

Ramanan Krishnamoorti

List of Publications by Year in descending order

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174
papers

12,871
citations

20817

60
h-index

24258

110
g-index

176
all docs

176
docs citations

176
times ranked

9762
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Dynamics of Polymer-Layered Silicate Nanocomposites. <i>Chemistry of Materials</i> , 1996, 8, 1728-1734.	6.7	864
2	Rheology of End-Tethered Polymer Layered Silicate Nanocomposites. <i>Macromolecules</i> , 1997, 30, 4097-4102.	4.8	742
3	Dispersion of Functionalized Carbon Nanotubes in Polystyrene. <i>Macromolecules</i> , 2002, 35, 8825-8830.	4.8	579
4	Linear Viscoelasticity of Disordered Polystyrene- <i>b</i> -Polyisoprene Block Copolymer Based Layered-Silicate Nanocomposites. <i>Macromolecules</i> , 2000, 33, 3739-3746.	4.8	520
5	Nanocomposites: Structure, Phase Behavior, and Properties. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2010, 1, 37-58.	6.8	424
6	Small-Angle Neutron Scattering from Surfactant-Assisted Aqueous Dispersions of Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 9902-9903.	13.7	395
7	Rheology of polymer layered silicate nanocomposites. <i>Current Opinion in Colloid and Interface Science</i> , 2001, 6, 464-470.	7.4	331
8	Self-Assembly of Alkylammonium Chains on Montmorillonite: Effect of Chain Length, Head Group Structure, and Cation Exchange Capacity. <i>Chemistry of Materials</i> , 2007, 19, 59-68.	6.7	248
9	Temperature dependence of polymer crystalline morphology in nylon 6/montmorillonite nanocomposites. <i>Polymer</i> , 2001, 42, 09975-09985.	3.8	234
10	Polymer nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3252-3256.	2.1	226
11	Shear response of layered silicate nanocomposites. <i>Journal of Chemical Physics</i> , 2001, 114, 4968-4973.	3.0	222
12	Strategies for Dispersing Nanoparticles in Polymers. <i>MRS Bulletin</i> , 2007, 32, 341-347.	3.5	221
13	Injectable Nanocomposites of Single-Walled Carbon Nanotubes and Biodegradable Polymers for Bone Tissue Engineering. <i>Biomacromolecules</i> , 2006, 7, 2237-2242.	5.4	175
14	Single-Walled Carbon Nanotube Dispersions in Poly(ethylene oxide). <i>Advanced Functional Materials</i> , 2005, 15, 1832-1838.	14.9	173
15	Conformations and Structures of Poly(oxyethylene) Melts from Molecular Dynamics Simulations and Small-Angle Neutron Scattering Experiments. <i>Macromolecules</i> , 1996, 29, 3462-3469.	4.8	165
16	Nonlinear Viscoelastic Properties of Layered-Silicate-Based Intercalated Nanocomposites. <i>Macromolecules</i> , 2003, 36, 4443-4451.	4.8	165
17	Intercalation Kinetics of Long Polymers in 2 nm Confinements. <i>Macromolecules</i> , 2000, 33, 7955-7966.	4.8	162
18	Thermodynamic interactions in model polyolefin blends obtained by small-angle neutron scattering. <i>Macromolecules</i> , 1992, 25, 6137-6147.	4.8	157

