Seiichi Kawahara

List of Publications by Year
in descending order

185	3,080	172207	243296
papers	citations	29 h-index	44 g-index

186	186	186	1354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and properties of colloidal silica-filled natural rubber grafted with poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.7	7
2	Temperature glass and conductivity behavior of epoxy deproteinized natural rubber in ternary blend of EDPNR/PMMA/LiCF₃SO₃. Progress in Rubber, Plastics and Recycling Technology, 2022, 38, 89-98.	0.8	1
3	Graphene matrix formation in a natural rubber dispersoid. Polymer Journal, 2022, 54, 727-733.	1.3	3
4	Effect of naturally occurring proteins on graft copolymerization of vinyltriethoxysilane on natural rubber. Polymer Journal, 2022, 54, 633-641.	1.3	2
5	Synthetic Rubber with the Tensile Strength of Natural Rubber. ACS Applied Polymer Materials, 2022, 4, 2323-2328.	2.0	14
6	Preparation and application of epoxidized natural rubber from Artocarpus heterophyllus gum. Polymer Bulletin, 2021, 78, 5137-5152.	1.7	2
7	Electromagnetic shielding material based on hydrogenated natural rubber/expanded graphite blend: Preparation and characterization. Polymers for Advanced Technologies, 2021, 32, 3008-3017.	1.6	2
8	Quantitative analysis of crosslinking junctions of vulcanized natural rubber through rubber-state NMR spectroscopy. Polymer Testing, 2021, 96, 107130.	2.3	17
9	ATRP-ARGET of a Styrene Monomer onto Modified Natural Rubber Latex as an Initiator. Langmuir, 2021, 37, 6151-6157.	1.6	7
10	ORIGIN OF ENERGETIC ELASTICITY AND ENTROPIC ELASTICITY OF NATURAL RUBBER WITH NANODIAMOND NANOMATRIX STRUCTURE. Rubber Chemistry and Technology, 2021, 94, 704-719.	0.6	2
11	PROTEIN INFLUENCE ON THE MECHANICAL PROPERTIES OF NR. Rubber Chemistry and Technology, 2021, 94, 657-668.	0.6	2
12	Graft copolymerization of methyl methacrylate and vinyltriethoxysilane binary monomers onto natural rubber. Journal of Polymer Research, 2021, 28, 1.	1.2	2
13	BROMINATION OF NR WITH N-BROMOSUCCINIMIDE. Rubber Chemistry and Technology, 2021, , .	0.6	1
14	Preparation and characterization of vulcanized natural rubber with high stereoregularity. Polymer, 2021, 235, 124271.	1.8	22
15	Preparation of hydrogenated natural rubber with nanomatrix structure. Polymers for Advanced Technologies, 2020, 31, 86-93.	1.6	12
16	Formation of an in situ nanosilica nanomatrix via graft copolymerization of vinyltriethoxysilane onto natural rubber. Polymers for Advanced Technologies, 2020, 31, 482-491.	1.6	6
17	Entropic and Energetic Elasticities of Natural Rubber with a Nanomatrix Structure. Langmuir, 2020, 36, 11341-11348.	1.6	8
18	Preparation of polyaniline nanomatrix formed in natural rubber. Polymer Journal, 2020, 52, 1357-1365.	1.3	6

#	Article	IF	Citations
19	Nanodiamond Glass with Rubber Bond in Natural Rubber. Advanced Functional Materials, 2020, 30, 1909791.	7.8	15
20	Controlling the size of silica nanoparticles in filler nanomatrix structure of natural rubber. Polymer, 2020, 195, 122444.	1.8	21
21	Preparation of Electromagnetic Shielding Coating Based on Natural Rubber. Materials Transactions, 2020, 61, 1544-1549.	0.4	4
22	Latex-state 13C-NMR spectroscopy for poly(butyl acrylate). Colloid and Polymer Science, 2019, 297, 133-139.	1.0	5
23	Preparation of phenylâ€modified natural rubber in latex stage. Polymers for Advanced Technologies, 2019, 30, 1044-1050.	1.6	2
