Curtis W Frank

List of Publications by Year
in descending order

146 papers	8,213 citations	41344 49 h-index	48315 88 g-index
148 all docs	148 docs citations	148 times ranked	9220 citing authors

#	Article	IF	Citations
1	A General Approach for Monolayer Adsorption of High Weight Loadings of Uniform Nanocrystals on Oxide Supports. Angewandte Chemie - International Edition, 2021, 60, 7971-7979.	13.8	6
2	A General Approach for Monolayer Adsorption of High Weight Loadings of Uniform Nanocrystals on Oxide Supports. Angewandte Chemie, 2021, 133, 8050-8058.	2.0	2
3	Effect of Increased Ionic Liquid Uptake via Thermal Annealing on Mechanical Properties of Polyimide-Poly(ethylene glycol) Segmented Block Copolymer Membranes. Molecules, 2021, 26, 2143.	3.8	2
4	Influence of Mixed Imide Composition and Thermal Annealing on Ionic Liquid Uptake and Conductivity of Polyimide-Poly(ethylene glycol) Segmented Block Copolymer Membranes. Molecules, 2021, 26, 7450.	3.8	2
5	Surface Characteristics of Poly(alkyl methacrylate)s from Molecular Dynamics Simulations Using Allâ€Atom Force Field. Macromolecular Rapid Communications, 2021, , 2100614.	3.9	0
6	Comparison of nanocrystalline cellulose dispersion versus surface nucleation in poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) crystallization. SPE Polymers, 2020, 1, 15-25.	3.3	1
7	Nanoscale Spatial Distribution of Supported Nanoparticles Controls Activity and Stability in Powder Catalysts for CO Oxidation and Photocatalytic H₂ Evolution. Journal of the American Chemical Society, 2020, 142, 14481-14494.	13.7	25
8	Structureâ€“property relations of amphiphilic poly(furfuryl glycidyl ether)-block-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	2
9	Interface Characteristics of Neat Melts and Binary Mixtures of Polyethylenes from Atomistic Molecular Dynamics Simulations. Polymers, 2020, 12, 1059.	4.5	3
10	Polyimideâ€PEG Segmented Block Copolymer Membranes with High Proton Conductivity by Improving Bicontinuous Nanostructure of Ionic Liquidâ€Doped Films. Macromolecular Chemistry and Physics, 2019, 220, 1900006.	2.2	3
11	A lignin-epoxy resin derived from biomass as an alternative to formaldehyde-based wood adhesives. Green Chemistry, 2018, 20, 1459-1466.	9.0	182
12	Synthesis, Characterization, and Light-Induced Spatial Charge Separation in Janus Graphene Oxide. Chemistry of Materials, 2018, 30, 2084-2092.	6.7	15
13	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. Biomaterials, 2018, 182, 299-311.	11.4	93
14	Langmuirâ€“Blodgett Deposition of Graphene Oxideâ€”Identifying Marangoni Flow as a Process that Fundamentally Limits Deposition Control. Langmuir, 2018, 34, 9683-9691.	3.5	18
15	Interfacial and topological effects on the glass transition in free-standing polystyrene films. Journal of Chemical Physics, 2017, 146, 203314.	3.0	22
16	Long-term culture of human liver tissue with advanced hepatic functions. JCI Insight, 2017, 2, .	5.0	23
17	Self-assembly of cholesterol tethered within hydrogel networks. Polymer, 2016, 84, 371-382.	3.8	5
18	Influences of liquid electrolyte and polyimide identity on the structure and conductivity of polyimideâ€“poly(ethylene glycol) materials. Journal of Applied Polymer Science, 2015, 132, .	2.6	4

