Andrey V Dobrynin

List of Publications by Year in descending order

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	30070	29157
11,975	54	104
citations	h-index	g-index
172	172	9631
docs citations	times ranked	citing authors
	11,975 citations 172 docs citations	11,97554citationsh-index172172docs citations172times ranked

#	Article	IF	CITATIONS
1	Theory of polyelectrolytes in solutions and at surfaces. Progress in Polymer Science, 2005, 30, 1049-1118.	24.7	1,268
2	Scaling Theory of Polyelectrolyte Solutions. Macromolecules, 1995, 28, 1859-1871.	4.8	834
3	Solvent-free, supersoft and superelastic bottlebrush melts and networks. Nature Materials, 2016, 15, 183-189.	27.5	428
4	Cascade of Transitions of Polyelectrolytes in Poor Solvents. Macromolecules, 1996, 29, 2974-2979.	4.8	424
5	Extraction of a hydrophilic compound from water into liquid CO2 using dendritic surfactants. Nature, 1997, 389, 368-371.	27.8	379
6	Chameleon-like elastomers with molecularly encoded strain-adaptive stiffening and coloration. Science, 2018, 359, 1509-1513.	12.6	345
7	Mimicking biological stress–strain behaviour with synthetic elastomers. Nature, 2017, 549, 497-501.	27.8	286
8	Polyampholytes. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3513-3538.	2.1	269
9	Elastic Modulus and Equilibrium Swelling of Polyelectrolyte Gels. Macromolecules, 1996, 29, 398-406.	4.8	251
10	Theory and simulations of charged polymers: From solution properties to polymeric nanomaterials. Current Opinion in Colloid and Interface Science, 2008, 13, 376-388.	7.4	250
11	Investigation of the Swelling Response and Loading of Ionic Microgels with Drugs and Proteins:Â The Dependence on Cross-Link Density. Macromolecules, 1999, 32, 4867-4878.	4.8	231
12	Dynamics of Semidilute Polyelectrolyte Solutions. Physical Review Letters, 1994, 73, 2776-2779.	7.8	184
13	Conductive Thin Films of Pristine Graphene by Solvent Interface Trapping. ACS Nano, 2013, 7, 7062-7066.	14.6	171
14	Shapeshifting: Reversible Shape Memory in Semicrystalline Elastomers. Macromolecules, 2014, 47, 1768-1776.	4.8	171
15	Adsorption of Polyelectrolytes at Oppositely Charged Surfaces. Macromolecules, 2001, 34, 3421-3436.	4.8	170
16	Polyelectrolytes in Salt Solutions: Molecular Dynamics Simulations. Macromolecules, 2011, 44, 5798-5816.	4.8	156
17	Bottlebrush Elastomers: A New Platform for Freestanding Electroactuation. Advanced Materials, 2017, 29, 1604209.	21.0	150
18	Associations leading to formation of reversible networks and gels. Current Opinion in Colloid and Interface Science, 1999, 4, 83-87.	7.4	142

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19	Hydrophobic Polyelectrolytes. Macromolecules, 1999, 32, 915-922.	4.8	140
20	Universality in Nonlinear Elasticity of Biological and Polymeric Networks and Gels. Macromolecules, 2011, 44, 140-146.	4.8	140
21	Architectural Code for Rubber Elasticity: From Supersoft to Superfirm Materials. Macromolecules, 2019, 52, 7531-7546.	4.8	137
22	Biodegradable Shape Memory Polymers in Medicine. Advanced Healthcare Materials, 2017, 6, 1700694.	7.6	136
23	Electrostatic Persistence Length of Semiflexible and Flexible Polyelectrolytes. Macromolecules, 2005, 38, 9304-9314.	4.8	120
