

# Costantino Creton

## List of Publications by Year in descending order

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218  
papers

13,367  
citations

20759

60  
h-index

28224

105  
g-index

225  
all docs

225  
docs citations

225  
times ranked

8093  
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular interpretation of the toughness of multiple network elastomers at high temperature. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116127119.	3.3	17
2	Heterogeneous nucleation of creases in swelling polymer gels. Physical Review E, 2022, 105, 034504.	0.8	1
3	Dynamics of Hydrogels with a Variable Ratio of Permanent and Transient Cross-Links: Constitutive Model and Its Molecular Interpretation. Macromolecules, 2022, 55, 3550-3562.	2.2	0
4	Molecular Mechanism Underpinning Stable Mechanical Performance and Enhanced Conductivity of Air-Aged Ionic Conductive Elastomers. Macromolecules, 2022, 55, 4665-4674.	2.2	4
5	Controlling Architecture and Mechanical Properties of Polyether Networks with Organoaluminum Catalysts. Macromolecules, 2022, 55, 5601-5609.	2.2	8
6	Fast reversible isomerization of merocyanine as a tool to quantify stress history in elastomers. Chemical Science, 2021, 12, 1693-1701.	3.7	29
7	Mechanochemical tools for polymer materials. Chemical Society Reviews, 2021, 50, 4100-4140.	18.7	228
8	Strain induced strengthening of soft thermoplastic polyurethanes under cyclic deformation. Journal of Polymer Science, 2021, 59, 685-696.	2.0	15
9	Evolution of the Nanostructure and Viscoelastic Properties of Nitrile Rubber upon Mechanical Rejuvenation and Physical Aging. Macromolecules, 2021, 54, 2828-2834.	2.2	5
10	Effect of mesoscale phase contrast on fatigue-delaying behavior of self-healing hydrogels. Science Advances, 2021, 7, .	4.7	37
11	Cyclic fatigue failure of TPU using a crack propagation approach. Polymer Testing, 2021, 97, 107140.	2.3	23
12	Swelling and Mechanical Properties of Polyacrylamide-Derivative Dual-Crosslink Hydrogels Having Metal-Ligand Coordination Bonds as Transient Crosslinks. Gels, 2021, 7, 72.	2.1	4
13	Self-Organization at the Crack Tip of Fatigue-Resistant Thermoplastic Polyurethane Elastomers. Macromolecules, 2021, 54, 8726-8737.	2.2	15
14	Mechanochemistry unveils stress transfer during sacrificial bond fracture of tough multiple network elastomers. Chemical Science, 2021, 12, 11098-11108.	3.7	27
15	3D fluorescent mapping of invisible molecular damage after cavitation in hydrogen exposed elastomers. Soft Matter, 2021, 17, 4266-4274.	1.2	20
16	Why is mechanical fatigue different from toughness in elastomers? The role of damage by polymer chain scission. Science Advances, 2021, 7, eabg9410.	4.7	26
17	SEBS block copolymers as novel materials to design transdermal patches. International Journal of Pharmaceutics, 2020, 575, 118975.	2.6	25
18	Microfocused Beam SAXS and WAXS Mapping at the Crack Tip and Fatigue Crack Propagation in Natural Rubber. Advances in Polymer Science, 2020, , 467-491.	0.4	3

