE*, **2009**, 4, e6382 | 3.7 | 269 |
| 39 | Functions of [His321]Gelsolin Isolated from a Flat Revertant of ras -Transformed Cells. *FEBS Journal* , **2008**, 229, 615-620 | | |
| 38 | Distinct Biochemical Characteristics of the Two Human Profilin Isoforms. *FEBS Journal*, **2008**, 229, 621-628 | | 3 |
| 37 | Rheology. *Current Biology*, **2008**, 18, R639-R641 | 6.3 | 22 |
| 36 | Cell mechanics: integrating cell responses to mechanical stimuli. *Annual Review of Biomedical Engineering*, **2007**, 9, 1-34 | 12 | 473 |
| 35 | Negative normal stress in semiflexible biopolymer gels. *Nature Materials*, **2007**, 6, 48-51 | 27 | 289 |
| 34 | Soft biological materials and their impact on cell function. *Soft Matter*, **2007**, 3, 299-306 | 3.6 | 643 |
| 33 | Basic rheology for biologists. *Methods in Cell Biology*, **2007**, 83, 3-27 | 1.8 | 47 |
| 32 | Antibacterial Peptides - A Bright Future or a False Hope. *Anti-Infective Agents in Medicinal Chemistry* , **2007**, 6, 175-184 | | 7 |
| 31 | Tissue cells feel and respond to the stiffness of their substrate. *Science*, **2005**, 310, 1139-43 | 33.3 | 4669 |
| 30 | Nonlinear elasticity in biological gels. *Nature*, **2005**, 435, 191-4 | 50.4 | 1194 |
| 29 | The Role of Matrix Stiffness in Hepatic Stellate Cell Activation and Liver Fibrosis. *Wound Repair and Regeneration*, **2005**, 13, A24-A24 | 3.6 | 2 |
| 28 | Cytoskeletal regulation: rich in lipids. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 658-66 | 48.7 | 195 |
| 27 | Dealing with mechanics: mechanisms of force transduction in cells. *Trends in Biochemical Sciences*, **2004**, 29, 364-70 | 10.3 | 219 |
| 26 | Gelsolin evidence for a role in turnover of junction-related actin filaments in Sertoli cells. *Journal of Cell Science*, **2002**, 115, 499-505 | 5.3 | 45 |
| 25 | Induction of apoptosis by gelsolin truncates. *Annals of the New York Academy of Sciences*, **1999**, 886, 217-20 | 6.5 | 9 |
| 24 | Fluorescent phosphoinositide derivatives reveal specific binding of gelsolin and other actin regulatory proteins to mixed lipid bilayers. *FEBS Journal*, **1999**, 263, 85-92 | | 37 |

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|---|---|---|---|
| 23 | The polyelectrolyte behavior of actin filaments: a 25Mg NMR study. *Biochemistry*, **1999**, 38, 7219-26 | 3.2 | 27 |
| 22 | Enhancement of phosphoinositide 3-kinase (PI 3-kinase) activity by membrane curvature and inositol-phospholipid-binding peptides. *FEBS Journal*, **1998**, 258, 846-53 | | 53 |
| 21 | Electrostatically Induced Polyelectrolyte Association of Rodlike Virus Particles. *Physical Review Letters*, **1998**, 81, 5465-5468 | 7.4 | 77 |
| 20 | 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 | | |
| 19 | Tactoidal Granules in Concentrated Actin Gels: st]A Solidlike State of Protein Filaments. *Materials Research Society Symposia Proceedings*, **1997**, 489, 33 | | |
| 18 | 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 | | |
| 17 | Strain hardening of fibrin gels and plasma clots. *Rheologica Acta*, **1997**, 36, 262-268 | 2.3 | 104 |
| 16 | Structure of the profilin-poly-L-proline complex involved in morphogenesis and cytoskeletal regulation. *Nature Structural and Molecular Biology*, **1997**, 4, 953-60 | 17.6 | 135 |
| 15 | Characterization of gelsolin truncates that inhibit actin depolymerization by severing activity of gelsolin and cofilin. *FEBS Journal*, **1997**, 248, 834-9 | | 14 |
| 14 | Strain hardening of fibrin gels and plasma clots **1997**, 36, 262 | | 2 |
| 13 | Counterion induced bundle formation of rodlike polyelectrolytes. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1996**, 100, 796-806 | | 118 |
| 12 | Thymosin beta 15: a novel regulator of tumor cell motility upregulated in metastatic prostate cancer. *Nature Medicine*, **1996**, 2, 1322-8 | 50.5 | 131 |
| 11 | Use of a gel-forming dipeptide derivative as a carrier for antigen presentation. *Journal of Peptide Science*, **1995**, 1, 371-8 | 2.1 | 107 |
| 10 | Effects of actin filaments on fibrin clot structure and lysis. *Blood*, **1992**, 80, 928-936 | 2.2 | 31 |
| 9 | Effects of actin filaments on fibrin clot structure and lysis. *Blood*, **1992**, 80, 928-936 | 2.2 | 1 |
| 8 | Kinetics of formation of fibrin oligomers. III. Ligation kinetics concurrent with and subsequent to oligomer assembly. *Biopolymers*, **1984**, 23, 127-38 | 2.2 | 8 |
| 7 | Polymerization of fibrin: analysis of light-scattering data and relation to a peptide release. *Biopolymers*, **1983**, 22, 2017-9 | 2.2 | 16 |
| 6 | Rheology of Fibrin Clots. VI. Stress Relaxation, Creep, and Differential Dynamic Modulus of Fine Clots in Large Shearing Deformations. *Journal of Rheology*, **1983**, 27, 135-153 | 4.1 | 74 |

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| 5 | Kinetics of formation of fibrin oligomers. I. Theory. *Biopolymers*, **1982**, 21, 2253-64 | 2.2 | 30 |
| 4 | Kinetics of formation of fibrin oligomers. II. Size distributions of ligated oligomers. *Biopolymers*, **1982**, 21, 2265-77 | 2.2 | 41 |
| 3 | Quasielastic light scattering measurements of self-diffusion and mutual diffusion in gelatin solutions and gels. *Polymer Bulletin*, **1981**, 6, 13 | 2.4 | 13 |
| 2 | Dynamic Viscoelastic Properties of Gelatin Gels in Glycerol-Water Mixtures. *Journal of Rheology*, **1980**, 24, 87-97 | 4.1 | 21 |
| 1 | Loss of vimentin intermediate filaments decreases peri-nuclear stiffness and enhances cell motility through confined spaces | | 1 |