

Seiichi Kawahara

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Cylinder-Based Microphase-Separated Structures from ABC Star-Shaped Terpolymers Investigated by Electron Computerized Tomography. <i>Macromolecules</i> , 2004, 37, 9941-9946.	2.2	132
2	Crystallization and Strength of Natural Rubber and Synthetic cis-1,4-Polyisoprene. <i>Rubber Chemistry and Technology</i> , 1998, 71, 668-678.	0.6	105
3	Removal of proteins from natural rubber with urea. <i>Polymers for Advanced Technologies</i> , 2004, 15, 181-184.	1.6	94
4	Preparation and characterization of natural rubber dispersed in nano-matrix. <i>Polymer</i> , 2003, 44, 4527-4531.	1.8	84
5	Hyperdeproteinized natural rubber prepared with urea. <i>Journal of Applied Polymer Science</i> , 2004, 93, 555-559.	1.3	80
6	Preparation and Morphology of Ring-Shaped Polystyrene-block-polyisoprenes. <i>Macromolecules</i> , 2003, 36, 3045-3050.	2.2	75
7	Characterization of fatty acids linked to natural rubber—role of linked fatty acids on crystallization of the rubber. <i>Polymer</i> , 2000, 41, 7483-7488.	1.8	70
8	Initiation of rubber biosynthesis in <i>Hevea brasiliensis</i> : characterization of initiating species by structural analysis. <i>Phytochemistry</i> , 1996, 41, 1501-1505.	1.4	67
9	Protein-free natural rubber. <i>Colloid and Polymer Science</i> , 2012, 290, 331-338.	1.0	66
10	Structure and biosynthesis of trans-polyisoprene from <i>Eucommia ulmoides</i> . <i>Phytochemistry</i> , 1997, 45, 75-80.	1.4	62
11	Nano-matrix structure formed by graft-copolymerization of styrene onto natural rubber. <i>European Polymer Journal</i> , 2007, 43, 3208-3214.	2.6	62
12	Characterization of epoxidized natural rubber by 2D NMR spectroscopy. <i>Polymer</i> , 2007, 48, 750-757.	1.8	60
13	Effect of non-rubber components on the mechanical properties of natural rubber. <i>Polymers for Advanced Technologies</i> , 2017, 28, 159-165.	1.6	51
14	Trans-Isoprene Units in Natural Rubber. <i>Rubber Chemistry and Technology</i> , 1994, 67, 159-168.	0.6	49
15	Low temperature degradation and characterization of natural rubber. <i>Polymer Degradation and Stability</i> , 2011, 96, 1989-1995.	2.7	46
16	Effect of Gel on the Green Strength of Natural Rubber. <i>Rubber Chemistry and Technology</i> , 2002, 75, 739-746.	0.6	44
17	Effect of Non-Rubber Components on Storage Hardening and Gel Formation of Natural Rubber During Accelerated Storage under Various Conditions. <i>Rubber Chemistry and Technology</i> , 2003, 76, 1228-1240.	0.6	41
18	Initiation of biosynthesis in cis polyisoprenes. <i>Phytochemistry</i> , 1995, 39, 779-784.	1.4	40

