

# Murugappan Muthukumar

## List of Publications by Year in descending order

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299  
papers

18,327  
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10956

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319  
docs citations

319  
times ranked

10212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Competing Interactions and Levels of Ordering in Self-Organizing Polymeric Materials. <i>Science</i> , 1997, 277, 1225-1232.	6.0	701
2	Cononsolvency in mixed aqueous solutions of poly(N-isopropylacrylamide). <i>Macromolecules</i> , 1991, 24, 948-952.	2.2	493
3	Polymer translocation through a hole. <i>Journal of Chemical Physics</i> , 1999, 111, 10371-10374.	1.2	478
4	Configurational characteristics and scaling behavior of starburst molecules: a computational study. <i>Macromolecules</i> , 1990, 23, 2280-2288.	2.2	395
5	Theory of counter-ion condensation on flexible polyelectrolytes: Adsorption mechanism. <i>Journal of Chemical Physics</i> , 2004, 120, 9343-9350.	1.2	344
6	<i>50th Anniversary Perspective</i>: A Perspective on Polyelectrolyte Solutions. <i>Macromolecules</i> , 2017, 50, 9528-9560.	2.2	332
7	Screening effect on viscoelasticity near the gel point. <i>Macromolecules</i> , 1989, 22, 4656-4658.	2.2	325
8	Translocation of a Confined Polymer through a Hole. <i>Physical Review Letters</i> , 2001, 86, 3188-3191.	2.9	323
9	Adsorption of a polyelectrolyte chain to a charged surface. <i>Journal of Chemical Physics</i> , 1987, 86, 7230-7235.	1.2	307
10	Entropy and enthalpy of polyelectrolyte complexation: Langevin dynamics simulations. <i>Journal of Chemical Physics</i> , 2006, 124, 154902.	1.2	280
11	Reaction-Controlled Morphology of Phase-Separating Mixtures. <i>Physical Review Letters</i> , 1995, 74, 2034-2037.	2.9	255
12	Polymer escape through a nanopore. <i>Journal of Chemical Physics</i> , 2003, 118, 5174-5184.	1.2	232
13	Tuning the Density Profile of Dendritic Polyelectrolytes. <i>Macromolecules</i> , 1998, 31, 5892-5897.	2.2	231
14	Electrostatic origin of the genome packing in viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17174-17178.	3.3	219
15	A trapped polymer chain in random porous media. <i>Journal of Chemical Physics</i> , 1987, 87, 3082-3088.	1.2	218
16	High-Bandwidth Protein Analysis Using Solid-State Nanopores. <i>Biophysical Journal</i> , 2014, 106, 696-704.	0.2	209
17	Mean-Field Theory for Diffusion-Limited Cluster Formation. <i>Physical Review Letters</i> , 1983, 50, 839-842.	2.9	207
18	Effects of entropic barriers on polymer dynamics. <i>Macromolecules</i> , 1989, 22, 1937-1941.	2.2	199

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19	Langevin dynamics simulations of early stage shish-kebab crystallization of polymers in extensional flow. <i>Journal of Chemical Physics</i> , 2003, 118, 6648-6655.	1.2	199
20	Langevin dynamics simulations of early-stage polymer nucleation and crystallization. <i>Journal of Chemical Physics</i> , 1998, 109, 2536-2542.	1.2	194
21	Molecular Mechanisms of Polymer Crystallization from Solution. <i>Physical Review Letters</i> , 2001, 87, 218302.	2.9	191
22	Knottedness in ring polymers. <i>Physical Review Letters</i> , 1991, 66, 2211-2214.	2.9	190
23	Dynamics of polymeric fractals. <i>Journal of Chemical Physics</i> , 1985, 83, 3161-3168.	1.2	183
24	Double screening in polyelectrolyte solutions: Limiting laws and crossover formulas. <i>Journal of Chemical Physics</i> , 1996, 105, 5183-5199.	1.2	171
25	Langevin dynamics simulation of counterion distribution around isolated flexible polyelectrolyte chains. <i>Journal of Chemical Physics</i> , 2002, 116, 9975-9982.	1.2	166
26	The size of a polymer in random media. <i>Journal of Chemical Physics</i> , 1988, 89, 2435-2441.	1.2	160
27	Dynamics of polyelectrolyte solutions. <i>Journal of Chemical Physics</i> , 1997, 107, 2619-2635.	1.2	160
28	Modeling polymer crystallization from solutions. <i>Polymer</i> , 2000, 41, 8833-8837.	1.8	153
29	Adsorption of polyelectrolytes onto curved surfaces. <i>Journal of Chemical Physics</i> , 1994, 100, 7796-7803.	1.2	151
30	Research in Macromolecular Science: Challenges and Opportunities for the Next Decade. <i>Macromolecules</i> , 2009, 42, 465-471.	2.2	145
31	The Electrostatic Expansion of Linear Polyelectrolytes: Effects of Gegenions, Co-ions, and Hydrophobicity. <i>Macromolecules</i> , 1997, 30, 8375-8385.	2.2	138
32	Monte Carlo study of adsorption of a polyelectrolyte onto charged surfaces. <i>Journal of Chemical Physics</i> , 1998, 109, 1522-1527.	1.2	138
33	Fractal dimension of a crosslinking polymer at the gel point. <i>Macromolecules</i> , 1986, 19, 1284-1285.	2.2	136
34	Diffusion of a polymer chain in random media. <i>Macromolecules</i> , 1989, 22, 1941-1946.	2.2	136
35	Theory of capture rate in polymer translocation. <i>Journal of Chemical Physics</i> , 2010, 132, 195101.	1.2	134
36	Mechanism of DNA Transport Through Pores. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2007, 36, 435-450.	18.3	133

