

# Venkat Ganesan

## List of Publications by Year in descending order

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166  
papers

7,421  
citations

66234

42  
h-index

66788

78  
g-index

172  
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172  
docs citations

172  
times ranked

6250  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of ion transport in lithium salt-doped polymeric ionic liquid electrolytes at higher salt concentrations. <i>Journal of Polymer Science</i> , 2022, 60, 199-213.	2.0	5
2	Molecular Dynamics Simulation of the Structural, Mechanical, and Reprocessing Properties of Vitrimers Based on a Dynamic Covalent Polymer Network. <i>Macromolecules</i> , 2022, 55, 1091-1103.	2.2	24
3	Machine Learning-Assisted Design of Material Properties. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2022, 13, 235-254.	3.3	13
4	Cation-Ligand Interactions Dictate Salt Partitioning and Diffusivity in Ligand-Functionalized Polymer Membranes. <i>Macromolecules</i> , 2022, 55, 2260-2270.	2.2	11
5	Influence of Polarizability on the Structure, Dynamic Characteristics, and Ion-Transport Mechanisms in Polymeric Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2583-2592.	1.2	11
6	Impact of Cation-Ligand Interactions on the Permselectivity of Ligand-Functionalized Polymer Membranes in Single and Mixed Salt Systems. <i>Macromolecules</i> , 2022, 55, 4821-4831.	2.2	9
7	Nanostructured block copolymer muscles. <i>Nature Nanotechnology</i> , 2022, 17, 752-758.	15.6	53
8	Influence of Charge Regulation and Charge Heterogeneity on Complexation between Weak Polyelectrolytes and Weak Proteins Near Isoelectric Point. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2000054.	0.6	1
9	Prediction and Optimization of Ion Transport Characteristics in Nanoparticle-Based Electrolytes Using Convolutional Neural Networks. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4838-4849.	1.2	13
10	A Multiscale Simulation Study of Influence of Morphology on Ion Transport in Block Copolymeric Ionic Liquids. <i>Macromolecules</i> , 2021, 54, 4997-5010.	2.2	16
11	Relationship between Ionic Conductivity, Glass Transition Temperature, and Dielectric Constant in Poly(vinyl ether) Lithium Electrolytes. <i>ACS Macro Letters</i> , 2021, 10, 1002-1007.	2.3	17
12	Non-intuitive Trends in Flory-Huggins Interaction Parameters in Polyether-Based Polymers. <i>Macromolecules</i> , 2021, 54, 6670-6677.	2.2	8
13	Origins of Lithium/Sodium Reverse Permeability Selectivity in 12-Crown-4-Functionalized Polymer Membranes. <i>ACS Macro Letters</i> , 2021, 10, 1167-1173.	2.3	13
14	Engineering Li/Na selectivity in 12-Crown-4-functionalized polymer membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	65
15	Influence of pore morphology on the diffusion of water in triblock copolymer membranes. <i>Journal of Chemical Physics</i> , 2020, 152, 014904.	1.2	9
16	Ion Mobilities, Transference Numbers, and Inverse Haven Ratios of Polymeric Ionic Liquids. <i>ACS Macro Letters</i> , 2020, 9, 84-89.	2.3	44
17	Design of Polymer Blend Electrolytes through a Machine Learning Approach. <i>Macromolecules</i> , 2020, 53, 9449-9459.	2.2	29
18	Modes of Interaction in Binary Blends of Hydrophobic Polyethers and Imidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids. <i>Macromolecules</i> , 2020, 53, 6519-6528.	2.2	8

