

Kenneth R Shull

List of Publications by Year in descending order

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167
papers

9,869
citations

38742

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95
g-index

167
all docs

167
docs citations

167
times ranked

10115
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Oxide Sheets at Interfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 8180-8186.	13.7	1,573
2	Contact mechanics and the adhesion of soft solids. <i>Materials Science and Engineering Reports</i> , 2002, 36, 1-45.	31.8	391
3	Ionically Cross-Linked Triblock Copolymer Hydrogels with High Strength. <i>Macromolecules</i> , 2010, 43, 6193-6201.	4.8	359
4	Crosslinked hyaluronic acid hydrogels: a strategy to functionalize and pattern. <i>Biomaterials</i> , 2005, 26, 359-371.	11.4	326
5	Segregation of block copolymers to interfaces between immiscible homopolymers. <i>Macromolecules</i> , 1990, 23, 4780-4787.	4.8	217
6	Deformation and failure modes of adhesively bonded elastic layers. <i>Journal of Applied Physics</i> , 2000, 88, 2956-2966.	2.5	206
7	Mean-field theory of block copolymers: bulk melts, surfaces, and thin films. <i>Macromolecules</i> , 1992, 25, 2122-2133.	4.8	189
8	Rapid Gel Formation and Adhesion in Photocurable and Biodegradable Block Copolymers with High DOPA Content. <i>Macromolecules</i> , 2006, 39, 1740-1748.	4.8	183
9	Mean-field theory of polymer interfaces in the presence of block copolymers. <i>Macromolecules</i> , 1990, 23, 4769-4779.	4.8	180
10	Axisymmetric adhesion tests of soft materials. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 489-511.	2.2	175
11	Theory of end-adsorbed polymer brushes in polymeric matrices. <i>Journal of Chemical Physics</i> , 1991, 94, 5723-5738.	3.0	169
12	Segment distributions in lamellar diblock copolymers. <i>Macromolecules</i> , 1993, 26, 3929-3936.	4.8	150
13	Deformation behavior of thin, compliant layers under tensile loading conditions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 4023-4043.	2.1	149
14	Self-Assembly and Adhesion of DOPA-Modified Methacrylic Triblock Hydrogels. <i>Biomacromolecules</i> , 2008, 9, 122-128.	5.4	146
15	Fingering Instabilities of Confined Elastic Layers in Tension. <i>Physical Review Letters</i> , 2000, 84, 3057-3060.	7.8	140
16	Bulk and Interfacial Contributions to the Debonding Mechanisms of Soft Adhesives: Extension to Large Strains. <i>Langmuir</i> , 2001, 17, 4948-4954.	3.5	140
17	Self-Assembly and Stress Relaxation in Acrylic Triblock Copolymer Gels. <i>Macromolecules</i> , 2007, 40, 1218-1226.	4.8	138
18	Strain Stiffening in Synthetic and Biopolymer Networks. <i>Biomacromolecules</i> , 2010, 11, 1358-1363.	5.4	137