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37	Langevin Dynamics Simulations of Genome Packing in Bacteriophage. <i>Biophysical Journal</i> , 2006, 91, 25-41.	0.2	132
38	Polymer capture by electro-osmotic flow of oppositely charged nanopores. <i>Journal of Chemical Physics</i> , 2007, 126, 164903.	1.2	132
39	Polyelectrolyte solutions with added salt: A simulation study. <i>Journal of Chemical Physics</i> , 2003, 119, 1813-1823.	1.2	128
40	Protein Transport through a Narrow Solid-State Nanopore at High Voltage: Experiments and Theory. <i>ACS Nano</i> , 2012, 6, 6236-6243.	7.3	126
41	Simulation of polymer translocation through protein channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5273-5278.	3.3	123
42	Thermodynamics of polymer solutions. <i>Journal of Chemical Physics</i> , 1986, 85, 4722-4728.	1.2	122
43	Molecular modelling of nucleation in polymers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 539-556.	1.6	119
44	Theory of competitive counterion adsorption on flexible polyelectrolytes: Divalent salts. <i>Journal of Chemical Physics</i> , 2008, 128, 244901.	1.2	115
45	Simulations of nucleation and elongation of amyloid fibrils. <i>Journal of Chemical Physics</i> , 2009, 130, 035102.	1.2	115
46	Dendrimer-Polyelectrolyte Complexation: A Model Guest-Host System. <i>Macromolecules</i> , 2000, 33, 6159-6167.	2.2	114
47	pH Tuning of DNA Translocation Time through Organically Functionalized Nanopores. <i>ACS Nano</i> , 2013, 7, 1408-1414.	7.3	114
48	Polymer translocation through $\sigma$ -hemolysin pore with tunable polymer-pore electrostatic interaction. <i>Journal of Chemical Physics</i> , 2010, 133, 045101.	1.2	111
49	Fluctuation-Assisted Crystallization: In a Simultaneous Phase Separation and Crystallization Polyolefin Blend System. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1285-1288.	2.0	110
50	Pattern formation in drying droplets of polyelectrolyte and salt. <i>Journal of Chemical Physics</i> , 2010, 133, 114905.	1.2	109
51	Commentary on theories of polymer crystallization. <i>European Physical Journal E</i> , 2000, 3, 199-202.	0.7	108
52	Polymer translocation through a nanopore. II. Excluded volume effect. <i>Journal of Chemical Physics</i> , 2004, 120, 3460-3466.	1.2	105
53	Processing Pathways Decide Polymer Properties at the Molecular Level. <i>Macromolecules</i> , 2019, 52, 7146-7156.	2.2	105
54	Extrapolation formulas for polymer solution properties. <i>Journal of Chemical Physics</i> , 1982, 76, 2720-2730.	1.2	103

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55	Modeling Polymer Crystallization. , 0, , 241-274.		102
56	Pattern recognition by polyelectrolytes. Journal of Chemical Physics, 1995, 103, 4723-4731.	1.2	101
57	Self-entanglement in ring polymers. Journal of Chemical Physics, 1991, 95, 2873-2881.	1.2	100
58	Thermodynamics of isotopic polymer mixtures: Significance of local structural symmetry. Journal of Chemical Physics, 1988, 89, 535-544.	1.2	97
59	Perturbation theory for a polymer chain with excluded volume interaction. Journal of Chemical Physics, 1984, 80, 5839-5850.	1.2	95
60	Density functional theory of lamellar ordering in diblock copolymers. Macromolecules, 1991, 24, 4199-4205.	2.2	95
61	Self-consistent field theory of diblock copolymer melts at patterned surfaces. Journal of Chemical Physics, 1998, 109, 5101-5107.	1.2	95
62	Effects of surface roughness on adsorbed polymers. Journal of Chemical Physics, 1991, 94, 4062-4070.	1.2	92
63	Self-consistent field theory of surfaces with terminally attached chains. Macromolecules, 1989, 22, 965-973.	2.2	91
64	The nematic to isotropic transition of a liquid crystal in porous media. Journal of Chemical Physics, 1993, 98, 4850-4852.	1.2	87
65	Expansion of a polymer chain with excluded volume interaction. Journal of Chemical Physics, 1987, 86, 460-476.	1.2	85
66	Modeling of polynucleotide translocation through protein pores and nanotubes. Electrophoresis, 2002, 23, 2697-2703.	1.3	84
67	Confined thin film diblock copolymer in the presence of an electric field. Journal of Chemical Physics, 2001, 115, 1559-1564.	1.2	80
68	Brownian dynamics simulation of bead-rod chains under shear with hydrodynamic interaction. Journal of Chemical Physics, 1999, 111, 7614-7623.	1.2	79
69	Fluctuation theory of diblock copolymer/homopolymer blends and its effects on the Lifshitz point. Journal of Chemical Physics, 1997, 107, 5588-5608.	1.2	78
70	Langevin dynamics of semiflexible polyelectrolytes: Rod-toroid-globule-coil structures and counterion distribution. Journal of Chemical Physics, 2005, 123, 074905.	1.2	78
71	Langevin dynamics simulations of ds-DNA translocation through synthetic nanopores. Journal of Chemical Physics, 2007, 127, 015102.	1.2	77
72	Translocation frequency of double-stranded DNA through a solid-state nanopore. Physical Review E, 2016, 93, 022401.	0.8	75