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19	Removal of proteins from natural rubber with urea and its application to continuous processes. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2329-2332.	1.3	40
20	Mechanism of graft copolymerization of styrene onto deproteinized natural rubber. <i>Colloid and Polymer Science</i> , 2008, 286, 411-416.	1.0	38
21	FIB-SEM and TEMT Observation of Highly Elastic Rubbery Material with Nanomatrix Structure. <i>Macromolecules</i> , 2008, 41, 4510-4513.	2.2	37
22	Crosslinking junctions of vulcanized natural rubber analyzed by solid-state NMR spectroscopy equipped with field-gradient-magic angle spinning probe. <i>Polymer</i> , 2009, 50, 1626-1631.	1.8	36
23	Morphology and properties of natural rubber with nanomatrix of non-rubber components. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2665-2667.	1.6	36
24	Preparation of thermoplastic elastomer from natural rubber grafted with polystyrene. <i>European Polymer Journal</i> , 2011, 47, 330-337.	2.6	36
25	Depolymerization and ionic conductivity of enzymatically deproteinized natural rubber having epoxy group. <i>European Polymer Journal</i> , 2003, 39, 1707-1712.	2.6	35
26	Compatibility of liquid deproteinized natural rubber having epoxy group (LEDPNR)/poly(ϵ -caprolactide) blend. <i>Journal of Applied Polymer Science</i> , 2008, 108, 393-399.	1.3	35
27	Metathesis-driven scrambling reactions between polybutadiene or naturally occurring polyisoprene and olefin-containing polyurethane. <i>Polymer</i> , 2015, 78, 145-153.	1.8	34
28	Crystal Nucleation and Growth of Natural Rubber Purified by Deproteinization and Trans-esterification. <i>Polymer Journal</i> , 2004, 36, 361-367.	1.3	33
29	Analysis of Surface Segregation in Blends of Acrylate Copolymer with Fluoro-Copolymer.. <i>Polymer Journal</i> , 1992, 24, 135-144.	1.3	32
30	Crystallization behavior and strength of natural rubber: Skim rubber, deproteinized natural rubber, and pale crepe. <i>Journal of Applied Polymer Science</i> , 2000, 78, 1510-1516.	1.3	30
31	Thermal degradation of deproteinized natural rubber. <i>Polymer Degradation and Stability</i> , 2018, 156, 144-150.	2.7	28
32	Origin of Characteristic Properties of Natural Rubber—Synergistic Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene: I, Saturated and Unsaturated Fatty Acids. <i>Rubber Chemistry and Technology</i> , 1996, 69, 600-607.	0.6	27
33	Ionic conductivity of highly deproteinized natural rubber having various amount of epoxy group mixed with lithium salt. <i>Solid State Ionics</i> , 2006, 177, 3251-3257.	1.3	27
34	Preparation and characterization of protein-free natural rubber. <i>Polymers for Advanced Technologies</i> , 2012, 23, 825-828.	1.6	27
35	Origin of Characteristic Properties of Natural Rubber—Synergistic Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene: II, Mixed and Esterified Fatty Acids in Natural Rubber. <i>Rubber Chemistry and Technology</i> , 1996, 69, 608-614.	0.6	26
36	Preparation and characterization of cyclic polystyrene with short poly(2-tert-butylbutadiene) sequences. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 1582-1589.	2.4	25

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37	Degradation of EPDM seal used for water supplying system. <i>Polymer Degradation and Stability</i> , 2011, 96, 1236-1241.	2.7	24
38	Mechanical properties and cross-linking structure of cross-linked natural rubber. <i>Polymer Journal</i> , 2012, 44, 772-777.	1.3	24
39	Natural rubber with nanomatrix of non-rubber components observed by focused ion beam-scanning electron microscopy. <i>Colloid and Polymer Science</i> , 2015, 293, 135-141.	1.0	24
40	Quantitative NEXAFS and solid-state NMR studies of $sp^3 / (sp^2 + sp^3)$ ratio in the hydrogenated DLC films. <i>Diamond and Related Materials</i> , 2017, 73, 232-240.	1.8	24
41	Miscibility and LCST Behavior of Polyisoprene/Poly(cis-butadiene-co-1,2-vinylbutadiene) Blends. <i>Polymer Journal</i> , 1989, 21, 221-229.	1.3	23
42	Origin of Characteristic Properties of Natural Rubber—Effect of Fatty Acids on Crystallization of cis-1,4-Polyisoprene. <i>Rubber Chemistry and Technology</i> , 1998, 71, 70-75.	0.6	23
43	Composition dependence of nanophase-separated structures formed by star-shaped terpolymers of the $A_{1.0}B_{1.0}C_{X}$ type. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2277-2283.	2.4	23
44	Preparation and Morphology of Model Graft Copolymers of the A3B2 Type with Different Graft Junction Points. <i>Polymer Journal</i> , 2001, 33, 732.	1.3	23
45	Ionic conductivity of highly deproteinized natural rubber having epoxy group mixed with alkali metal salts. <i>Solid State Ionics</i> , 2004, 168, 131-136.	1.3	22
46	Analysis of damage in commercial natural rubber through NMR spectroscopy. <i>Polymer Degradation and Stability</i> , 2016, 123, 155-161.	2.7	22
47	Preparation and characterization of vulcanized natural rubber with high stereoregularity. <i>Polymer</i> , 2021, 235, 124271.	1.8	22
48	Crystallization Behavior and Strength of Natural Rubber Isolated from Different Hevea Clone. <i>Rubber Chemistry and Technology</i> , 2000, 73, 39-46.	0.6	21
49	Controlling the size of silica nanoparticles in filler nanomatrix structure of natural rubber. <i>Polymer</i> , 2020, 195, 122444.	1.8	21
50	Preparation of polymer electrolyte membrane with nanomatrix channel through sulfonation of natural rubber grafted with polystyrene. <i>Solid State Ionics</i> , 2014, 268, 191-197.	1.3	20
51	Visible light responsive vanadium-substituted hydroxyapatite photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 311, 30-34.	2.0	20
52	Thermal Properties and Crystallization Behavior of Highly Deproteinized Natural Rubber. <i>Rubber Chemistry and Technology</i> , 1999, 72, 174-180.	0.6	19
53	The Mechanical Properties of Vulcanized Deproteinized Natural Rubber. <i>Energy Procedia</i> , 2013, 34, 728-733.	1.8	19
54	Preparation and properties of natural rubber with filler nanomatrix structure. <i>Colloid and Polymer Science</i> , 2015, 293, 2249-2256.	1.0	19