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19	Neurotrophin releasing single and multiple lumen nerve conduits. <i>Journal of Controlled Release</i> , 2005, 104, 433-446.	9.9	129
20	Adhesive failure analysis of pressure-sensitive adhesives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 3455-3472.	2.1	122
21	Phase Segregation in Gradient Copolymer Melts. <i>Macromolecules</i> , 2004, 37, 1118-1123.	4.8	122
22	Fracture and large strain behavior of self-assembled triblock copolymer gels. <i>Soft Matter</i> , 2009, 5, 447-456.	2.7	120
23	JKR Studies of Acrylic Elastomer Adhesion to Glassy Polymer Substrates. <i>Macromolecules</i> , 1996, 29, 4381-4390.	4.8	119
24	Molecular Weight Effects in Chain Pullout. <i>Macromolecules</i> , 1994, 27, 3174-3183.	4.8	114
25	Synthesis of 3,4-dihydroxyphenylalanine (DOPA) containing monomers and their co-polymerization with PEG-diacrylate to form hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 449-464.	3.5	106
26	Influence of Hydrophobicity on Polyelectrolyte Complexation. <i>Macromolecules</i> , 2017, 50, 9417-9426.	4.8	105
27	Dynamic Properties of a Model Polymer/Metal Nanocomposite: Gold Particles in Poly(tert-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	103
28	Influence of Molecular Features on the Tackiness of Acrylic Polymer Melts. <i>Macromolecules</i> , 2001, 34, 7448-7458.	4.8	102
29	Interfacial segregation in two-phase polymer blends with diblock copolymer additives: the effect of homopolymer molecular weight. <i>Macromolecules</i> , 1992, 25, 220-225.	4.8	101
30	Interfacial Activity of Gradient Copolymers. <i>Macromolecules</i> , 2002, 35, 8631-8639.	4.8	99
31	Strain Dependence of the Viscoelastic Properties of Alginate Hydrogels. <i>Macromolecules</i> , 2004, 37, 6153-6160.	4.8	98
32	Glass Transition Breadths and Composition Profiles of Weakly, Moderately, and Strongly Segregating Gradient Copolymers: Experimental Results and Calculations from Self-Consistent Mean-Field Theory. <i>Macromolecules</i> , 2009, 42, 7863-7876.	4.8	93
33	Interfacial phase transitions in block copolymer/homopolymer blends. <i>Macromolecules</i> , 1993, 26, 2346-2360.	4.8	89
34	Wetting autophobicity of polymer melts. <i>Faraday Discussions</i> , 1994, 98, 203.	3.2	85
35	Large-Strain Mechanical Behavior of Model Block Copolymer Adhesives. <i>Macromolecules</i> , 2009, 42, 7605-7615.	4.8	79
36	Origins of Mechanical Strength and Elasticity in Thermally Reversible, Acrylic Triblock Copolymer Gels. <i>Macromolecules</i> , 2003, 36, 2000-2008.	4.8	77

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37	Sustained micellar delivery via inducible transitions in nanostructure morphology. <i>Nature Communications</i> , 2018, 9, 624.	12.8	76
38	Structural Development and Adhesion of Acrylic ABA Triblock Copolymer Gels. <i>Macromolecules</i> , 1999, 32, 7251-7262.	4.8	74
39	Titanium with controllable pore fractions by thermoreversible gelcasting of TiH ₂ . <i>Acta Materialia</i> , 2008, 56, 5147-5157.	7.9	72
40	Adhesion of DOPA-Functionalized Model Membranes to Hard and Soft Surfaces. <i>Journal of Adhesion</i> , 2009, 85, 631-645.	3.0	72
41	Large deformation adhesive contact mechanics of circular membranes with a flat rigid substrate. <i>Journal of the Mechanics and Physics of Solids</i> , 2010, 58, 1225-1242.	4.8	69
42	Effects of geometric confinement on the adhesive debonding of soft elastic solids. <i>Physical Review E</i> , 2003, 68, 021805.	2.1	66
43	Quantitative Rheometry of Thin Soft Materials Using the Quartz Crystal Microbalance with Dissipation. <i>Analytical Chemistry</i> , 2018, 90, 4079-4088.	6.5	65
44	Effect of Sequence Distribution on Copolymer Interfacial Activity. <i>Macromolecules</i> , 2005, 38, 10494-10502.	4.8	63
45	Metal-Polymer Interactions in a Polymer/Metal Nanocomposite. <i>Physical Review Letters</i> , 1997, 78, 5006-5009.	7.8	59
46	Study of the Surface Adhesion of Pressure-Sensitive Adhesives by Atomic Force Microscopy and Spherical Indenter Tests. <i>Macromolecules</i> , 2000, 33, 1878-1881.	4.8	59
47	Vanishing interfacial tension in an immiscible polymer blend. <i>Journal of Chemical Physics</i> , 1992, 97, 2095-2104.	3.0	58
48	A contact mechanics method for characterizing the elastic properties and permeability of gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 359-370.	2.1	57
49	Physical properties of hierarchically ordered self-assembled planar and spherical membranes. <i>Soft Matter</i> , 2010, 6, 1816.	2.7	53
50	Versatile and High-Throughput Polyelectrolyte Complex Membranes via Phase Inversion. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16018-16026.	8.0	52
51	Effects of Methylation and Neutralization of Carboxylated Poly(n-butyl acrylate) on the Interfacial and Bulk Contributions to Adhesion. <i>Langmuir</i> , 1998, 14, 3637-3645.	3.5	51
52	Electric Field Controlled Self-Assembly of Hierarchically Ordered Membranes. <i>Advanced Functional Materials</i> , 2012, 22, 369-377.	14.9	51
53	Effects of Substrate Modification on the Interfacial Adhesion of Acrylic Elastomers. <i>Langmuir</i> , 1998, 14, 3646-3654.	3.5	50
54	Adhesion of Thermally Reversible Gels to Solid Surfaces. <i>Langmuir</i> , 1997, 13, 6101-6107.	3.5	49