#	Article	IF	Citations
19	Effects of aromatic regularity on the structure and conductivity of polyimideâ€poly(ethylene glycol) materials doped with ionic liquid. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 509-521.	2.1	8
20	Supramolecular motifs in dynamic covalent PEG-hemiaminal organogels. Nature Communications, 2015, 6, 7417.	12.8	53
21	Tunable mesoscale-structured self-assembled hydrogels synthesized by organocatalytic ring-opening polymerization. Polymer, 2015, 65, 93-104.	3.8	2
22	Interpenetrating polymer network hydrogel scaffolds for artificial cornea periphery. Journal of Materials Science: Materials in Medicine, 2015, 26, 107.	3.6	27
23	Chemoresponsive surface-tethered polypeptide brushes based on switchable secondary conformations. RSC Advances, 2015, 5, 86113-86119.	3.6	6
24	Phosphatidylinositol 4,5-Bisphosphate Is an HCV NS5A Ligand and Mediates Replication of the Viral Genome. Gastroenterology, 2015, 148, 616-625.	1.3	37
25	A Simple Method for Encapsulating Single Cells in Alginate Microspheres Allows for Direct PCR and Whole Genome Amplification. PLoS ONE, 2015, 10, e0117738.	2.5	15
26	Prediction of gas solubility in poly(3-hydroxybutyrate-co -3-hydroxyvalerate) melt to inform process design and resulting foam microstructure. Polymer Engineering and Science, 2014, 54, 2683-2695.	3.1	1
27	Enhanced particle removal using viscoelastic fluids. Journal of Rheology, 2014, 58, 63-88.	2.6	7
28	Grafting of Cross-Linked Hydrogel Networks to Titanium Surfaces. ACS Applied Materials & Interfaces, 2014, 6, 958-966.	8.0	25
29	Instabilities and elastic recoil of the two-fluid circular hydraulic jump. Experiments in Fluids, 2014, 55, 1.	2.4	6
30	Facilitating hydroxide transport in anion exchange membranes via hydrophilic grafts. Journal of Materials Chemistry A, 2014, 2, 16489-16497.	10.3	53
31	Vesicle Adhesion and Rupture on Silicon Oxide: Influence of Freezeâ€“Thaw Pretreatment. Langmuir, 2014, 30, 2152-2160.	3.5	47
32	Impact of Processing Temperature and Composition on Foaming of Biodegradable Poly(hydroxyalkanoate) Blends. Industrial & Engineering Chemistry Research, 2014, 53, 15896-15908.	3.7	9
33	Increasing cell homogeneity of semicrystalline, biodegradable polymer foams with a narrow processing window via rapid quenching. Polymer Engineering and Science, 2014, 54, 2877-2886.	3.1	11
34	In vivo biocompatibility of two PEG/PAA interpenetrating polymer networks as corneal inlays following deep stromal pocket implantation. Journal of Materials Science: Materials in Medicine, 2013, 24, 967-977.	3.6	36
35	A Renewable Lignināˆ“Lactide Copolymer and Application in Biobased Composites. ACS Sustainable Chemistry and Engineering, 2013, 1, 1231-1238.	6.7	282
36	Biodegradable Films and Foam of Poly(3-Hydroxybutyrate-co-3-hydroxyvalerate) Blended with Silk Fibroin. ACS Symposium Series, 2013, , 251-279.	0.5	0

#	Article	IF	Citations
37	Comparison of Extruded and Sonicated Vesicles for Planar Bilayer Self-Assembly. Materials, 2013, 6, 3294-3308.	2.9	66
38	Role of shear-thinning on the dynamics of rinsing flow by an impinging jet. Physics of Fluids, 2012, 24, .	4.0	21
39	Meso-ordered soft hydrogels. Soft Matter, 2012, 8, 8149.	2.7	4
40	Competitive swelling forces and interpolymer complexation in pH- and temperature-sensitive interpenetrating network hydrogels. Soft Matter, 2012, 8, 8137.	2.7	25