24	Combs and Bottlebrushes in a Melt. Macromolecules, 2017, 50, 3430-3437.	4.8	117
25	Counterion Condensation and Phase Separation in Solutions of Hydrophobic Polyelectrolytes. Macromolecules, 2001, 34, 1964-1972.	4.8	107
26	Computer-aided comparative investigation of architecture influence on block copolymer phase diagrams. Macromolecules, 1993, 26, 276-281.	4.8	106
27	Molecular Dynamics Simulations of Polyelectrolyte Adsorption. Langmuir, 2007, 23, 2472-2482.	3.5	104
28	Counterion-Correlation-Induced Attraction and Necklace Formation in Polyelectrolyte Solutions:Â Theory and Simulations. Macromolecules, 2006, 39, 1920-1938.	4.8	103
29	Adsorption of Polyelectrolytes at an Oppositely Charged Surface. Physical Review Letters, 2000, 84, 3101-3104.	7.8	100
30	Molecular Dynamics Simulations of Polyelectrolyte Solutions:Â Osmotic Coefficient and Counterion Condensation. Macromolecules, 2003, 36, 3399-3410.	4.8	97
31	Nonlinear Elasticity: From Single Chain to Networks and Gels. Macromolecules, 2013, 46, 3679-3692.	4.8	88
32	Electrophoresis of polyampholytes. Journal of Chemical Physics, 1998, 108, 1234-1244.	3.0	85
33	Molecular Dynamics Simulations of Polyelectrolyte Solutions:Â Nonuniform Stretching of Chains and Scaling Behavior. Macromolecules, 2003, 36, 3386-3398.	4.8	85
34	Flory Theory of a Polyampholyte Chain. Journal De Physique II, 1995, 5, 677-695.	0.9	84
35	Adsorption of a Polyampholyte Chain on a Charged Surface. Macromolecules, 1997, 30, 4332-4341.	4.8	84
36	Scaling Theory of Diblock Polyampholyte Solutions. Macromolecules, 2005, 38, 8870-8881.	4.8	83

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37	Polyelectrolyte spin assembly: Influence of ionic strength on the growth of multilayered thin films. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3654-3666.	2.1	82
38	Molecular Dynamics Simulations of Polyelectrolyte Brushes:  From Single Chains to Bundles of Chains. Langmuir, 2007, 23, 12716-12728.	3.5	81
39	Adhesion of Nanoparticles. Langmuir, 2010, 26, 12973-12979.	3.5	81
40	Computer Simulations of Bottle Brushes: From Melts to Soft Networks. Macromolecules, 2015, 48, 5006-5015.	4.8	80
41	Light-Scattering Study of Diblock Copolymers in Supercritical Carbon Dioxide:Â CO2Density-Induced Micellization Transition. Macromolecules, 1998, 31, 7347-7355.	4.8	78
42	Stabilization of Graphene Sheets by a Structured Benzene/Hexafluorobenzene Mixed Solvent. Journal of the American Chemical Society, 2012, 134, 5018-5021.	13.7	73
43	Adhesion and Wetting of Nanoparticles on Soft Surfaces. Macromolecules, 2014, 47, 3203-3209.	4.8	73
44	Programming temporal shapeshifting. Nature Communications, 2016, 7, 12919.	12.8	72
45	Molecular Dynamics Simulations of Mutilayer Films of Polyelectrolytes and Nanoparticles. Langmuir, 2006, 22, 4629-4637.	3.5	68
46	Necklace Globule and Counterion Condensation. Macromolecules, 2007, 40, 7695-7706.	4.8	68
47	Dynamics of Dual Networks: Strain Rate and Temperature Effects in Hydrogels with Reversible H-Bonds. Macromolecules, 2017, 50, 652-659.	4.8	66
48	Supersoft and Hyperelastic Polymer Networks with Brushlike Strands. Macromolecules, 2018, 51, 638-645.	4.8	64