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73	Entropy-induced frozen morphology in unstable polymer blends. <i>Macromolecules</i> , 1992, 25, 1716-1724.	2.2	74
74	Polyelectrolyte chain dimensions and concentration fluctuations near phase boundaries. <i>Journal of Chemical Physics</i> , 2003, 119, 4085-4098.	1.2	74
75	Small-angle neutron scattering from poly(vinyl alcohol)-borate gels. <i>Polymer</i> , 1992, 33, 2883-2890.	1.8	73
76	Characterization of silk-hyaluronic acid composite hydrogels towards vitreous humor substitutes. <i>Biomaterials</i> , 2020, 233, 119729.	5.7	73
77	On the Stokes problem for a suspension of spheres at finite concentrations. <i>Journal of Chemical Physics</i> , 1978, 68, 2088-2096.	1.2	72
78	Dynamics of phase separation in a binary polymer blend of critical composition. <i>Journal of Chemical Physics</i> , 1990, 92, 6899-6909.	1.2	71
79	Communication: Theory of melt-memory in polymer crystallization. <i>Journal of Chemical Physics</i> , 2016, 145, 031105.	1.2	71
80	Structure Development during Crystallization of Homogeneous Copolymers of Ethene and 1-Octene:Å Time-Resolved Synchrotron X-ray and SALS Measurements. <i>Macromolecules</i> , 1999, 32, 765-770.	2.2	70
81	Polyelectrolyte complex coacervation by electrostatic dipolar interactions. <i>Journal of Chemical Physics</i> , 2018, 149, 163308.	1.2	69
82	Theory of volume transition in polyelectrolyte gels with charge regularization. <i>Journal of Chemical Physics</i> , 2012, 136, 134901.	1.2	66
83	Theory of Concentration Dependence of Polymer Relaxation Times in Dilute Solutions. <i>Macromolecules</i> , 1978, 11, 843-852.	2.2	64
84	Concentration dependence of diffusion controlled processes among static traps. <i>Journal of Chemical Physics</i> , 1982, 76, 2667-2671.	1.2	64
85	Analysis of the crystalline phase transformation of poly(vinylidene fluoride). <i>Macromolecules</i> , 1985, 18, 2583-2587.	2.2	63
86	Sequence Dependence of Conformations of Polyampholytes. <i>Macromolecules</i> , 1996, 29, 2324-2326.	2.2	63
87	Localization of a polymeric manifold in quenched random media. <i>Journal of Chemical Physics</i> , 1989, 90, 4594-4603.	1.2	62
88	Screening concepts in polymer solution dynamics. <i>Polymer</i> , 1982, 23, 345-348.	1.8	60
89	Shear-induced morphological structures in triblock copolymers. <i>Macromolecules</i> , 1993, 26, 5271-5273.	2.2	60
90	Interactions between Antimicrobial Polynorbornenes and Phospholipid Vesicles Monitored by Light Scattering and Microcalorimetry. <i>Langmuir</i> , 2008, 24, 12489-12495.	1.6	60

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91	Effect of patterned surface on diblock-copolymer melts and polymer blends near the critical point. <i>Journal of Chemical Physics</i> , 1997, 107, 9640-9644.	1.2	59
92	Phase separation of polymer blend films near patterned surfaces. <i>Journal of Chemical Physics</i> , 1999, 111, 2259-2269.	1.2	58
93	Brownian dynamics simulations of bead-rod-chain in simple shear flow and elongational flow. <i>Polymer</i> , 2004, 45, 1383-1389.	1.8	58
94	Polymer translocation through a cylindrical channel. <i>Journal of Chemical Physics</i> , 2008, 128, 154903.	1.2	58
95	Effective Charge and Coil-Globule Transition of a Polyelectrolyte Chain. <i>Macromolecules</i> , 2010, 43, 2574-2581.	2.2	58
96	Polyelectrolyte adsorption on heterogeneously charged surfaces. <i>Journal of Chemical Physics</i> , 2000, 112, 8723-8729.	1.2	57
97	Communication: Charge, diffusion, and mobility of proteins through nanopores. <i>Journal of Chemical Physics</i> , 2014, 141, 081104.	1.2	57
98	Huggins Coefficient for Polymer Solutions with Excluded Volume. <i>Macromolecules</i> , 1977, 10, 899-906.	2.2	56
99	Spinodal decomposition in polymer mixtures. <i>Physical Review Letters</i> , 1989, 63, 2072-2075.	2.9	56
100	Electrostatic Effect on the Solution Structure and Dynamics of PEDOT:PSS. <i>Macromolecules</i> , 2016, 49, 4286-4294.	2.2	56
101	Entropic barrier model for polymer diffusion in concentrated polymer solutions and random media. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 654-666.	1.5	55
102	Evidence for entropic barrier transport of linear, star, and ring macromolecules in electrophoresis gels. <i>Macromolecules</i> , 1992, 25, 6696-6698.	2.2	55
103	Dimensions of polyelectrolyte chains and concentration fluctuations in semidilute solutions of sodium poly(styrene sulfonate) as measured by small-angle neutron scattering. <i>Polymer</i> , 2001, 42, 8935-8946.	1.8	55
104	Threading synthetic polyelectrolytes through protein pores. <i>Journal of Chemical Physics</i> , 2007, 126, 051101.	1.2	53
105	Influence of Dipole Orientation on Solution Properties of Polyzwitterions. <i>ACS Macro Letters</i> , 2016, 5, 118-122.	2.3	53
106	Three-body hydrodynamic effects on viscosity of suspensions of spheres. <i>Journal of Chemical Physics</i> , 1991, 94, 5180-5189.	1.2	52
107	Theory of spinodal decomposition assisted crystallization in binary mixtures. <i>Journal of Chemical Physics</i> , 2010, 132, .	1.2	52
108	Collapse of Linear Polyelectrolyte Chains in a Poor Solvent: When Does a Collapsing Polyelectrolyte Collect its Counterions?. <i>Macromolecules</i> , 2008, 41, 9352-9358.	2.2	51

