Kevin D Dorfman

List of Publications by Year
in descending order

176 papers	5,212 citations	81900 39 h-index	114465 63 g-index
183 all docs	183 docs citations	183 times ranked	4044 citing authors

#	Article	IF	Citations
1	Thermal processing of diblock copolymer melts mimics metallurgy. Science, 2017, 356, 520-523.	12.6	227
2	Droplet fusion by alternating current (AC) field electrocoalescence in microchannels. Electrophoresis, 2005, 26, 3706-3715.	2.4	177
3	Simulation of DNA Extension in Nanochannels. Macromolecules, 2011, 44, 6594-6604.	4.8	175
4	Beyond Gel Electrophoresis: Microfluidic Separations, Fluorescence Burst Analysis, and DNA Stretching. Chemical Reviews, 2013, 113, 2584-2667.	47.7	162
5	DNA electrophoresis in microfabricated devices. Reviews of Modern Physics, 2010, 82, 2903-2947.	45.6	155
6	Broadly Accessible Self-Consistent Field Theory for Block Polymer Materials Discovery. Macromolecules, 2016, 49, 4675-4690.	4.8	150
7	Microfluidic chemostat for measuring single cell dynamics in bacteria. Lab on A Chip, 2013, 13, 947.	6.0	134
8	Short-time movement of E. coli chromosomal loci depends on coordinate and subcellular localization. Nature Communications, 2013, 4, 3003.	12.8	113
9	Stable Frankâ€"Kasper phases of self-assembled, soft matter spheres. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10233-10238.	7.1	111
10	Is DNA a Good Model Polymer?. Macromolecules, 2013, 46, 8369-8382.	4.8	105
11	Automated Microdroplet Platform for Sample Manipulation and Polymerase Chain Reaction. Analytical Chemistry, 2006, 78, 7722-7728.	6.5	104
12	Quantitative Microfluidic Separation of DNA in Self-Assembled Magnetic Matrixes. Analytical Chemistry, 2004, 76, 3770-3776.	6.5	103
13	Origins of low-symmetry phases in asymmetric diblock copolymer melts. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 847-854.	7.1	101
14	Contamination-Free Continuous Flow Microfluidic Polymerase Chain Reaction for Quantitative and Clinical Applications. Analytical Chemistry, 2005, 77, 3700-3704.	6.5	100
15	Cornucopia of Nanoscale Ordered Phases in Sphere-Forming Tetrablock Terpolymers. ACS Nano, 2016, 10, 4961-4972.	14.6	93
16	Hydrophobic catalysis and a potential biological role of DNA unstacking induced by environment effects. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17169-17174.	7.1	92
17	Extension of DNA in a Nanochannel as a Rod-to-Coil Transition. Physical Review Letters, 2013, 110, 208103.	7.8	87
18	Force-driven transport through periodic entropy barriers. Europhysics Letters, 2007, 80, 50009.	2.0	81

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19	Persistent super-diffusive motion of Escherichia coli chromosomal loci. Nature Communications, 2014, 5, 3854.	12.8	74
20	Backfolding of Wormlike Chains Confined in Nanochannels. Macromolecules, 2014, 47, 8446-8458.	4.8	72
21	Electrophoretic separation of DNA in gels and nanostructures. Lab on A Chip, 2009, 9, 2508.	6.0	66
22	Label-Free DNA Sensing Platform with Low-Voltage Electrolyte-Gated Transistors. Analytical Chemistry, 2015, 87, 1861-1866.	6.5	63
23	Thermodynamics of Aqueous Methylcellulose Solutions. Macromolecules, 2015, 48, 7205-7215.	4.8	60
24	Physical descriptions of the bacterial nucleoid at large scales, and their biological implications. Reports on Progress in Physics, 2012, 75, 076602.	20.1	58
25	Frankâ€"Kasper Phases in Block Polymers. Macromolecules, 2021, 54, 10251-10270.	4.8	56