41	Extruded foams from microbial poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyvalerate) and its blends with cellulose acetate butyrate. Polymer Engineering and Science, 2012, 52, 1495-1508.	3.1	30
42	pH-Driven Assembly of Various Supported Lipid Platforms: A Comparative Study on Silicon Oxide and Titanium Oxide. Langmuir, 2011, 27, 3739-3748.	3.5	83
43	Structure and Mechanism of Strength Enhancement in Interpenetrating Polymer Network Hydrogels. Macromolecules, 2011, 44, 5776-5787.	4.8	100
44	Protein diffusion in photopolymerized poly(ethylene glycol) hydrogel networks. Biomedical Materials (Bristol), 2011, 6, 055006.	3.3	56
45	Toward the development of an artificial cornea: Improved stability of interpenetrating polymer networks. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 98B, 8-17.	3.4	39
46	Role of fluid elasticity on the dynamics of rinsing flow by an impinging jet. Physics of Fluids, 2011, 23, .	4.0	24
47	Targeting of Cancer Cells Using Quantum Dotâ€“Polypeptide Hybrid Assemblies That Function as Molecular Imaging Agents and Carrier Systems. Advanced Functional Materials, 2010, 20, 4091-4097.	14.9	25
48	Quartz crystal microbalance with dissipation monitoring of supported lipid bilayers on various substrates. Nature Protocols, 2010, 5, 1096-1106.	12.0	471
49	Exploring the versatility of hydrogels derived from living organocatalytic ring-opening polymerization. Soft Matter, 2010, 6, 2006.	2.7	26
50	Morphology of Photopolymerized End-Linked Poly(ethylene glycol) Hydrogels by Small-Angle X-ray Scattering. Macromolecules, 2010, 43, 6861-6870.	4.8	87
51	Interfacial Binding Dynamics of Bee Venom Phospholipase A₂ Investigated by Dynamic Light Scattering and Quartz Crystal Microbalance. Langmuir, 2010, 26, 4103-4112.	3.5	33
52	Fabrication of a Planar Zwitterionic Lipid Bilayer on Titanium Oxide. Langmuir, 2010, 26, 15706-15710.	3.5	49
53	Viral infection of human progenitor and liver-derived cells encapsulated in three-dimensional PEG-based hydrogel. Biomedical Materials (Bristol), 2009, 4, 011001.	3.3	30
54	Bioactive interpenetrating polymer network hydrogels that support corneal epithelial wound healing. Journal of Biomedical Materials Research - Part A, 2009, 90A, 70-81.	4.0	51

#	Article	IF	Citations
55	Biocompatibility of poly(ethylene glycol)/poly(acrylic acid) interpenetrating polymer network hydrogel particles in RAW 264.7 macrophage and MGâ€63 osteoblast cell lines. Journal of Biomedical Materials Research - Part A, 2009, 91A, 894-902.	4.0	37
56	Hindered diffusion of oligosaccharides in high strength poly(ethylene glycol)/poly(acrylic acid) interpenetrating network hydrogels: Hydrodynamic vs. obstruction models. Polymer, 2009, 50, 6331-6339.	3.8	14
57	Mechanism of an Amphipathic Î±-Helical Peptideâ€™s Antiviral Activity Involves Size-Dependent Virus Particle Lysis. ACS Chemical Biology, 2009, 4, 1061-1067.	3.4	71
58	Alpha-Helical Peptide-Induced Vesicle Rupture Revealing New Insight into the Vesicle Fusion Process As Monitored in Situ by Quartz Crystal Microbalance-Dissipation and Reflectometry. Analytical Chemistry, 2009, 81, 4752-4761.	6.5	45
59	Physical and mechanical properties of amphiphilic and adaptative polymer conetworks produced by Atom Transfer Radical Polymerization. ACS Symposium Series, 2009, , 269-296.	0.5	0