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109	Electrostatic effects in collagen fibril formation. <i>Journal of Chemical Physics</i> , 2018, 149, 163333.	1.2	50
110	Phase Diagram of Polyelectrolyte Solutions: A Weak Polymer Effect. <i>Macromolecules</i> , 2002, 35, 9142-9145.	2.2	49
111	Nucleation in Polymer Crystallization. <i>Advances in Chemical Physics</i> , 2004, , 1-63.	0.3	49
112	Electroosmotic Flow Reversal Outside Glass Nanopores. <i>Nano Letters</i> , 2015, 15, 695-702.	4.5	49
113	Critical wetting in two-component polymer blends. <i>Journal of Chemical Physics</i> , 1989, 90, 5749-5755.	1.2	48
114	Polyelectrolyte Brush Density Profiles. <i>Macromolecules</i> , 1995, 28, 6608-6617.	2.2	48
115	Ordinary "extraordinary transition in dynamics of solutions of charged macromolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12627-12632.	3.3	48
116	Monte Carlo simulations of single crystals from polymer solutions. <i>Journal of Chemical Physics</i> , 2007, 126, 234904.	1.2	47
117	Synthesis and Characterization of Polyolefin-graft-oligopeptide Polyelectrolytes. <i>Macromolecules</i> , 2007, 40, 7617-7624.	2.2	47
118	Concentration dependence of diffusion-controlled processes among stationary reactive sinks. <i>Journal of Statistical Physics</i> , 1981, 26, 453-469.	0.5	46
119	Langevin dynamics simulation of polymer-assisted virus-like assembly. <i>Journal of Chemical Physics</i> , 2012, 136, 135101.	1.2	46
120	Temperature Effect on Ionic Current and ssDNA Transport through Nanopores. <i>Biophysical Journal</i> , 2015, 109, 1600-1607.	0.2	45
121	Artificial Protein Block Copolymers Blocks Comprising Two Distinct Self-Assembling Domains. <i>ChemBioChem</i> , 2009, 10, 2733-2735.	1.3	44
122	Brownian dynamics of polymer solutions. <i>Macromolecules</i> , 1984, 17, 586-596.	2.2	43
123	Configurational properties of a single semiflexible polyelectrolyte. <i>Journal of Chemical Physics</i> , 2001, 115, 4367-4375.	1.2	43
124	Microphase separation in polyelectrolytic diblock copolymer melt: Weak segregation limit. <i>Journal of Chemical Physics</i> , 2007, 126, 214902.	1.2	43
125	Electrostatics of capsid-induced viral RNA organization. <i>Journal of Chemical Physics</i> , 2009, 131, .	1.2	43
126	Collapse transition of a stiff chain. <i>Journal of Chemical Physics</i> , 1984, 81, 6272-6276.	1.2	42



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127	Statistical mechanics of solutions of semiflexible chains: A path integral formulation. <i>Journal of Chemical Physics</i> , 1987, 86, 411-418.	1.2	42
128	Enhanced Phase Segregation Induced by Dipolar Interactions in Polymer Blends. <i>Macromolecules</i> , 2014, 47, 6491-6502.	2.2	42
129	Fluctuation effects in the density functional theory of order-disorder transitions in block copolymers. <i>Macromolecules</i> , 1993, 26, 5259-5261.	2.2	41
130	Theory of electrophoretic mobility of a polyelectrolyte in semidilute solutions of neutral polymers. <i>Electrophoresis</i> , 1996, 17, 1167-1172.	1.3	41
131	Theory of sequence effects on DNA translocation through proteins and nanopores. <i>Electrophoresis</i> , 2002, 23, 1417.	1.3	41
132	Phase behavior of polyelectrolyte solutions with salt. <i>Journal of Chemical Physics</i> , 2009, 130, 024904.	1.2	40
133	Origin of translocation barriers for polyelectrolyte chains. <i>Journal of Chemical Physics</i> , 2009, 131, 194903.	1.2	40
134	Charge regularization in phase separating polyelectrolyte solutions. <i>Journal of Chemical Physics</i> , 2010, 132, 084901.	1.2	40
135	Dynamics of driven polymer transport through a nanopore. <i>Nature Physics</i> , 2021, 17, 1043-1049.	6.5	40
136	Screening of hydrodynamic interaction in a solution of rodlike macromolecules. <i>Macromolecules</i> , 1983, 16, 1475-1478.	2.2	39
137	Effect of charge patterns along a solid-state nanopore on polyelectrolyte translocation. <i>Journal of Chemical Physics</i> , 2014, 140, 135102.	1.2	39
138	Modeling competitive substitution in a polyelectrolyte complex. <i>Journal of Chemical Physics</i> , 2015, 143, 243133.	1.2	39
139	Annihilation kinetics of liquid crystal defects. <i>Journal of Chemical Physics</i> , 1997, 106, 7822-7828.	1.2	38
140	Simulations of Stochastic Sensing of Proteins. <i>Journal of the American Chemical Society</i> , 2005, 127, 18252-18261.	6.6	37
141	Interpenetration of Interacting Polyelectrolytes. <i>Macromolecules</i> , 1994, 27, 1461-1465.	2.2	36
142	Localized structures of polymers with long-range interactions. <i>Journal of Chemical Physics</i> , 1996, 104, 691-700.	1.2	36
143	Monte Carlo studies of adsorption of a sequenced polyelectrolyte to patterned surfaces. <i>Journal of Chemical Physics</i> , 2002, 117, 5354-5360.	1.2	36
144	The influence of shear on the ordering temperature of a triblock copolymer melt. <i>Journal of Chemical Physics</i> , 1996, 104, 1589-1599.	1.2	35

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145	Scattering Studies on Poly(3,4-ethylenedioxythiophene)â€“Polystyrenesulfonate in the Presence of Ionic Liquids. <i>Macromolecules</i> , 2015, 48, 8989-8997.	2.2	35
146	On the Stokes problem for a suspension of spheres at nonzero concentrations. II. Calculations for effective medium theory. <i>Journal of Chemical Physics</i> , 1979, 70, 5875-5887.	1.2	34
147	The effects of attractive and repulsive interaction on twoâ€“dimensional reactionâ€“limited aggregation. <i>Journal of Chemical Physics</i> , 1989, 91, 3212-3221.	1.2	34
148	Density functional theory of phase transitions in diblock copolymer systems. <i>Macromolecules</i> , 1993, 26, 3908-3916.	2.2	34
149	Lower Critical Solution Temperature Behavior in Polyelectrolyte Complex Coacervates. <i>Macromolecules</i> , 2019, 52, 6998-7004.	2.2	34
150	Dynamics and hydrodynamics of suspensions of translationalâ€“rotational Brownian particles at finite concentrations. <i>Journal of Chemical Physics</i> , 1978, 69, 2657.	1.2	33
151	Pattern recognition in self-assembly. <i>Current Opinion in Colloid and Interface Science</i> , 1998, 3, 48-54.	3.4	33
152	Chain entropy: Spoiler or benefactor in pattern recognition?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 11690-11692.	3.3	33
153	A computer simulation for the aggregation of associating polymers. <i>Macromolecules</i> , 1987, 20, 1999-2003.	2.2	31
154	Phase separation kinetics of polyelectrolyte solutions. <i>Journal of Chemical Physics</i> , 2007, 127, 244908.	1.2	31
155	Counterion Adsorption on Flexible Polyelectrolytes: Comparison of Theories. <i>Macromolecules</i> , 2009, 42, 1370-1379.	2.2	31
156	Scaling Theory of Polymer Translocation into Confined Regions. <i>Biophysical Journal</i> , 2008, 95, 3619-3627.	0.2	30
157	Cluster theory for concentration dependence of shear viscosity for suspensions of interacting spheres. I. <i>Journal of Chemical Physics</i> , 1982, 76, 6186-6194.	1.2	29
158	Single Chain Entanglement: A Monte Carlo Simulation of Dilute Solution Capillary Electrophoresis. <i>Macromolecules</i> , 1998, 31, 5495-5501.	2.2	29
159	Polyelectrolyte Electrophoresis in a Dilute Solution of Neutral Polymers: A Model Studies. <i>Macromolecules</i> , 2000, 33, 1245-1253.	2.2	29
160	Continuum theory of polymer crystallization. <i>Journal of Chemical Physics</i> , 2007, 126, 144901.	1.2	29
161	Electrostatic correlations in polyelectrolyte solutions. <i>Polymer Science - Series A</i> , 2016, 58, 852-863.	0.4	29
162	Role of non-equilibrium conformations on driven polymer translocation. <i>Journal of Chemical Physics</i> , 2018, 148, 024903.	1.2	29