26	Moving beyond Watsonâ€"Crick models of coarse grained DNA dynamics. Journal of Chemical Physics, 2011, 135, 205102.	3.0	54
27	Interplay between chain stiffness and excluded volume of semiflexible polymers confined in nanochannels. Journal of Chemical Physics, 2014, 140, 084905.	3.0	50
28	Rapid, Selective, Label-Free Aptameric Capture and Detection of Ricin in Potable Liquids Using a Printed Floating Gate Transistor. ACS Sensors, 2016, 1, 1213-1216.	7.8	50
29	Electrophoretic transport through channels of periodically varying cross section. Physics of Fluids, 2007, 19, 037101.	4.0	46
30	Mobility of a Semiflexible Chain Confined in a Nanochannel. Physical Review Letters, 2012, 108, 228105.	7.8	46
31	Operating and Sensing Mechanism of Electrolyte-Gated Transistors with Floating Gates: Building a Platform for Amplified Biodetection. Journal of Physical Chemistry C, 2016, 120, 108-117.	3.1	46
32	Revisiting Blob Theory for DNA Diffusivity in Slitlike Confinement. Physical Review Letters, 2013, 110, 168105.	7.8	44
33	Symmetry breaking in particle-forming diblock polymer/homopolymer blends. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16764-16769.	7.1	44
34	Mixed confinement regimes during equilibrium confinement spectroscopy of DNA. Journal of Chemical Physics, 2014, 140, 214901.	3.0	43
35	Distribution of distances between DNA barcode labels in nanochannels close to the persistence length. Journal of Chemical Physics, 2015, 142, 064902.	3.0	43
36	Experimental Evidence of Weak Excluded Volume Effects for Nanochannel Confined DNA. ACS Macro Letters, 2015, 4, 759-763.	4.8	43

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37	Role of Chain Length in the Formation of Frank-Kasper Phases in Diblock Copolymers. Physical Review Letters, 2018, 121, 208002.	7.8	42
38	Motion of single long DNA molecules through arrays of magnetic columns. Electrophoresis, 2005, 26, 362-375.	2.4	39
39	Brownian dynamics simulations of single-stranded DNA hairpins. Journal of Chemical Physics, 2009, 130, 095101.	3.0	39
40	The Odijk Regime in Slits. Macromolecules, 2014, 47, 3672-3684.	4.8	39
41	Topological events in single molecules of E. coli DNA confined in nanochannels. Analyst, The, 2015, 140, 4887-4894.	3.5	38
42	Nonequilibrium Transport of Rigid Macromolecules in Periodically Constricted Geometries. Physical Review Letters, 2007, 98, 098106.	7.8	36
43	DNA electrophoresis in a sparse ordered post array. Physical Review E, 2009, 79, 061904.	2.1	34
44	Giant biocompatible and biodegradable PEGâ€"PMCL vesicles and microcapsules by solvent evaporation from double emulsion droplets. Journal of Colloid and Interface Science, 2010, 351, 140-150.	9.4	34
45	Modeling the relaxation time of DNA confined in a nanochannel. Biomicrofluidics, 2013, 7, 054118.	2.4	33
46	Kirkwood Diffusivity of Long Semiflexible Chains in Nanochannel Confinement. Macromolecules, 2015, 48, 2829-2839.	4.8	31
47	Accelerating self-consistent field theory of block polymers in a variable unit cell. Journal of Chemical Physics, 2017, 146, 244902.	3.0	31
48	Generalized Taylor-Aris dispersion in discrete spatially periodic networks: Microfluidic applications. Physical Review E, 2002, 65, 021103.	2.1	30
49	Non-Markovian Transport of DNA in Microfluidic Post Arrays. Physical Review Letters, 2005, 94, 198105.	7.8	30
50	Detection and Sourcing of Gluten in Grain with Multiple Floating-Gate Transistor Biosensors. ACS Sensors, 2018, 3, 395-402.	7.8	30