60	The Use of the RAFTâ€Technique for the Preparation of Temperature/pH Sensitive Polymers in Different Architectures. Macromolecular Symposia, 2009, 283â€“284, 56-66.	0.7	9
61	Progress in the development of interpenetrating polymer network hydrogels. Polymers for Advanced Technologies, 2008, 19, 647-657.	3.2	337
62	Development of Hydrogelâ€Based Keratoprostheses: A Materials Perspective. Biotechnology Progress, 2008, 24, 735-741.	2.6	99
63	Glucose-Permeable Interpenetrating Polymer Network Hydrogels for Corneal Implant Applications: A Pilot Study. Current Eye Research, 2008, 33, 29-43.	1.5	51
64	Preparation and Characterization of Glycoacrylate-Based Polymer-Tethered Lipid Bilayers on Benzophenone-Modified Substrates. Langmuir, 2008, 24, 14088-14098.	3.5	18
65	Effect of Particle Distribution on Morphological and Mechanical Properties of Filled Hydrogel Composites. Macromolecules, 2008, 41, 5441-5450.	4.8	27
66	Binding Dynamics of Hepatitis C Virus' NS5A Amphipathic Peptide to Cell and Model Membranes. Journal of Virology, 2007, 81, 6682-6689.	3.4	38
67	Creation of Lipid Partitions by Deposition of Amphipathic Viral Peptides. Langmuir, 2007, 23, 10855-10863.	3.5	24
68	Employing an Amphipathic Viral Peptide to Create a Lipid Bilayer on Au and TiO₂. Journal of the American Chemical Society, 2007, 129, 10050-10051.	13.7	107
69	Glyco-acrylate copolymers for bilayer tethering on benzophenone-modified substrates. Colloids and Surfaces B: Biointerfaces, 2007, 54, 127-135.	5.0	13
70	Quartz resonator signatures under Newtonian liquid loading for initial instrument check. Journal of Colloid and Interface Science, 2007, 315, 248-254.	9.4	40
71	Employing Two Different Quartz Crystal Microbalance Models To Study Changes in Viscoelastic Behavior upon Transformation of Lipid Vesicles to a Bilayer on a Gold Surface. Analytical Chemistry, 2007, 79, 7027-7035.	6.5	113
72	Design and fabrication of an artificial cornea based on a photolithographically patterned hydrogel construct. Biomedical Microdevices, 2007, 9, 911-922.	2.8	104

#	Article	IF	Citations
73	Biomimetic strain hardening in interpenetrating polymer network hydrogels. Polymer, 2007, 48, 5376-5387.	3.8	196
74	Bonding and Molecular Environment Effects on Near-Infrared Optical Absorption Behavior in Nonlinear Optical Monoazo Chromophoreâ^'Polymer Materials. Macromolecules, 2006, 39, 7566-7577.	4.8	19
75	Fluid supported lipid bilayers containing monosialoganglioside GM1: A QCM-D and FRAP study. Colloids and Surfaces B: Biointerfaces, 2006, 50, 76-84.	5.0	31
76	The Dramatic Effect of Architecture on the Self-Assembly of Block Copolymers at Interfaces. Langmuir, 2005, 21, 10444-10458.	3.5	78
77	Surface Characteristics of Polyfluorene Films Studied by Polarization-Dependent NEXAFS Spectroscopy. Macromolecules, 2005, 38, 867-872.	4.8	23
78	Highly Fluorinated and Crosslinkable Dendritic Polymer for Photonic Applications. Macromolecular Rapid Communications, 2004, 25, 1667-1673.	3.9	37
79	Polyacrylamide Adsorption from Aqueous Solutions on Gold and Silver Surfaces Monitored by the Quartz Crystal Microbalance. Macromolecules, 2004, 37, 925-938.	4.8	75
80	Langmuir and Langmuirâ^'Blodgett Films of Amphiphilic Bistable Rotaxanes. Langmuir, 2004, 20, 5809-5828.	3.5	63