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19	Quantifying Rate- and Temperature-Dependent Molecular Damage in Elastomer Fracture. <i>Physical Review X</i> , 2020, 10, .	2.8	35
20	Topology-Specific Injectable Sticky Hydrogels. <i>Macromolecules</i> , 2020, 53, 9779-9792.	2.2	12
21	From force-responsive molecules to quantifying and mapping stresses in soft materials. <i>Science Advances</i> , 2020, 6, eaaz5093.	4.7	70
22	Coacervate-Based Underwater Adhesives in Physiological Conditions. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3397-3410.	2.0	21
23	Dual Crosslink Hydrogels with Metal-Ligand Coordination Bonds: Tunable Dynamics and Mechanics Under Large Deformation. <i>Advances in Polymer Science</i> , 2020, , 1-20.	0.4	6
24	Time dependent fracture of soft materials: linear versus nonlinear viscoelasticity. <i>Soft Matter</i> , 2020, 16, 6163-6179.	1.2	24
25	Mesoscale bicontinuous networks in self-healing hydrogels delay fatigue fracture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7606-7612.	3.3	86
26	Tuning the Interactions in Multiresponsive Complex Coacervate-Based Underwater Adhesives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 100.	1.8	14
27	Underwater Adhesion of Multiresponsive Complex Coacervates. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901785.	1.9	40
28	Complex Coacervation: Underwater Adhesion of Multiresponsive Complex Coacervates ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	19
29	Linking peel and tack performances of pressure sensitive adhesives. <i>Soft Matter</i> , 2020, 16, 3267-3275.	1.2	26
30	Thermally Triggered Injectable Underwater Adhesives. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900653.	2.0	16
31	Enhancement of the Adhesive Properties by Optimizing the Water Content in PNIPAM-Functionalized Complex Coacervates. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1722-1730.	2.0	23
32	Mechanochromism and optical remodeling of multi-network elastomers containing anthracene dimers. <i>Chemical Science</i> , 2019, 10, 8367-8373.	3.7	62
33	Mechanics of zero degree peel test on a tape "Effects of large deformation, material nonlinearity, and finite bond length. <i>Extreme Mechanics Letters</i> , 2019, 32, 100518.	2.0	16
34	Supramolecular Structure for Large Strain Dissipation and Outstanding Impact Resistance in Polyvinylbutyral. <i>Macromolecules</i> , 2019, 52, 7821-7830.	2.2	18
35	Harnessing entropy to enhance toughness in reversibly crosslinked polymer networks. <i>Soft Matter</i> , 2019, 15, 2190-2203.	1.2	23
36	Hydrophobic Hydrogels: Hydrophobic Hydrogels with Fruit-Like Structure and Functions ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	11.1	3

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37	Hierarchical Sticker and Sticky Chain Dynamics in Self-Healing Butyl Rubber Ionomers. <i>Macromolecules</i> , 2019, 52, 4169-4184.	2.2	48
38	Hydrophobic Hydrogels with Fruit-Like Structure and Functions. <i>Advanced Materials</i> , 2019, 31, e1900702.	11.1	64
39	From Molecular Electrostatic Interactions and Hydrogel Architecture to Macroscopic Underwater Adherence. <i>Macromolecules</i> , 2019, 52, 3852-3862.	2.2	13
40	Temperature and aging dependence of strain-induced crystallization and cavitation in highly crosslinked and filled natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 780-793.	2.4	19
41	Thermoresponsive Complex Coacervate-Based Underwater Adhesive. <i>Advanced Materials</i> , 2019, 31, e1808179.	11.1	137
42	A continuum model for progressive damage in tough multinetwork elastomers. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 125, 523-549.	2.3	30
43	Fracture mechanics of a self-healing hydrogel with covalent and physical crosslinks: A numerical study. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 120, 79-95.	2.3	41
44	Tuning the rheological properties of an ammonium methacrylate copolymer for the design of adhesives suitable for transdermal patches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 238-246.	1.9	9
45	Mechanics of an adhesive tape in a zero degree peel test: effect of large deformation and material nonlinearity. <i>Soft Matter</i> , 2018, 14, 9681-9692.	1.2	21
46	Effect of the Strength of Stickers on Rheology and Adhesion of Supramolecular Center-Functionalized Polyisobutenes. <i>Langmuir</i> , 2018, 34, 12625-12634.	1.6	8
47	Nonlinear Viscoelastic Modeling of Adhesive Failure for Polyacrylate Pressure-Sensitive Adhesives. <i>Macromolecules</i> , 2018, 51, 8605-8610.	2.2	36
48	Equilibrium and Out-of-Equilibrium Adherence of Hydrogels against Polymer Brushes. <i>Macromolecules</i> , 2018, 51, 7556-7566.	2.2	18
49	Time-temperature equivalence in a PVA dual cross-link self-healing hydrogel. <i>Journal of Rheology</i> , 2018, 62, 991-1000.	1.3	25
50	Mechanics of elastomeric molecular composites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9110-9115.	3.3	78
51	Simple model on debonding of soft adhesives. <i>Soft Matter</i> , 2018, 14, 6206-6213.	1.2	20
52	Molecular Weight Dependence of Interdiffusion and Adhesion of Polymers at Short Contact Times. <i>Langmuir</i> , 2017, 33, 1670-1678.	1.6	18
53	Large strain viscoelastic dissipation during interfacial rupture in laminated glass. <i>Soft Matter</i> , 2017, 13, 1624-1633.	1.2	21
54	Molecular stitches for enhanced recycling of packaging. <i>Science</i> , 2017, 355, 797-798.	6.0	23