51	Sequence-Dependent Persistence Length of Long DNA. Physical Review Letters, 2017, 119, 227802.	7.8	29
52	Alphaâ€Synuclein Modulates the Physical Properties of DNA. Chemistry - A European Journal, 2018, 24, 15685-15690.	3.3	29
53	Coupled flow and reaction during natural convection PCR. Microfluidics and Nanofluidics, 2009, 6, 121-130.	2.2	28
54	One-Parameter Scaling Theory for DNA Extension in a Nanochannel. Physical Review Letters, 2017, 119, 268102.	7.8	28

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55	Semiphenomenological model for the dispersion of DNA during electrophoresis in a microfluidic array of posts. Physical Review E, 2004, 69, 011901.	2.1	27
56	Complex Phase Behavior in Particle-Forming AB/ABâ€² Diblock Copolymer Blends with Variable Core Block Lengths. Macromolecules, 2021, 54, 7088-7101.	4.8	27
57	DNA electrophoresis in a nanofence array. Lab on A Chip, 2012, 12, 1463.	6.0	26
58	Assessing corrections to the Fickâ€"Jacobs equation. Journal of Chemical Physics, 2014, 141, 044118.	3.0	25
59	Backfolding of DNA Confined in Nanotubes: Flory Theory versus the Two-State Cooperativity Model. Macromolecules, 2016, 49, 1120-1126.	4.8	25
60	Polymerase chain reaction in natural convection systems: A convection-diffusion-reaction model. Europhysics Letters, 2005, 71, 1008-1014.	2.0	24
61	Open-source code for self-consistent field theory calculations of block polymer phase behavior on graphics processing units. European Physical Journal E, 2020, 43, 15.	1.6	24
62	Coarse-Grained Brownian Dynamics Simulations of the 10-23 DNAzyme. Biophysical Journal, 2009, 97, 2785-2793.	0.5	23
63	Onset of channeling during DNA electrophoresis in a sparse ordered post array. Biomicrofluidics, 2010, 4, 013203.	2.4	23
64	Resolution limit for DNA barcodes in the Odijk regime. Biomicrofluidics, 2012, 6, 014101.	2.4	23
65	The fluid mechanics of genome mapping. AICHE Journal, 2013, 59, 346-354.	3.6	23
66	Hydrodynamics of DNA confined in nanoslits and nanochannels. European Physical Journal: Special Topics, 2014, 223, 3179-3200.	2.6	23
67	â€œVector Chromatographyâ€: Modeling Micropatterned Separation Devices. Journal of Colloid and Interface Science, 2001, 238, 390-413.	9.4	22
68	DNA electrophoresis in microfluidic post arrays under moderate electric fields. Physical Review E, 2006, 73, 061922.	2.1	22
69	Commensurability and finite size effects in lattice simulations of diblock copolymers. Soft Matter, 2015, 11, 4862-4867.	2.7	22
70	Diffusion of Knots along DNA Confined in Nanochannels. Macromolecules, 2020, 53, 6461-6468.	4.8	22
71	Comment on â€œTaylor dispersion of a solute in a microfluidic channelâ€•[J. Appl. Phys. 89, 4667 (2001)]. Journal of Applied Physics, 2001, 90, 6553-6554.	2.5	21
72	Dispersion by Pressure-Driven Flow in Serpentine Microfluidic Channels. Industrial & Engineering Chemistry Research, 2002, 41, 4652-4662.	3.7	21

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73	Entropic depletion of DNA in triangular nanochannels. Biomicrofluidics, 2013, 7, 024102.	2.4	21
74	The Backfolded Odijk Regime for Wormlike Chains Confined in Rectangular Nanochannels. Polymers, 2016, 8, 79.	4.5	21
75	Analysis of a DNA simulation model through hairpin melting experiments. Journal of Chemical Physics, 2010, 133, 125101.	3.0	20
76	Morphological Consequences of Frustration in ABC Triblock Polymers. Macromolecules, 2017, 50, 446-458.	4.8	20
77	Cellâ€"matrix interaction during strain-dependent remodelling of simulated collagen networks. Interface Focus, 2016, 6, 20150069.	3.0	19