81	Adsorption of Lipid-Functionalized Poly(ethylene glycol) to Gold Surfaces as a Cushion for Polymer-Supported Lipid Bilayers. Langmuir, 2004, 20, 3339-3349.	3.5	50
82	Vesicle Adsorption and Lipid Bilayer Formation on Glass Studied by Atomic Force Microscopy. Langmuir, 2004, 20, 11600-11606.	3.5	188
83	Photo-Cross-Linkable PNIPAAm Copolymers. 2. Effects of Constraint on Temperature and pH-Responsive Hydrogel Layers. Macromolecules, 2003, 36, 162-172.	4.8	114
84	Photo-Cross-Linkable PNIPAAm Copolymers. 4. Effects of Copolymerization and Cross-Linking on the Volume-Phase Transition in Constrained Hydrogel Layers. Langmuir, 2003, 19, 10947-10956.	3.5	74
85	A microfluidic actuator based on thermoresponsive hydrogels. Polymer, 2003, 44, 4547-4556.	3.8	254
86	Photophysical Characterization of Conformational Rearrangements for Amphiphilic 6-Arm Star Block Copolymers in Selective Solvent Mixtures. Macromolecules, 2003, 36, 268-271.	4.8	32
87	Photolithographic Polymerization of Diacetylene-Containing Phospholipid Bilayers Studied by Multimode Atomic Force Microscopy. Langmuir, 2003, 19, 6994-7002.	3.5	59
88	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 1. Spectroscopic Characterization of Film Structure and Crystallization Kinetics. Macromolecules, 2003, 36, 1188-1198.	4.8	222
89	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 2. In Situ Study of Crystallization and Melting by Hot Stage AFM. Macromolecules, 2003, 36, 1199-1208.	4.8	179
90	A Hyperbranched Aromatic Fluoropolyester for Photonic Applications. Macromolecules, 2003, 36, 4355-4359.	4.8	67

#	Article	IF	Citations
91	Kinetics of the N-Isopropylacrylamide Gel-Volume Phase Transition in the Presence of Free Polymer Chains. ACS Symposium Series, 2002, , 2-11.	0.5	4
92	Pyrene Fluorescence as a Molecular Probe of Miscibility in Organic/Inorganic Hybrid Nanocomposites Suitable for Microelectronic Applications. Materials Research Society Symposia Proceedings, 2002, 726, 1.	0.1	0
93	Using Surface Plasmon Resonance and the Quartz Crystal Microbalance to Monitor in Situ the Interfacial Behavior of Thin Organic Films. Langmuir, 2002, 18, 479-489.	3.5	101
94	Analyzing the Surface Temperature Depression in Hot Stage Atomic Force Microscopy with Unheated Cantilevers:Â Application to the Crystallization of Poly(ethylene oxide). Langmuir, 2002, 18, 490-498.	3.5	40
95	Surface Shear Rheology of a Polymerizable Lipopolymer Monolayer. Langmuir, 2002, 18, 2166-2173.	3.5	18
96	Synthesis of lipo-glycopolymer amphiphiles by nitroxide-mediated living free-radical polymerization. Journal of Polymer Science Part A, 2002, 40, 3379-3391.	2.3	110
97	A Surface Plasmon Resonance Study of Volume Phase Transitions in N-Isopropylacrylamide Gel Films. Macromolecules, 2002, 35, 5999-6004.	4.8	77
98	Photo-Cross-Linkable PNIPAAm Copolymers. 1. Synthesis and Characterization of Constrained Temperature-Responsive Hydrogel Layers. Macromolecules, 2002, 35, 6377-6383.	4.8	179
99	Polymer-Supported Lipid Bilayers on Benzophenone-Modified Substrates. Biomacromolecules, 2001, 2, 70-79.	5.4	101
100	Investigation of the Initiation Behavior of a Dendritic 12-Arm Initiator in Atom Transfer Radical Polymerization. Macromolecules, 2001, 34, 3798-3801.	4.8	66
101	Fluorescence Studies of the Hybrid Composite of Segmented-Polyurethane and Silica. Chemistry of Materials, 2001, 13, 2783-2787.	6.7	62
