

Byung Kyu Kim

List of Publications by Year in descending order

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173
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173
times ranked

5150
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#	ARTICLE	IF	CITATIONS
1	Polyurethanes having shape memory effects. <i>Polymer</i> , 1996, 37, 5781-5793.	3.8	671
2	Properties of Waterborne Polyurethane/Functionalized Graphene Sheet Nanocomposites Prepared by an in situ Method. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1247-1254.	2.2	267
3	Properties of Graphene/Waterborne Polyurethane Nanocomposites Cast from Colloidal Dispersion Mixtures. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 197-207.	1.0	263
4	Morphology and properties of waterborne polyurethane/clay nanocomposites. <i>European Polymer Journal</i> , 2003, 39, 85-91.	5.4	252
5	Graphite oxides as effective fire retardants of epoxy resin. <i>Macromolecular Research</i> , 2011, 19, 66-71.	2.4	242
6	Morphological and physical properties of a thermoplastic polyurethane reinforced with functionalized graphene sheet. <i>Polymer International</i> , 2009, 58, 412-417.	3.1	230
7	Polyurethane ionomers having shape memory effects. <i>Polymer</i> , 1998, 39, 2803-2808.	3.8	212
8	Studies on thermally stimulated shape memory effect of segmented polyurethanes. <i>Journal of Applied Polymer Science</i> , 1997, 64, 1511-1516.	2.6	199
9	Crystallinity and morphology of segmented polyurethanes with different soft-segment length. <i>Journal of Applied Polymer Science</i> , 1996, 62, 631-638.	2.6	196
10	Graphene Modified Lipophilically by Stearic Acid and its Composite With Low Density Polyethylene. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1193-1204.	1.0	182
11	Waterborne polyurethanes and their properties. <i>Journal of Polymer Science Part A</i> , 1996, 34, 1095-1104.	2.3	169
12	Synthesis and characterizations of waterborne polyurethane-silica hybrids using sol-gel process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 559-567.	4.7	132
13	Shape-memory behavior of segmented polyurethanes with an amorphous reversible phase: The effect of block length and content. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 2652-2657.	2.1	128
14	Shape memory polyurethane containing amorphous reversible phase. <i>Journal of Materials Science</i> , 2000, 35, 1579-1583.	3.7	117
15	Morphological, thermal and rheological properties of the blends polypropylene/nylon-6, polypropylene/nylon-6/(maleic anhydride-g-polypropylene) and (maleic Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 177 Td (anhydride	5.0	177
16	Functionalized graphene sheet/polyurethane nanocomposites: Effect of particle size on physical properties. <i>Macromolecular Research</i> , 2011, 19, 809-814.	2.4	102
17	Water vapor permeability of shape memory polyurethane with amorphous reversible phase. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 3009-3017.	2.1	97
18	Enhancement of hydrolytic stability and adhesion of waterborne polyurethanes. <i>Journal of Applied Polymer Science</i> , 2005, 97, 1961-1969.	2.6	91