49	Effect of Counterion Condensation on Rigidity of Semiflexible Polyelectrolytes. Macromolecules, 2006, 39, 9519-9527.	4.8	63
50	Chains Are More Flexible Under Tension. Macromolecules, 2010, 43, 9181-9190.	4.8	63
51	Morphologies of Planar Polyelectrolyte Brushes in a Poor Solvent: Molecular Dynamics Simulations and Scaling Analysis. Langmuir, 2009, 25, 13158-13168.	3.5	61
52	Universality of the Entanglement Plateau Modulus of Comb and Bottlebrush Polymer Melts. Macromolecules, 2018, 51, 10028-10039.	4.8	61
53	Perfect mixing of immiscible macromolecules at fluid interfaces. Nature Materials, 2013, 12, 735-740.	27.5	60
54	Bottlebrush Bridge between Soft Gels and Firm Tissues. ACS Central Science, 2020, 6, 413-419.	11.3	56

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55	Molecular Dynamics Simulations of Multilayer Polyelectrolyte Films:Â Effect of Electrostatic and Short-Range Interactions. Langmuir, 2006, 22, 9994-10002.	3.5	55
56	Effect of Short-Range Interactions on Polyelectrolyte Adsorption at Charged Surfacesâ€. Journal of Physical Chemistry B, 2003, 107, 8260-8269.	2.6	54
57	Detailed Molecular Dynamics Simulations of a Model NaPSS in Water. Journal of Physical Chemistry B, 2010, 114, 9391-9399.	2.6	54
58	Molecular Dynamics Simulations of Electrostatic Layer-by-Layer Self-Assembly. Physical Review Letters, 2004, 93, 037801.	7.8	53
59	Molecular Dynamics Simulations of Polyelectrolyteâ^'Polyampholyte Complexes. Effect of Solvent Quality and Salt Concentration. Journal of Physical Chemistry B, 2006, 110, 24652-24665.	2.6	53
60	Hydrophobically Modified Polyelectrolytes in Dilute Salt-Free Solutions. Macromolecules, 2000, 33, 8097-8105.	4.8	52
61	Nucleation-Controlled Polymerization of Nanoparticles into Supramolecular Structures. Journal of the American Chemical Society, 2013, 135, 11417-11420.	13.7	52
62	Molecular Dynamics Simulations of Layer-by-Layer Assembly of Polyelectrolytes at Charged Surfaces:Â Effects of Chain Degree of Polymerization and Fraction of Charged Monomers. Langmuir, 2005, 21, 6113-6122.	3.5	51
63	Persistence length of polyelectrolytes with precisely located charges. Soft Matter, 2013, 9, 90-98.	2.7	50
64	Polymer/Pristine Graphene Based Composites: From Emulsions to Strong, Electrically Conducting Foams. Macromolecules, 2015, 48, 687-693.	4.8	50
65	Theory of Polydisperse Multiblock Copolymers. Macromolecules, 1997, 30, 4756-4765.	4.8	48
66	Long-Range Multichain Adsorption of Polyampholytes on a Charged Surface. Macromolecules, 1999, 32, 5689-5700.	4.8	46
67	Polymeric Droplets on Soft Surfaces: From Neumann's Triangle to Young's Law. Macromolecules, 2015, 48, 443-451.	4.8	46
68	Rouse Dynamics of Polyelectrolyte Solutions:  Molecular Dynamics Study. Macromolecules, 2007, 40, 7671-7679.	4.8	43
69	Friction between Brush Layers of Charged and Neutral Bottle-Brush Macromolecules. Molecular Dynamics Simulations. Langmuir, 2011, 27, 14599-14608.	3.5	43
70	Comb and Bottlebrush Graft Copolymers in a Melt. Macromolecules, 2019, 52, 3942-3950.	4.8	41
71	Interaction between Brush Layers of Bottle-Brush Polyelectrolytes: Molecular Dynamics Simulations. Langmuir, 2011, 27, 11044-11051.	3.5	40
72	Adsorption of Hydrophobic Polyelectrolytes at Oppositely Charged Surfaces. Macromolecules, 2002, 35, 2754-2768.	4.8	39