24	Protein-free Natural Rubber. Nippon Gomu Kyokaishi, 2019, 92, 446-452.	0.0	0
25	Rubber-state NMR Spectroscopy. New Developments in NMR, 2019, , 156-173.	0.1	2
26	Effect of strainâ€induced crystallization on the tear strength of natural rubber/styrene butadiene rubber blend. Advances in Polymer Technology, 2018, 37, 1850-1858.	0.8	5
27	Detection of isomerization in commercial natural rubber. Vietnam Journal of Chemistry, 2018, 56, 574-578.	0.7	3
28	DETERMINATION OF A SUITABLE CONDITION OF GRAFT COPOLYMERIZATION OF VINYLTRIETHOXYSILANE ONTO NR TO FORM NANOMATRIX STRUCTURE. Rubber Chemistry and Technology, 2018, 91, 767-775.	0.6	4
29	Structure and Properties of Natural Rubber. Nippon Gomu Kyokaishi, 2018, 91, 143-150.	0.0	0
30	Degradation of Natural Rubber and Deproteinized Natural Rubber. Nippon Gomu Kyokaishi, 2018, 91, 109-114.	0.0	1
31	Distribution of Nanodiamond Inside the Nanomatrix in Natural Rubber. Langmuir, 2018, 34, 6861-6868.	1.6	11
32	Factors influencing green strength of commercial natural rubber. Green Processing and Synthesis, 2018, 7, 399-403.	1.3	8
33	Thermal degradation of deproteinized natural rubber. Polymer Degradation and Stability, 2018, 156, 144-150.	2.7	28
34	Analysis of Degradation of Commercial Natural Rubber through NMR. Seikei-Kakou, 2018, 30, 438-444.	0.0	0
35	Latex-state NMR spectroscopy for quantitative analysis of epoxidized deproteinized natural rubber. Polymers for Advanced Technologies, 2017, 28, 1156-1161.	1.6	4
36	Characterization of brominated natural rubber by solution-state 2D NMR spectroscopy. Reactive and Functional Polymers, 2017, 113, 6-12.	2.0	8

#	Article	IF	Citations
37	Highly enhanced mechanical properties in natural rubber prepared with a nanodiamond nanomatrix structure. Polymer, 2017, 126, 40-47.	1.8	19
38	Ozone degradation of vulcanized isoprene rubber as a function of humidity. Polymer Degradation and Stability, 2017, 142, 209-216.	2.7	12
39	Effect of naturally occurring crosslinking junctions on green strength of natural rubber. Polymers for Advanced Technologies, 2017, 28, 303-311.	1.6	19
40	Quantitative NEXAFS and solid-state NMR studies of sp 3 /(sp 2 + sp 3) ratio in the hydrogenated DLC films. Diamond and Related Materials, 2017, 73, 232-240.	1.8	24
41	Effect of non-rubber components on the mechanical properties of natural rubber. Polymers for Advanced Technologies, 2017, 28, 159-165.	1.6	51
42	Biosynthetic Process Analysis of Natural Rubber. Journal of Computer Chemistry Japan, 2017, 16, 165-166.	0.0	0
43	Initial Adhesion of Fibroblasts on Thin Rubber Scaffolds. Chemistry Letters, 2016, 45, 475-477.	0.7	2
44	Formation of organicâ€“inorganic nanomatrix structure with nanosilica networks and its effect on properties of rubber. Polymer, 2016, 102, 106-111.	1.8	8
45	Preparation and characterization of poly(stearyl methacrylate) grafted natural rubber in latex stage. Polymer, 2016, 88, 43-51.	1.8	17
46	Characterization of ozone-degraded composite of crosslinked polydimethylsiloxane with silica in water. Polymer Degradation and Stability, 2016, 128, 193-199.	2.7	8
47	Analysis of damage in commercial natural rubber through NMR spectroscopy. Polymer Degradation and Stability, 2016, 123, 155-161.	2.7	22
48	Structure and Purification of Natural Rubber. Seikei-Kakou, 2016, 28, 219-224.	0.0	0
49	Preparation of Purified Natural Rubber by Removal of Proteins. Kobunshi Ronbunshu, 2015, 72, 1-6.	0.2	3