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55	Water-based acrylic coatings reinforced by PISA-derived fibers. <i>Polymer Chemistry</i> , 2017, 8, 4992-4995.	1.9	47
56	In-situ measurement of the large strain response of the fibrillar debonding region during the steady peeling of pressure sensitive adhesives. <i>International Journal of Fracture</i> , 2017, 204, 175-190.	1.1	32
57	Mechanical properties of nanostructured films with an ultralow volume fraction of hard phase. <i>Polymer</i> , 2017, 109, 187-196.	1.8	29
58	Rheological properties of tough hydrogels based on an associating polymer with permanent and transient crosslinks: Effects of crosslinking density. <i>Journal of Rheology</i> , 2017, 61, 1371-1383.	1.3	36
59	Effects of multifunctional cross-linkers on rheology and adhesion of soft nanostructured materials. <i>Soft Matter</i> , 2017, 13, 7979-7990.	1.2	10
60	50th Anniversary Perspective: Networks and Gels: Soft but Dynamic and Tough. <i>Macromolecules</i> , 2017, 50, 8297-8316.	2.2	301
61	A Model for the Mullins Effect in Multinetwork Elastomers. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	33
62	Covalent Bond Scission in the Mullins Effect of a Filled Elastomer: Real-time Visualization with Mechanoluminescence. <i>Advanced Functional Materials</i> , 2016, 26, 9063-9074.	7.8	132
63	Adhesion and non-linear rheology of adhesives with supramolecular crosslinking points. <i>Soft Matter</i> , 2016, 12, 7174-7185.	1.2	17
64	Combined Effect of Chain Extension and Supramolecular Interactions on Rheological and Adhesive Properties of Acrylic Pressure-Sensitive Adhesives. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33307-33315.	4.0	36
65	Characterizing Large Strain Elasticity of Brittle Elastomeric Networks by Embedding Them in a Soft Extensible Matrix. <i>Advanced Functional Materials</i> , 2016, 26, 2482-2492.	7.8	46
66	Mechanics of an Asymmetric Hard-Soft Lamellar Nanomaterial. <i>ACS Nano</i> , 2016, 10, 2054-2062.	7.3	21
67	Fracture of dual crosslink gels with permanent and transient crosslinks. <i>Extreme Mechanics Letters</i> , 2016, 6, 52-59.	2.0	87
68	Fracture and adhesion of soft materials: a review. <i>Reports on Progress in Physics</i> , 2016, 79, 046601.	8.1	539
69	Mechanical Properties of Self-Recovery Tough Gels with Permanent and Reversible Crosslinks. <i>Kobunshi Ronbunshu</i> , 2015, 72, 597-605.	0.2	0
70	Nanocavitation around a crack tip in a soft nanocomposite: A scanning microbeam small angle X-ray scattering study. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 422-429.	2.4	33
71	Rate-dependent elastic hysteresis during the peeling of pressure sensitive adhesives. <i>Soft Matter</i> , 2015, 11, 3480-3491.	1.2	73
72	Linear rheology of bis-urea functionalized supramolecular poly(butylacrylate)s: Part I – weak stickers. <i>Polymer</i> , 2015, 69, 233-240.	1.8	45