#	ARTICLE	IF	CITATIONS
19	Temperature sensitive water vapour permeability and shape memory effect of polyurethane with crystalline reversible phase and hydrophilic segments. <i>Polymer International</i> , 2000, 49, 1714-1721.	3.1	87
20	Preparation and Properties of Water-borne Polyurethanes. <i>Polymer International</i> , 1997, 42, 67-76.	3.1	86
21	IPDI-based polyurethane ionomer dispersions: Effects of ionic, nonionic hydrophilic segments, and extender on particle size and physical properties of emulsion cast film. <i>Journal of Applied Polymer Science</i> , 1991, 43, 2295-2301.	2.6	85
22	Effect of soft segment length on the properties of polyurethane anionomer dispersion. <i>Polymer</i> , 1994, 35, 1095-1099.	3.8	82
23	Miscibility and shape memory effect of thermoplastic polyurethane blends with phenoxy resin. <i>European Polymer Journal</i> , 2001, 37, 2245-2252.	5.4	81
24	Synthesis and properties of near IR induced self-healable polyurethane/graphene nanocomposites. <i>European Polymer Journal</i> , 2013, 49, 3889-3896.	5.4	76
25	Morphological, thermal and rheological properties of blends: Polyethylene/nylon-6, polyethylene/nylon-6/(maleic anhydride-g-polyethylene) and (maleic anhydride-g-polyethylene)/nylon-6. <i>European Polymer Journal</i> , 1991, 27, 349-354.	5.4	74
26	Shape memory polyurethanes cross-linked by surface modified silica particles. <i>Journal of Materials Chemistry</i> , 2009, 19, 1166.	6.7	72
27	Miscibility and shape memory property of poly(vinyl chloride)/thermoplastic polyurethane blends. <i>Journal of Materials Science</i> , 2001, 36, 5457-5463.	3.7	71
28	Structure-property relationship of polyurethane ionomer. <i>Colloid and Polymer Science</i> , 1992, 270, 956-961.	2.1	68
29	Shape memory polyurethanes having crosslinks in soft and hard segments. <i>Smart Materials and Structures</i> , 2004, 13, 1345-1350.	3.5	65
30	Physical properties of ABS/SMA/nylon-6 ternary blends: effect of blending sequence. <i>Polymer</i> , 1993, 34, 2075-2080.	3.8	64
31	Properties of Graphene/Shape Memory Thermoplastic Polyurethane Composites Actuating by Various Methods. <i>Materials</i> , 2014, 7, 1520-1538.	2.9	63
32	Aqueous dispersion of polyurethanes from H12MDI, PTAd/PPG, and DMPA: Particle size of dispersion and physical properties of emulsion cast films. <i>Journal of Applied Polymer Science</i> , 1991, 43, 393-398.	2.6	61
33	Shape memory polyurethane nanocomposites with functionalized graphene. <i>Smart Materials and Structures</i> , 2012, 21, 075017.	3.5	61
34	Waterborne polyurethane nanocomposites having shape memory effects. <i>Journal of Polymer Science Part A</i> , 2011, 49, 634-641.	2.3	59
35	Polyurethane ionomer dispersions from poly(neopentylene phthalate) glycol and isophorone diisocyanate. <i>Polymer</i> , 1996, 37, 469-475.	3.8	58
36	Surface modification of waterborne polyurethane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 290, 178-185.	4.7	56

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37	Effect of isocyanate index on the properties of rigid polyurethane foams blown by HFC 365mfc. <i>Macromolecular Research</i> , 2008, 16, 467-472.	2.4	50
38	Novel cationically polymerized epoxy/poly(ϵ -caprolactone) polymers showing a shape memory effect. <i>Polymer</i> , 2012, 53, 6089-6095.	3.8	50
39	Covalent incorporation of starch derivative into waterborne polyurethane for biodegradability. <i>Carbohydrate Polymers</i> , 2012, 87, 1803-1809.	10.2	50
40	High-Performance Transmission Holographic Gratings via Different Polymerization Rates of Dipentaerythritol Acrylates and Siloxane-Containing Epoxides. <i>Chemistry of Materials</i> , 2005, 17, 6263-6271.	6.7	49
41	Aqueous dispersion of polyurethanes containing ionic and nonionic hydrophilic segments. <i>Journal of Applied Polymer Science</i> , 1994, 54, 1809-1815.	2.6	47
42	Reactive melt blends of nylon with poly(styrene-co-maleic anhydride). <i>Journal of Applied Polymer Science</i> , 1991, 43, 357-363.	2.6	43
43	Reactive extrusion of PP/natural rubber blends. <i>Journal of Applied Polymer Science</i> , 1995, 56, 239-246.	2.6	43
44	UV curable polyurethane dispersions from polyisocyanate and organosilane. <i>Progress in Organic Coatings</i> , 2008, 62, 258-264.	3.9	43
45	Study on the Shape Memory Polyamides. Synthesis and Thermomechanical Properties of Polycaprolactone-Polyamide Block Copolymer. <i>Polymer Journal</i> , 2000, 32, 23-28.	2.7	41
46	High solid and high performance UV cured waterborne polyurethanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 370, 58-63.	4.7	41
47	Synthesis of self-healing polyurethane urea-based supramolecular materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 468-474.	2.1	41
48	UV-curable poly(ethylene glycol)-based polyurethane acrylate hydrogel. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2703-2709.	2.3	40
49	Viscosity effect in polyolefin ternary blends and composites. <i>Journal of Applied Polymer Science</i> , 1993, 48, 1271-1278.	2.6	39
50	Miscible and immiscible blends of ABS with PMMA. I. Morphology and rheology. <i>Journal of Applied Polymer Science</i> , 1993, 47, 295-304.	2.6	38
51	Modification of waterborne polyurethanes by acrylate incorporations. <i>Journal of Applied Polymer Science</i> , 1995, 58, 1117-1124.	2.6	36
52	Blue and red dual emission nanophosphor CaMgSi ₂ O ₆ :Eu ⁺ ; crystal structure and electronic configuration. <i>Journal of Luminescence</i> , 2012, 132, 659-664.	3.1	36
53	The modification of graphene with alcohols and its use in shape memory polyurethane composites. <i>Polymer International</i> , 2013, 62, 54-63.	3.1	36
54	Preparations and Properties of Waterborne Polyurethane / Nanosilica Composites. <i>Polymer Bulletin</i> , 2005, 54, 123-128.	3.3	35