50	Study on the Resolution of Latex-State NMR spectroscopy. Kobunshi Ronbunshu, 2015, 72, 22-30.	0.2	1
51	Hydrogenation of Epoxidized Natural Rubber in Latex Stage. Kobunshi Ronbunshu, 2015, 72, 118-123.	0.2	0
52	Reactive Mixing and Mechanical Property of Poly(lactic acid)/Epoxidized Natural Rubber Blend. Kobunshi Ronbunshu, 2015, 72, 124-129.	0.2	0
53	Frozen non-equilibrium structure for anisotropically deformed natural rubber with nanomatrix structure observed by 3D FIB-SEM and electron tomography. Colloid and Polymer Science, 2015, 293, 2555-2563.	1.0	3
54	Preparation of Polymer Electrolyte Membrane with Nanomatrix Channel. Seikei-Kakou, 2015, 27, 373-378.	0.0	0

#	Article	IF	Citations
55	Preparation and graftâ€copolymerization of hydrogenated natural rubber in latex stage. Journal of Applied Polymer Science, 2015, 132, .	1.3	7
56	Preparation and properties of phenylâ€modified natural rubber. Polymers for Advanced Technologies, 2015, 26, 546-554.	1.6	7
57	Preparation and characterization of hydrogenated natural rubber with hydroxyl groups. Polymers for Advanced Technologies, 2015, 26, 1504-1511.	1.6	8
58	Preparation and properties of natural rubber with filler nanomatrix structure. Colloid and Polymer Science, 2015, 293, 2249-2256.	1.0	19
59	NANOMATRIX STRUCTURE FORMED BY GRAFT COPOLYMERIZATION OF STYRENE ONTO FRESH NATURAL RUBBER. Rubber Chemistry and Technology, 2015, 88, 117-124.	0.6	12
60	FIB processing for natural rubber with nanomatrix structure. Polymer, 2015, 57, 143-149.	1.8	4
61	Prevulcanization of isoprene rubber latex. Colloid and Polymer Science, 2015, 293, 1457-1464.	1.0	2
62	Visible light responsive vanadium-substituted hydroxyapatite photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 311, 30-34.	2.0	20
63	Metathesis-driven scrambling reactions between polybutadiene or naturally occurring polyisoprene and olefin-containing polyurethane. Polymer, 2015, 78, 145-153.	1.8	34
64	Natural rubber with nanomatrix of non-rubber components observed by focused ion beam-scanning electron microscopy. Colloid and Polymer Science, 2015, 293, 135-141.	1.0	24
65	Controlling the Performance of Filled Rubbers. Nihon Reoroji Gakkaishi, 2014, 42, 79-88.	0.2	7
66	ANTIOXIDANTS FOR EPDM SEALS EXPOSED TO CHLORINATED TAP WATER. Rubber Chemistry and Technology, 2014, 87, 1-9.	0.6	2
67	Thermal Behavior of Vulcanized Deproteinzed Natural Rubber Nano-composites. Energy Procedia, 2014, 56, 634-640.	1.8	3
68	Preparation of polymer electrolyte membrane with nanomatrix channel through sulfonation of natural rubber grafted with polystyrene. Solid State Ionics, 2014, 268, 191-197.	1.3	20
69	Organicâ€“inorganic nanomatrix structure and properties of related naturally occurring rubbery macromolecules. Polymer, 2014, 55, 5024-5027.	1.8	14
70	Nuclear Magnetic Resonance Spectroscopy for the Analysis of Soft Materials. Nippon Gomu Kyokaishi, 2014, 87, 344-350.	0.0	2
71	Deproteinization of Natural Rubber. Seikei-Kakou, 2014, 26, 456-460.	0.0	0
72	Morphology dependence of crystallization of natural rubber in blends. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1424-1431.	2.0	5

#	Article	IF	Citations
73	Degradation profiles in aged EPDM water seals using focused ion beam-scanning electron microscopy. Polymer Degradation and Stability, 2013, 98, 2489-2496.	2.7	6
74	The Mechanical Properties of Vulcanized Deproteinized Natural Rubber. Energy Procedia, 2013, 34, 728-733.	1.8	19