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163	Brownian motion and polymer statistics on certain curved manifolds. <i>Physical Review E</i> , 1998, 57, 4411-4419.	0.8	28
164	Dynamic mechanical properties of poly( $\gamma$ -benzyl L-alanine) gels in benzyl alcohol. <i>Macromolecules</i> , 1987, 20, 564-569.	2.2	27
165	Effect of shear on order-disorder and order-order transitions in block copolymers. <i>Journal of Chemical Physics</i> , 1997, 107, 5561-5568.	1.2	27
166	Attractive interactions and phase transitions in solutions of similarly charged rod-like polyelectrolytes. <i>Journal of Chemical Physics</i> , 1999, 111, 1765-1777.	1.2	27
167	Translocation of a heterogeneous polymer. <i>Journal of Chemical Physics</i> , 2012, 137, 064904.	1.2	27
168	Polymer capture by $\alpha$ -hemolysin pore upon salt concentration gradient. <i>Journal of Chemical Physics</i> , 2014, 140, 015101.	1.2	27
169	Elasticity at Swelling Equilibrium of Ultrasoft Polyelectrolyte Gels: Comparisons of Theory and Experiments. <i>Macromolecules</i> , 2017, 50, 2456-2466.	2.2	27
170	Langevin dynamics simulation of crystallization of ring polymers. <i>Journal of Chemical Physics</i> , 2018, 148, 244904.	1.2	27
171	Dynamic light scattering studies of ionic and nonionic polymer gels with continuous and discontinuous volume transitions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2193-2206.	2.4	26
172	Spinodal decomposition of symmetric diblock copolymer/homopolymer blends at the Lifshitz point. <i>Journal of Chemical Physics</i> , 1999, 110, 4079-4089.	1.2	24
173	Topologically frustrated dynamics of crowded charged macromolecules in charged hydrogels. <i>Nature Communications</i> , 2018, 9, 2248.	5.8	24
174	Effect of Deprotection Extent on Swelling and Dissolution Regimes of Thin Polymer Films. <i>Langmuir</i> , 2006, 22, 10009-10015.	1.6	23
175	Stochastic resonance during a polymer translocation process. <i>Journal of Chemical Physics</i> , 2016, 144, 144901.	1.2	23
176	Size-dependent forced PEG partitioning into channels: VDAC, OmpC, and $\alpha$ -hemolysin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9003-9008.	3.3	23
177	Effect of Salt on the Ordinary-Extraordinary Transition in Solutions of Charged Macromolecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 5886-5896.	6.6	23
178	Cluster expansion for concentration dependence of self-friction coefficients for suspensions of interacting spheres. <i>Journal of Chemical Physics</i> , 1983, 78, 497-510.	1.2	22
179	Concentration dependent relaxation times of linear polymers in dilute solutions. <i>Macromolecules</i> , 1984, 17, 971-973.	2.2	22
180	Density profiles of simulated comburst molecules. <i>Macromolecules</i> , 1991, 24, 4892-4897.	2.2	22

#	ARTICLE	IF	CITATIONS
181	Electrostatic Control of Polymer Translocation Speed through $\hat{\pm}$ -Hemolysin Protein Pore. <i>Macromolecules</i> , 2016, 49, 9132-9138.	2.2	22
182	Coupling Between Adsorption and the Helix-Coil Transition. <i>Physical Review Letters</i> , 1999, 82, 5405-5408.	2.9	21
183	Phase transitions in solutions of semiflexible polyelectrolytes. <i>Journal of Chemical Physics</i> , 2002, 116, 5299.	1.2	21
184	Confinement free energy of flexible polyelectrolytes in spherical cavities. <i>Journal of Chemical Physics</i> , 2008, 128, 184902.	1.2	21
185	Determination of Molecular Weights in Polyelectrolyte Mixtures Using Polymer Translocation through a Protein Nanopore. <i>ACS Macro Letters</i> , 2014, 3, 911-915.	2.3	20
186	Development of a Vitreous Substitute: Incorporating Charges and Fibrous Structures in Synthetic Hydrogel Materials. <i>Macromolecules</i> , 2016, 49, 4619-4626.	2.2	20
187	Theory of electrophoretic mobility of polyelectrolyte chains. <i>Macromolecular Theory and Simulations</i> , 1994, 3, 61-71.	0.6	19
188	Enzyme-Modulated DNA Translocation through a Nanopore. <i>Journal of the American Chemical Society</i> , 2009, 131, 18563-18570.	6.6	19
189	Microstructural Organization in $\hat{\pm}$ -Synuclein Solutions. <i>Macromolecules</i> , 2022, 55, 4228-4236.	2.2	19
190	Configurations of liquid crystalline polymers in nematic solvents. <i>Journal of Chemical Physics</i> , 1998, 109, 11117-11128.	1.2	18
191	Chiral Symmetry Breaking in Crystals of Achiral Polymers. <i>Physical Review Letters</i> , 2010, 105, 107801.	2.9	18
192	Encapsulation of a polyelectrolyte chain by an oppositely charged spherical surface. <i>Journal of Chemical Physics</i> , 2011, 135, 194901.	1.2	18
193	Ratchet rectification effect on the translocation of a flexible polyelectrolyte chain. <i>Journal of Chemical Physics</i> , 2016, 145, 084906.	1.2	18
194	Diffusion of Polyelectrolytes in Polyelectrolyte Gels. <i>Macromolecules</i> , 2017, 50, 8158-8168.	2.2	18
195	Theory of Charged Gels: Swelling, Elasticity, and Dynamics. <i>Gels</i> , 2021, 7, 49.	2.1	18
196	On the influence of nonrandom sequential coupling on radiationless relaxation processes. <i>Journal of Chemical Physics</i> , 1978, 69, 1619-1625.	1.2	17
197	The response of semiflexible liquid crystals to quenched random disorder. <i>Journal of Chemical Physics</i> , 1992, 97, 578-585.	1.2	17
198	Stretch-collapse transition of polyelectrolyte brushes in a poor solvent. <i>Journal of Chemical Physics</i> , 1996, 105, 11335-11346.	1.2	17