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19	Direct Simulations of Phase Behavior of Mixtures of Oppositely Charged Proteins/Nanoparticles and Polyelectrolytes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10943-10951.	1.2	6
20	Transport Mechanisms Underlying Ionic Conductivity in Nanoparticle-Based Single-Ion Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6970-6975.	2.1	10
21	Mechanisms of Ion Transport in Lithium Salt-Doped Polymeric Ionic Liquid Electrolytes. <i>Macromolecules</i> , 2020, 53, 6995-7008.	2.2	24
22	Influence of Charge Regulation and Charge Heterogeneity on Complexation between Polyelectrolytes and Proteins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4421-4435.	1.2	11
23	Highlyâ€Cyclable Roomâ€Ctemperature Phosphorene Polymer Electrolyte Composites for Li Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1910749.	7.8	78
24	Connecting Solute Diffusion to Morphology in Triblock Copolymer Membranes. <i>Macromolecules</i> , 2020, 53, 2336-2343.	2.2	10
25	Effect of Host Incompatibility and Polarity Contrast on Ion Transport in Ternary Polymer-Polymer-Salt Blend Electrolytes. <i>Macromolecules</i> , 2020, 53, 875-884.	2.2	15
26	Ion transport mechanisms in saltâ€Cdoped polymerized zwitterionic electrolytes. <i>Journal of Polymer Science</i> , 2020, 58, 578-588.	2.0	11
27	Mechanisms of Ion Transport in Block Copolymeric Polymerized Ionic Liquids. <i>ACS Macro Letters</i> , 2019, 8, 1096-1101.	2.3	25
28	Influence of Host Polarity on Correlating Salt Concentration, Molecular Weight, and Molar Conductivity in Polymer Electrolytes. <i>ACS Macro Letters</i> , 2019, 8, 888-892.	2.3	18
29	Structure and Transport Properties of Lithium-Doped Aprotic and Protic Ionic Liquid Electrolytes: Insights from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5588-5600.	1.2	19
30	Influence of morphology of colloidal nanoparticle gels on ion transport and rheology. <i>Journal of Chemical Physics</i> , 2019, 150, 214903.	1.2	9
31	Constructing Sacrificial Multiple Networks To Toughen Elastomer. <i>Macromolecules</i> , 2019, 52, 4154-4168.	2.2	43
32	Influence of Counterion Structure on Conductivity of Polymerized Ionic Liquids. <i>ACS Macro Letters</i> , 2019, 8, 387-392.	2.3	52
33	Ion transport in polymeric ionic liquids: recent developments and open questions. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 280-293.	1.7	58
34	Ion transport in backbone-embedded polymerized ionic liquids. <i>Journal of Chemical Physics</i> , 2019, 151, 124902.	1.2	18
35	Influence of dielectric inhomogeneities on the structure of charged nanoparticles in neutral polymer solutions. <i>Soft Matter</i> , 2018, 14, 3748-3759.	1.2	9
36	Mechanical and Viscoelastic Properties of Polymer-Grafted Nanorod Composites from Molecular Dynamics Simulation. <i>Macromolecules</i> , 2018, 51, 2641-2652.	2.2	33

