

Curtis W Frank

List of Publications by Year in descending order

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148
times ranked

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#	ARTICLE	IF	CITATIONS
1	Quartz crystal microbalance with dissipation monitoring of supported lipid bilayers on various substrates. <i>Nature Protocols</i> , 2010, 5, 1096-1106.	12.0	471
2	Photochemical Attachment of Polymer Films to Solid Surfaces via Monolayers of Benzophenone Derivatives. <i>Journal of the American Chemical Society</i> , 1999, 121, 8766-8770.	13.7	387
3	Progress in the development of interpenetrating polymer network hydrogels. <i>Polymers for Advanced Technologies</i> , 2008, 19, 647-657.	3.2	337
4	An Interfacial Stress Rheometer To Study Rheological Transitions in Monolayers at the Air/Water Interface. <i>Langmuir</i> , 1999, 15, 2450-2459.	3.5	321
5	A Renewable Lignin-Lactide Copolymer and Application in Biobased Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1231-1238.	6.7	282
6	A microfluidic actuator based on thermoresponsive hydrogels. <i>Polymer</i> , 2003, 44, 4547-4556.	3.8	254
7	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 1. Spectroscopic Characterization of Film Structure and Crystallization Kinetics. <i>Macromolecules</i> , 2003, 36, 1188-1198.	4.8	222
8	Exact Linear Analogs of Dendritic Polyether Macromolecules: Design, Synthesis, and Unique Properties. <i>Journal of the American Chemical Society</i> , 1997, 119, 9903-9904.	13.7	200
9	Starlike Block Copolymers with Amphiphilic Arms as Models for Unimolecular Micelles. <i>Journal of the American Chemical Society</i> , 1999, 121, 8647-8648.	13.7	197
10	Biomimetic strain hardening in interpenetrating polymer network hydrogels. <i>Polymer</i> , 2007, 48, 5376-5387.	3.8	196
11	Vesicle Adsorption and Lipid Bilayer Formation on Glass Studied by Atomic Force Microscopy. <i>Langmuir</i> , 2004, 20, 11600-11606.	3.5	188
12	A lignin-epoxy resin derived from biomass as an alternative to formaldehyde-based wood adhesives. <i>Green Chemistry</i> , 2018, 20, 1459-1466.	9.0	182
13	Photo-Cross-Linkable PNIPAAm Copolymers. 1. Synthesis and Characterization of Constrained Temperature-Responsive Hydrogel Layers. <i>Macromolecules</i> , 2002, 35, 6377-6383.	4.8	179
14	Ultrathin Films of Poly(ethylene oxides) on Oxidized Silicon. 2. In Situ Study of Crystallization and Melting by Hot Stage AFM. <i>Macromolecules</i> , 2003, 36, 1199-1208.	4.8	179
15	On the glass transition in ultrathin polymer films of different molecular architecture. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1435-1444.	2.2	159
16	Star Polymers with Alternating Arms from Miktofunctional $\frac{1}{4}$ -Initiators Using Consecutive Atom Transfer Radical Polymerization and Ring-Opening Polymerization. <i>Macromolecules</i> , 2001, 34, 2798-2804.	4.8	118
17	Photo-Cross-Linkable PNIPAAm Copolymers. 2. Effects of Constraint on Temperature and pH-Responsive Hydrogel Layers. <i>Macromolecules</i> , 2003, 36, 162-172.	4.8	114
18	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. <i>Analytical Chemistry</i> , 2007, 79, 7027-7035.	6.5	113