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55	Nanosized-Silica-Reinforced Holographic Polymer-Dispersed Liquid Crystals. <i>Macromolecular Rapid Communications</i> , 2006, 27, 553-557.	3.9	35
56	Effects of the hydroxyl value of polyol in rigid polyurethane foams. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1729-1734.	3.2	35
57	Ultralow density polyethylene blends with polypropylene. <i>Polymer Engineering and Science</i> , 1991, 31, 944-953.	3.1	33
58	Crosslinking reactions of oxidized cellulose fiber. I. Reactions between dialdehyde cellulose and multifunctional amines on lyocell fabric. <i>Journal of Applied Polymer Science</i> , 2010, 117, 682-690.	2.6	33
59	Basic structureâ€“property behavior of polyurethane cationomers. <i>Journal of Polymer Science Part A</i> , 1994, 32, 1983-1989.	2.3	32
60	Hydrolytic stability and physical properties of waterborne polyurethane based on hydrolytically stable polyol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 305, 126-131.	4.7	32
61	High performance UV cured polyurethane dispersion. <i>Polymer Degradation and Stability</i> , 2007, 92, 1677-1681.	5.8	32
62	High performance UV curable polyurethane dispersions by incorporating multifunctional extender. <i>Progress in Organic Coatings</i> , 2007, 60, 17-23.	3.9	32
63	Compatibility enhancement of ABS/PVC blends. <i>Journal of Applied Polymer Science</i> , 1998, 70, 705-709.	2.6	31
64	Properties of waterborne polyurethane/nanosilica composite. <i>Macromolecular Research</i> , 2003, 11, 198-201.	2.4	31
65	Reflective mode of HPDLC with various structures of polyurethane acrylates. <i>Polymer</i> , 2003, 44, 1595-1602.	3.8	31
66	Polyurethane Ionomers from Cycloaliphatic Diisocyanate and Polytetramethylene Glycol. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1992, 29, 1207-1221.	2.2	30
67	Controls of solubility parameter and crosslinking density in polyurethane acrylate based holographic polymer dispersed liquid crystal. <i>Optics Communications</i> , 2005, 247, 125-132.	2.1	30
68	Low driving voltage holographic polymer dispersed liquid crystals with chemically incorporated graphene oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 19226.	6.7	29
69	Melt rheology of poly(ethylene terephthalate), polyarylate, and their blends. <i>Journal of Applied Polymer Science</i> , 1990, 40, 1805-1818.	2.6	28
70	Binary blends of nylons with ethylene vinyl alcohol copolymers: Morphological, thermal, rheological, and mechanical behavior. <i>Polymer Engineering and Science</i> , 1990, 30, 341-349.	3.1	27
71	Miscible and immiscible blends of ABS with PMMA. II. Mechanical and surface properties. <i>Journal of Applied Polymer Science</i> , 1993, 47, 1581-1587.	2.6	27
72	Effect of prepolymer structure on the electro-optic performance of polymer dispersed liquid crystals. <i>Polymer International</i> , 1998, 46, 143-149.	3.1	27