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19	Understanding surfactant aided aqueous dispersion of multi-walled carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 144-151.	9.4	150
20	Glass transition of polymer/single-walled carbon nanotube composite films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 3339-3345.	2.1	148
21	Isothermal Crystallization of Nylon-6/Montmorillonite Nanocomposites. <i>Macromolecules</i> , 2004, 37, 4554-4561.	4.8	147
22	Small Angle Neutron Scattering Investigations of Melt Miscibility and Phase Segregation in Blends of Linear and Branched Polyethylenes as a Function of the Branch Content. <i>Macromolecules</i> , 1997, 30, 561-566.	4.8	143
23	Partitioning of Nonsteroidal Antiinflammatory Drugs in Lipid Membranes: A Molecular Dynamics Simulation Study. <i>Biophysical Journal</i> , 2010, 98, 586-595.	0.5	139
24	Disorientation Kinetics of Aligned Polymer Layered Silicate Nanocomposites. <i>Macromolecules</i> , 2003, 36, 4188-4194.	4.8	136
25	Structure and dynamics of carbon black-filled elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 256-275.	2.1	134
26	Structural Origin of Thermodynamic Interactions in Blends of Saturated Hydrocarbon Polymers. <i>Macromolecules</i> , 1994, 27, 3073-3081.	4.8	132
27	Regular and Irregular Mixing in Blends of Saturated Hydrocarbon Polymers. <i>Macromolecules</i> , 1995, 28, 1260-1270.	4.8	130
28	Evolution of Microstructure during Shear Alignment in a Polystyrene-Polyisoprene Lamellar Diblock Copolymer. <i>Macromolecules</i> , 1995, 28, 4464-4474.	4.8	120
29	Elastic modulus of single-walled carbon nanotube/poly(methyl methacrylate) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2286-2293.	2.1	120
30	Dispersion of Single-Walled Carbon Nanotubes in Poly(μ -caprolactone). <i>Macromolecules</i> , 2007, 40, 1538-1545.	4.8	118
31	Influence of Layered Silicates on the Phase-Separated Morphology of PS \sim PVME Blends. <i>Macromolecules</i> , 2003, 36, 7256-7267.	4.8	116
32	Rheological behaviour and mechanical characterization of injectable poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (fuma 2005, 16, S531-S538.	2.6	109
33	Anomalous mixing behavior of polyisobutylene with other polyolefins. <i>Macromolecules</i> , 1995, 28, 1252-1259.	4.8	108
34	Thermodynamics of Mixing for Blends of Model Ethylene-Butene Copolymers. <i>Macromolecules</i> , 1994, 27, 3896-3901.	4.8	103
35	Technology Tomorrow: Extracting the Benefits of Nanotechnology for the Oil Industry. <i>JPT, Journal of Petroleum Technology</i> , 2006, 58, 24-26.	0.2	98
36	Large-scale self-assembled zirconium phosphate smectic layers via a simple spray-coating process. <i>Nature Communications</i> , 2014, 5, 3589.	12.8	97

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37	Insight into NSAID-induced membrane alterations, pathogenesis and therapeutics: Characterization of interaction of NSAIDs with phosphatidylcholine. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 994-1002.	2.4	95
38	Effect of deuterium substitution on thermodynamic interactions in polymer blends. <i>Macromolecules</i> , 1993, 26, 1137-1143.	4.8	94
39	Non-isothermal crystallization of in situ polymerized poly(μ -caprolactone) functionalized-SWNT nanocomposites. <i>Polymer</i> , 2005, 46, 8796-8804.	3.8	94
40	Pure Component Properties and Mixing Behavior in Polyolefin Blends. <i>Macromolecules</i> , 1996, 29, 367-376.	4.8	93
41	Dynamics of Shear Alignment in a Lamellar Diblock Copolymer: Interplay of Frequency, Strain Amplitude, and Temperature. <i>Macromolecules</i> , 1996, 29, 875-884.	4.8	92
42	Mechanical response and rheological properties of polycarbonate layered-silicate nanocomposites. <i>Polymer Engineering and Science</i> , 2004, 44, 825-837.	3.1	91
43	Rheology of polymer carbon nanotubes composites. <i>Soft Matter</i> , 2013, 9, 9515.	2.7	90
44	Diffusive Dynamics of Nanoparticles in Arrays of Nanoposts. <i>ACS Nano</i> , 2013, 7, 5122-5130.	14.6	89
45	Polymer-Functionalized Nanoparticles for Improving Waterflood Sweep Efficiency: Characterization and Transport Properties. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13030-13036.	3.7	80
46	Phase Behavior of Highly Immiscible Polymer Blends Stabilized by a Balanced Block Copolymer Surfactant. <i>Macromolecules</i> , 2003, 36, 6537-6548.	4.8	75
47	Melt Chain Dimensions of Poly(ethylene- α -1-butene) Copolymers via Small Angle Neutron Scattering. <i>Macromolecules</i> , 1997, 30, 4973-4977.	4.8	74
48	Phase Behavior of PS- α -PVME Nanocomposites. <i>Macromolecules</i> , 2004, 37, 507-515.	4.8	73
49	Tailored Nanocomposites of Polypropylene with Layered Silicates. <i>Macromolecules</i> , 2009, 42, 3795-3803.	4.8	73
50	Wetting- α -Dewetting and Dispersion- α -Aggregation Transitions Are Distinct for Polymer Grafted Nanoparticles in Chemically Dissimilar Polymer Matrix. <i>Journal of the American Chemical Society</i> , 2015, 137, 10624-10631.	13.7	73
51	The compositional dependence of thermodynamic interactions in blends of model polyolefins. <i>Journal of Chemical Physics</i> , 1994, 100, 3894-3904.	3.0	70
52	Rheological properties of diblock copolymer/layered-silicate nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1434-1443.	2.1	70
53	Structure of Polymer Tethered Highly Grafted Nanoparticles. <i>Macromolecules</i> , 2011, 44, 8129-8135.	4.8	69
54	Effect of pH and Ibuprofen on the Phospholipid Bilayer Bending Modulus. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8061-8066.	2.6	67