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55	Influence of solvent size on the mechanical properties and rheology of polydimethylsiloxane-based polymeric gels. <i>Polymer</i> , 2011, 52, 3422-3430.	3.8	46
56	Equilibrium Contact Angle for Polymer/Polymer Interfaces. <i>Macromolecules</i> , 1995, 28, 6349-6353.	4.8	45
57	Dominant Role of Molybdenum in the Electrochemical Deposition of Biological Macromolecules on Metallic Surfaces. <i>Langmuir</i> , 2013, 29, 4813-4822.	3.5	43
58	Self-Assembly of Charge-Containing Copolymers at the Liquid-Liquid Interface. <i>ACS Central Science</i> , 2019, 5, 688-699.	11.3	43
59	Finite-Size Corrections to the JKR Technique for Measuring Adhesion: Soft Spherical Caps Adhering to Flat, Rigid Surfaces. <i>Langmuir</i> , 1997, 13, 1799-1804.	3.5	42
60	Contact Mechanics Studies with the Quartz Crystal Microbalance. <i>Langmuir</i> , 2000, 16, 9825-9829.	3.5	42
61	Assembly of Nanorods into Designer Superstructures: The Role of Templating, Capillary Forces, Adhesion, and Polymer Hydration. <i>ACS Nano</i> , 2010, 4, 259-266.	14.6	40
62	Mechanics of pendant drops and axisymmetric membranes. <i>Soft Matter</i> , 2011, 7, 10508.	2.7	40
63	Rate-Dependent Stiffening and Strain Localization in Physically Associating Solutions. <i>Macromolecules</i> , 2011, 44, 932-939.	4.8	39
64	Energy Renormalization Method for the Coarse-Graining of Polymer Viscoelasticity. <i>Macromolecules</i> , 2018, 51, 3818-3827.	4.8	39
65	Contact measurement of internal fluid flow within poly(n-isopropylacrylamide) gels. <i>Journal of Chemical Physics</i> , 2007, 127, 094906.	3.0	37
66	Streptavidin-Biotin Binding in the Presence of a Polymer Spacer. A Theoretical Description. <i>Langmuir</i> , 2009, 25, 12283-12292.	3.5	37
67	Self-assembly of acrylic triblock hydrogels by vapor-phase solvent exchange. <i>Soft Matter</i> , 2007, 3, 619.	2.7	36
68	Deformation and adhesive contact of elastomeric membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3361-3374.	2.1	36
69	Effects of Solvent Composition on the Assembly and Relaxation of Triblock Copolymer-Based Polyelectrolyte Gels. <i>Macromolecules</i> , 2012, 45, 1631-1635.	4.8	36
70	Upper-critical solution temperature (UCST) polymer functionalized graphene oxide as thermally responsive ion permeable membrane for energy storage devices. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18204-18207.	10.3	36
71	Extreme Strain Localization and Sliding Friction in Physically Associating Polymer Gels. <i>Langmuir</i> , 2012, 28, 4472-4478.	3.5	35
72	End-Adsorbed Polymer Brushes in High- and Low-Molecular-Weight Matrices. <i>Macromolecules</i> , 1996, 29, 2659-2666.	4.8	33