78	Interfacial Charge Contributions to Chemical Sensing by Electrolyte-Gated Transistors with Floating Gates. Journal of Physical Chemistry Letters, 2018, 9, 1335-1339.	4.6	19
79	Microfluidic opportunities in printed electrolyte-gated transistor biosensors. Biomicrofluidics, 2020, 14, 011301.	2.4	19
80	Measuring bacterial adaptation dynamics at the single-cell level using a microfluidic chemostat and time-lapse fluorescence microscopy. Analyst, The, 2014, 139, 5254-5262.	3.5	18
81	Brownian dynamics simulations of electrophoretic DNA separations in a sparse ordered post array. Journal of Chromatography A, 2010, 1217, 5522-5528.	3.7	17
82	Measurements of DNA barcode label separations in nanochannels from time-series data. Biomicrofluidics, 2015, 9, 064119.	2.4	17
83	Model of RecA-Mediated Homologous Recognition. Physical Review Letters, 2004, 93, 268102.	7.8	16
84	Shear-Induced Desorption of Isolated Polymer Molecules from a Planar Wall. ACS Macro Letters, 2015, 4, 271-274.	4.8	16
85	Modeling the stretching of wormlike chains in the presence of excluded volume. Soft Matter, 2015, 11, 5947-5954.	2.7	16
86	Role of growth rate on the orientational alignment of Escherichia coli in a slit. Royal Society Open Science, 2017, 4, 170463.	2.4	16
87	Predicting the phase behavior of ABAC tetrablock terpolymers: Sensitivity to Floryâ€"Huggins interaction parameters. Polymer, 2018, 154, 305-314.	3.8	16
88	Separation mechanisms underlying vector chromatography in microlithographic arrays. Physical Review E, 2002, 65, 052103.	2.1	15
89	Measurement of the Surface Concentration for Bioassay Kinetics in Microchannels. Analytical Chemistry, 2005, 77, 833-839.	6.5	15
90	Plasma thinned nanopost arrays for DNA electrophoresis. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	2.1	15

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91	Mechanical response of wild-type and Alport murine lens capsules during osmotic swelling. Experimental Eye Research, 2013, 113, 87-91.	2.6	15
92	Subdiffusion of loci and cytoplasmic particles are different in compressed Escherichia coli cells. Communications Biology, 2018, 1, 176.	4.4	15
93	Continuousâ€time random walk models of DNA electrophoresis in a post array: Part I. Evaluation of existing models. Electrophoresis, 2011, 32, 573-580.	2.4	14
94	Shear-banding and superdiffusivity in entangled polymer solutions. Physical Review E, 2017, 96, 062503.	2.1	14
95	Measuring the wall depletion length of nanoconfined DNA. Journal of Chemical Physics, 2018, 149, 104901.	3.0	14
96	Stability of the Double Gyroid Phase in Bottlebrush Diblock Copolymer Melts. Macromolecules, 2021, 54, 9063-9070.	4.8	14
97	Rapid conformational fluctuations in a model of methylcellulose. Physical Review Materials, 2017, 1, .	2.4	14
98	Influence of charge sequence on the adsorption of polyelectrolytes to oppositely-charged polyelectrolyte brushes. Soft Matter, 2019, 15, 5431-5442.	2.7	13
99	Electrophoretic collision of a DNA molecule with a small elliptical obstacle. Electrophoresis, 2010, 31, 860-867.	2.4	12
100	Elasticity of the Porcine Lens Capsule as Measured by Osmotic Swelling. Journal of Biomechanical Engineering, 2010, 132, 091008.	1.3	12
101	Simulations of knotting of DNA during genome mapping. Biomicrofluidics, 2017, 11, 024117.	2.4	12
102	Equilibration of Micelleâ€"Polyelectrolyte Complexes: Mechanistic Differences between Static and Annealed Charge Distributions. Journal of Physical Chemistry B, 2017, 121, 4631-4641.	2.6	12