102	Star Polymers with Alternating Arms from Miktofunctional Î¼-Initiators Using Consecutive Atom Transfer Radical Polymerization and Ring-Opening Polymerization. Macromolecules, 2001, 34, 2798-2804.	4.8	118
103	Multistep Adsorption of Perfluoropolyether Hard-Disk Lubricants onto Amorphous Carbon Substrates from Solution. Langmuir, 2001, 17, 8145-8155.	3.5	18
104	Starlike Polymeric Architectures by Atom Transfer Radical Polymerization:Â Templates for the Production of Low Dielectric Constant Thin Films. Macromolecules, 2000, 33, 2346-2354.	4.8	112
105	Polymer thin film properties as a function of temperature and pressure. Macromolecular Symposia, 1999, 145, 95-102.	0.7	9
106	An Interfacial Stress Rheometer To Study Rheological Transitions in Monolayers at the Airâ^'Water Interface. Langmuir, 1999, 15, 2450-2459.	3.5	321
107	Adaptation of Bulk Constitutive Equations to Insoluble Monolayer Collapse at the Air-Water Interface. Science, 1999, 283, 1730-1733.	12.6	25
108	Photochemical Attachment of Polymer Films to Solid Surfaces via Monolayers of Benzophenone Derivatives. Journal of the American Chemical Society, 1999, 121, 8766-8770.	13.7	387

#	Article	IF	Citations
109	Starlike Block Copolymers with Amphiphilic Arms as Models for Unimolecular Micelles. Journal of the American Chemical Society, 1999, 121, 8647-8648.	13.7	197
110	Novel Starlike Poly(methyl methacrylate)s by Controlled Dendritic Free Radical Initiation. Macromolecules, 1999, 32, 231-234.	4.8	93
111	On the glass transition in ultrathin polymer films of different molecular architecture. Macromolecular Chemistry and Physics, 1998, 199, 1435-1444.	2.2	159
112	Supramolecular Thin Film Architectures for Photonic Applications. Molecular Crystals and Liquid Crystals, 1998, 316, 103-112.	0.3	4
113	End Group Effects on Adhesion of Perfluoropolyether Lubricants to Solid Substrates. Journal of Adhesion, 1998, 67, 195-215.	3.0	5
114	Langmuir and Langmuirâ€"Blodgettâ€"Kuhn Films of Poly(vinylidene fluoride) and Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	4
115	Chemical Grafting of Poly(L-glutamate) Î³-Esters on Silicon (100) Surfaces by Vapor Polymerization of N-Carboxy Anhydride Monomers. ACS Symposium Series, 1998, , 142-157.	0.5	3
116	Glass Transition in Ultrathin Polymer Films. ACS Symposium Series, 1998, , 233-249.	0.5	7
117	Composition of Binary Self-Assembled Monolayers of Alkyltrichlorosilanes. ACS Symposium Series, 1998, , 67-80.	0.5	3
118	Flow-Induced Deformation and Relaxation Processes of Polydomain Structures in Langmuir Monolayer. ACS Symposium Series, 1998, , 43-56.	0.5	3
119	Surface polymerization of poly(Î³â€alkylâ€lâ€glutamate) on solid substrates. Macromolecular Symposia, 1997, 118, 641-646.	0.7	5
120	Exact Linear Analogs of Dendritic Polyether Macromolecules:Â Design, Synthesis, and Unique Properties. Journal of the American Chemical Society, 1997, 119, 9903-9904.	13.7	200
121	Direct Visualization of Flow-Induced Anisotropy in a Fatty Acid Monolayer. Langmuir, 1996, 12, 1594-1599.	3.5	37
122	Deformation and Relaxation Processes of Mono- and Bilayer Domains of Liquid Crystalline Langmuir Films on Water. Langmuir, 1996, 12, 5630-5635.	3.5	42
123	In Situ Optical Studies of Flow-Induced Orientation in a Two-Dimensional Polymer Solution. Macromolecules, 1996, 29, 705-712.	4.8	27