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55	Size-Dependent Dynamics of Nanoparticles in Unentangled Polyelectrolyte Solutions. ACS Macro Letters, 2015, 4, 1169-1173.	4.8	67
56	Structural Association of Nonsteroidal Anti-Inflammatory Drugs with Lipid Membranes. Journal of the American Chemical Society, 2012, 134, 19669-19676.	13.7	65
57	Strain Hardening in Model Polymer Brushes under Shear. Langmuir, 2001, 17, 1448-1452.	3.5	62
58	Steady Shear Response of Carbon Nanotube Networks Dispersed in Poly(ethylene oxide). Macromolecules, 2008, 41, 5333-5338.	4.8	62
59	Simulation insights on the structure of nanoscopically confined poly(ethylene oxide). Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 3285-3298.	2.1	61
60	Viscoelastic properties of silica-grafted poly(styrene-acrylonitrile) nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2014-2023.	2.1	60
61	Dynamic consequences of the fractal network of nanotube-poly(ethylene oxide) nanocomposites. Physical Review E, 2007, 75, 050403.	2.1	60
62	Segmental Dynamics of Head-to-Head Polypropylene and Polyisobutylene in Their Blend and Pure Components. Macromolecules, 2005, 38, 7721-7729.	4.8	58
63	Small-angle neutron scattering by partially deuterated polymers and their blends. Journal of Chemical Physics, 1994, 100, 3905-3910.	3.0	57
64	Hierarchical Polymer-Nanotube Composites. Advanced Materials, 2007, 19, 3850-3853.	21.0	57
65	Templating of cylindrical and spherical block copolymer microdomains by layered silicates. Journal of Chemical Physics, 2001, 115, 7166-7174.	3.0	53
66	Deuteration Effects and Solubility Parameter Ordering in Blends of Saturated Hydrocarbon Polymers. Macromolecules, 1994, 27, 2574-2579.	4.8	52
67	Component Dynamics in Miscible Blends: Equally and Unequally Entangled Polyisoprene/Polyvinylethylene. Macromolecules, 1997, 30, 1127-1137.	4.8	52
68	The role of interfacial interactions in the dynamic mechanical response of functionalized SWNT-PS nanocomposites. Polymer, 2007, 48, 3540-3545.	3.8	52
69	Hierarchical Structure of Carbon Nanotube Networks. Journal of the American Chemical Society, 2008, 130, 6934-6935.	13.7	52
70	Thermoset Blends of an Epoxy Resin and Polydicyclopentadiene. Macromolecules, 2016, 49, 8960-8970.	4.8	51
71	Thermodynamic interactions and correlations in mixtures of two homopolymers and a block copolymer by small angle neutron scattering. Journal of Chemical Physics, 1993, 99, 10011-10020.	3.0	50
72	Small-Angle Neutron Scattering Study of a Cylinder-to-Sphere Order-Order Transition in Block Copolymers. Macromolecules, 2000, 33, 3803-3809.	4.8	50