103	Evaluation of Blob Theory for the Diffusion of DNA in Nanochannels. Macromolecules, 2018, 51, 1748-1755.	4.8	12
104	Convective dispersion without molecular diffusion. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 180-194.	2.6	11
105	Rapid Ejection of Giant Pluronic L121 Vesicles from Spreading Double Emulsion Droplets. Langmuir, 2010, 26, 9666-9672.	3.5	11
106	Continuousâ€time random walk models of DNA electrophoresis in a post array: Part II. Mobility and sources of band broadening. Electrophoresis, 2011, 32, 581-587.	2.4	11
107	Dynamics of polymer adsorption from dilute solution in shear flow near a planar wall. Journal of Chemical Physics, 2013, 139, 174905.	3.0	11
108	Wall depletion length of a channel-confined polymer. Physical Review E, 2017, 95, 022501.	2.1	11

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109	Odijk Excluded Volume Interactions during the Unfolding of DNA Confined in a Nanochannel. Macromolecules, 2018, 51, 1172-1180.	4.8	11
110	Microfluidic long DNA sample preparation from cells. Lab on A Chip, 2019, 19, 281-290.	6.0	11
111	Diffusion of Knotted DNA Molecules in Nanochannels in the Extended de Gennes Regime. Macromolecules, 2021, 54, 4211-4218.	4.8	11
112	Laves Phase Field in a Diblock Copolymer Alloy. Macromolecules, 2022, 55, 2991-2998.	4.8	11
113	Exact lattice calculations of dispersion coefficients in the presence of external fields and obstacles. European Physical Journal E, 2004, 15, 71-82.	1.6	10
114	A Model of Strain-Dependent Glomerular Basement Membrane Maintenance and Its Potential Ramifications in Health and Disease. Journal of Biomechanical Engineering, 2012, 134, 081006.	1.3	10
115	Modeling the relaxation of internal DNA segments during genome mapping in nanochannels. Biomicrofluidics, 2016, 10, 054117.	2.4	10
116	Evidence for the extended de Gennes regime of a semiflexible polymer in slit confinement. Physical Review E, 2018, 97, .	2.1	10
117	3D Printing-Enabled DNA Extraction for Long-Read Genomics. ACS Omega, 2020, 5, 20817-20824.	3.5	10
118	Glomerular filtration and podocyte tensional homeostasis: importance of the minor type IV collagen network. Biomechanics and Modeling in Mechanobiology, 2020, 19, 2433-2442.	2.8	10
119	Simulating precursor steps for fibril formation in methylcellulose solutions. Physical Review Materials, 2019, 3, .	2.4	10
120	Combined electrophoretic and electro-osmotic transport through channels of periodically varying cross section. Physics of Fluids, 2008, 20, .	4.0	9
121	Collision of a long DNA molecule with an isolated nanowire. Electrophoresis, 2010, 31, 3675-3680.	2.4	9
122	Experimental study of the effect of disorder on DNA dynamics in post arrays during electrophoresis. Physical Review E, 2012, 86, 041909.	2.1	9
123	Adsorption of single polymer molecules in shear flow near a planar wall. Journal of Chemical Physics, 2013, 138, 034905.	3.0	9
124	Finite-size corrections for confined polymers in the extended de Gennes regime. Physical Review E, 2015, 92, 062601.	2.1	9
125	Fast, Efficient, and Gentle Transfection of Human Adherent Cells in Suspension. ACS Applied Materials & Interfaces, 2016, 8, 8870-8874.	8.0	9
126	The Statistical Segment Length of DNA: Opportunities for Biomechanical Modeling in Polymer Physics and Next-Generation Genomics. Journal of Biomechanical Engineering, 2018, 140, .	1.3	9