75	ASSIGNMENT OF NMR SIGNALS FOR CHLOROPRENE RUBBER BY TWO-DIMENSIONAL NMR SPECTROSCOPY. Rubber Chemistry and Technology, 2013, 86, 250-260.	0.6	3
76	EFFECT OF DECELERATED FERMENTATION ON MORPHOLOGY AND MECHANICAL PROPERTIES OF NATURAL RUBBER LATEX. Rubber Chemistry and Technology, 2013, 86, 615-625.	0.6	2
77	Controlling Performance of Filled Rubbers. , 2013, , 1-10.		1
78	Mechanical properties and cross-linking structure of cross-linked natural rubber. Polymer Journal, 2012, 44, 772-777.	1.3	24
79	Structural Analysis of Crosslinking Junctions of Vulcanized Natural Rubber by Field Gradient-Fast Magic Angle Spinning Solid-State NMR Spectroscopy. Nippon Gomu Kyokaishi, 2012, 85, 347-353.	0.0	2
80	A Novel Proton Conductive Polymer Electrolyte Prepared from Natural Rubber. Kobunshi Ronbunshu, 2012, 69, 228-234.	0.2	1
81	Preparation and characterization of natural rubber with soft nanomatrix structure. Colloid and Polymer Science, 2012, 290, 1457-1462.	1.0	18
82	Analysis of Degradation of EPDM Rubber Seal Through the Use of FIB-SEM. Seikei-Kakou, 2012, 24, 335-340.	0.0	2
83	Preparation and characterization of proteinâ€free natural rubber. Polymers for Advanced Technologies, 2012, 23, 825-828.	1.6	27
84	Protein-free natural rubber. Colloid and Polymer Science, 2012, 290, 331-338.	1.0	66
85	Latex State and Solid-State NMR Spectroscopy of Elastomers. ACS Symposium Series, 2011, , 475-494.	0.5	3
86	Dissolution Behavior of the Antioxidant in PP in Tap Water and Evaluation of the Polymer Degradation. Nippon Gomu Kyokaishi, 2011, 84, 176-181.	0.0	4
87	Low temperature degradation and characterization of natural rubber. Polymer Degradation and Stability, 2011, 96, 1989-1995.	2.7	46
88	Degradation of EPDM seal used for water supplying system. Polymer Degradation and Stability, 2011, 96, 1236-1241.	2.7	24
89	Morphology and properties of natural rubber with nanomatrix of nonâ€rubber components. Polymers for Advanced Technologies, 2011, 22, 2665-2667.	1.6	36
90	Polymer electrolyte membrane with nanomatrix channel prepared by sulfonation of natural rubber grafted with polystyrene. Journal of Applied Polymer Science, 2011, 122, 2403-2414.	1.3	8

#	Article	IF	Citations
91	Characterization of poly(1â€methylâ€1,4â€butanediolâ€1,4â€diyl/2,3,4â€trihydroâ€5â€methylfuranâ€2,5â€diyl) prepared from natural rubber through 2D NMR spectroscopy. Journal of Applied Polymer Science, 2011, 122, 3423-3429.	1.3	5
92	Preparation of thermoplastic elastomer from natural rubber grafted with polystyrene. European Polymer Journal, 2011, 47, 330-337.	2.6	36
93	Oxygen Barrier Properties of New Thermoplastic Natural Rubber Nanocomposites. Polymer-Plastics Technology and Engineering, 2011, 50, 1564-1569.	1.9	8
94	Quantitative analysis for reaction between epoxidized natural rubber and poly (<scp>L</scp>â€lactide) through ¹Hâ€NMR spectroscopy. Journal of Applied Polymer Science, 2010, 115, 3598-3604.	1.3	12
95	Photoreactive nanomatrix structure formed by graftâ€copolymerization of 1,9â€nonandiol dimethacrylate onto natural rubber. Journal of Polymer Science Part A, 2010, 48, 2418-2424.	2.5	9
96	Photoreactive particle prepared from natural rubber and 1,9â€nonandioldimethacrylate. Journal of Polymer Science Part A, 2009, 47, 4111-4118.	2.5	6
97	Crosslinking junctions of vulcanized natural rubber analyzed by solid-state NMR spectroscopy equipped with field-gradient-magic angle spinning probe. Polymer, 2009, 50, 1626-1631.	1.8	36