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73	Molecular Dynamics Simulations of Polyampholyteâ^'Polyelectrolyte Complexes in Solutions. Macromolecules, 2005, 38, 5300-5312.	4.8	39
74	Contact Mechanics of Nanoparticles. Langmuir, 2012, 28, 10881-10890.	3.5	39
75	Entropy-driven segregation of polymer-grafted nanoparticles under confinement. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2462-2467.	7.1	38
76	Combined Effect of Spin Speed and Ionic Strength on Polyelectrolyte Spin Assembly. Langmuir, 2007, 23, 12589-12597.	3.5	36
77	Elastocapillarity: Adhesion and Wetting in Soft Polymeric Systems. Macromolecules, 2014, 47, 6515-6521.	4.8	36
78	Dynamics of Bottlebrush Networks. Macromolecules, 2016, 49, 8009-8017.	4.8	36
79	Distribution of Chains in Polymer Brushes Produced by a "Grafting From―Mechanism. Macromolecules, 2016, 49, 547-553.	4.8	36
80	"Grafting-Through― Growing Polymer Brushes by Supplying Monomers through the Surface. Macromolecules, 2016, 49, 2477-2483.	4.8	35
81	Phase Diagram of Solutions of Associative Polymers. Macromolecules, 2004, 37, 3881-3893.	4.8	34
82	Scale-Dependent Electrostatic Stiffening in Biopolymers. Macromolecules, 2009, 42, 5851-5860.	4.8	34
83	Ultraâ€Tough Elastomers from Stereochemistryâ€Directed Hydrogen Bonding in Isosorbideâ€Based Polymers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	34
84	α-Amino Acid-Based Poly(Ester urea)s as Multishape Memory Polymers for Biomedical Applications. ACS Macro Letters, 2016, 5, 1176-1179.	4.8	32
85	Strained Bottlebrushes in Super-Soft Physical Networks. ACS Macro Letters, 2019, 8, 530-534.	4.8	32
86	Microphase Segregation in the Melts of Bottlebrush Block Copolymers. Macromolecules, 2020, 53, 2582-2593.	4.8	32
87	A statistical theory of polydisperse block copolymer systems under weak supercrystallization. Macromolecular Symposia, 1994, 81, 253-315.	0.7	31
88	Effect of solvent quality on polyelectrolyte adsorption at an oppositely charged surface. Journal of Chemical Physics, 2001, 114, 8145-8153.	3.0	30
89	Monte Carlo simulation of homopolymer chains. I. Second virial coefficient. Journal of Chemical Physics, 2003, 118, 4721-4732.	3.0	30
90	Layer-by-Layer Assembly of Charged Nanoparticles on Porous Substrates: Molecular Dynamics Simulations. ACS Nano, 2011, 5, 3010-3019.	14.6	29

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91	Salt Effect on Osmotic Pressure of Polyelectrolyte Solutions: Simulation Study. Polymers, 2014, 6, 1897-1913.	4.5	29
92	Nonlinear Elasticity and Swelling of Comb and Bottlebrush Networks. Macromolecules, 2019, 52, 5095-5101.	4.8	29
93	Monte Carlo simulations of polyampholyte-polyelectrolyte complexes: Effect of charge sequence and strength of electrostatic interactions. Physical Review E, 2003, 67, 061803.	2.1	28
94	Molecular Visualization of Conformation-Triggered Flow Instability. Physical Review Letters, 2005, 94, 237801.	7.8	28
95	Molecular Dynamics Simulations of Polyelectrolyte Multilayering on a Charged Particle. Langmuir, 2005, 21, 1118-1125.	3.5	28
96	Flory Theorem for Structurally Asymmetric Mixtures. Physical Review Letters, 2007, 99, 137801.	7.8	28