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37	Influence of protein charge patches on the structure of protein-polyelectrolyte complexes. <i>Soft Matter</i> , 2018, 14, 9475-9488.	1.2	19
38	Ion Transport in Polymerized Ionic Liquid-Ionic Liquid Blends. <i>Macromolecules</i> , 2018, 51, 9471-9483.	2.2	41
39	Impact of cross-linking of polymers on transport of salt and water in polyelectrolyte membranes: A mesoscopic simulation study. <i>Journal of Chemical Physics</i> , 2018, 149, 224902.	1.2	10
40	Effect of Polymer Polarity on Ion Transport: A Competition between Ion Aggregation and Polymer Segmental Dynamics. <i>ACS Macro Letters</i> , 2018, 7, 1149-1154.	2.3	84
41	Design of End-to-End Assembly of Side-Grafted Nanorods in a Homopolymer Matrix. <i>Macromolecules</i> , 2018, 51, 4143-4157.	2.2	26
42	Diffusivity of Mono- and Divalent Salts and Water in Polyelectrolyte Desalination Membranes. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8098-8110.	1.2	16
43	Reversal of Salt Concentration Dependencies of Salt and Water Diffusivities in Polymer Electrolyte Membranes. <i>ACS Macro Letters</i> , 2018, 7, 739-744.	2.3	32
44	Nonmonotonic Glass Transition Temperature of Polymer Films Supported on Polymer Brushes. <i>Macromolecules</i> , 2018, 51, 4451-4461.	2.2	18
45	Preliminary investigation of using a multi-component phase field model to evaluate microstructure of asphalt binders. <i>International Journal of Pavement Engineering</i> , 2017, 18, 775-782.	2.2	13
46	Structure and mechanisms underlying ion transport in ternary polymer electrolytes containing ionic liquids. <i>Journal of Chemical Physics</i> , 2017, 146, 074902.	1.2	45
47	Multiscale Simulations of Lamellar PS-PEO Block Copolymers Doped with LiPF <sub>6</sub> Ions. <i>Macromolecules</i> , 2017, 50, 4542-4554.	2.2	43
48	On the relationship between the local segmental dynamics and the tagged monomer dynamics in lamellar phases of diblock copolymers. <i>Journal of Chemical Physics</i> , 2017, 147, 104901.	1.2	3
49	Influence of side chain linker length on ion-transport properties of polymeric ionic liquids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1718-1723.	2.4	30
50	Effect of Grafting Density of Random Copolymer Brushes on Perpendicular Alignment in PS-PMMA Thin Films. <i>Macromolecules</i> , 2017, 50, 5858-5866.	2.2	26
51	Influence of Dielectric Constant on Ionic Transport in Polyether-Based Electrolytes. <i>ACS Macro Letters</i> , 2017, 6, 1362-1367.	2.3	89
52	Influence of topographically patterned angled guidelines on directed self-assembly of block copolymers. <i>Physical Review E</i> , 2017, 96, 052501.	0.8	3
53	Ion transport mechanisms in lamellar phases of salt-doped PS-PEO block copolymer electrolytes. <i>Soft Matter</i> , 2017, 13, 7793-7803.	1.2	24
54	Influence of molecular weight on ion-transport properties of polymeric ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29134-29145.	1.3	49

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55	Perspective: Outstanding theoretical questions in polymer-nanoparticle hybrids. <i>Journal of Chemical Physics</i> , 2017, 147, 020901.	1.2	154
56	Mechanisms Underlying Ion Transport in Polymerized Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2017, 139, 9511-9514.	6.6	107
57	Design of bicontinuous donor/acceptor morphologies for use as organic solar cell active layers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 884-895.	2.4	10
58	Influence of molecular weight and degree of segregation on local segmental dynamics of ordered block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 859-864.	2.4	31
59	Exploiting the Combined Influence of Morphology and Energy Cascades in Ternary Blend Organic Solar Cells Based on Block Copolymer Additives. <i>Macromolecules</i> , 2016, 49, 5137-5144.	2.2	9
60	Influence of nanoparticle-ion and nanoparticle-polymer interactions on ion transport and viscoelastic properties of polymer electrolytes. <i>Journal of Chemical Physics</i> , 2016, 144, 154905.	1.2	20
61	Computer Simulations of Ion Transport in Polymer Electrolyte Membranes. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 349-371.	3.3	84
62	Noncontinuum effects on the mobility of nanoparticles in unentangled polymer solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2145-2150.	2.4	14
63	Block copolymer compatibilizers for ternary blend polymer bulk heterojunction solar cells – an opportunity for computation aided molecular design. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 353-369.	1.7	18
64	Segmental dynamics in lamellar phases of tapered copolymers. <i>Soft Matter</i> , 2016, 12, 7818-7823.	1.2	17
65	Parallel bulk heterojunction photovoltaics based on all-conjugated block copolymer additives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14804-14813.	5.2	21
66	Influence of nanoparticle surface chemistry on ion transport in polymer nanocomposite electrolytes. <i>Solid State Ionics</i> , 2016, 286, 57-65.	1.3	24
67	Normal Modes and Dielectric Spectra of Diblock Copolymers in Lamellar Phases. <i>Macromolecules</i> , 2016, 49, 2821-2831.	2.2	3
68	Experimental and Modeling Study of Domain Orientation in Confined Block Copolymer Thin Films. <i>Macromolecules</i> , 2016, 49, 308-316.	2.2	34
69	Pair interactions in polyelectrolyte-nanoparticle systems: Influence of dielectric inhomogeneities and the partial dissociation of polymers and nanoparticles. <i>Journal of Chemical Physics</i> , 2015, 143, 164904.	1.2	12
70	Interactions and Aggregation of Charged Nanoparticles in Uncharged Polymer Solutions. <i>Langmuir</i> , 2015, 31, 12328-12338.	1.6	17
71	Achieving Bicontinuous Microemulsion Like Morphologies in Organic Photovoltaics. <i>ACS Macro Letters</i> , 2015, 4, 266-270.	2.3	21
72	Phase Behavior of Binary Blend Consisting of Asymmetric Polystyrene- <i>block</i> -poly(2-vinylpyridine) Copolymer and Asymmetric Deuterated Polystyrene- <i>block</i> -poly(4-hydroxystyrene) Copolymer. <i>Macromolecules</i> , 2015, 48, 1262-1266.	2.2	27