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73	Aperiodic "Bricks and Mortar" Mesophase: a New Equilibrium State of Soft Matter and Application as a Stiff Thermoplastic Elastomer. <i>Macromolecules</i> , 2015, 48, 5378-5384.	2.2	33
74	The elastostatic plane strain mode I crack tip stress and displacement fields in a generalized linear neo-Hookean elastomer. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 84, 21-38.	2.3	13
75	Rheology of a dual crosslink self-healing gel: Theory and measurement using parallel-plate torsional rheometry. <i>Journal of Rheology</i> , 2015, 59, 643-665.	1.3	46
76	Linear Rheology of Supramolecular Polymers Center-Functionalized with Strong Stickers. <i>Macromolecules</i> , 2015, 48, 7320-7326.	2.2	51
77	Structure of Tough Multiple Network Elastomers by Small Angle Neutron Scattering. <i>Macromolecules</i> , 2015, 48, 7945-7952.	2.2	28
78	Microstructure and Self-Assembly of Supramolecular Polymers Center-Functionalized with Strong Stickers. <i>Macromolecules</i> , 2015, 48, 8232-8239.	2.2	27
79	Synthesis and characterization of PEPO grafted carboxymethyl guar and carboxymethyl tamarind as new thermo-associating polymers. <i>Carbohydrate Polymers</i> , 2015, 117, 331-338.	5.1	40
80	Quantitative analysis of the debonding structure of soft adhesives. <i>European Physical Journal E</i> , 2014, 37, 3.	0.7	23
81	Influence of composition on the morphology of polyurethane/acrylic latex particles and adhesive films. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 176-182.	1.4	13
82	Time Dependent Behavior of a Dual Cross-Link Self-Healing Gel: Theory and Experiments. <i>Macromolecules</i> , 2014, 47, 7243-7250.	2.2	166
83	Debonding Mechanisms of Soft Materials at Short Contact Times. <i>Langmuir</i> , 2014, 30, 10626-10636.	1.6	15
84	Probing pH-Responsive Interactions between Polymer Brushes and Hydrogels by Neutron Reflectivity. <i>Langmuir</i> , 2014, 30, 9700-9706.	1.6	8
85	Toughening Elastomers with Sacrificial Bonds and Watching Them Break. <i>Science</i> , 2014, 344, 186-189.	6.0	842
86	Simultaneous Free Radical and Addition Miniemulsion Polymerization: Effect of the Chain Transfer Agent on the Microstructure of Polyurethane-Acrylic Pressure-Sensitive Adhesives. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 53-66.	1.7	28
87	Waterborne hybrid polymer particles: Tuning of the adhesive performance by controlling the hybrid microstructure. <i>European Polymer Journal</i> , 2013, 49, 1541-1552.	2.6	22
88	Debonding energy of PDMS. <i>European Physical Journal E</i> , 2013, 36, 103.	0.7	23
89	Dynamics of Hybrid Polyacrylamide Hydrogels Containing Silica Nanoparticles Studied by Dynamic Light Scattering. <i>Macromolecules</i> , 2013, 46, 4567-4574.	2.2	38
90	Crack propagation at the interface between soft adhesives and model surfaces studied with a sticky wedge test. <i>Soft Matter</i> , 2013, 9, 6515.	1.2	16