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73	Quartz Crystal Microbalance Studies of Polymer Gels and Solutions in Liquid Environments. <i>Analytical Chemistry</i> , 2006, 78, 1158-1166.	6.5	33
74	High-Frequency Rheological Characterization of Homogeneous Polymer Films with the Quartz Crystal Microbalance. <i>Langmuir</i> , 2014, 30, 9731-9740.	3.5	33
75	Behavior of Gradient Copolymers at Liquid/Liquid Interfaces. <i>Langmuir</i> , 2010, 26, 3261-3267.	3.5	31
76	Wetting Behavior of Polymer Melts on Polydisperse Grafted Polymer Layers. <i>Macromolecules</i> , 1996, 29, 8487-8491.	4.8	30
77	Self-Consistent Field Theory of Gelation in Triblock Copolymer Solutions. <i>Macromolecules</i> , 2009, 42, 8513-8520.	4.8	30
78	Viscoelastic Properties of Electrochemically Deposited Protein/Metal Complexes. <i>Langmuir</i> , 2015, 31, 4008-4017.	3.5	30
79	Thermodynamics of Polymer Blends Organized by Balanced Block Copolymer Surfactants Studied by Mean-Field Theories and Scattering. <i>Macromolecules</i> , 2004, 37, 7401-7417.	4.8	29
80	Metal particle adsorption and diffusion in a model polymer/metal composite system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1417-1422.	2.1	28
81	Thermoreversible Gelcasting: A Novel Ceramic Processing Technique. <i>Journal of the American Ceramic Society</i> , 2002, 85, 1164-1168.	3.8	28
82	Fracture and adhesion of elastomers and gels: Large strains at small length scales. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3436-3439.	2.1	28
83	High Frequency Rheometry of Viscoelastic Coatings with the Quartz Crystal Microbalance. <i>Langmuir</i> , 2011, 27, 9873-9879.	3.5	26
84	Micelle Morphology and Mechanical Response of Triblock Gels. <i>Macromolecules</i> , 2009, 42, 9133-9140.	4.8	24
85	High-Toughness Polycation Cross-Linked Triblock Copolymer Hydrogels. <i>Macromolecules</i> , 2017, 50, 3637-3646.	4.8	24
86	Tough, Transparent, Photocurable Hybrid Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44125-44136.	8.0	23
87	Microkinetic modeling of the autoxidative curing of an alkyd and oil-based paint model system. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 869-878.	2.3	22
88	Direct Molecular Evidence of the Origin of Slip of Polymer Melts on Grafted Brushes. <i>Macromolecules</i> , 2016, 49, 2348-2353.	4.8	22
89	Adhesive and Elastic Properties of Thin Gel Layers. <i>Langmuir</i> , 1999, 15, 4966-4974.	3.5	21
90	Dynamics of Polymer/Metal Nanocomposite Films at Short Times As Studied by X-ray Standing Waves. <i>Macromolecules</i> , 2004, 37, 8357-8363.	4.8	20