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55	Highly enhanced mechanical properties in natural rubber prepared with a nanodiamond nanomatrix structure. <i>Polymer</i> , 2017, 126, 40-47.	1.8	19
56	Effect of naturally occurring crosslinking junctions on green strength of natural rubber. <i>Polymers for Advanced Technologies</i> , 2017, 28, 303-311.	1.6	19
57	Miscibility and pressure-sensitive adhesive properties of poly(vinylethylene-co-1,4-butadiene)/terpene resin blends. <i>Polymer</i> , 1991, 32, 1681-1687.	1.8	18
58	Characterization of the Large and Small Rubber Particles in Fresh Hevea Latex. <i>Rubber Chemistry and Technology</i> , 2002, 75, 179-185.	0.6	18
59	Effect of gel on crystallization behavior of natural rubber after accelerated storage hardening test. <i>Journal of Applied Polymer Science</i> , 2007, 106, 455-461.	1.3	18
60	Preparation and characterization of natural rubber with soft nanomatrix structure. <i>Colloid and Polymer Science</i> , 2012, 290, 1457-1462.	1.0	18
61	Molecular weight distribution of polyisoprene from <i>Lactarius volemus</i> . <i>Phytochemistry</i> , 1998, 48, 781-786.	1.4	17
62	A Novel Method for ¹³ C-NMR Spectroscopy of Polymer in Emulsion: Quantitative Analysis of Microstructure of Crosslinked Polybutadiene in Latex. <i>Rubber Chemistry and Technology</i> , 1999, 72, 844-853.	0.6	17
63	Effect of fatty acids on the strain-induced crystallization of natural rubber detected by tear energy measurements. <i>Journal of Applied Polymer Science</i> , 2005, 98, 613-619.	1.3	17
64	Preparation and characterization of poly(stearyl methacrylate) grafted natural rubber in latex stage. <i>Polymer</i> , 2016, 88, 43-51.	1.8	17
65	Quantitative analysis of crosslinking junctions of vulcanized natural rubber through rubber-state NMR spectroscopy. <i>Polymer Testing</i> , 2021, 96, 107130.	2.3	17
66	High-Resolution Latex State ¹³ C-NMR Spectroscopy: Part II. Effect of Particle Size and Temperature. <i>Rubber Chemistry and Technology</i> , 2001, 74, 295-302.	0.6	16
67	Novel Characterization of Filler Network in Rubber Materials Using Differential Dynamic Modulus in Large Compression and Recovery. <i>E-Journal of Soft Materials</i> , 2007, 3, 14-20.	2.0	16
68	Hydrogenation of natural rubber having epoxy group. <i>Colloid and Polymer Science</i> , 2008, 286, 993-998.	1.0	15
69	Nanodiamond Glass with Rubber Bond in Natural Rubber. <i>Advanced Functional Materials</i> , 2020, 30, 1909791.	7.8	15
70	Organic-inorganic nanomatrix structure and properties of related naturally occurring rubbery macromolecules. <i>Polymer</i> , 2014, 55, 5024-5027.	1.8	14
71	Synthetic Rubber with the Tensile Strength of Natural Rubber. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2323-2328.	2.0	14
72	UCST phase behavior and the miscibility valley in blends of poly(vinyl ethylene-co-1,4-butadiene) and hydrogenated terpene resin. <i>Macromolecules</i> , 1993, 26, 2428-2432.	2.2	13