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91	Opening and Closing of Nanocavities under Cyclic Loading in a Soft Nanocomposite Probed by Real-Time Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2013, 46, 900-913.	2.2	34
92	Stress-Strain Relationship of Highly Stretchable Dual Cross-Link Gels: Separability of Strain and Time Effect. <i>ACS Macro Letters</i> , 2013, 2, 1065-1068.	2.3	164
93	High-Shear-Strength Waterborne Polyurethane/Acrylic Soft Adhesives. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 612-623.	1.7	46
94	Preload-responsive adhesion: effects of aspect ratio, tip shape and alignment. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130171.	1.5	38
95	Strain induced nanocavitation and crystallization in natural rubber probed by real time small and wide angle X-ray scattering. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1125-1138.	2.4	33
96	pH-Responsive Swelling of Poly(acrylic acid) Brushes Synthesized by the Grafting Onto Route. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2882-2890.	1.1	20
97	Soft Nanostructured Films with an Ultra-Low Volume Fraction of Percolating Hard Phase. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1524-1529.	2.0	45
98	Intelligent Materials with Adaptive Adhesion Properties Based on Comb-like Polymer Brushes. <i>Langmuir</i> , 2012, 28, 16444-16454.	1.6	33
99	Enhanced Adhesion of Elastic Materials to Small-Scale Wrinkles. <i>Langmuir</i> , 2012, 28, 14899-14908.	1.6	78
100	Adhesion of soft viscoelastic adhesives on periodic rough surfaces. <i>Soft Matter</i> , 2012, 8, 5350.	1.2	44
101	Structure of Surfaces and Interfaces of Poly(N,N-dimethylacrylamide) Hydrogels. <i>Langmuir</i> , 2012, 28, 12282-12287.	1.6	20
102	Formation of diblock copolymers at PP/PA6 interfaces and their role in local crystalline organization under fast heating and cooling conditions. <i>Polymer</i> , 2012, 53, 5138-5145.	1.8	7
103	Nanocavitation in Carbon Black Filled Styrene-Butadiene Rubber under Tension Detected by Real Time Small Angle X-ray Scattering. <i>Macromolecules</i> , 2012, 45, 1529-1543.	2.2	109
104	Reversible adhesion between a hydrogel and a polymer brush. <i>Soft Matter</i> , 2012, 8, 8184.	1.2	90
105	pH/Temperature control of interpolymer complexation between poly(acrylic acid) and weak polybases in aqueous solutions. <i>Polymer</i> , 2012, 53, 379-385.	1.8	25
106	Volume changes in a filled elastomer studied via digital image correlation. <i>Polymer Testing</i> , 2012, 31, 663-670.	2.3	33
107	Synthesis and Characterization of Poly(acrylic acid) Brushes: Grafting Onto Route. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 293-300.	1.1	13
108	Effect of polymer-particle interaction on the fracture toughness of silica filled hydrogels. <i>Soft Matter</i> , 2011, 7, 6578.	1.2	46