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73	Polymer network liquid crystals from u.v. curable polyurethane acrylate. <i>Polymer</i> , 1998, 39, 5949-5959.	3.8	27
74	Improvement of holographic performance by novel photopolymer systems with siloxane-containing epoxides. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 319-323.	6.1	27
75	Electrochemical behavior of a new type of perfluorinated carboxylate membrane/platinum composite. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2687-2693.	2.6	26
76	Compatibilizing effect of graphite oxide in graphene/PMMA nanocomposites. <i>Macromolecular Research</i> , 2009, 17, 626-629.	2.4	25
77	Shape memory hyperbranched polyurethanes via thiol-ene click chemistry. <i>Reactive and Functional Polymers</i> , 2017, 116, 92-100.	4.1	25
78	Aqueous polyurethane dispersions: Effects of dmpa and bisphenol a polyol on dispersion and physical properties of emulsion cast films. <i>Polymer International</i> , 1992, 28, 157-162.	3.1	24
79	Effect of Blowing Agent Type in Rigid Polyurethane Foam. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 323-327.	2.2	24
80	Effect of graphene doping of holographic polymer-dispersed liquid crystals. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1418-1423.	2.3	24
81	Effects of the functionality of polyol in rigid polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2008, 110, 49-54.	2.6	23
82	Polyurethane Anionomer Dispersion from Ether-Type Polyols and Isophorone Diisocyanate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994, 31, 1241-1257.	2.2	22
83	Shape memory effects of molded flexible polyurethane foam. <i>Smart Materials and Structures</i> , 2007, 16, 2486-2491.	3.5	22
84	Effect of pyrene treatment on the properties of graphene/epoxy nanocomposites. <i>Macromolecular Research</i> , 2010, 18, 1125-1128.	2.4	22
85	Rheological properties of UHMWPE/iPP blends. <i>Polymers for Advanced Technologies</i> , 2009, 20, 1121-1126.	3.2	21
86	Synthesis and properties of waterborne polyurethane/hydroxyapatite chemical hybrids. <i>Progress in Organic Coatings</i> , 2019, 128, 69-74.	3.9	21
87	Reactive extrusion of polyolefin ternary blends. <i>Journal of Applied Polymer Science</i> , 1996, 60, 2199-2206.	2.6	20
88	Compatibility of poly(vinylidene fluoride) (PVDF)/polyamide 12 (PA12) blends. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1374-1380.	2.6	20
89	Porous hydroxyapatite scaffolds containing calcium phosphate glass-ceramics processed using a freeze/gel-casting technique. <i>Metals and Materials International</i> , 2014, 20, 135-140.	3.4	20
90	Modification of aqueous polyurethanes via latex AB crosslinked polymers. <i>Journal of Applied Polymer Science</i> , 2001, 82, 1315-1322.	2.6	18