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73	Chlorophenyl pendant decorated graphene sheet as a potential antimicrobial agent: synthesis and characterization. <i>Journal of Materials Chemistry</i> , 2012, 22, 22481.	6.7	50
74	Dispersion of Functionalized Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20861-20868.	3.1	49
75	Anomalous Attractive Interactions in Polypropylene Blends. <i>Macromolecules</i> , 1997, 30, 3036-3041.	4.8	48
76	Role of Strain in Controlling Lamellar Orientation during Flow Alignment of Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 1359-1362.	4.8	47
77	Effect of silicate layer anisotropy on cylindrical and spherical microdomain ordering in block copolymer nanocomposites. <i>Journal of Chemical Physics</i> , 2001, 115, 7175-7181.	3.0	47
78	Structure and melt rheology of polystyrene-based layered silicate nanocomposites. <i>Nanotechnology</i> , 2005, 16, S514-S521.	2.6	46
79	Mobility of Nanoparticles in Semidilute Polyelectrolyte Solutions. <i>Macromolecules</i> , 2014, 47, 5328-5333.	4.8	46
80	Pathway and Kinetics of Cylinder-to-Sphere Order-Order Transition in Block Copolymers. <i>Macromolecules</i> , 2000, 33, 3810-3817.	4.8	45
81	Thermodynamics and Phase Behavior of Block Copolymer/Homopolymer Blends with Attractive and Repulsive Interactions. <i>Macromolecules</i> , 2002, 35, 7748-7757.	4.8	45
82	Facile Method of Controlling Monomer Sequence Distributions in Random Copolymers. <i>Advanced Materials</i> , 2007, 19, 2877-2883.	21.0	45
83	Melt-state polymer chain dimensions as a function of temperature. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1768-1776.	2.1	44
84	Morphological Behavior of Thin Linear Low-Density Polyethylene Films. <i>Macromolecules</i> , 2008, 41, 7131-7140.	4.8	44
85	Poly(ethylene oxide) crystallization in single walled carbon nanotube based nanocomposites: Kinetics and structural consequences. <i>Polymer</i> , 2011, 52, 4938-4946.	3.8	41
86	Diffusive dynamics of nanoparticles in aqueous dispersions. <i>Soft Matter</i> , 2012, 8, 11933.	2.7	41
87	Structure and Band-Gap Design of a New Series of Light-Emitting Poly(cyanofluorene-alt-o/m/p-phenylenevinylene)-Based Copolymers for Light-Emitting Diodes. <i>Macromolecules</i> , 2006, 39, 3848-3854.	4.8	40
88	Shear-induced orientation in polymer/clay dispersions via in situ X-ray scattering. <i>Polymer</i> , 2010, 51, 4916-4927.	3.8	38
89	Synthesis and characterization of bi-functionalized graphene and expanded graphite using n-butyl lithium and their use for efficient water soluble dye adsorption. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8144.	10.3	38
90	Concurrent curing kinetics of an anhydride-cured epoxy resin and polydicyclopentadiene. <i>Polymer</i> , 2015, 69, 204-214.	3.8	38

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91	Nanoparticle diffusion in crowded and confined media. <i>Soft Matter</i> , 2016, 12, 8407-8416.	2.7	38
92	Small-Angle Neutron Scattering Studies of Phospholipid-NSAID Adducts. <i>Langmuir</i> , 2010, 26, 5734-5745.	3.5	37
93	Scratch behavior of epoxy coating containing self-assembled zirconium phosphate smectic layers. <i>Polymer</i> , 2017, 112, 252-263.	3.8	37
94	Thermodynamic Interactions in Multicomponent Polymer Blends. <i>Macromolecules</i> , 1996, 29, 661-669.	4.8	36
95	Viscoelastic Characterization of an Order-Order Transition in a Mixture of Di- and Triblock Copolymers. <i>Macromolecules</i> , 1999, 32, 4088-4097.	4.8	36
96	Structure and Dynamics of Interacting Nanoparticles in Semidilute Polymer Solutions. <i>Macromolecules</i> , 2016, 49, 6568-6577.	4.8	36
97	Graphene Nanocomposites with High Molecular Weight Poly(μ -caprolactone) Grafts: Controlled Synthesis and Accelerated Crystallization. <i>ACS Macro Letters</i> , 2016, 5, 278-282.	4.8	36
98	Transport and Dispersion of Nanoparticles in Periodic Nanopost Arrays. <i>ACS Nano</i> , 2014, 8, 4221-4227.	14.6	35
99	Mechanical Reinforcement of Epoxy with Self-Assembled Synthetic Clay in Smectic Order. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10188-10195.	8.0	35
100	Combinatorial methods for polymer materials science: Phase behavior of nanocomposite blend films. <i>Polymer Engineering and Science</i> , 2002, 42, 1836-1840.	3.1	34
101	A surfactant dispersed SWCNT-polystyrene composite characterized for electrical and mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 842-849.	7.6	34
102	Diffusive dynamics of nanoparticles in ultra-confined media. <i>Soft Matter</i> , 2015, 11, 7515-7524.	2.7	34
103	Controlled Synthesis of Nitrogen-Doped Graphene from a Heteroatom Polymer and Its Mechanism of Formation. <i>Chemistry of Materials</i> , 2015, 27, 716-725.	6.7	33
104	Designing Balanced Surfactants for Mixtures of Immiscible Polymers. <i>Macromolecules</i> , 2001, 34, 6557-6560.	4.8	31
105	pH-Induced Re-entrant Microstructural Transitions in Cationic Surfactant-Hydrotrope Mixtures. <i>Langmuir</i> , 2016, 32, 655-663.	3.5	31
106	Ordering Kinetics and Alignment of Block Copolymer Lamellae under Shear Flow. <i>Macromolecules</i> , 1999, 32, 3695-3711.	4.8	30
107	Viscoelastic and Dielectric Behavior of a Polyisoprene/Poly(4-tert-butyl styrene) Miscible Blend. <i>Macromolecules</i> , 2007, 40, 5389-5399.	4.8	27
108	Thermal mismatch strains in sidewall functionalized carbon nanotube/polystyrene nanocomposites. <i>Journal of Chemical Physics</i> , 2005, 122, 124708.	3.0	26