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73	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
74	Preparation of Poly(1,1-dimethyl silabutane) by Anionic Polymerization and Its Crystallization. Macromolecules, 2004, 37, 315-321.	2.2	13
75	Preparation of carbonated natural rubber. Journal of Polymer Science Part A, 2006, 44, 1561-1567.	2.5	13
76	Thermal Reversibility in Liquid-Liquid Phase Transition in Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (ethylene-co-1,4-butadiene). Journal of Polymer Science Part B: Polymer Physics, 2003, 41, 131-141.	1.3	12
77	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
78	Preparation of Functionalized Low Molecular Weight Natural Rubber Latex Using Solid Nanometric TiO ₃ Film as a Photocatalyst. Rubber Chemistry and Technology, 2005, 78, 597-605.	0.6	12
79	Quantitative analysis for reaction between epoxidized natural rubber and poly (ε-caprolactide) through ¹ H-NMR spectroscopy. Journal of Applied Polymer Science, 2010, 115, 3598-3604.	1.3	12
80	NANOMATRIX STRUCTURE FORMED BY GRAFT COPOLYMERIZATION OF STYRENE ONTO FRESH NATURAL RUBBER. Rubber Chemistry and Technology, 2015, 88, 117-124.	0.6	12
81	Ozone degradation of vulcanized isoprene rubber as a function of humidity. Polymer Degradation and Stability, 2017, 142, 209-216.	2.7	12
82	Preparation of hydrogenated natural rubber with nanomatrix structure. Polymers for Advanced Technologies, 2020, 31, 86-93.	1.6	12
83	Nanomatrix Channel for Ionic Molecular Transportation. Macromolecules, 2009, 42, 8557-8560.	2.2	11
84	Distribution of Nanodiamond Inside the Nanomatrix in Natural Rubber. Langmuir, 2018, 34, 6861-6868.	1.6	11
85	High-Resolution Latex-State ¹³ C-NMR Spectroscopy for Natural Rubber Vulcanizates. Rubber Chemistry and Technology, 2007, 80, 751-761.	0.6	10
86	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
87	Lower Critical Solution Temperature Phase Behavior of Natural Rubber/Polybutadiene Blend. Polymer Journal, 2002, 34, 1-8.	1.3	9
88	Morphology and Crystallization Behavior of Lightly Crosslinked Natural Rubber in Blend. Rubber Chemistry and Technology, 2003, 76, 1164-1176.	0.6	9
89	Structural characterization of vulcanized natural rubber by latex state ¹³ C NMR spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1003-1009.	2.4	9
90	Photoreactive nanomatrix structure formed by graft copolymerization of 1,9-dithionandiol dimethacrylate onto natural rubber. Journal of Polymer Science Part A, 2010, 48, 2418-2424.	2.5	9

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91	Analysis of the sequence distribution of 1,2 units in polybutadiene by an ozonolysis-GPC method. <i>Macromolecules</i> , 1993, 26, 5253-5255.	2.2	8
92	Negative excess volume of mixing in polybutadiene/polyisoprene blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 15-20.	2.4	8
93	Effects of Nonrubber Components on the Crystallization Behavior of Natural Rubber. <i>Journal of Macromolecular Science - Physics</i> , 2003, 42, 761-771.	0.4	8
94	Structural characterization of sulfur vulcanized deproteinized natural rubber by solid-state ¹³ C NMR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1875-1880.	1.3	8
95	Filler Effects on Temperature Dependence of Viscoelastic Properties of Filled Rubbers. <i>E-Journal of Soft Materials</i> , 2007, 3, 41-48.	2.0	8
96	Polymer electrolyte membrane with nanomatrix channel prepared by sulfonation of natural rubber grafted with polystyrene. <i>Journal of Applied Polymer Science</i> , 2011, 122, 2403-2414.	1.3	8
97	Oxygen Barrier Properties of New Thermoplastic Natural Rubber Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1564-1569.	1.9	8
98	Preparation and characterization of hydrogenated natural rubber with hydroxyl groups. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1504-1511.	1.6	8
99	Formation of organic-inorganic nanomatrix structure with nanosilica networks and its effect on properties of rubber. <i>Polymer</i> , 2016, 102, 106-111.	1.8	8
100	Characterization of ozone-degraded composite of crosslinked polydimethylsiloxane with silica in water. <i>Polymer Degradation and Stability</i> , 2016, 128, 193-199.	2.7	8
101	Characterization of brominated natural rubber by solution-state 2D NMR spectroscopy. <i>Reactive and Functional Polymers</i> , 2017, 113, 6-12.	2.0	8
102	Factors influencing green strength of commercial natural rubber. <i>Green Processing and Synthesis</i> , 2018, 7, 399-403.	1.3	8
103	Entropic and Energetic Elasticities of Natural Rubber with a Nanomatrix Structure. <i>Langmuir</i> , 2020, 36, 11341-11348.	1.6	8
104	Estimation of Critical Surface Tension and Interfacial Interaction of Poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (ethylene-co	1.3	8
105	Volume Contraction on Mixing in Poly(vinyl ethylene-co-1,4-butadiene)/Polyisoprene Blends. <i>Polymer Journal</i> , 1991, 23, 7-14.	1.3	7
106	Field emission scanning electron microscopy combined with focused ion beam for rubbery material with nano-matrix structure. <i>Journal of Physics: Conference Series</i> , 2009, 184, 012027.	0.3	7
107	Structure of Natural Rubber. <i>Nippon Gomu Kyokaishi</i> , 2009, 82, 417-423.	0.0	7
108	Controlling the Performance of Filled Rubbers. <i>Nihon Reoroji Gakkaishi</i> , 2014, 42, 79-88.	0.2	7