#	ARTICLE	IF	CITATIONS
199	Theory of viscoelastic properties of polyelectrolyte solutions. <i>Polymer</i> , 2001, 42, 5921-5923.	1.8	17
200	Counterion adsorption theory of dilute polyelectrolyte solutions: Apparent molecular weight, second virial coefficient, and intermolecular structure factor. <i>Journal of Chemical Physics</i> , 2012, 137, 034902.	1.2	17
201	Concentration Fluctuations near Lower Critical Solution Temperature in Ternary Aqueous Solutions. <i>Macromolecules</i> , 2017, 50, 7291-7298.	2.2	17
202	Coacervation in polyzwitterion-polyelectrolyte systems and their potential applications for gastrointestinal drug delivery platforms. <i>Nature Communications</i> , 2022, 13, 2250.	5.8	17
203	Dynamics of a suspension of a random array of spheres in a Navier-Stokes fluid. <i>Journal of Chemical Physics</i> , 1982, 77, 959-969.	1.2	16
204	Cluster expansion for concentration dependence of cooperative friction coefficients for suspensions of interacting spheres. <i>Journal of Chemical Physics</i> , 1983, 78, 511-519.	1.2	16
205	Dynamics of frustrated spin clusters. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, L157-L162.	1.5	16
206	Kinetics pathway in the phase separation and crystallization of iPP/OBC blends. <i>Polymer</i> , 2013, 54, 4010-4016.	1.8	16
207	Electrostatic origin of <i>in vitro</i> aggregation of human $\beta$ -crystallin. <i>Journal of Chemical Physics</i> , 2013, 139, 121914.	1.2	16
208	Semibranched polyglycidols as fillers in polycarbonate hydrogels to tune hydrophobic drug release. <i>Polymer Chemistry</i> , 2015, 6, 1096-1102.	1.9	16
209	Cluster theory for concentration dependence of shear viscosity for suspensions of interacting spheres. II. Calculation of Huggins coefficient. <i>Journal of Chemical Physics</i> , 1982, 76, 6195-6201.	1.2	15
210	Conformation and dynamics of model polymer in connected chamber-pore system. <i>Journal of Chemical Physics</i> , 2009, 131, 214903.	1.2	15
211	Crossover Behavior of the Viscosity of Dilute and Semidilute Polyelectrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5736-5745.	1.2	15
212	Theory of competitive adsorption-nucleation in polypeptide-mediated biomineralization. <i>Journal of Chemical Physics</i> , 2009, 130, 161101.	1.2	15
213	Effects of Nanopore Charge Decorations on the Translocation Dynamics of DNA. <i>Biophysical Journal</i> , 2017, 113, 1664-1672.	0.2	15
214	Interplay between Microscopic and Macroscopic Properties of Charged Hydrogels. <i>Macromolecules</i> , 2020, 53, 90-101.	2.2	15
215	Electrostatically Driven Topological Freezing of Polymer Diffusion at Intermediate Confinements. <i>Physical Review Letters</i> , 2021, 126, 057802.	2.9	15
216	Single molecule electrophoresis of star polymers through nanopores: Simulations. <i>Journal of Chemical Physics</i> , 2018, 149, 163306.	1.2	14

#	ARTICLE	IF	CITATIONS
217	Brownian dynamics of polymer chains in membranes. <i>Journal of Chemical Physics</i> , 1985, 82, 5696-5706.	1.2	13
218	Convergence of multiple scattering series for two-body hydrodynamic effects on shear viscosity of suspensions of spheres. <i>Journal of Chemical Physics</i> , 1991, 94, 4557-4567.	1.2	13
219	Scattering properties of a single semiflexible polyelectrolyte. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2644-2652.	2.4	13
220	Langevin dynamics simulation of DNA ejection from a phage. <i>Journal of Biological Physics</i> , 2013, 39, 229-245.	0.7	13
221	Electrophoretic mobilities of counterions and a polymer in cylindrical pores. <i>Journal of Chemical Physics</i> , 2014, 141, 114901.	1.2	13
222	Translocation of an Incompressible Vesicle through a Pore. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6102-6109.	1.2	13
223	Adsorption and encapsulation of flexible polyelectrolytes in charged spherical vesicles. <i>Journal of Chemical Physics</i> , 2017, 146, 244901.	1.2	13
224	Small-Angle Neutron Scattering of Poly( $\hat{I}^3$ -benzyl-glutamate) in Deuterated Benzyl Alcohol. <i>Macromolecules</i> , 1996, 29, 207-211.	2.2	12
225	Monte Carlo Simulations of Probe-Host Chain Entanglement: Influence of Host Mobility and Size on Probe Electrophoretic Motion. <i>Macromolecules</i> , 1999, 32, 6837-6840.	2.2	12
226	Supramolecular structure investigation of poly( $\hat{I}^3$ -benzyl, $\hat{I}^{\pm}$ -l-glutamate)-benzyl alcohol system by static light scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991, 29, 1373-1387.	2.4	11
227	Statistics of an ideal polymer in a multistable potential: Exact solutions and instanton approximation. <i>Journal of Chemical Physics</i> , 1999, 110, 12240-12249.	1.2	11
228	Theory of statistics of ties, loops, and tails in semicrystalline polymers. <i>Journal of Chemical Physics</i> , 2019, 151, 114905.	1.2	11
229	Trends in polymer physics and theory. <i>Progress in Polymer Science</i> , 2020, 100, 101184.	11.8	11
230	Concentration dependent friction coefficients of polymer molecules in dilute solutions. I. <i>Journal of Chemical Physics</i> , 1983, 78, 2764-2772.	1.2	10
231	Polymers Pushing Polymers: Polymer Mixtures in Thermodynamic Equilibrium with a Pore. <i>Macromolecules</i> , 2012, 45, 8921-8928.	2.2	10
232	Effects of long-range interactions on curvature energies of viral shells. <i>Physical Review E</i> , 2016, 93, 052415.	0.8	10
233	Understanding the effects of dipolar interactions on the thermodynamics of diblock copolymer melts. <i>Journal of Chemical Physics</i> , 2019, 151, 054902.	1.2	10
234	Collective dynamics of semidilute polyelectrolyte solutions with salt. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1263-1269.	2.4	10