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19	Starlike Polymeric Architectures by Atom Transfer Radical Polymerization: Templates for the Production of Low Dielectric Constant Thin Films. <i>Macromolecules</i> , 2000, 33, 2346-2354.	4.8	112
20	Synthesis of lipo-glycopolymer amphiphiles by nitroxide-mediated living free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3379-3391.	2.3	110
21	Employing an Amphipathic Viral Peptide to Create a Lipid Bilayer on Au and TiO ₂ . <i>Journal of the American Chemical Society</i> , 2007, 129, 10050-10051.	13.7	107
22	Design and fabrication of an artificial cornea based on a photolithographically patterned hydrogel construct. <i>Biomedical Microdevices</i> , 2007, 9, 911-922.	2.8	104
23	Polymer-Supported Lipid Bilayers on Benzophenone-Modified Substrates. <i>Biomacromolecules</i> , 2001, 2, 70-79.	5.4	101
24	Using Surface Plasmon Resonance and the Quartz Crystal Microbalance to Monitor in Situ the Interfacial Behavior of Thin Organic Films. <i>Langmuir</i> , 2002, 18, 479-489.	3.5	101
25	Structure and Mechanism of Strength Enhancement in Interpenetrating Polymer Network Hydrogels. <i>Macromolecules</i> , 2011, 44, 5776-5787.	4.8	100
26	Development of Hydrogel-Based Keratoprotheses: A Materials Perspective. <i>Biotechnology Progress</i> , 2008, 24, 735-741.	2.6	99
27	Novel Starlike Poly(methyl methacrylate)s by Controlled Dendritic Free Radical Initiation. <i>Macromolecules</i> , 1999, 32, 231-234.	4.8	93
28	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. <i>Biomaterials</i> , 2018, 182, 299-311.	11.4	93
29	Grafting of Poly(¹³ -benzyl-L-glutamate) on Chemically Modified Silicon Oxide Surfaces. <i>Langmuir</i> , 1996, 12, 5824-5829.	3.5	88
30	Morphology of Photopolymerized End-Linked Poly(ethylene glycol) Hydrogels by Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 6861-6870.	4.8	87
31	Complex formation between poly(acrylic acid) and pyrene-labeled polyethylene glycol in aqueous solution. <i>Macromolecules</i> , 1987, 20, 474-480.	4.8	84
32	pH-Driven Assembly of Various Supported Lipid Platforms: A Comparative Study on Silicon Oxide and Titanium Oxide. <i>Langmuir</i> , 2011, 27, 3739-3748.	3.5	83
33	The Dramatic Effect of Architecture on the Self-Assembly of Block Copolymers at Interfaces. <i>Langmuir</i> , 2005, 21, 10444-10458.	3.5	78
34	A Surface Plasmon Resonance Study of Volume Phase Transitions in N-Isopropylacrylamide Gel Films. <i>Macromolecules</i> , 2002, 35, 5999-6004.	4.8	77
35	Polyacrylamide Adsorption from Aqueous Solutions on Gold and Silver Surfaces Monitored by the Quartz Crystal Microbalance. <i>Macromolecules</i> , 2004, 37, 925-938.	4.8	75
36	Photo-Cross-Linkable PNIPAAm Copolymers. 4. Effects of Copolymerization and Cross-Linking on the Volume-Phase Transition in Constrained Hydrogel Layers. <i>Langmuir</i> , 2003, 19, 10947-10956.	3.5	74