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109	Polymer Nanocomposites: Introduction. ACS Symposium Series, 2001, , 1-5.	0.5	25
110	Confined Dynamics of Grafted Polymer Chains in Solutions of Linear Polymer. <i>Macromolecules</i> , 2017, 50, 7372-7379.	4.8	23
111	Thermodynamic interactions in blends of poly(4-tert-butyl styrene) and polyisoprene by small-angle neutron scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3204-3217.	2.1	22
112	Rheology and processing of polymer nanocomposites. <i>Reviews in Chemical Engineering</i> , 2010, 26, .	4.4	22
113	Nanoparticle dispersion in disordered porous media with and without polymer additives. <i>Soft Matter</i> , 2016, 12, 5676-5683.	2.7	22
114	Conducting Instant Adhesives by Grafting of Silane Polymer onto Expanded Graphite. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16097-16105.	8.0	21
115	Interfacial Activity of Poly[oligo(ethylene oxide)â€“monomethyl ether methacrylate]-Grafted Silica Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3648-3656.	3.7	21
116	Thermal and Rheological Analysis of Polystyrene-Grafted Silica Nanocomposites. <i>Macromolecules</i> , 2020, 53, 2123-2135.	4.8	21
117	Technological Options for Direct Air Capture: A Comparative Process Engineering Review. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2022, 13, 279-300.	6.8	21
118	Some light on the concept of unreactivity arising from active center association in anionic polymerizations. <i>Polymer International</i> , 1994, 33, 217-231.	3.1	20
119	Use of DMF as Solvent Allows for the Facile Synthesis of Soluble MEHâˆ“PPV. <i>Macromolecules</i> , 2004, 37, 8883-8887.	4.8	20
120	Oriented Single-Walled Carbon Nanotubesâ€“Poly(ethylene oxide) Nanocomposites. <i>Macromolecules</i> , 2012, 45, 9357-9363.	4.8	19
121	Viscoelasticity and diffusion in miscible blends of saturated hydrocarbon polymers. <i>Rheologica Acta</i> , 1997, 36, 217-228.	2.4	18
122	Effect of Laponite and a Nonionic Polymer on the Absorption Character of Cationic Dye Solutions. <i>Langmuir</i> , 2005, 21, 5825-5830.	3.5	18
123	Linear Viscoelasticity of Spherical SiO ₂ Nanoparticle-Tethered Poly(butyl acrylate) Hybrids. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11985-11990.	3.7	18
124	Particle dispersion in porous media: Differentiating effects of geometry and fluid rheology. <i>Physical Review E</i> , 2017, 96, 022610.	2.1	18
125	Tunable Assembly of Gold Nanorods in Polymer Solutions To Generate Controlled Nanostructured Materials. <i>ACS Applied Nano Materials</i> , 2018, 1, 877-885.	5.0	18
126	Soft Interactions Modify the Diffusive Dynamics of Polymer-Grafted Nanoparticles in Solutions of Free Polymer. <i>ACS Macro Letters</i> , 2019, 8, 917-922.	4.8	18