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109	Supramolecular design for polymer/titanium oxo-cluster hybrids: an open door to new organic-inorganic dynamers. <i>Polymer Chemistry</i> , 2011, 2, 2785.	1.9	8
110	Mechanical Properties of Adhesive Films Obtained from PU-Acrylic Hybrid Particles. <i>Macromolecules</i> , 2011, 44, 2643-2652.	2.2	51
111	Synthesis of Acrylic-Polyurethane Hybrid Latexes by Miniemulsion Polymerization and Their Pressure-Sensitive Adhesive Applications. <i>Macromolecules</i> , 2011, 44, 2632-2642.	2.2	84
112	Waterborne Polyurethane-Acrylic Hybrid Nanoparticles by Miniemulsion Polymerization: Applications in Pressure-Sensitive Adhesives. <i>Langmuir</i> , 2011, 27, 3878-3888.	1.6	105
113	Synthesis, characterization, and rheological properties of hybrid titanium star-shaped poly( <i>n</i> -butyl acrylate). <i>Journal of Polymer Science Part A</i> , 2011, 49, 2636-2644.	2.5	10
114	Fracture of model polyurethane elastomeric networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 355-367.	2.4	35
115	A critical local energy release rate criterion for fatigue fracture of elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1518-1524.	2.4	73
116	Design of Nanostructured Waterborne Adhesives with Improved Shear Resistance. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 31-41.	1.7	47
117	Bioinspired pressure actuated adhesive system. <i>Materials Science and Engineering C</i> , 2011, 31, 1152-1159.	3.8	57
118	Simultaneous free radical and addition miniemulsion polymerization: Effect of the diol on the microstructure of polyurethane-acrylic pressure-sensitive adhesives. <i>Polymer</i> , 2011, 52, 3021-3030.	1.8	40
119	Supramolecular Soft Adhesive Materials. <i>Advanced Functional Materials</i> , 2010, 20, 1803-1811.	7.8	129
120	Improving adhesion of acrylic waterborne PSAs to low surface energy materials: Introduction of stearyl acrylate. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5030-5039.	2.5	32
121	An experimental investigation of fracture by cavitation of model elastomeric networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1409-1422.	2.4	60
122	Rate-dependent frictional adhesion in natural and synthetic gecko setae. <i>Journal of the Royal Society Interface</i> , 2010, 7, 259-269.	1.5	97
123	Miniemulsion Polymerization of 2-Ethylhexyl Acrylate. <i>Polymer Architecture Control and Adhesion Properties</i> . <i>Macromolecules</i> , 2010, 43, 8924-8932.	2.2	34
124	Self-Assembly in Solution of a Reversible Comb-Shaped Supramolecular Polymer. <i>Macromolecules</i> , 2010, 43, 2529-2534.	2.2	57
125	Large Strain and Fracture Properties of Poly(dimethylacrylamide)/Silica Hybrid Hydrogels. <i>Macromolecules</i> , 2010, 43, 2554-2563.	2.2	265
126	Measurement of the receding contact angle at the interface between a viscoelastic material and a rigid surface. <i>Soft Matter</i> , 2010, 6, 2685.	1.2	29



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127	Large strain behaviour of nanostructured polyelectrolyte hydrogels. <i>Polymer</i> , 2009, 50, 481-490.	1.8	47
128	Controlled Sparse and Percolating Cross-Linking in Waterborne Soft Adhesives. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2021-2029.	4.0	27
129	Large-Strain Mechanical Behavior of Model Block Copolymer Adhesives. <i>Macromolecules</i> , 2009, 42, 7605-7615.	2.2	79
130	A Comparison of Tackified, Miniemulsion Core-Shell Acrylic Latex Films with Corresponding Particle-Blend Films: Structure-Property Relationships. <i>Langmuir</i> , 2009, 25, 11021-11031.	1.6	25
131	Fine Tuning the Adhesive Properties of a Soft Nanostructured Adhesive with Rheological Measurements. <i>Journal of Adhesion</i> , 2009, 85, 18-54.	1.8	131
132	Microscopic Modeling of the Dynamics of Frictional Adhesion in the Gecko Attachment System. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3622-3628.	1.2	22
133	Deformation and adhesion of a periodic soft nanocomposite designed with structured polymer colloid particles. <i>Soft Matter</i> , 2009, 5, 1440.	1.2	71
134	Adhesives for Low Energy Surfaces. <i>Macromolecular Symposia</i> , 2009, 281, 181-190.	0.4	9
135	A Molecular Mechanism for Toughening and Strengthening Waterborne Nanocomposites. <i>Advanced Materials</i> , 2008, 20, 90-94.	11.1	33
136	Detachment of stretched viscoelastic fibrils. <i>European Physical Journal E</i> , 2008, 25, 253-266.	0.7	35
137	Adhesion at interfaces between highly entangled polymer melts. <i>Journal of Rheology</i> , 2008, 52, 749-767.	1.3	38
138	Strain induced clustering in polyelectrolyte hydrogels. <i>Soft Matter</i> , 2008, 4, 1011.	1.2	41
139	Adhesion mechanisms at soft polymer interfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 1425-1442.	1.6	70
140	Temperature Stability of the Interfacial Structure between a Sulfonated Crystalline Alkyl Side-Chain Polymer and a Soft Adhesive. <i>Langmuir</i> , 2008, 24, 10169-10173.	1.6	2
141	Pattern Formation during Deformation of a Confined Viscoelastic Layer: From a Viscous Liquid to a Soft Elastic Solid. <i>Physical Review Letters</i> , 2008, 101, 074503.	2.9	134
142	Effect of a Gradient in Viscoelastic Properties on the Debonding Mechanisms of Soft Adhesives. <i>Journal of Adhesion</i> , 2007, 83, 491-505.	1.8	42
143	Synthesis and Viscoelastic Properties of Hydrophobically Modified Hydrogels. <i>Macromolecular Symposia</i> , 2007, 256, 189-194.	0.4	14
144	Sticky Feet: From Animals to Materials. <i>MRS Bulletin</i> , 2007, 32, 466-472.	1.7	90