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37	Mechanism of an Amphipathic α -Helical Peptide's Antiviral Activity Involves Size-Dependent Virus Particle Lysis. <i>ACS Chemical Biology</i> , 2009, 4, 1061-1067.	3.4	71
38	A Hyperbranched Aromatic Fluoropolyester for Photonic Applications. <i>Macromolecules</i> , 2003, 36, 4355-4359.	4.8	67
39	Investigation of the Initiation Behavior of a Dendritic 12-Arm Initiator in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 3798-3801.	4.8	66
40	Comparison of Extruded and Sonicated Vesicles for Planar Bilayer Self-Assembly. <i>Materials</i> , 2013, 6, 3294-3308.	2.9	66
41	Langmuir and Langmuir-Blodgett Films of Amphiphilic Bistable Rotaxanes. <i>Langmuir</i> , 2004, 20, 5809-5828.	3.5	63
42	Fluorescence Studies of the Hybrid Composite of Segmented-Polyurethane and Silica. <i>Chemistry of Materials</i> , 2001, 13, 2783-2787.	6.7	62
43	Effect of hydrophobic interaction in the poly(methacrylic acid)/pyrene end-labeled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.8	60
44	Photolithographic Polymerization of Diacetylene-Containing Phospholipid Bilayers Studied by Multimode Atomic Force Microscopy. <i>Langmuir</i> , 2003, 19, 6994-7002.	3.5	59
45	Protein diffusion in photopolymerized poly(ethylene glycol) hydrogel networks. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 055006.	3.3	56
46	Facilitating hydroxide transport in anion exchange membranes via hydrophilic grafts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16489-16497.	10.3	53
47	Supramolecular motifs in dynamic covalent PEG-hemiaminal organogels. <i>Nature Communications</i> , 2015, 6, 7417.	12.8	53
48	Glucose-Permeable Interpenetrating Polymer Network Hydrogels for Corneal Implant Applications: A Pilot Study. <i>Current Eye Research</i> , 2008, 33, 29-43.	1.5	51
49	Bioactive interpenetrating polymer network hydrogels that support corneal epithelial wound healing. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 70-81.	4.0	51
50	Adsorption of Lipid-Functionalized Poly(ethylene glycol) to Gold Surfaces as a Cushion for Polymer-Supported Lipid Bilayers. <i>Langmuir</i> , 2004, 20, 3339-3349.	3.5	50
51	Fabrication of a Planar Zwitterionic Lipid Bilayer on Titanium Oxide. <i>Langmuir</i> , 2010, 26, 15706-15710.	3.5	49
52	Vesicle Adhesion and Rupture on Silicon Oxide: Influence of Freeze-Thaw Pretreatment. <i>Langmuir</i> , 2014, 30, 2152-2160.	3.5	47
53	Alpha-Helical Peptide-Induced Vesicle Rupture Revealing New Insight into the Vesicle Fusion Process As Monitored <i>in Situ</i> by Quartz Crystal Microbalance-Dissipation and Reflectometry. <i>Analytical Chemistry</i> , 2009, 81, 4752-4761.	6.5	45
54	Deformation and Relaxation Processes of Mono- and Bilayer Domains of Liquid Crystalline Langmuir Films on Water. <i>Langmuir</i> , 1996, 12, 5630-5635.	3.5	42

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55	Analyzing the Surface Temperature Depression in Hot Stage Atomic Force Microscopy with Unheated Cantilevers: A Application to the Crystallization of Poly(ethylene oxide). <i>Langmuir</i> , 2002, 18, 490-498.	3.5	40
56	Quartz resonator signatures under Newtonian liquid loading for initial instrument check. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 248-254.	9.4	40
57	Toward the development of an artificial cornea: Improved stability of interpenetrating polymer networks. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 98B, 8-17.	3.4	39
58	Fluorescence probe studies of self-assembled monolayer films. <i>Langmuir</i> , 1991, 7, 1719-1726.	3.5	38
59	Binding Dynamics of Hepatitis C Virus' NS5A Amphipathic Peptide to Cell and Model Membranes. <i>Journal of Virology</i> , 2007, 81, 6682-6689.	3.4	38
60	Direct Visualization of Flow-Induced Anisotropy in a Fatty Acid Monolayer. <i>Langmuir</i> , 1996, 12, 1594-1599.	3.5	37
61	Highly Fluorinated and Crosslinkable Dendritic Polymer for Photonic Applications. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1667-1673.	3.9	37
62	Biocompatibility of poly(ethylene glycol)/poly(acrylic acid) interpenetrating polymer network hydrogel particles in RAW 264.7 macrophage and MC3T3 osteoblast cell lines. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 91A, 894-902.	4.0	37
63	Phosphatidylinositol 4,5-Bisphosphate Is an HCV NS5A Ligand and Mediates Replication of the Viral Genome. <i>Gastroenterology</i> , 2015, 148, 616-625.	1.3	37
64	In vivo biocompatibility of two PEG/PAA interpenetrating polymer networks as corneal inlays following deep stromal pocket implantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 967-977.	3.6	36
65	Electronic excited state transport and trapping as a probe of intramolecular polymer structure. <i>Journal of Chemical Physics</i> , 1983, 79, 3572-3580.	3.0	35
66	A Surface Kinetic Model for Plasma Polymerization with Application to Plasma Etching. <i>Journal of the Electrochemical Society</i> , 1990, 137, 2575-2581.	2.9	34
67	Dynamic light-scattering studies of the fractal aggregation of poly(methacrylic acid) and poly(ethylene glycol). <i>Macromolecules</i> , 1990, 23, 4404-4410.	4.8	33
68	Interfacial Binding Dynamics of Bee Venom Phospholipase A ₂ Investigated by Dynamic Light Scattering and Quartz Crystal Microbalance. <i>Langmuir</i> , 2010, 26, 4103-4112.	3.5	33
69	Photophysical Characterization of Conformational Rearrangements for Amphiphilic 6-Arm Star Block Copolymers in Selective Solvent Mixtures. <i>Macromolecules</i> , 2003, 36, 268-271.	4.8	32
70	Fluid supported lipid bilayers containing monosialoganglioside GM1: A QCM-D and FRAP study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 50, 76-84.	5.0	31
71	Viral infection of human progenitor and liver-derived cells encapsulated in three-dimensional PEG-based hydrogel. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 011001.	3.3	30
72	Extruded foams from microbial poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and its blends with cellulose acetate butyrate. <i>Polymer Engineering and Science</i> , 2012, 52, 1495-1508.	3.1	30