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91	Theoretical Analysis of Multiple Phase Coexistence in Polyelectrolyte Blends. <i>Macromolecules</i> , 2015, 48, 6008-6015.	4.8	20
92	Temperature dependent fracture behavior in model epoxy networks with nanoscale heterogeneity. <i>Polymer</i> , 2021, 221, 123560.	3.8	19
93	Large Deformation and Adhesive Contact Studies of Axisymmetric Membranes. <i>Langmuir</i> , 2013, 29, 1407-1419.	3.5	18
94	Simultaneous Determination of Critical Micelle Temperature and Micelle Core Glass Transition Temperature of Block Copolymer-Solvent Systems via Pyrene-Label Fluorescence. <i>Macromolecules</i> , 2013, 46, 4131-4140.	4.8	18
95	pH-Controlled Electrochemical Deposition of Polyelectrolyte Complex Films. <i>Langmuir</i> , 2017, 33, 1834-1844.	3.5	18
96	Modeling the Evolution of Crosslinked and Extractable Material in an Oil-Based Paint Model System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7413-7417.	13.8	18
97	Adhesive Failure of Model Acrylic Pressure Sensitive Adhesives. <i>Journal of Adhesion</i> , 2005, 81, 397-415.	3.0	17
98	Quantitative characterization of alkyd cure kinetics with the quartz crystal microbalance. <i>Polymer</i> , 2016, 103, 387-396.	3.8	17
99	Exploring the effect of humidity on thermoplastic starch films using the quartz crystal microbalance. <i>Carbohydrate Polymers</i> , 2021, 261, 117727.	10.2	17
100	After the paint has dried: a review of testing techniques for studying the mechanical properties of artists' paint. <i>Heritage Science</i> , 2021, 9, .	2.3	17
101	Junction-Controlled Elasticity of Single-Walled Carbon Nanotube Dispersions in Acrylic Copolymer Gels and Solutions. <i>Macromolecules</i> , 2008, 41, 4340-4346.	4.8	16
102	AFM-based Dynamic Scanning Indentation (DSI) Method for Fast, High-resolution Spatial Mapping of Local Viscoelastic Properties in Soft Materials. <i>Macromolecules</i> , 2018, 51, 8964-8978.	4.8	16
103	Control over electroless plating of silver on silica nanoparticles with sodium citrate. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 376-384.	9.4	16
104	Homopolymer Solubilization and Nanoparticle Encapsulation in Diblock Copolymer Micelles. <i>Macromolecules</i> , 2006, 39, 3450-3457.	4.8	15
105	Drop-Shape Analysis of Receptor-Ligand Binding at the Oil/Water Interface. <i>Langmuir</i> , 2008, 24, 2472-2478.	3.5	15
106	Membrane-enhanced surface acoustic wave analysis of grafted polymer brushes. <i>Journal of Applied Physics</i> , 2008, 103, 073517.	2.5	15
107	Anodic Electrodeposition of a Cationic Polyelectrolyte in the Presence of Multivalent Anions. <i>Langmuir</i> , 2016, 32, 7747-7756.	3.5	15
108	Deconvolution of Stress Interaction Effects from Atomic Force Spectroscopy Data across Polymer-Particle Interfaces. <i>Macromolecules</i> , 2019, 52, 8940-8955.	4.8	15