98	Photo-reactive particle prepared from natural rubber and 3-acryloyloxy-2-hydroxypropyl methacrylate. Polymer, 2009, 50, 5042-5047.	1.8	3
99	Field emission scanning electron microscopy combined with focused ion beam for rubbery material with nano-matrix structure. Journal of Physics: Conference Series, 2009, 184, 012027.	0.3	7
100	Nanomatrix Channel for Ionic Molecular Transportation. Macromolecules, 2009, 42, 8557-8560.	2.2	11
101	Structure of Natural Rubber. Nippon Gomu Kyokaishi, 2009, 82, 417-423.	0.0	7
102	Tear Energy of Strain-Induced Crystallization of Natural Rubber/Styrene-Butadiene Rubber Blends. Kobunshi Ronbunshu, 2009, 66, 454-462.	0.2	1
103	Mechanism of graft copolymerization of styrene onto deproteinized natural rubber. Colloid and Polymer Science, 2008, 286, 411-416.	1.0	38
104	Hydrogenation of natural rubber having epoxy group. Colloid and Polymer Science, 2008, 286, 993-998.	1.0	15
105	Compatibility of liquid deproteinized natural rubber having epoxy group (LEDPNR)/poly (<scp>L</scp>â€lactide) blend. Journal of Applied Polymer Science, 2008, 108, 393-399.	1.3	35
106	Removal of proteins from natural rubber with urea and its application to continuous processes. Journal of Applied Polymer Science, 2008, 107, 2329-2332.	1.3	40
107	FIB-SEM and TEMT Observation of Highly Elastic Rubbery Material with Nanomatrix Structure. Macromolecules, 2008, 41, 4510-4513.	2.2	37
108	Chain Anisotropy Effect on Polymer Nonlinear Viscoelasticity. E-Journal of Soft Materials, 2008, 4, 1-6.	2.0	2

#	Article	IF	Citations
109	Novel Characterization of Filler Network in Rubber Materials Using Differential Dynamic Modulus in Large Compression and Recovery. E-Journal of Soft Materials, 2007, 3, 14-20.	2.0	16
110	Filler Effects on Temperature Dependence of Viscoelastic Properties of Filled Rubbers. E-Journal of Soft Materials, 2007, 3, 41-48.	2.0	8
111	High-Resolution Latex-State 13C-NMR Spectroscopy for Natural Rubber Vulcanizates. Rubber Chemistry and Technology, 2007, 80, 751-761.	0.6	10
112	Graft-Copolymerization of Acrylonitrile onto Surfaces of Natural Rubber Particles Using Deproteinized Natural Rubber Latex. Kobunshi Ronbunshu, 2007, 64, 155-160.	0.2	4
113	Structural Characterization of Crosslinking Points of Natural Rubber (E-Configuration) by Latex, Solution and Solid State 13C NMR Spectroscopy. Kobunshi Ronbunshu, 2007, 64, 301-308.	0.2	5
114	Effect of LiBr Concentration on Carbonation of Natural Rubber with Supercritical Carbon Dioxide. Macromolecules, 2007, 40, 8265-8270.	2.2	4
115	Effect of gel on crystallization behavior of natural rubber after accelerated storage hardening test. Journal of Applied Polymer Science, 2007, 106, 455-461.	1.3	18
116	Nano-matrix structure formed by graft-copolymerization of styrene onto natural rubber. European Polymer Journal, 2007, 43, 3208-3214.	2.6	62
117	Characterization of epoxidized natural rubber by 2D NMR spectroscopy. Polymer, 2007, 48, 750-757.	1.8	60
118	Structural characterization of vulcanized natural rubber by latex state13C NMR spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1003-1009.	2.4	9
119	Composition dependence of nanophaseâ€separated structures formed by starâ€shaped terpolymers of the A_{1.0}B_{1.0}C_X type. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2277-2283.	2.4	23