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73	Excimer formation in vinyl polymers. III. Fluid and rigid solutions of poly(4-vinylbiphenyl). Journal of Chemical Physics, 1974, 61, 2015-2022.	3.0	29
74	In Situ Optical Studies of Flow-Induced Orientation in a Two-Dimensional Polymer Solution. Macromolecules, 1996, 29, 705-712.	4.8	27
75	Effect of Particle Distribution on Morphological and Mechanical Properties of Filled Hydrogel Composites. Macromolecules, 2008, 41, 5441-5450.	4.8	27
76	Interpenetrating polymer network hydrogel scaffolds for artificial cornea periphery. Journal of Materials Science: Materials in Medicine, 2015, 26, 107.	3.6	27
77	Exploring the versatility of hydrogels derived from living organocatalytic ring-opening polymerization. Soft Matter, 2010, 6, 2006.	2.7	26
78	Adaptation of Bulk Constitutive Equations to Insoluble Monolayer Collapse at the Air-Water Interface. Science, 1999, 283, 1730-1733.	12.6	25
79	Targeting of Cancer Cells Using Quantum Dot-Polypeptide Hybrid Assemblies That Function as Molecular Imaging Agents and Carrier Systems. Advanced Functional Materials, 2010, 20, 4091-4097.	14.9	25
80	Competitive swelling forces and interpolymer complexation in pH- and temperature-sensitive interpenetrating network hydrogels. Soft Matter, 2012, 8, 8137.	2.7	25
81	Grafting of Cross-Linked Hydrogel Networks to Titanium Surfaces. ACS Applied Materials & Interfaces, 2014, 6, 958-966.	8.0	25
82	Nanoscale Spatial Distribution of Supported Nanoparticles Controls Activity and Stability in Powder Catalysts for CO Oxidation and Photocatalytic H ₂ Evolution. Journal of the American Chemical Society, 2020, 142, 14481-14494.	13.7	25
83	Creation of Lipid Partitions by Deposition of Amphipathic Viral Peptides. Langmuir, 2007, 23, 10855-10863.	3.5	24
84	Role of fluid elasticity on the dynamics of rinsing flow by an impinging jet. Physics of Fluids, 2011, 23, .	4.0	24
85	Radiation Effects on Polymeric Materials. ACS Symposium Series, 1993, , 1-8.	0.5	23
86	Surface Characteristics of Polyfluorene Films Studied by Polarization-Dependent NEXAFS Spectroscopy. Macromolecules, 2005, 38, 867-872.	4.8	23
87	Long-term culture of human liver tissue with advanced hepatic functions. JCI Insight, 2017, 2, .	5.0	23
88	Structure of the polyion complex between poly(sodium P-styrene sulfonate) and poly(diallyl dimethyl) Tj ETQq0 0 0 ,rgBT /Overlock 10 Tf	2.1	22
89	Interfacial and topological effects on the glass transition in free-standing polystyrene films. Journal of Chemical Physics, 2017, 146, 203314.	3.0	22
90	Role of shear-thinning on the dynamics of rinsing flow by an impinging jet. Physics of Fluids, 2012, 24, .	4.0	21