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91	Thermoplastic polyurethane elastomer/thermoplastic polyolefin elastomer blends compatibilized with a polyolefinic segment in TPU. <i>Macromolecular Research</i> , 2010, 18, 177-184.	2.4	18
92	Direct covalent modification of thermally exfoliated graphene forming functionalized graphene stably dispersible in water and poly(vinyl alcohol). <i>Colloid and Polymer Science</i> , 2013, 291, 2365-2374.	2.1	18
93	Copolymer composition-dependent light transmission of polymer/liquid crystals composite films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 55-64.	2.1	17
94	Effect of monoacrylate type in UV curable PU acrylate based bicontinuous polymer/liquid crystal networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 1393-1399.	2.1	17
95	Fabrication of reflective holographic gratings with polyurethane acrylate (PUA). <i>Current Applied Physics</i> , 2002, 2, 249-252.	2.4	17
96	Structured polyurethanes for oil uptake. <i>Journal of Applied Polymer Science</i> , 2005, 98, 2080-2087.	2.6	16
97	Effects of chain extender in biodegradable polyurethane foams. <i>Journal of Polymer Engineering</i> , 2014, 34, 555-559.	1.4	16
98	Morphologies and electro-optic properties of polystyrene/liquid crystal composite films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 561-567.	2.1	15
99	Diffraction grating in noncrosslinked polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 613-620.	2.1	15
100	The properties of functionalized graphene sheet/poly(ethyl methacrylate) nanocomposites: The effects of preparation method. <i>Macromolecular Research</i> , 2011, 19, 379-384.	2.4	15
101	Dynamic mechanical properties of poly(vinyl chloride) and polyurethane carboxylate blends. <i>Journal of Applied Polymer Science</i> , 1994, 51, 2187-2190.	2.6	14
102	Optimization of Holographic PDLC for Binary Monomers. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 326, 319-331.	0.3	14
103	Chemical hybridization of waterborne polyurethane with β -cyclodextrin by sol-gel reaction. <i>Progress in Organic Coatings</i> , 2017, 111, 107-111.	3.9	14
104	Temperature-sensitive Amorphous Polyurethanes. <i>Journal of Macromolecular Science - Physics</i> , 2004, 43, 447-458.	1.0	13
105	Morphology and switching of holographic gratings containing an azo dye. <i>Liquid Crystals</i> , 2007, 34, 527-533.	2.2	13
106	Dual effects of fullerene doped to holographic polymer dispersed liquid crystals. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5590-5596.	2.3	13
107	Synthesis and properties of shape memory graphene oxide/polyurethane chemical hybrids. <i>Polymer International</i> , 2014, 63, 1197-1202.	3.1	13
108	Reactive melt blends of thermoplastic polyolefins, MAH-g-PP and nylon 6. <i>Polymers for Advanced Technologies</i> , 2004, 15, 419-424.	3.2	12

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109	Characterization of ultra low density polyethylenes (PE-ULD). <i>Angewandte Makromolekulare Chemie</i> , 1992, 194, 91-101.	0.2	11
110	Effect of oligomeric surface modifying agent on electro-optical properties of polymer dispersed liquid crystal. <i>European Polymer Journal</i> , 2006, 42, 2667-2671.	5.4	11
111	Surface modification of high heat resistant UV cured polyurethane dispersions. <i>European Polymer Journal</i> , 2007, 43, 4271-4278.	5.4	11
112	Reactive hot melt polyurethane adhesives modified by acrylic copolymer nanocomposites. <i>Macromolecular Research</i> , 2009, 17, 879-885.	2.4	11
113	Morphology and physical properties of SAN/NBR blends: The effect of AN content in NBR. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1861-1868.	2.6	10
114	Preparation and characterization of electroactive acrylic polymer-platinum composites. <i>Macromolecular Research</i> , 2004, 12, 593-597.	2.4	10
115	Modification of polystyrene by reactive extrusion with peroxide and trimethylolpropane triacrylate. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1672-1679.	2.6	10
116	Improved Adhesion of Waterborne Polyurethanes by Hybridizations. <i>Journal of Adhesion</i> , 2008, 84, 1-14.	3.0	10
117	Effect of Copolymer Composition on the Domain Morphology and Electrooptic Properties of Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 261, 605-616.	0.3	9
118	Polypropylene blends with a phenoxy. <i>Journal of Applied Polymer Science</i> , 1996, 60, 779-785.	2.6	9
119	Modified polyacrylonitrile blends with cellulose acetate: Fibers' properties. <i>Journal of Applied Polymer Science</i> , 1997, 64, 1937-1946.	2.6	9
120	Electro-optic properties of CO ₂ fixed-polymer/nematic LC composite films. <i>Journal of Applied Polymer Science</i> , 2001, 81, 2744-2753.	2.6	9
121	Holographic polymer-dispersed liquid crystal fabrication under electric field. <i>Polymer International</i> , 2005, 54, 922-925.	3.1	9
122	Styrenic polymer/organoclay nanocomposite prepared via in-situ polymerization with an azoinitiator linked to an epoxy oligomer. <i>Macromolecular Research</i> , 2006, 14, 610-616.	2.4	9
123	The effect of organoclay on the properties of a reactive hot melt polyurethane adhesive. <i>Composite Interfaces</i> , 2007, 14, 467-476.	2.3	9
124	Polyurethane nano-composite with functionalized silica particle. <i>Composite Interfaces</i> , 2008, 15, 549-559.	2.3	9
125	Mechanical and surface properties and hydrolytic stability of cycloaliphatic polyester-based waterborne polyurethanes modified with fluoro oligomer. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1828-1834.	2.6	9
126	High-performance holographic polymer-dispersed liquid crystals by incorporating hyperbranched polymers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1255-1261.	2.3	9