#	ARTICLE	IF	CITATIONS
235	Macromolecular Mechanisms of Protein Translocation. Protein and Peptide Letters, 2014, 21, 209-216.	0.4	10
236	Concentration dependent friction coefficients of polymer molecules in dilute solutions. II. Journal of Chemical Physics, 1983, 78, 2773-2777.	1.2	9
237	The series expansion for the concentration dependence of relaxation times for dilute polymer solutions. Journal of Chemical Physics, 1983, 79, 4048-4055.	1.2	9
238	Dynamic light-scattering studies of poly( $\beta$ -benzyl L-glutamate) benzyl alcohol system. Journal of Applied Polymer Science, 1992, 44, 2115-2125.	1.3	9
239	Shear-induced changes in the order-disorder transition temperature and the morphology of a triblock copolymer. Journal of Macromolecular Science - Physics, 1996, 35, 489-503.	0.4	9
240	Polyelectrolyte Dynamics. Advances in Chemical Physics, 2005, , 1-60.	0.3	9
241	Micellization model for the polymerization of clathrin baskets. Journal of Chemical Physics, 2013, 139, 121928.	1.2	9
242	Interlude of metastability in the melting of polymer crystals. Journal of Chemical Physics, 2019, 151, 124903.	1.2	9
243	Calculation of the cooperative and self-friction coefficients in a dilute suspension of spheres. II. Three-body effects. Journal of Chemical Physics, 1989, 90, 7542-7549.	1.2	8
244	Effect of an adsorbing surface on the phase behavior of a confined semiflexible liquid crystal. Journal of Chemical Physics, 1994, 101, 10038-10044.	1.2	8
245	On the origin of the bathochromic shift in rhodopsin. Chemical Physics Letters, 1978, 53, 436-438.	1.2	7
246	Rheological properties of the liquid crystalline poly( $\beta$ -benzyl L-glutamate) gels in benzyl alcohol. Polymer Engineering and Science, 1988, 28, 1304-1312.	1.5	7
247	Screening in a collection of crumpled manifolds. Physical Review A, 1988, 37, 1032-1035.	1.0	7
248	Screening of hydrodynamics in a solution of crumpled manifolds. Journal of Chemical Physics, 1988, 88, 2854-2855.	1.2	7
249	Simulation of self-assembly of polyzwitterions into vesicles. Journal of Chemical Physics, 2016, 145, 074907.	1.2	7
250	Theory of Ionic Conductivity with Morphological Control in Polymers. ACS Macro Letters, 2021, 10, 958-964.	2.3	7
251	Monte Carlo renormalization group Calculations for polymers. Journal of Statistical Physics, 1983, 30, 457-465.	0.5	6
252	Free energy of a macromolecule in a confined domain. Physical Review B, 1986, 33, 6187-6190.	1.1	6

#	ARTICLE	IF	CITATIONS
253	Disentangling of two intertwined chains. <i>Journal of Chemical Physics</i> , 1986, 84, 440-443.	1.2	6
254	Topological dereliction in polymers. <i>Computational Materials Science</i> , 1995, 4, 370-372.	1.4	6
255	Triple Points in Solutions of Polydisperse Semiflexible Polymers. <i>Physical Review Letters</i> , 2003, 91, 158303.	2.9	6
256	Apparent Molar Mass of a Polyelectrolyte in an Organic Solvent in the Low Ionic Strength Limit As Revealed by Light Scattering. <i>Macromolecules</i> , 2013, 46, 8296-8303.	2.2	6
257	Investigating the Atomic and Mesoscale Interactions that Facilitate Spider Silk Protein Pre-Assembly. <i>Biomacromolecules</i> , 2021, 22, 3377-3385.	2.6	6
258	Entropic barrier of topologically immobilized DNA in hydrogels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	6
259	Dynamic Monte Carlo scaling method for polymers. <i>Chemical Physics Letters</i> , 1982, 93, 35-37.	1.2	5
260	Concentration-dependent translational friction coefficients of polymers with excluded volume effect in dilute solutions. <i>Macromolecules</i> , 1985, 18, 1173-1182.	2.2	5
261	On the screening of hydrodynamic interactions in dilute polymer solutions. <i>Macromolecules</i> , 1988, 21, 2891-2892.	2.2	5
262	Extrapolation formulas for dimensions of branched polyelectrolytes. <i>Macromolecules</i> , 1993, 26, 3904-3907.	2.2	5
263	Entanglement between a polymeric ring and a rod. <i>Journal of Chemical Physics</i> , 1995, 103, 7136-7143.	1.2	5
264	Effective elastic moduli of a composite containing rigid spheres at nondilute concentrations: A multiple scattering approach. <i>Journal of Chemical Physics</i> , 1999, 110, 1123-1137.	1.2	5
265	Reading Nanopore Clocks in Single-Molecule Electrophoresis Experiments. <i>Biophysical Journal</i> , 2015, 108, 17-19.	0.2	5
266	Polyelectrolyte Gels: Replica Theory. <i>Springer Proceedings in Physics</i> , 1989, , 28-34.	0.1	5
267	Calculation of the cooperative friction coefficient in a dilute suspension of spheres. I. Two-body effects. <i>Journal of Chemical Physics</i> , 1988, 89, 6406-6419.	1.2	4
268	Structure and dynamics of charged macromolecules: Minimal representation of biological systems. <i>Pramana - Journal of Physics</i> , 1999, 53, 171-197.	0.9	4
269	Rotational relaxation time as unifying time scale for polymer and fiber drag reduction. <i>Physical Review E</i> , 2016, 93, 052503.	0.8	4
270	Anomalous packing and dynamics of a polymer chain confined in a static porous environment. <i>Journal of Chemical Physics</i> , 2018, 149, 174902.	1.2	4