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73	Energy Transfer Directly to Bilayer Interfaces to Improve Exciton Collection in Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19011-19021.	1.5	15
74	Rational Design of Thermally Stable, Bicontinuous Donor/Acceptor Morphologies with Conjugated Block Copolymer Additives. <i>ACS Macro Letters</i> , 2015, 4, 867-871.	2.3	30
75	Effect of Nanoparticles on Ion Transport in Polymer Electrolytes. <i>Macromolecules</i> , 2015, 48, 2773-2786.	2.2	78
76	Directed self assembly of block copolymers using chemical patterns with sidewall guiding lines, backfilled with random copolymer brushes. <i>Soft Matter</i> , 2015, 11, 9107-9114.	1.2	17
77	Multibody Interactions, Phase Behavior, and Clustering in Nanoparticle-Polyelectrolyte Mixtures. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14536-14550.	1.2	24
78	Entanglements in Lamellar Phases of Diblock Copolymers. <i>Macromolecules</i> , 2015, 48, 6321-6328.	2.2	13
79	Effect of the Degree of Hydrogen Bonding on Asymmetric Lamellar Microdomains in Binary Block Copolymer Blends. <i>Macromolecules</i> , 2015, 48, 6347-6352.	2.2	31
80	Aggregation Behavior of Rod-Coil-Rod Triblock Copolymers in a Coil-Selective Solvent. <i>Journal of Physical Chemistry B</i> , 2015, 119, 330-337.	1.2	7
81	Coarse-graining in simulations of multicomponent polymer systems. <i>Journal of Chemical Physics</i> , 2014, 141, 244904.	1.2	22
82	Ordering poly(trimethylsilyl styrene- <i>b</i> - <i>l</i> -lactide) block copolymers in thin films by solvent annealing using a mixture of domain-selective solvents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 36-45.	2.4	25
83	Theory and simulation studies of effective interactions, phase behavior and morphology in polymer nanocomposites. <i>Soft Matter</i> , 2014, 10, 13-38.	1.2	231
84	Influence of Block Copolymer Compatibilizers on the Morphologies of Semiflexible Polymer/Solvent Blends. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4425-4441.	1.2	29
85	Interplay between Depletion and Electrostatic Interactions in Polyelectrolyte-Nanoparticle Systems. <i>Macromolecules</i> , 2014, 47, 6095-6112.	2.2	31
86	Computer Simulations of Dendrimer-Polyelectrolyte Complexes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10297-10310.	1.2	6
87	Improving Energy Relay Dyes for Dye Sensitized Solar Cells by Increasing Donor Homotransfer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14098-14106.	1.5	10
88	Mechanisms Underlying Ionic Mobilities in Nanocomposite Polymer Electrolytes. <i>ACS Macro Letters</i> , 2013, 2, 1001-1005.	2.3	40
89	Efficacy of Different Block Copolymers in Facilitating Microemulsion Phases in Polymer Blend Systems. <i>Macromolecules</i> , 2013, 46, 8334-8344.	2.2	11
90	Complexation between weakly basic dendrimers and linear polyelectrolytes: effects of grafts, chain stiffness, and pOH. <i>Soft Matter</i> , 2013, 9, 6955.	1.2	9