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145	Role of Chain Interpenetration in the Adhesion between Immiscible Polymer Melts. <i>Macromolecules</i> , 2007, 40, 6325-6332.	2.2	35
146	Large Strain Hysteresis and Mullins Effect of Tough Double-Network Hydrogels. <i>Macromolecules</i> , 2007, 40, 2919-2927.	2.2	573
147	Synthesis and Rheological Behavior of New Hydrophobically Modified Hydrogels with Tunable Properties. <i>Macromolecules</i> , 2006, 39, 8128-8139.	2.2	84
148	Effect of the Diblock Content on the Adhesive and Deformation Properties of PSAs Based on Styrenic Block Copolymers. , 2006, , 337-363.		7
149	Machine compliance and hardening effects on cavity growth in soft adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2006, 26, 117-124.	1.4	3
150	Rheology of poly(N-vinyl pyrrolidone)â€“poly(ethylene glycol) adhesive blends under shear flow. <i>Journal of Applied Polymer Science</i> , 2006, 100, 522-537.	1.3	20
151	Controlling Tack with Bicomponent Polymer Brushes. <i>Advanced Materials</i> , 2006, 18, 2624-2628.	11.1	28
152	Waterborne, Nanocomposite Pressure-Sensitive Adhesives with High Tack Energy, Optical Transparency, and Electrical Conductivity. <i>Advanced Materials</i> , 2006, 18, 2730-2734.	11.1	130
153	Adhesive and Rheological Properties of Lightly Crosslinked Model Acrylic Networks. <i>Journal of Adhesion</i> , 2006, 82, 267-310.	1.8	79
154	Assessing the effect of latex particle size and distribution on the rheological and adhesive properties of model waterborne acrylic pressure-sensitive adhesives films. <i>Journal of Colloid and Interface Science</i> , 2005, 281, 325-338.	5.0	57
155	Cavity growth in soft adhesives. <i>European Physical Journal E</i> , 2005, 17, 389-401.	0.7	83
156	Investigation of shear failure mechanisms of pressure-sensitive adhesives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3316-3330.	2.4	38
157	A statistical method for the prediction of the loop tack and the peel of PSAs from probe test measurements. <i>Measurement Science and Technology</i> , 2005, 16, 2020-2029.	1.4	4
158	Adhesion between Chemically Heterogeneous Switchable Polymeric Brushes and an Elastomeric Adhesive. <i>Langmuir</i> , 2005, 21, 7722-7725.	1.6	34
159	Reinforcement of polystyrene by covalently bonded oxo-titanium clusters. <i>Progress in Solid State Chemistry</i> , 2005, 33, 127-135.	3.9	29
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