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109	Investigations of the high-frequency dynamic properties of polymeric systems with quartz crystal resonators. <i>Biointerphases</i> , 2020, 15, 021012.	1.6	15
110	Micellar Morphologies of Block Copolymer Solutions near the Sphere/Cylinder Transition. <i>Macromolecules</i> , 2015, 48, 173-183.	4.8	14
111	Validation of quartz crystal rheometry in the megahertz frequency regime. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1246-1254.	2.1	14
112	Guanidinium Can Break and Form Strongly Associating Ion Complexes. <i>ACS Macro Letters</i> , 2019, 8, 117-122.	4.8	14
113	Axisymmetric Adhesion Test To Examine the Interfacial Interactions between Biologically-Modified Networks and Models of the Extracellular Matrix. <i>Langmuir</i> , 2003, 19, 1853-1860.	3.5	13
114	Contact Studies of Weakly Compressed PEG Brushes with a Quartz Crystal Resonator. <i>Langmuir</i> , 2006, 22, 9225-9233.	3.5	13
115	Mechanical and microstructural characterization of sulfonated pentablock copolymer membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 39-47.	2.1	13
116	Fracture and thermal aging of resin-filled silicone elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 263-273.	2.1	13
117	Theoretical Study of Epoxidation Reactions Relevant to Hydrocarbon Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7454-7461.	3.7	13
118	Bulk and Interfacial Contributions to the Adhesion of Acrylic Emulsion-Based Pressure-Sensitive Adhesives. <i>Macromolecules</i> , 2020, 53, 6975-6983.	4.8	13
119	Effects of zinc oxide filler on the curing and mechanical response of alkyd coatings. <i>Polymer</i> , 2020, 191, 122222.	3.8	13
120	Fracture Mechanics Studies of Adhesion in Biological Systems. <i>Journal of Materials Science</i> , 2000, 8, 95-110.	1.2	12
121	Adhesive and mechanical properties of soft nanocomposites: Model studies with blended latex films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 3090-3102.	2.1	12
122	Effect of homopolymer solubilization on triblock gel structure and mechanical response. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1395-1408.	2.1	12
123	Quartz crystal rheometry: A quantitative technique for studying curing and aging in artists' paints. <i>Polymer Degradation and Stability</i> , 2014, 107, 348-355.	5.8	12
124	Electro-Assisted Deposition of Calcium Phosphate on Self-Assembled Monolayers. <i>Electrochimica Acta</i> , 2016, 206, 400-408.	5.2	12
125	Direct measurement of the time-dependent mechanical response of HPMC and PEO compacts during swelling. <i>International Journal of Pharmaceutics</i> , 2012, 434, 494-501.	5.2	11
126	Examination of Mechanisms for Formation of Volatile Aldehydes from Oxidation of Oil-Based Systems. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 139-149.	3.7	11

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127	Quantifying Chemical Composition and Cross-link Effects on EPDM Elastomer Viscoelasticity with Molecular Dynamics. <i>Macromolecules</i> , 2021, 54, 6780-6789.	4.8	11
128	A thermoreversible gelcasting technique for ceramic laminates. <i>Scripta Materialia</i> , 2003, 48, 785-789.	5.2	10
129	Contact Mechanics Studies with the Quartz Crystal Microbalance: Origins of the Contrast Factor for Polymer Gels and Solutions. <i>Langmuir</i> , 2004, 20, 7083-7089.	3.5	10
130	Indentation fracture of silicone gels. <i>Journal of Materials Research</i> , 2009, 24, 957-965.	2.6	10
131	Thickness-Dependent Autophobic Dewetting of Thin Polymer Films on Coated Substrates. <i>Langmuir</i> , 2011, 27, 201-208.	3.5	10
132	Water transport and mechanical response of block copolymer ion-exchange membranes for water purification. <i>Journal of Membrane Science</i> , 2017, 544, 388-396.	8.2	10
133	Oxygen Inhibition of Radical Polymerizations Investigated with the Rheometric Quartz Crystal Microbalance. <i>Macromolecules</i> , 2018, 51, 5511-5518.	4.8	10
134	Elasticity, fracture and thermoreversible gelation of highly filled physical gels. <i>European Physical Journal E</i> , 2005, 17, 477-483.	1.6	9
135	Quartz Crystal Microbalance Studies of the Contact between Soft, Viscoelastic Solids. <i>Langmuir</i> , 2006, 22, 169-173.	3.5	9
136	Effects of Reactive Annealing on the Structure of Poly(methacrylic acid)-Poly(methyl methacrylate) Diblock Copolymer Thin Films. <i>Macromolecules</i> , 2011, 44, 6525-6531.	4.8	9
137	Influence of grafting on the glass transition temperature of PS thin films. <i>European Physical Journal E</i> , 2017, 40, 11.	1.6	9
138	Axisymmetric peel test for adhesion measurement of polymer coatings. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1706-1712.	2.1	8
139	Formation and mechanical characterization of ionically crosslinked membranes at oil-water interfaces. <i>Soft Matter</i> , 2014, 10, 1142.	2.7	8
140	Tuning the Viscoelasticity of Hydrogen-Bonded Polymeric Materials through Solvent Composition. <i>Macromolecules</i> , 2018, 51, 3975-3982.	4.8	8
141	High-Fidelity Hydrogel Thin Films Processed from Deep Eutectic Solvents. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43191-43200.	8.0	8
142	High Density Display of an Anti-Angiogenic Peptide on Micelle Surfaces Enhances Their Inhibition of Integrin-Mediated Neovascularization In Vitro. <i>Nanomaterials</i> , 2020, 10, 581.	4.1	8
143	High-Throughput Screening Test for Adhesion in Soft Materials Using Centrifugation. <i>ACS Central Science</i> , 2021, 7, 1135-1143.	11.3	7
144	Photocured Simultaneous and Sequential PDMS/PMMA Interpenetrating Polymer Networks. <i>Macromolecules</i> , 2022, 55, 5826-5839.	4.8	7