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91	Influence of Hydrogen Bonding Effects on Methanol and Water Diffusivities in Acid-Base Polymer Blend Membranes of Sulfonated Poly(ether ether ketone) and Base Tethered Polysulfone. Journal of Physical Chemistry B, 2013, 117, 5315-5329.	1.2	17
92	Effect of confinement on polymer-induced depletion interactions between nanoparticles. Journal of Chemical Physics, 2013, 138, 234905.	1.2	15
93	Interactions between Grafted Cationic Dendrimers and Anionic Bilayer Membranes. Journal of Physical Chemistry B, 2013, 117, 9806-9820.	1.2	11
94	Effect of the Side-Chain Distribution Density on the Single-Conjugated Polymer Chain Conformation. ChemPhysChem, 2013, 14, 4143-4148.	1.0	28
95	A kinetic Monte Carlo model with improved charge injection model for the photocurrent characteristics of organic solar cells. Journal of Applied Physics, 2013, 113, .	1.1	20
96	Fluctuation effects on the order-disorder transition in polydisperse copolymer melts. Journal of Chemical Physics, 2013, 139, 214905.	1.2	23
97	Comment on "Tail State-Assisted Charge Injection and Recombination at the Electron-Collecting Interface of P3HT:PCBM Bulk-Heterojunction Polymer Solar Cells". Advanced Energy Materials, 2013, 3, 1537-1538.	10.2	3
98	Communication: Self-assembly of semiflexible-flexible block copolymers. Journal of Chemical Physics, 2012, 136, .	1.2	49
99	Phase behavior of gradient copolymer solutions: a Monte Carlo simulation study. Soft Matter, 2012, 8, 6471.	1.2	24
100	Highly Asymmetric Lamellar Nanopatterns <i>via</i> Block Copolymer Blends Capable of Hydrogen Bonding. ACS Nano, 2012, 6, 7966-7972.	7.3	65
101	Blockiness and Sequence Polydispersity Effects on the Phase Behavior and Interfacial Properties of Gradient Copolymers. Macromolecules, 2012, 45, 6281-6297.	2.2	43
102	Computer Simulations of Gas Diffusion in Polystyrene-C <sub>60</sub> Fullerene Nanocomposites Using Trajectory Extending Kinetic Monte Carlo Method. Journal of Physical Chemistry B, 2012, 116, 95-103.	1.2	24
103	Curvature Modification of Block Copolymer Microdomains Using Blends of Block Copolymers with Hydrogen Bonding Interactions. Macromolecules, 2012, 45, 8729-8742.	2.2	26
104	Conjugation of polybasic dendrimers with neutral grafts: effect on conformation and encapsulation of acidic drugs. Soft Matter, 2012, 8, 11817.	1.2	13
105	Mechanisms Underlying Ion Transport in Lamellar Block Copolymer Membranes. ACS Macro Letters, 2012, 1, 513-518.	2.3	64
106	Tail State-Assisted Charge Injection and Recombination at the Electron-Collecting Interface of P3HT:PCBM Bulk-Heterojunction Polymer Solar Cells. Advanced Energy Materials, 2012, 2, 1447-1455.	10.2	24
107	Regioregularity and Single Polythiophene Chain Conformation. Journal of Physical Chemistry Letters, 2011, 2, 1400-1404.	2.1	104
108	Coarse-Grained Simulations of Penetrant Transport in Polymer Nanocomposites. Macromolecules, 2011, 44, 9839-9851.	2.2	19