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127	Blends of Epoxidized Natural Rubber with Chloroprene Rubber. Polymer-Plastics Technology and Engineering, 1993, 32, 167-180.	1.9	8
128	Natural rubber blends with epoxidized natural rubber. Journal of Macromolecular Science - Physics, 1997, 36, 579-594.	1.0	8
129	Electron Magnetic Resonance Study on the Mobility of Nitroxide Spin Probes in the Dipalmitoylphosphatidylcholine Lipid Bilayers: Effect of Poly(ethylene glycol). Langmuir, 1998, 14, 5184-5187.	3.5	8
130	Preparation of Holographic Gratings of Liquid Crystals Dispersed in Polyurethane Acrylates under Controlled Reaction Conditions. ChemPhysChem, 2006, 7, 2008-2014.	2.1	8
131	Effects of initiator type in rigid polyurethane foams. Polymer Engineering and Science, 2008, 48, 1518-1523.	3.1	8
132	Aminated polyacrylonitrile blends with cellulose acetate. Journal of Macromolecular Science - Physics, 1997, 36, 667-679.	1.0	7
133	Structure-property behavior of polyurethanes, polyurethane ionomers, and their acrylates. Macromolecular Symposia, 1997, 118, 195-198.	0.7	7
134	Multi-block copolymer dispersions through polyurethane macroiniferters. Polymer Bulletin, 1998, 40, 675-681.	3.3	7
135	Reactive blends of polyamide 6 with polyester elastomer using coupling agents. Journal of Applied Polymer Science, 2004, 91, 3966-3973.	2.6	7
136	Transmission holographic polymer-dispersed liquid crystal based on fluorinated polymer matrices. Liquid Crystals, 2008, 35, 987-994.	2.2	7
137	Blends of polyacrylonitrile with polyurethane Ionomers. Journal of Macromolecular Science - Physics, 1994, 33, 243-258.	1.0	6
138	Morphology and physical properties of SAN/NBR blends: The effect of AN content and melt viscosity of SAN. Journal of Applied Polymer Science, 1999, 73, 935-941.	2.6	6
139	Thermal properties and crystallization behavior of polyolefin ternary blends. Polymer Engineering and Science, 2004, 44, 1858-1865.	3.1	6
140	Design of holographic polymer-dispersed liquid crystals based on solubility parameters. Polymer International, 2008, 57, 626-631.	3.1	6
141	The Properties of Reactive Hot Melt Polyurethane Adhesives: Effects of Molecular Weight and Reactive Organoclay. Polymer-Plastics Technology and Engineering, 2009, 48, 932-938.	1.9	6
142	Effects of multiwalled carbon nanotube on holographic polymer dispersed liquid crystal. Polymers for Advanced Technologies, 2011, 22, 1993-2000.	3.2	6
143	Organic-inorganic nanocomposites for shape memory effects. High Performance Polymers, 2011, 23, 518-525.	1.8	6
144	Actuation design for high-performance shape memory polyurethanes. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1473-1479.	2.1	6