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145	Adhesive Transfer of Thin Viscoelastic Films. <i>Langmuir</i> , 2005, 21, 178-186.	3.5	6
146	Solubility and interfacial segregation of salts in ternary polyelectrolyte blends. <i>Soft Matter</i> , 2017, 13, 4830-4840.	2.7	6
147	Axisymmetric adhesion tests of soft materials. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 489-511.	2.2	6
148	Temperature-Dependent Viscoelastic Energy Dissipation and Fatigue Crack Growth in Filled Silicone Elastomers. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6207-6217.	4.4	6
149	An Interfacial Curvature Map for Homopolymer Interfaces in the Presence of Diblock Copolymers. <i>Macromolecules</i> , 2007, 40, 4721-4723.	4.8	5
150	Welding Kinetics in a Miscible Blend of High-Tg and Low-Tg Polymers. <i>Macromolecules</i> , 2010, 43, 3392-3398.	4.8	5
151	Thermothickening Behavior of Self-Stabilized Colloids Formed from Associating Polymers. <i>Macromolecules</i> , 2019, 52, 4926-4933.	4.8	5
152	QCM Studies of Gel Spreading: Kraton Gels on Polystyrene Surfaces. <i>Langmuir</i> , 2006, 22, 431-439.	3.5	4
153	Sample Preparation in Quartz Crystal Microbalance Measurements of Protein Adsorption and Polymer Mechanics. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	4
154	Adhesive bonding of glassy polymer surfaces by an ultrathin layer of a semicrystalline polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3809-3821.	2.1	3
155	Modeling the Evolution of Crosslinked and Extractable Material in an Oil-Based Paint Model System. <i>Angewandte Chemie</i> , 2018, 130, 7535-7539.	2.0	3
156	Functionalizing a Polyelectrolyte Complex with Chitosan Derivatives to Tailor Membrane Surface Properties. <i>Langmuir</i> , 2020, 36, 12784-12794.	3.5	3
157	Adhesive failure analysis of pressure-sensitive adhesives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 3455-3472.	2.1	2
158	Contact mechanics. , 2002, , 577-604.		1
159	Self-Assembly: Electric Field Controlled Self-Assembly of Hierarchically Ordered Membranes (Adv.) <i>TJ ETQq1 1 0,784314 rgBT /Oved</i>	14.9	1
160	Adhesive failure analysis of pressure-sensitive adhesives. , 1999, 37, 3455.		1
161	Adhesion of Triblock Copolymer-Based Thermoreversible Gels and Pressure Sensitive Adhesives. <i>Materials Research Society Symposia Proceedings</i> , 2000, 629, 1.	0.1	1
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