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127	Distribution of label spacings for genome mapping in nanochannels. Biomicrofluidics, 2018, 12, 034115.	2.4	9
128	Modeling DNA Electrophoresis in Microfluidic Entropic Trapping Devices. Biomedical Microdevices, 2002, 4, 237-244.	2.8	8
129	DNA unhooking from a single post as a deterministic process: Insights from translocation modeling. Physical Review E, 2009, 79, 031928.	2.1	8
130	Statistical properties of the electrophoretic collision of a long <scp>DNA</scp> molecule with a small obstacle. Electrophoresis, 2012, 33, 1013-1020.	2.4	8
131	Hairpins in the conformations of a confined polymer. Biomicrofluidics, 2018, 12, 024105.	2.4	8
132	TAYLOR-ARIS DISPERSION DURING LUBRICATION FLOW IN A PERIODIC CHANNEL. Chemical Engineering Communications, 2009, 197, 39-50.	2.6	7
133	Ratchet nanofiltration of DNA. Lab on A Chip, 2013, 13, 3741.	6.0	7
134	Interfacial geometry in particle-forming phases of diblock copolymers. Physical Review Materials, 2022, 6, .	2.4	7
135	Generalized Taylor--Aris Dispersion in Spatially Periodic Microfluidic Networks. Chemical Reactions. SIAM Journal on Applied Mathematics, 2003, 63, 962-986.	1.8	6
136	Generalized Taylorâ€"Aris dispersion analysis of spatially periodic lattice Monte Carlo models: Effect of discrete time. Journal of Chemical Physics, 2003, 119, 6979-6980.	3.0	6
137	Theory of band broadening during cycling temperature capillary electrophoresis. Electrophoresis, 2007, 28, 665-673.	2.4	6
138	A boundary element method/Brownian dynamics approach for simulating DNA electrophoresis in electrically insulating microfabricated devices. Electrophoresis, 2009, 30, 1482-1489.	2.4	6
139	DNA electrophoresis in confined, periodic geometries: A new lakes-straits model. Journal of Chemical Physics, 2010, 133, 234104.	3.0	6
140	Role of Order during Ogston Sieving of DNA in Colloidal Crystals. Analytical Chemistry, 2013, 85, 7769-7776.	6.5	6
141	Evaluation of the Kirkwood approximation for the diffusivity of channel-confined DNA chains in the de Gennes regime. Biomicrofluidics, 2015, 9, 024112.	2.4	6
142	Entropic trap purification of long DNA. Lab on A Chip, 2018, 18, 955-964.	6.0	6
143	Effect of edge disturbance on shear banding in polymeric solutions. Journal of Rheology, 2018, 62, 1339-1345.	2.6	6
144	Order and Disorder in ABCAâ€² Tetrablock Terpolymers. Journal of Physical Chemistry B, 2020, 124, 10266-10275.	2.6	6

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145	Alternating Gyroid in Block Polymer Blends. ACS Macro Letters, 2022, 11, 643-650.	4.8	6
146	Stability of cubic single network phases in diblock copolymer melts. Journal of Polymer Science, 2022, 60, 2543-2552.	3.8	6
147	Exact computation of the mean velocity, molecular diffusivity, and dispersivity of a particle moving on a periodic lattice. Journal of Chemical Physics, 2003, 118, 8428-8436.	3.0	5
148	Tilted post arrays for separating long DNA. Biomicrofluidics, 2014, 8, 034115.	2.4	5
149	Comparison of microfabricated hexagonal and lamellar post arrays for <scp>DNA</scp> electrophoresis. Electrophoresis, 2014, 35, 654-661.	2.4	5
150	Effect of Supercoiling on the Mechanical and Permeability Properties of Model Collagen IV Networks. Annals of Biomedical Engineering, 2015, 43, 1695-1705.	2.5	5
151	Effect of excluded volume on the force-extension of wormlike chains in slit confinement. Journal of Chemical Physics, 2016, 144, 104902.	3.0	5