97	Explicit Solvent Simulations of Friction between Brush Layers of Charged and Neutral Bottle-Brush Macromolecules. Macromolecules, 2012, 45, 8880-8891.	4.8	28
98	Nanoparticles as Adhesives for Soft Polymeric Materials. Macromolecules, 2016, 49, 3586-3592.	4.8	28
99	Sonication-induced scission of molecular bottlebrushes: Implications of the "hairy―architecture. Polymer, 2016, 84, 178-184.	3.8	28
100	Layer-by-Layer Assembly of Polyelectrolyte Chains and Nanoparticles on Nanoporous Substrates: Molecular Dynamics Simulations. Langmuir, 2012, 28, 1531-1538.	3.5	27
101	Tunable Shape Memory Polymers from α-Amino Acid-Based Poly(ester urea)s. Macromolecules, 2017, 50, 4300-4308.	4.8	27
102	Boron Nitride Surface Activity as Route to Composite Dielectric Films. ACS Applied Materials & Interfaces, 2015, 7, 16913-16916.	8.0	26
103	Reduced Domain Size and Interfacial Width in Fast Ordering Nanofilled Block Copolymer Films by Direct Immersion Annealing. Macromolecules, 2016, 49, 8563-8571.	4.8	26
104	Controlled 3D Assembly of Graphene Sheets to Build Conductive, Chemically Selective and Shapeâ€Responsive Materials. Advanced Materials, 2017, 29, 1604947.	21.0	26
105	When Do Polyelectrolytes Entangle?. Macromolecules, 2021, 54, 1859-1869.	4.8	26
106	Structure of Adsorbed Polyampholyte Layers at Charged Objects. Macromolecules, 2001, 34, 627-639.	4.8	25
107	Surface Stress and Surface Tension in Polymeric Networks. ACS Macro Letters, 2018, 7, 116-121.	4.8	25
108	From Adhesion to Wetting: Contact Mechanics at the Surfaces of Super-Soft Brush-Like Elastomers. ACS Macro Letters, 2017, 6, 854-858.	4.8	24

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109	Surface Stresses and a Force Balance at a Contact Line. Langmuir, 2018, 34, 7497-7502.	3.5	24
110	Sugar-Based Polymers with Stereochemistry-Dependent Degradability and Mechanical Properties. Journal of the American Chemical Society, 2022, 144, 1243-1250.	13.7	24
111	Polyampholyte solutions between charged surfaces: Debye–Huckel theory. Journal of Chemical Physics, 1998, 109, 9172-9176.	3.0	23
112	Adhesion and Wetting of Soft Nanoparticles on Textured Surfaces: Transition between Wenzel and Cassie–Baxter States. Langmuir, 2015, 31, 1693-1703.	3.5	22
113	Polyelectrolytes: On the doorsteps of the second century. Polymer, 2020, 202, 122714.	3.8	22
114	Conformations of molten diblock copolymer macromolecules near the point of microphase separation transition. Macromolecules, 1992, 25, 4411-4413.	4.8	21
115	How To Measure Work of Adhesion and Surface Tension of Soft Polymeric Materials. Macromolecules, 2018, 51, 4059-4067.	4.8	21
116	Quantifying the Effect of Multivalent Ions in Polyelectrolyte Solutions. Macromolecules, 2021, 54, 9577-9586.	4.8	21
117	Dynamics of nanoparticle adhesion. Journal of Chemical Physics, 2012, 137, 214902.	3.0	20
118	Molecular Dynamics Simulations of Grafted Layers of Bottle-Brush Polyelectrolytes. Langmuir, 2010, 26, 18374-18381.	3.5	19
119	Scattering from Melts of Combs and Bottlebrushes: Molecular Dynamics Simulations and Theoretical Study. Macromolecules, 2019, 52, 5555-5562.	4.8	19
120	Tissue-Mimetic Dielectric Actuators: Free-Standing, Stable, and Solvent-Free. ACS Applied Polymer Materials, 2020, 2, 1741-1745.	4.4	19