120	Preparation of carbonated natural rubber. Journal of Polymer Science Part A, 2006, 44, 1561-1567.	2.5	13
121	Ionic conductivity of highly deproteinized natural rubber having various amount of epoxy group mixed with lithium salt. Solid State Ionics, 2006, 177, 3251-3257.	1.3	27
122	Structural characterization of sulfur vulcanized deproteinized natural rubber by solid-state13C NMR spectroscopy. Journal of Applied Polymer Science, 2006, 100, 1875-1880.	1.3	8
123	Process Control of Loss Factor in Soft Materials. Advanced Materials Research, 2006, 11-12, 725-728.	0.3	0
124	Filler Network Change and Nonlinear Viscoelasticity of Rubbers. Advanced Materials Research, 2006, 11-12, 729-732.	0.3	3
125	Effect of fatty acids on the strain-induced crystallization of natural rubber detected by tear energy measurements. Journal of Applied Polymer Science, 2005, 98, 613-619.	1.3	17
126	Preparation of Functionalized Low Molecular Weight Natural Rubber Latex Using Solid Nanometric TiO3 Film as a Photocatalyst. Rubber Chemistry and Technology, 2005, 78, 597-605.	0.6	12

#	Article	IF	Citations
127	Crystal Nucleation and Growth of Natural Rubber Purified by Deproteinization and Trans-esterification. Polymer Journal, 2004, 36, 361-367.	1.3	33
128	Removal of proteins from natural rubber with urea. Polymers for Advanced Technologies, 2004, 15, 181-184.	1.6	94
129	Hyperdeproteinized natural rubber prepared with urea. Journal of Applied Polymer Science, 2004, 93, 555-559.	1.3	80
130	Ionic conductivity of highly deproteinized natural rubber having epoxy group mixed with alkali metal salts. Solid State Ionics, 2004, 168, 131-136.	1.3	22
131	Observation of Cylinder-Based Microphase-Separated Structures from ABC Star-Shaped Terpolymers Investigated by Electron Computerized Tomography. Macromolecules, 2004, 37, 9941-9946.	2.2	132
132	Preparation of Poly(1,1-dimethyl silabutane) by Anionic Polymerization and Its Crystallization. Macromolecules, 2004, 37, 315-321.	2.2	13
133	Phase Transition and Mechanical Properties of Elastomer. Nihon Reoroji Gakkaishi, 2004, 32, 259-263.	0.2	1
134	Spherulite Growth of cis-1,4-Polyisoprene Isolated from Natural Rubber. Journal of Macromolecular Science - Physics, 2003, 42, 569-578.	0.4	4
135	Depolymerization and ionic conductivity of enzymatically deproteinized natural rubber having epoxy group. European Polymer Journal, 2003, 39, 1707-1712.	2.6	35
136	Preparation and characterization of natural rubber dispersed in nano-matrix. Polymer, 2003, 44, 4527-4531.	1.8	84
137	Preparation and Morphology of Ring-Shaped Polystyrene-block-polyisoprenes. Macromolecules, 2003, 36, 3045-3050.	2.2	75
138	Effects of Nonrubber Components on the Crystallization Behavior of Natural Rubber. Journal of Macromolecular Science - Physics, 2003, 42, 761-771.	0.4	8
139	Effect of Non-Rubber Components on Storage Hardening and Gel Formation of Natural Rubber During Accelerated Storage under Various Conditions. Rubber Chemistry and Technology, 2003, 76, 1228-1240.	0.6	41
140	Morphology and Crystallization Behavior of Lightly Crosslinked Natural Rubber in Blend. Rubber Chemistry and Technology, 2003, 76, 1164-1176.	0.6	9
141	Nonlinear Viscoelastic Properties and Change in Entanglement Structure of Linear Polymers 2. Double-step Large Shearing Deformations at Moderately Long Time-scale. Nihon Reoroji Gakkaishi, 2003, 31, 201-206.	0.2	10