152	Simulations corroborate telegraph model predictions for the extension distributions of nanochannel confined DNA. Biomicrofluidics, 2019, 13, 044110.	2.4	5
153	Detection and amplification of capacitance- and charge-based signals using printed electrolyte gated transistors with floating gates. Flexible and Printed Electronics, 2019, 4, 044001.	2.7	5
154	Extension distribution for DNA confined in a nanochannel near the Odijk regime. Journal of Chemical Physics, 2019, 151, 114903.	3.0	5
155	The C36 Laves phase in diblock polymer melts. Soft Matter, 2021, 17, 8950-8959.	2.7	5
156	Interactions between two knots in nanochannel-confined DNA molecules. Journal of Chemical Physics, 2021, 155, 154901.	3.0	5
157	Free Energy Trajectory for Escape of a Single Chain from a Diblock Copolymer Micelle. ACS Macro Letters, 2021, 10, 1570-1575.	4.8	5
158	Stabilizing a Double Gyroid Network Phase with 2 nm Feature Size by Blending of Lamellar and Cylindrical Forming Block Oligomers. Jacs Au, 2022, 2, 1405-1416.	7.9	5
159	Modeling of Quasi-Static Floating-Gate Transistor Biosensors. ACS Sensors, 2021, 6, 1910-1917.	7.8	4
160	Open-source platform for block polymer formulation design using particle swarm optimization. European Physical Journal E, 2021, 44, 115.	1.6	4
161	Relationship between frequency and deflection angle in the DNA prism. Physical Review E, 2013, 87, 012723.	2.1	3
162	Tilted hexagonal post arrays: <scp>DNA</scp> electrophoresis in anisotropic media. Electrophoresis, 2014, 35, 405-411.	2.4	3

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163	A computational model of flow and species transport in the mesangium. American Journal of Physiology - Renal Physiology, 2016, 310, F222-F229.	2.7	3
164	Dynamics of DNA-Bridged Dumbbells in Concentrated, Shear-Banding Polymer Solutions. Macromolecules, 2021, 54, 4186-4197.	4.8	3
165	Identifying a critical micelle temperature in simulations of disordered asymmetric diblock copolymer melts. Physical Review Materials, 2021, 5, .	2.4	3
166	Comment on â€œTaylor Dispersion with Absorbing Boundaries: A Stochastic Approachâ€• Physical Review Letters, 2008, 100, 029401; discussion 029403.	7.8	2
167	Limitations of the equivalent neutral polymer assumption for theories describing nanochannel-confined DNA. Physical Review E, 2020, 101, 012501.	2.1	2
168	Origins of the suppression of fibril formation in grafted methylcellulose solutions. Physical Review Materials, 2020, 4, .	2.4	2
169	Adsorption of Charge Sequence-Specific Polydisperse Polyelectrolytes. Macromolecules, 2022, 55, 3030-3038.	4.8	2
170	Anomalous sedimentation of a small Brownian sphere in a vertical circular cylinder of periodically varying radius. Physics of Fluids, 2003, 15, 1082-1085.	4.0	1
171	HOWARD BRENNER'S LEGACYâ€¦SO FAR. Chemical Engineering Communications, 2009, 197, 1-2.	2.6	1
172	Particle-directed assembly of semiflexible polymer chains. Soft Matter, 2016, 12, 6214-6222.	2.7	1
173	Erratum to â€œPredicting the phase behavior of ABAC tetrablock terpolymers: Sensitivity to Floryâ€“Huggins interaction parametersâ€•[Polymer, 154 (2018), 305â€“314]. Polymer, 2020, 210, 123038.	3.8	1
174	Disordered Micelle Regime in a Conformationally Asymmetric Diblock Copolymer Melt. Macromolecules, 0, , .	4.8	1
175	Band Broadening During High-Throughput Mutation Detection in Microchannels. , 2007, , 155.		0
176	Telescopic timeâ€scale bridging for modeling dispersion in rapidly oscillating flows. AICHE Journal, 2012, 58, 1987-1997.	3.6	0