121	Small-Angle Neutron Scattering Analysis of Blends with Very Strong Intermolecular Interactions:Â Polyamide/Ionomer Blends. Macromolecules, 2003, 36, 4404-4410.	4.8	18
122	Molecular Dynamics Simulations of Nanoimprinting Lithography. Langmuir, 2009, 25, 13244-13249.	3.5	18
123	Phase coexistence in random copolymers. Journal of Chemical Physics, 1997, 107, 9234-9238.	3.0	17
124	Adsorption of a polyampholyte on a charged spherical particle. European Physical Journal E, 2001, 5, 41-49.	1.6	17
125	A Case Study of Truncated Electrostatics for Simulation of Polyelectrolyte Brushes on GPU Accelerators. Journal of Chemical Theory and Computation, 2013, 9, 73-83.	5.3	17
126	Computer Simulations of Continuous 3-D Printing. Macromolecules, 2017, 50, 7794-7800.	4.8	17

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127	Molecular Dynamics Simulations of Surface and Interfacial Tension of Graft Polymer Melts. Langmuir, 2018, 34, 12974-12981.	3.5	17
128	Fluctuation Theory of Random Copolymers. Journal De Physique, I, 1995, 5, 365-377.	1.2	17
129	Effect of the Electrostatic Interactions on Stretching of Semiflexible and Biological Polyelectrolytes. Macromolecules, 2010, 43, 2589-2604.	4.8	16
130	Contact Mechanics of Nanoparticles: Pulling Rigid Nanoparticles from Soft, Polymeric Surfaces. Langmuir, 2015, 31, 12520-12529.	3.5	16
131	Brush Architecture and Network Elasticity: Path to the Design of Mechanically Diverse Elastomers. Macromolecules, 2022, 55, 2940-2951.	4.8	16
132	Nanoparticle-Textured Surfaces from Spin Coating. Langmuir, 2008, 24, 5218-5220.	3.5	15
133	Strain-Adaptive Self-Assembled Networks of Linear-Bottlebrush-Linear Copolymers. Macromolecules, 2019, 52, 8617-8624.	4.8	15
134	Independently Tuning Elastomer Softness and Firmness by Incorporating Side Chain Mixtures into Bottlebrush Network Strands. Macromolecules, 2020, 53, 9306-9312.	4.8	15
135	Scaling of Polymer Solutions as a Quantitative Tool. Macromolecules, 2021, 54, 2288-2295.	4.8	15
136	Theory of random copolymers near the Lifshitz point. Europhysics Letters, 1996, 36, 283-288.	2.0	14
137	Adsorption Isotherms of Polyampholytes at Charged Spherical Particles. Journal of Physical Chemistry B, 2001, 105, 8917-8930.	2.6	14
138	Stabilization of fluorophore in DNA thin films. Applied Physics Letters, 2009, 95, .	3.3	13
139	Sierpiński Pyramids by Molecular Entanglement. Journal of the American Chemical Society, 2020, 142, 5526-5530.	13.7	13
140	Swelling of biological and semiflexible polyelectrolytes. Journal of Physics Condensed Matter, 2009, 21, 424112.	1.8	12
141	Molecular Dynamics Simulations of the Effect of Elastocapillarity on Reinforcement of Soft Polymeric Materials by Liquid Inclusions. Macromolecules, 2016, 49, 7108-7115.	4.8	12
142	Encoding tissue mechanics in silicone. Science Robotics, 2018, 3, .	17.6	12
143	Brush-Like Polymers and Entanglements: From Linear Chains to Filaments. ACS Macro Letters, 2019, 8, 1328-1333.	4.8	11
144	Quantifying Properties of Polysaccharide Solutions. ACS Polymers Au, 2021, 1, 196-205.	4.1	11