142	Characterization of the Large and Small Rubber Particles in Fresh Hevea Latex. Rubber Chemistry and Technology, 2002, 75, 179-185.	0.6	18
143	Effect of Gel on the Green Strength of Natural Rubber. Rubber Chemistry and Technology, 2002, 75, 739-746.	0.6	44
144	Lower Critical Solution Temperature Phase Behavior of Natural Rubber/Polybutadiene Blend. Polymer Journal, 2002, 34, 1-8.	1.3	9

#	Article	IF	Citations
145	Preparation and characterization of cyclic polystyrene with short poly(2-tert-butylbutadiene) sequences. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 1582-1589.	2.4	25
146	Interactions in blends of bisphenol-A polycarbonate and poly(styrene- co -methacrylic acid). Polymer, 2001, 42, 6657-6660.	1.8	4
147	High-Resolution Latex State 13C-NMR Spectroscopy: Part II. Effect of Particle Size and Temperature. Rubber Chemistry and Technology, 2001, 74, 295-302.	0.6	16
148	Preparation and Morphology of Model Graft Copolymers of the A3B2 Type with Different Graft Junction Points. Polymer Journal, 2001, 33, 732.	1.3	23
149	Crystallization behavior and strength of natural rubber: Skim rubber, deproteinized natural rubber, and pale crepe. Journal of Applied Polymer Science, 2000, 78, 1510-1516.	1.3	30
150	Characterization of fatty acids linked to natural rubberâ€"role of linked fatty acids on crystallization of the rubber. Polymer, 2000, 41, 7483-7488.	1.8	70
151	Free Volume of cis-1,4 polyisoprene/polybutadiene blends. Polymer Bulletin, 2000, 45, 275-279.	1.7	4
152	Crystallization Behavior and Strength of Natural Rubber Isolated from Different Hevea Clone. Rubber Chemistry and Technology, 2000, 73, 39-46.	0.6	21
153	A Novel Method for 13C-NMR Spectroscopy of Polymer in Emulsion: Quantitative Analysis of Microstructure of Crosslinked Polybutadiene in Latex. Rubber Chemistry and Technology, 1999, 72, 844-853.	0.6	17
154	Thermal Properties and Crystallization Behavior of Highly Deproteinized Natural Rubber. Rubber Chemistry and Technology, 1999, 72, 174-180.	0.6	19
155	Quantitative Analysis of Sequence Length Distribution of 1,2 Units in Polybutadienes by Ozonolysisâ^'GPC Method. Macromolecules, 1999, 32, 5994-5997.	2.2	6
156	Molecular weight distribution of polyisoprene from Lactarius volemus. Phytochemistry, 1998, 48, 781-786.	1.4	17
157	Origin of Characteristic Properties of Natural Rubberâ€"Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene. Rubber Chemistry and Technology, 1998, 71, 70-75.	0.6	23
158	Crystallization and Strength of Natural Rubber and Synthetic cis-1,4-Polyisoprene. Rubber Chemistry and Technology, 1998, 71, 668-678.	0.6	105
159	Crystallization of cis- and trans-1,4-Polyisoprene Dispersed in SBR. Rubber Chemistry and Technology, 1998, 71, 837-845.	0.6	6
160	Stem Length and Stem Length Distribution of Chain-Folded Lamellar Crystal Grown from Dilute Solution of cis-1,4-Polyisoprene by Ozonolysis-GPC Measurements. Rubber Chemistry and Technology, 1998, 71, 277-284.	0.6	12
161	Structure and biosynthesis of trans-polyisoprene from Eucommia ulmoides. Phytochemistry, 1997, 45, 75-80.	1.4	62
162	Solution-grown crystal of cis-1,4 polyisoprene. Polymer, 1997, 38, 4113-4116.	1.8	6

#	Article	IF	Citations
163	Initiation of rubber biosynthesis in Hevea brasiliensis: characterization of initiating species by structural analysis. Phytochemistry, 1996, 41, 1501-1505.	1.4	67
164	Structure of solution-grown trans-1,4-polyisoprene crystals: 4. Effect of concentration on crystal form and melting temperature. Polymer, 1996, 37, 5711-5714.	1.8	3