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109	Self-Assembly of Diblock Copolymer on Substrates Modified by Random Copolymer Brushes. <i>Macromolecules</i> , 2011, 44, 9867-9881.	2.2	16
110	Phase Behavior of Binary Blends of Block Copolymers Having Hydrogen Bonding. <i>Macromolecules</i> , 2011, 44, 4970-4976.	2.2	43
111	Surface Energies and Self-Assembly of Block Copolymers on Grafted Surfaces. <i>Physical Review Letters</i> , 2011, 107, 148304.	2.9	20
112	Mean field theory of charged dendrimer molecules. <i>Journal of Chemical Physics</i> , 2011, 135, 204902.	1.2	13
113	Interfacial properties of statistical copolymer brushes in contact with homopolymer melts. <i>Journal of Chemical Physics</i> , 2011, 134, 154903.	1.2	18
114	Modeling viscoelastic properties of triblock copolymers: A DPD simulation study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 15-25.	2.4	40
115	Structural signatures of mobility on intermediate time scales in a supercooled fluid. <i>Journal of Chemical Physics</i> , 2010, 132, .	1.2	15
116	Curvature effects upon interactions of polymer-grafted nanoparticles in chemically identical polymer matrices. <i>Journal of Chemical Physics</i> , 2010, 133, 154904.	1.2	109
117	Many-body interactions and coarse-grained simulations of structure of nanoparticle-polymer melt mixtures. <i>Journal of Chemical Physics</i> , 2010, 133, 144904.	1.2	28
118	A Comparison of the Dynamical Relaxations in a Model for Glass Transition in Polymer Nanocomposites and Polymer Thin Films. <i>Macromolecules</i> , 2010, 43, 5851-5862.	2.2	23
119	Glass Transition Behavior of PS Films on Grafted PS Substrates. <i>Macromolecules</i> , 2010, 43, 9892-9898.	2.2	38
120	Correlations between Morphologies and Photovoltaic Properties of Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2010, 43, 543-552.	2.2	68
121	Atomistic Simulations of Structure of Solvated Sulfonated Poly(ether ether ketone) Membranes and Their Comparisons to Nafion: II. Structure and Transport Properties of Water, Hydronium Ions, and Methanol. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8367-8373.	1.2	35
122	Highly Ordered Single Conjugated Polymer Chain Rod Morphologies. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20896-20902.	1.5	69
123	Mean-field models of structure and dispersion of polymer-nanoparticle mixtures. <i>Soft Matter</i> , 2010, 6, 4010.	1.2	109
124	Effect of anisotropic charge transport on device characteristics of polymer solar cells. <i>Applied Physics Letters</i> , 2009, 95, 194101.	1.5	11
125	RELATIONSHIP BETWEEN SHEAR VISCOSITY AND STRUCTURE OF A MODEL COLLOIDAL SUSPENSION. <i>Chemical Engineering Communications</i> , 2009, 197, 63-75.	1.5	6
126	Interactions between polymer-grafted particles and bare particles for biocompatibility applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2566-2577.	2.4	21