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145	Melt blends of SAN with phenoxy. Journal of Macromolecular Science - Physics, 1994, 33, 317-332.	1.0	5
146	ABS blends with phenoxy: morphology, thermal, mechanical and rheological properties. Polymers for Advanced Technologies, 1994, 5, 327-332.	3.2	5
147	Solution blends of polyacrylonitrile with segmented polyurethanes: Effect of soft segments. Journal of Macromolecular Science - Physics, 1995, 34, 199-214.	1.0	5
148	Melt blends of SAN with a phenoxy. Polymer Engineering and Science, 1996, 36, 1495-1501.	3.1	5
149	Morphology and Physical Properties of ABS/NBR: The Effect of Melt Viscosity of SAN and the Content of NBR. Journal of Macromolecular Science - Physics, 2000, 39, 691-700.	1.0	5
150	Holographic polymer-dispersed liquid crystals using vinyltrimethylsilane. Polymer International, 2009, 58, 171-176.	3.1	5
151	Maleic anhydride grafted polyethylene powder coated with epoxy resin: A novel reactive hot melt adhesive. Journal of Applied Polymer Science, 2010, 116, 328-332.	2.6	5
152	Miscibility of poly(styrene-co-acrylonitrile) with random copolymers of tetramethyl bisphenol-A polyarylate and tetrabromo bisphenol-A polyarylate. Polymer Bulletin, 1994, 33, 237-239.	3.3	4
153	Polyurethane-poly(methyl methacrylate) block copolymer dispersions through polyurethane macroiniferters. Journal of Applied Polymer Science, 2003, 88, 1971-1975.	2.6	4
154	Interface modification of polymer stabilized cholesteric liquid crystal. Polymers for Advanced Technologies, 2009, 20, 501-506.	3.2	4
155	Wavelength conversion using rare earth doped oxides in polyolefin based nanocomposite films. Polymer International, 2012, 61, 943-950.	3.1	4
156	Effects of prepolymer structure in holographic polymer dispersed liquid crystal. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 938-943.	2.1	4
157	Waterborne polyurethane elastomer using renewable polyols. Journal of Elastomers and Plastics, 2016, 48, 47-57.	1.5	4
158	Polycarbonate Blends with Maleic Anhydride-G-Polypropylene. Journal of Polymer Engineering, 1991, 10, .	1.4	3
159	Polyethylene blends with a phenoxy. Journal of Macromolecular Science - Physics, 1996, 35, 129-146.	1.0	3
160	Holographic polymer dispersed liquid crystals using vinyltrimethoxysilane. Optics Communications, 2009, 282, 1541-1545.	2.1	3
161	Optimization of Holographic PDLC for Green. Molecular Crystals and Liquid Crystals, 2001, 368, 87-96.	0.3	2
162	Polyurethane acrylate-stabilized cholesteric liquid crystal dispersions. Liquid Crystals, 2006, 33, 469-478.	2.2	2

#	ARTICLE	IF	CITATIONS
163	Characterization and property correlations of amorphous poly(alpha olefin). Journal of Applied Polymer Science, 2007, 105, 469-476.	2.6	2
164	Holographicâ€‘polymerâ€‘dispersed liquid crystals doped with poly(vinyl carbazole)â€‘fullerene. Journal of Applied Polymer Science, 2008, 109, 3108-3113.	2.6	2
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166	Holographic PDLC Containing Fluorine Segments. Bulletin of the Chemical Society of Japan, 2008, 81, 773-777.	3.2	2
167	Polyurea-reinforced polyacrylonitrile. Journal of Macromolecular Science - Physics, 1999, 38, 367-378.	1.0	1
168	Fabrication of Reflective Holographic PDLC for Blue. Molecular Crystals and Liquid Crystals, 2001, 368, 77-85.	0.3	1
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171	Morphologies and electro-optic properties of phenoxy/liquid crystal composite films. Polymers for Advanced Technologies, 1995, 6, 42-46.	3.2	0
172	Characterization of Photochromic Azobenzene Derivatives in the Liquid Crystalline Matrix. Molecular Crystals and Liquid Crystals, 2002, 377, 309-312.	0.9	0
173	Photoinduced reaction of lyocell with water-soluble photoinitiator and multifunctional acrylate. Fibers and Polymers, 2010, 11, 824-831.	2.1	0