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145	Hierarchically Patterned Elastomeric and Thermoplastic Polymer Films through Nanoimprinting and Ultraviolet Light Exposure. ACS Omega, 2018, 3, 15426-15434.	3.5	10
146	Mechanically Diverse Gels with Equal Solvent Content. ACS Central Science, 2022, 8, 845-852.	11.3	10
147	Polyampholyte adsorption on a charged sphere. Physical Review E, 2001, 63, 051802.	2.1	9
148	Molding Block Copolymer Micelles: A Framework for Molding of Discrete Objects on Surfaces. Langmuir, 2008, 24, 12671-12679.	3.5	9
149	Polymer confinement and bacterial gliding motility. European Physical Journal E, 2005, 17, 361-372.	1.6	8
150	Microphase separation transition of random copolymers in a random media. Physical Review E, 1997, 56, 750-757.	2.1	7
151	From Graphene-like Sheet Stabilized Emulsions to Composite Polymeric Foams: Molecular Dynamics Simulations. Macromolecules, 2018, 51, 7360-7367.	4.8	7
152	Charged Polymers: From Polyelectrolyte Solutions to Polyelectrolyte Complexes. Macromolecules, 2021, 54, 7183-7192.	4.8	7
153	Size Separation of Macromolecules during Spreading. Langmuir, 2010, 26, 15339-15344.	3.5	6
154	Universality in Solution Properties of Polymers in Ionic Liquids. ACS Applied Polymer Materials, 2022, 4, 1966-1973.	4.4	6
155	Degradation of Films of Block Copolymers: Molecular Dynamics Simulations. Macromolecules, 2020, 53, 1270-1280.	4.8	5
156	Fluctuation Theory of Charged AB-Random Copolymers. Journal De Physique II, 1995, 5, 1241-1253.	0.9	5
157	Glass Transition Versus Microphase Separation: a Phenomenological Replica-Field Theory for AB Copolymer Systems. Journal De Physique, I, 1995, 5, 657-669.	1.2	4
158	A Model of Polymeric Nanopropulsion Engine. Macromolecules, 2007, 40, 5171-5175.	4.8	3
159	Molecular dynamics simulations of bottlebrush macromolecules in two dimensional polymeric melts under flow conditions. Soft Matter, 2011, 7, 2805.	2.7	3
160	Electrical Conductivity of Graphene–Polymer Composite Foams: A Computational Study. Macromolecules, 2019, 52, 7379-7385.	4.8	3
161	Elastocapillarity and rolling dynamics of solid nanoparticles on soft elastic substrates. Soft Matter, 2020, 16, 2230-2237.	2.7	3
162	Bottlebrushes and Combs with Bimodal Distribution of the Side Chains: Diagram of States and Scattering Function. Macromolecules, 2021, 54, 1818-1828.	4.8	3

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163	Theory and Simulations of Hybrid Networks. Macromolecules, 2021, 54, 7337-7346.	4.8	3
164	Rolling Dynamics of Nanoscale Elastic Shells Driven by Active Particles. ACS Central Science, 2018, 4, 1537-1544.	11.3	2
165	Gluing Interfaces with Soft Nanoparticles. Langmuir, 2019, 35, 7277-7284.	3.5	2
166	Computationally Driven Design of Soft Materials with Tissue-like Mechanical Properties. ACS Symposium Series, 2018, , 33-50.	0.5	1
167	Deformation Model of Chains and Networks with Extendable Bonds. Macromolecules, 2020, 53, 10874-10881.	4.8	1
168	Molecular Simulations of Charged Polymers. , 2004, , .		1
169	Degradation of Block Copolymer Films Confined in Elastic Media: Molecular Dynamics Simulations. Macromolecules, 2020, 53, 9460-9469.	4.8	0
170	Ultraâ€Tough Elastomers from Stereochemistryâ€Directed Hydrogen Bonding in Isosorbideâ€Based Polymers. Angewandte Chemie, 2022, 134, .	2.0	0