#	ARTICLE	IF	CITATIONS
271	Zwitterionic Ammonium Sulfonate Polymers: Synthesis and Properties in Fluids. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100678.	2.0	4
272	Calculation of the rotational cooperative and self-friction coefficients in a dilute suspension of spheres: Two-body effects. <i>Journal of Chemical Physics</i> , 1989, 91, 5127-5129.	1.2	3
273	Chemically controlled pattern formation in phase-separating materials. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1171-1176.	0.4	3
274	Shear-Induced Changes in the Order-Disorder Transition Temperature and the Morphology of a Triblock Copolymer. <i>ACS Symposium Series</i> , 1995, , 233-245.	0.5	3
275	Proton motion of poly( <sup>13</sup> -benzyl-L-glutamate) in benzyl alcohol during gelation as measured by quasielastic neutron scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 649-656.	2.4	3
276	Dynamics of a suspension of spheres and rigid polymers: Effect of geometrical mismatch. <i>Journal of Chemical Physics</i> , 1996, 105, 4846-4870.	1.2	3
277	Boundaries of the Topologically Frustrated Dynamical State in Polymer Dynamics. <i>ACS Macro Letters</i> , 2022, 11, 699-705.	2.3	3
278	Theory of Microphase Separation in Concentrated Solutions of Sequence-Specific Charged Heteropolymers. <i>Macromolecules</i> , 2022, 55, 5535-5549.	2.2	3
279	Concentration dependent translational self-friction coefficient of rod-like macromolecules in dilute suspensions. <i>Journal of Chemical Physics</i> , 1985, 83, 2522-2531.	1.2	2
280	Tricritical theory of dilute polymer solutions with quenched disorder. <i>Journal of Chemical Physics</i> , 1993, 99, 6172-6179.	1.2	2
281	Stability of the sectored morphology of polymer crystallites. <i>Physical Review E</i> , 2016, 94, 032506.	0.8	2
282	Surface Tension of Dielectric-Air Interfaces. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5265-5270.	1.2	2
283	Lower Critical Solution Temperature Behavior in Polyelectrolyte Complex Coacervates. <i>Macromolecules</i> , 2019, 52, .	2.2	2
284	Molecular force and compliance constants for some metal-halogen bonds in complexes. <i>Journal of Molecular Structure</i> , 1975, 27, 117-122.	1.8	1
285	CLUSTER THEORY FOR THE CONCENTRATION DEPENDENT TRANSLATIONAL SELF-FRICTION COEFFICIENT OF ROD-LIKE MACROMOLECULES IN SUSPENSIONS. <i>Particulate Science and Technology</i> , 1983, 1, 317-323.	1.1	1
286	Importance of Chemical Mismatch in Tricritical Polymer Solutions. <i>Macromolecules</i> , 1994, 27, 6418-6427.	2.2	1
287	Dynamics of Diblock Copolymers in Dilute Solutions. <i>Macromolecules</i> , 1997, 30, 6358-6368.	2.2	1
288	Preface: Special Topic on Chemical Physics of Charged Macromolecules. <i>Journal of Chemical Physics</i> , 2018, 149, 163001.	1.2	1

#	ARTICLE	IF	CITATIONS
289	Conformational fluctuations of a DNA electrophoretically translocating through a nanopore under the action of a motor protein. <i>European Physical Journal E</i> , 2019, 42, 67.	0.7	1
290	Viscosity of random coil polymers with nonzero thickness. <i>Chemical Physics Letters</i> , 1978, 58, 628-632.	1.2	0
291	An explanation for the 3.5 power law of viscosity of concentrated polymer solutions. <i>Chemical Physics Letters</i> , 1982, 91, 40-42.	1.2	0
292	DYNAMICS AND HYDRODYNAMICS OF SOLUTIONS OF POLYMERS AND SUSPENDED SPHERES. <i>Annals of the New York Academy of Sciences</i> , 1983, 404, 182-183.	1.8	0
293	Relaxation times of a random copolymer. <i>Macromolecules</i> , 1985, 18, 1350-1351.	2.2	0
294	Self-focusing in polymers. <i>Journal of Polymer Science, Part C: Polymer Letters</i> , 1990, 28, 247-252.	0.7	0
295	Effect of Shear on Self-Assembling Block Copolymers and Phase-Separating Polymer Blends. <i>ACS Symposium Series</i> , 1995, , 220-232.	0.5	0
296	What a wonderful crossroad!. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3375-3376.	2.4	0
297	Theory of volume transitions in polyelectrolyte gels. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1418, 75.	0.1	0
298	Pierre-Gilles de Gennes: A Life in Science Pierre-Gilles de Gennes: A Life in Science, Laurence PIA©vert, World Scientific, Hackensack, NJ, 2011. \$48.00 (372 pp.). ISBN 978-981-4355-25-4 (paper). <i>Physics Today</i> , 2013, 66, 43-45.	0.3	0
299	Kinetic Analysis of Single Molecule Electrodiffusion in a Biological Nanopore with Two Binding Sites. <i>Biophysical Journal</i> , 2019, 116, 148a.	0.2	0