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91	Bonding and Molecular Environment Effects on Near-Infrared Optical Absorption Behavior in Nonlinear Optical Monoazo Chromophore~Polymer Materials. <i>Macromolecules</i> , 2006, 39, 7566-7577.	4.8	19
92	Multistep Adsorption of Perfluoropolyether Hard-Disk Lubricants onto Amorphous Carbon Substrates from Solution. <i>Langmuir</i> , 2001, 17, 8145-8155.	3.5	18
93	Surface Shear Rheology of a Polymerizable Lipopolymer Monolayer. <i>Langmuir</i> , 2002, 18, 2166-2173.	3.5	18
94	Preparation and Characterization of Glycoacrylate-Based Polymer-Tethered Lipid Bilayers on Benzophenone-Modified Substrates. <i>Langmuir</i> , 2008, 24, 14088-14098.	3.5	18
95	Langmuir~Blodgett Deposition of Graphene Oxide~Identifying Marangoni Flow as a Process that Fundamentally Limits Deposition Control. <i>Langmuir</i> , 2018, 34, 9683-9691.	3.5	18
96	Macromolecular pair correlation functions from fluorescence depolarization experiments. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1985, 23, 591-599.	1.0	17
97	Synthesis, Characterization, and Light-Induced Spatial Charge Separation in Janus Graphene Oxide. <i>Chemistry of Materials</i> , 2018, 30, 2084-2092.	6.7	15
98	A Simple Method for Encapsulating Single Cells in Alginate Microspheres Allows for Direct PCR and Whole Genome Amplification. <i>PLoS ONE</i> , 2015, 10, e0117738.	2.5	15
99	Excimer Fluorescence as a Molecular Probe of Blend Miscibility. <i>Advances in Chemistry Series</i> , 1983, , 757-771.	0.6	14
100	Hindered diffusion of oligosaccharides in high strength poly(ethylene glycol)/poly(acrylic acid) interpenetrating network hydrogels: Hydrodynamic vs. obstruction models. <i>Polymer</i> , 2009, 50, 6331-6339.	3.8	14
101	Glyco-acrylate copolymers for bilayer tethering on benzophenone-modified substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 54, 127-135.	5.0	13
102	Intramolecular Charge Transfer In Aromatic Polyimides. <i>Materials Research Society Symposia Proceedings</i> , 1991, 227, 117.	0.1	11
103	Increasing cell homogeneity of semicrystalline, biodegradable polymer foams with a narrow processing window via rapid quenching. <i>Polymer Engineering and Science</i> , 2014, 54, 2877-2886.	3.1	11
104	Polymer thin film properties as a function of temperature and pressure. <i>Macromolecular Symposia</i> , 1999, 145, 95-102.	0.7	9
105	The Use of the RAFT~Technique for the Preparation of Temperature/pH Sensitive Polymers in Different Architectures. <i>Macromolecular Symposia</i> , 2009, 283~284, 56-66.	0.7	9
106	Impact of Processing Temperature and Composition on Foaming of Biodegradable Poly(hydroxyalkanoate) Blends. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 15896-15908.	3.7	9
107	Effect of Molecular Weight on Blend Miscibility. <i>Advances in Chemistry Series</i> , 1984, , 77-100.	0.6	8
108	Effects of aromatic regularity on the structure and conductivity of polyimide~poly(ethylene glycol) materials doped with ionic liquid. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 509-521.	2.1	8