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127	Measurement of Thermodynamic Interactions in Ternary Polymer Blends by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 1997, 30, 3363-3368.	4.8	17
128	Kinetic Polymer Arrest in Percolated SWNT Networks. <i>ACS Macro Letters</i> , 2014, 3, 1262-1265.	4.8	16
129	Stress Generation and Tailoring of Electronic Properties of Expanded Graphite by Click Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7244-7253.	8.0	16
130	Effect of Saturation on Thermodynamics of Polystyrene-Polyisoprene Block Copolymers. <i>Macromolecules</i> , 1994, 27, 1216-1220.	4.8	15
131	Fast Sol-Gel Preparation of Silicon Carbide-Silicon Oxycarbide Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4444-4452.	3.8	14
132	Bond behavior of epoxy resin-polydicyclopentadiene phase separated interpenetrating networks for adhering carbon fiber reinforced polymer to steel. <i>Polymer Engineering and Science</i> , 2020, 60, 104-112.	3.1	14
133	Thermodynamic Interactions in a Model Polydiene/Polyolefin Blend Based on 1,2-Polybutadiene. <i>Macromolecules</i> , 2018, 51, 3107-3115.	4.8	13
134	Structure Dominates Localization of Tracers within Aging Nanoparticle Glasses. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1784-1789.	4.6	13
135	Thermodynamic Interactions in Polybutadiene Blends. <i>Macromolecules</i> , 1998, 31, 2312-2316.	4.8	12
136	Structure of block copolymer grafted silica nanoparticles. <i>Polymer</i> , 2018, 159, 138-145.	3.8	12
137	Properties of single-walled carbon nanotube-based poly(phenylene vinylene) electroluminescent nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 272-279.	2.1	11
138	Nanostructured Thermoset/Thermoset Blends Compatibilized with an Amphiphilic Block Copolymer. <i>Macromolecules</i> , 2019, 52, 3104-3114.	4.8	11
139	Advancing carbon management through the global commoditization of CO ₂ : the case for dual-use LNG-CO ₂ shipping. <i>Carbon Management</i> , 2020, 11, 611-630.	2.4	11
140	I Don't Want to Go Back. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, 953-958.	1.7	11
141	Dynamics of Disordered Diblocks of Polyisoprene and Polyvinylethylene. <i>Macromolecules</i> , 1997, 30, 1138-1145.	4.8	10
142	Miscibility of Blends of Saturated Hydrocarbon Elastomers. <i>Rubber Chemistry and Technology</i> , 1999, 72, 569-579.	1.2	10
143	Physical properties of isobutylene based block copolymers. <i>Polymer Engineering and Science</i> , 2000, 40, 2182-2193.	3.1	10
144	Dynamics of Block Copolymer Micelles. <i>Macromolecules</i> , 2002, 35, 4075-4083.	4.8	10

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145	Near-superhydrophobic behavior of multi-walled carbon nanotube thin films. <i>Thin Solid Films</i> , 2012, 520, 4332-4338.	1.8	10
146	Butyl lithium assisted direct grafting of polyoligomeric silsesquioxane onto graphene. <i>RSC Advances</i> , 2014, 4, 8649.	3.6	10
147	Flash DSC crystallization study for blown film grade bimodal HDPE resins. I. Isothermal kinetics and its application of the blown film modeling. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2425-2431.	2.1	10
148	Effect of Nonuniform Deuterium Labeling on Small-Angle Neutron Scattering Results for Polymer Blends. <i>Macromolecules</i> , 1995, 28, 8862-8864.	4.8	9
149	Thermodynamic Interactions in Blends of Polydienes. <i>Rubber Chemistry and Technology</i> , 1999, 72, 580-586.	1.2	9
150	Polymer Precursor-Based Preparation of Carbon Nanotube-Silicon Carbide Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2012, 95, 328-337.	3.8	9
151	Flash DSC crystallization study of blown film grade bimodal high density polyethylene (HDPE) resins. Part 2. Non-isothermal kinetics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1822-1827.	2.1	9
152	Effect of Pressure on a Multicomponent A/B/C Polymer Blend with Attractive and Repulsive Interactions. <i>Macromolecules</i> , 2007, 40, 355-365.	4.8	8
153	Opportunities for a Low Carbon Transition-Deploying Carbon Capture, Utilization, and Storage in Northeast India. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	8
154	Conformational change and suppression of the T_g -temperature for solutions of polymer-grafted nanoparticles. <i>Soft Matter</i> , 2018, 14, 6102-6108.	2.7	7
155	Influence of Layered-Silicates on the Rheological Properties of Diblock Copolymer Nanocomposites. <i>ACS Symposium Series</i> , 2001, , 159-175.	0.5	6
156	Shear thinning behavior of heavy oil samples: Laboratory measurements and modeling. , 2008, , .		6
157	Effect of organically modified layered silicates on the morphology of symmetrical blends of polystyrene and poly(methyl methacrylate). <i>Polymer</i> , 2011, 52, 5890-5896.	3.8	5
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