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127	Anisotropic self-assembly of spherical polymer-grafted nanoparticles. <i>Nature Materials</i> , 2009, 8, 354-359.	13.3	925
128	Dewetting of PMMA on PS $\alpha$ -Brush Substrates. <i>Macromolecules</i> , 2009, 42, 7919-7923.	2.2	41
129	Evaluating the Role of Additive pKa on the Proton Conductivities of Blended Sulfonated Poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	15
130	Influence of interfacial layers upon the barrier properties of polymer nanocomposites. <i>Journal of Chemical Physics</i> , 2009, 130, 104901.	1.2	22
131	Modeling the anisotropic self-assembly of spherical polymer-grafted nanoparticles. <i>Journal of Chemical Physics</i> , 2009, 131, 221102.	1.2	111
132	Structure of Aggregating Rod Suspensions Under Combined Shear and Electric Fields. <i>Macromolecules</i> , 2009, 42, 7184-7193.	2.2	6
133	Some issues in polymer nanocomposites: Theoretical and modeling opportunities for polymer physics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2666-2671.	2.4	37
134	Relation between Glass Transition Temperatures in Polymer Nanocomposites and Polymer Thin Films. <i>Physical Review Letters</i> , 2008, 101, 075702.	2.9	66
135	Screening of hydrodynamic interactions in Brownian rod suspensions. <i>Journal of Chemical Physics</i> , 2008, 128, 134901.	1.2	30
136	A Model for Self-Assembly in Side Chain Liquid Crystalline Block Copolymers. <i>Macromolecules</i> , 2008, 41, 218-229.	2.2	53
137	Universalization of the Phase Diagram for a Model Rod $\alpha$ -Coil Diblock Copolymer. <i>Macromolecules</i> , 2008, 41, 6809-6817.	2.2	99
138	Dynamics of Probe Diffusion in Rod Solutions. <i>Physical Review Letters</i> , 2008, 100, 128302.	2.9	23
139	Equilibrium characteristics of semiflexible polymer solutions near probe particles. <i>Physical Review E</i> , 2008, 78, 051804.	0.8	28
140	Domain Size Control in Self-Assembling Rod $\alpha$ -Coil Block Copolymer and Homopolymer Blends. <i>Macromolecules</i> , 2007, 40, 3320-3327.	2.2	30
141	Instabilities in Block Copolymer Films Induced by Compressible Solvents. <i>Journal of Physical Chemistry B</i> , 2007, 111, 402-407.	1.2	2
142	Origin of Dynamical Properties in PMMA $\alpha$ -C60 Nanocomposites. <i>Macromolecules</i> , 2007, 40, 5424-5432.	2.2	106
143	Dispersion and Percolation Transitions of Nanorods in Polymer Solutions. <i>Macromolecules</i> , 2007, 40, 344-354.	2.2	58
144	Origins of Linear Viscoelastic Behavior of Polymer $\alpha$ -Nanoparticle Composites. <i>Macromolecules</i> , 2006, 39, 844-856.	2.2	158

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145	Model for the free-volume distributions of equilibrium fluids. <i>Journal of Chemical Physics</i> , 2006, 124, 214502.	1.2	15
146	Noncontinuum effects in nanoparticle dynamics in polymers. <i>Journal of Chemical Physics</i> , 2006, 124, 221102.	1.2	74
147	Free Volumes and the Anomalous Self-Diffusivity of Attractive Colloids. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5166-5169.	1.2	8
148	Strong Segregation Theory of Block Copolymer-Nanoparticle Composites. <i>Macromolecules</i> , 2006, 39, 8499-8510.	2.2	87
149	Nanoparticles in Solutions of Adsorbing Polymers: Pair Interactions, Percolation, and Phase Behavior. <i>Langmuir</i> , 2006, 22, 969-981.	1.6	72
150	Polymer-bridged gels of nanoparticles in solutions of adsorbing polymers. <i>Journal of Chemical Physics</i> , 2006, 125, 064903.	1.2	58
151	Universality in Structure and Elasticity of Polymer-Nanoparticle Gels. <i>Physical Review Letters</i> , 2006, 96, 177805.	2.9	77
152	A coarse-grained explicit solvent simulation of rheology of colloidal suspensions. <i>Journal of Chemical Physics</i> , 2005, 122, 104906.	1.2	60
153	Depletion and pair interactions of proteins in polymer solutions. <i>Journal of Chemical Physics</i> , 2005, 122, 154901.	1.2	50
154	Self-assembly of rod-coil block copolymers. <i>Journal of Chemical Physics</i> , 2004, 120, 5824-5838.	1.2	203
155	Translocation of a $\beta$ -hairpin-forming peptide through a cylindrical tunnel. <i>Journal of Chemical Physics</i> , 2004, 121, 10268-10277.	1.2	50
156	Interfacial Phenomena in Polymer Blends: A Self-Consistent Brownian Dynamics Study. <i>Macromolecules</i> , 2004, 37, 10180-10194.	2.2	45
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