124	Grafting of Poly(Î³-benzyl-l-glutamate) on Chemically Modified Silicon Oxide Surfaces. Langmuir, 1996, 12, 5824-5829.	3.5	88
125	Fluorescence Probe Studies of Self-Assembled Monolayer and Multilayer Films from n-Alkyltrichlorosilanes. ACS Symposium Series, 1996, , 217-230.	0.5	0
126	Spectroscopic Studies on the Complexation of Papain with Potassium Poly(Vinyl Alcohol Sulfate). Journal of Macromolecular Science - Pure and Applied Chemistry, 1994, 31, 31-37.	2.2	3

#	Article	IF	Citations
127	Radiation Effects on Polymeric Materials. ACS Symposium Series, 1993, , 1-8.	0.5	23
128	Diazonaphthoquinoneâ€"Novolac Resist Dissolution in Composite Langmuirâ€"Blodgett and Spin-Cast Films. ACS Symposium Series, 1993, , 245-265.	0.5	2
129	Fluorescence probe studies of self-assembled monolayer films. Langmuir, 1991, 7, 1719-1726.	3.5	38
130	Intramolecular Charge Transfer In Aromatic Polyimides. Materials Research Society Symposia Proceedings, 1991, 227, 117.	0.1	11
131	Hydrophobic Effects on Complexation and Aggregation in Water-Soluble Polymers. ACS Symposium Series, 1991, , 303-319.	0.5	5
132	Polymer Materials Science: Novel Synthesis and Characterization of Supermolecular Structures. MRS Bulletin, 1991, 16, 20-22.	3.5	0
133	A Surface Kinetic Model for Plasma Polymerization with Application to Plasma Etching. Journal of the Electrochemical Society, 1990, 137, 2575-2581.	2.9	34
134	Dynamic light-scattering studies of the fractal aggregation of poly(methacrylic acid) and poly(ethylene glycol). Macromolecules, 1990, 23, 4404-4410.	4.8	33
135	Cure Studies of PMDA-ODA- and BTDA-ODA-Based Polyimides by Fluorescence Spectroscopy. ACS Symposium Series, 1989, , 26-48.	0.5	6
136	Complex Formation Between Poly(acrylic acid) and Poly(ethylene glycol) in Aqueous Solution. ACS Symposium Series, 1987, , 422-433.	0.5	0
137	Morphology in Miscible and Immiscible Polymer Blends. ACS Symposium Series, 1987, , 18-36.	0.5	2
138	Complex formation between poly(acrylic acid) and pyrene-labeled polyethylene glycol in aqueous solution. Macromolecules, 1987, 20, 474-480.	4.8	84
139	Effect of hydrophobic interaction in the poly(methacrylic acid)/pyrene end-labeled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	60
140	Behavior of a Twisted Intramolecular Charge-Transfer Compound Bonded to Poly (methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	0.5	1
141	Structure of the polyion complex between poly(sodium P-styrene sulfonate) and poly(diallyl dimethyl) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	22
142	Macromolecular pair correlation functions from fluorescence depolarization experiments. Journal of Polymer Science, Polymer Physics Edition, 1985, 23, 591-599.	1.0	17
143	Effect of Molecular Weight on Blend Miscibility. Advances in Chemistry Series, 1984, , 77-100.	0.6	8
144	Electronic excited state transport and trapping as a probe of intramolecular polymer structure. Journal of Chemical Physics, 1983, 79, 3572-3580.	3.0	35

#	Article	IF	Citations
145	Excimer Fluorescence as a Molecular Probe of Blend Miscibility. Advances in Chemistry Series, 1983, , 757-771.	0.6	14
146	Excimer formation in vinyl polymers. III. Fluid and rigid solutions of poly(4â€vinylbiphenyl). Journal of Chemical Physics, 1974, 61, 2015-2022.	3.0	29