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109	Glass Transition in Ultrathin Polymer Films. ACS Symposium Series, 1998, , 233-249.	0.5	7
110	Enhanced particle removal using viscoelastic fluids. Journal of Rheology, 2014, 58, 63-88.	2.6	7
111	Cure Studies of PMDA-ODA- and BTDA-ODA-Based Polyimides by Fluorescence Spectroscopy. ACS Symposium Series, 1989, , 26-48.	0.5	6
112	Instabilities and elastic recoil of the two-fluid circular hydraulic jump. Experiments in Fluids, 2014, 55, 1.	2.4	6
113	Chemoresponsive surface-tethered polypeptide brushes based on switchable secondary conformations. RSC Advances, 2015, 5, 86113-86119.	3.6	6
114	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
115	Hydrophobic Effects on Complexation and Aggregation in Water-Soluble Polymers. ACS Symposium Series, 1991, , 303-319.	0.5	5
116	Surface polymerization of poly(β -alkyl-L-glutamate) on solid substrates. Macromolecular Symposia, 1997, 118, 641-646.	0.7	5
117	End Group Effects on Adhesion of Perfluoropolyether Lubricants to Solid Substrates. Journal of Adhesion, 1998, 67, 195-215.	3.0	5
118	Self-assembly of cholesterol tethered within hydrogel networks. Polymer, 2016, 84, 371-382.	3.8	5
119	Supramolecular Thin Film Architectures for Photonic Applications. Molecular Crystals and Liquid Crystals, 1998, 316, 103-112.	0.3	4
120	Langmuir and Langmuir-Blodgett-Kuhn Films of Poly(vinylidene fluoride) and Poly(vinylidene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	4
121	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
122	Meso-ordered soft hydrogels. Soft Matter, 2012, 8, 8149.	2.7	4
123	Influences of liquid electrolyte and polyimide identity on the structure and conductivity of polyimide-poly(ethylene glycol) materials. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
124	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
125	Chemical Grafting of Poly(L-glutamate) β -Esters on Silicon (100) Surfaces by Vapor Polymerization of N-Carboxy Anhydride Monomers. ACS Symposium Series, 1998, , 142-157.	0.5	3
126	Composition of Binary Self-Assembled Monolayers of Alkyltrichlorosilanes. ACS Symposium Series, 1998, , 67-80.	0.5	3

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127	Flow-Induced Deformation and Relaxation Processes of Polydomain Structures in Langmuir Monolayer. ACS Symposium Series, 1998, , 43-56.	0.5	3
128	Polyimide-PEG Segmented Block Copolymer Membranes with High Proton Conductivity by Improving Bicontinuous Nanostructure of Ionic Liquid-Doped Films. Macromolecular Chemistry and Physics, 2019, 220, 1900006.	2.2	3
129	Interface Characteristics of Neat Melts and Binary Mixtures of Polyethylenes from Atomistic Molecular Dynamics Simulations. Polymers, 2020, 12, 1059.	4.5	3
130	Morphology in Miscible and Immiscible Polymer Blends. ACS Symposium Series, 1987, , 18-36.	0.5	2
131	Diazonaphthoquinone-Novolac Resist Dissolution in Composite Langmuir-Blodgett and Spin-Cast Films. ACS Symposium Series, 1993, , 245-265.	0.5	2
132	Tunable mesoscale-structured self-assembled hydrogels synthesized by organocatalytic ring-opening polymerization. Polymer, 2015, 65, 93-104.	3.8	2
133	Structure-property relations of amphiphilic poly(furfuryl glycidyl ether)-block-poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.9	2
134	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
135	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
136	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
137	Behavior of a Twisted Intramolecular Charge-Transfer Compound Bonded to Poly (methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	1
138	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
139	Comparison of nanocrystalline cellulose dispersion versus surface nucleation in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) crystallization. SPE Polymers, 2020, 1, 15-25.	3.3	1
140	Complex Formation Between Poly(acrylic acid) and Poly(ethylene glycol) in Aqueous Solution. ACS Symposium Series, 1987, , 422-433.	0.5	0
141	Polymer Materials Science: Novel Synthesis and Characterization of Supermolecular Structures. MRS Bulletin, 1991, 16, 20-22.	3.5	0
142	Fluorescence Probe Studies of Self-Assembled Monolayer and Multilayer Films from n-Alkyltrichlorosilanes. ACS Symposium Series, 1996, , 217-230.	0.5	0
143	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
144	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

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145	Biodegradable Films and Foam of Poly(3-Hydroxybutyrate-co-3-hydroxyvalerate) Blended with Silk Fibroin. ACS Symposium Series, 2013, , 251-279.	0.5	0
146	Surface Characteristics of Poly(alkyl methacrylate)s from Molecular Dynamics Simulations Using All-Atom Force Field. Macromolecular Rapid Communications, 2021, , 2100614.	3.9	0