165	Origin of Characteristic Properties of Natural Rubberâ€"Synergistic Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene: I, Saturated and Unsaturated Fatty Acids. Rubber Chemistry and Technology, 1996, 69, 600-607.	0.6	27
166	Origin of Characteristic Properties of Natural Rubberâ€"Synergistic Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene: II, Mixed and Esterified Fatty Acids in Natural Rubber. Rubber Chemistry and Technology, 1996, 69, 608-614.	0.6	26
167	Plasticization and crystallization of cis-1,4 polyisoprene mixed with methyl linolate. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 753-758.	2.4	13
168	Initiation of biosynthesis in cis polyisoprenes. Phytochemistry, 1995, 39, 779-784.	1.4	40
169	Trans-Isofrene Units in Natural Rubber. Rubber Chemistry and Technology, 1994, 67, 159-168.	0.6	49
170	Negative excess volume of mixing in polybutadiene/polyisoprene blends. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 15-20.	2.4	8
171	Upper critical solution temperature (UCST) phase behaviour and pressure-sensitive adhesive properties in blends of poly(vinyl) with hydrogenated terpene resin. International Journal of Adhesion and Adhesives, 1993, 13, 181-187.	1.4	5
172	Analysis of the sequence distribution of 1,2 units in polybutadiene by an ozonolysis-GPC method. Macromolecules, 1993, 26, 5253-5255.	2.2	8
173	UCST phase behavior and the miscibility valley in blends of poly(vinyl ethylene-co-1,4-butadiene) and hydrogenated terpene resin. Macromolecules, 1993, 26, 2428-2432.	2.2	13
174	Pressure Sensitive Adhesive Properties and Miscibility in Blends of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (ethylene-co-	1.8	3
175	Analysis of Surface Segregation in Blends of Acrylate Copolymer with Fluoro-Copolymer.. Polymer Journal, 1992, 24, 135-144.	1.3	32
176	Estimation of surface tension of poly(vinylidene fluoride-co-hexafluoro acetone) by corresponding states theory. Polymer, 1992, 33, 3753-3755.	1.8	3
177	Estimation of Critical Surface Tension and Interfacial Interaction of Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (eth	1.3	8
178	Volume Contraction on Mixing in Poly(vinyl ethylene-co-1,4-butadiene)/Polyisoprene Blends. Polymer Journal, 1991, 23, 7-14.	1.3	7
179	Adhesive Property and Phase Separation of Poly(vinyl ethylene-co-1,4-butadiene) with Rosin Resin Mixtures. Polymer Journal, 1991, 23, 47-54.	1.3	6
180	Miscibility and pressure-sensitive adhesive properties of poly(vinylethylene-co-1,4-butadiene)/terpene resin blends. Polymer, 1991, 32, 1681-1687.	1.8	18

#	Article	IF	Citations
181	Thermal Reversibility in Liquid-Liquid Phase Transition in Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (ethylene-co	1.3	12
182	Miscibility and LCST Behavior of Polyisoprene/Poly(cis-butadiene-co-1,2-vinylbutadiene) Blends. Polymer Journal, 1989, 21, 221-229.	1.3	23
183	Influence of Reaction Conditions on the Properties of Nano-matrix Structure Formed by Graft-Copolymerization of Acrylonitrile onto Natural Rubber. Advanced Materials Research, 0, 844, 365-368.	0.3	6
184	Modification of Vietnam Natural Rubber via Graft Copolymerization with Styrene. Journal of the Brazilian Chemical Society, 0, , .	0.6	7
185	Protein Removal from Natural Rubber Latex with Fe3O4@Al2O3 Nanoparticle. Journal of the Brazilian Chemical Society, 0, , .	0.6	3