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109	Preparation and graft copolymerization of hydrogenated natural rubber in latex stage. Journal of Applied Polymer Science, 2015, 132, .	1.3	7
110	Preparation and properties of phenyl modified natural rubber. Polymers for Advanced Technologies, 2015, 26, 546-554.	1.6	7
111	Modification of Vietnam Natural Rubber via Graft Copolymerization with Styrene. Journal of the Brazilian Chemical Society, 0, , .	0.6	7
112	ATRP-ARGET of a Styrene Monomer onto Modified Natural Rubber Latex as an Initiator. Langmuir, 2021, 37, 6151-6157.	1.6	7
113	Preparation and properties of colloidal silica-filled natural rubber grafted with poly(methyl Tj ETQq1 1 0.784314 rgBI /Overlock 10 Tf 50	1.7	7
114	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
115	Solution-grown crystal of cis-1,4 polyisoprene. Polymer, 1997, 38, 4113-4116.	1.8	6
116	Crystallization of cis- and trans-1,4-Polyisoprene Dispersed in SBR. Rubber Chemistry and Technology, 1998, 71, 837-845.	0.6	6
117	Quantitative Analysis of Sequence Length Distribution of 1,2 Units in Polybutadienes by Ozonolysis GPC Method. Macromolecules, 1999, 32, 5994-5997.	2.2	6
118	Photoreactive particle prepared from natural rubber and 1,9 nonandioldimethacrylate. Journal of Polymer Science Part A, 2009, 47, 4111-4118.	2.5	6
119	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
120	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
121	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
122	Preparation of polyaniline nanomatrix formed in natural rubber. Polymer Journal, 2020, 52, 1357-1365.	1.3	6
123	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
124	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
125	Characterization of poly(1-methyl-4-butenediol-1,4-diyl/2,3,4-trihydro-5-methylfuran-2,5-diyl) prepared from natural rubber through 2D NMR spectroscopy. Journal of Applied Polymer Science, 2011, 122, 3423-3429.	1.3	5
126	Morphology dependence of crystallization of natural rubber in blends. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1424-1431.	2.0	5

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127	Effect of strain-induced crystallization on the tear strength of natural rubber/styrene butadiene rubber blend. <i>Advances in Polymer Technology</i> , 2018, 37, 1850-1858.	0.8	5
128	Latex-state ¹³ C-NMR spectroscopy for poly(butyl acrylate). <i>Colloid and Polymer Science</i> , 2019, 297, 133-139.	1.0	5
129	Free Volume of cis-1,4 polyisoprene/polybutadiene blends. <i>Polymer Bulletin</i> , 2000, 45, 275-279.	1.7	4
130	Interactions in blends of bisphenol-A polycarbonate and poly(styrene-co-methacrylic acid). <i>Polymer</i> , 2001, 42, 6657-6660.	1.8	4
131	Spherulite Growth of cis-1,4-Polyisoprene Isolated from Natural Rubber. <i>Journal of Macromolecular Science - Physics</i> , 2003, 42, 569-578.	0.4	4
132	Graft-Copolymerization of Acrylonitrile onto Surfaces of Natural Rubber Particles Using Deproteinized Natural Rubber Latex. <i>Kobunshi Ronbunshu</i> , 2007, 64, 155-160.	0.2	4
133	Effect of LiBr Concentration on Carbonation of Natural Rubber with Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2007, 40, 8265-8270.	2.2	4
134	Dissolution Behavior of the Antioxidant in PP in Tap Water and Evaluation of the Polymer Degradation. <i>Nippon Gomu Kyokaishi</i> , 2011, 84, 176-181.	0.0	4
135	FIB processing for natural rubber with nanomatrix structure. <i>Polymer</i> , 2015, 57, 143-149.	1.8	4
136	Latex-state NMR spectroscopy for quantitative analysis of epoxidized deproteinized natural rubber. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1156-1161.	1.6	4
137	DETERMINATION OF A SUITABLE CONDITION OF GRAFT COPOLYMERIZATION OF VINYLTRIETHOXYSILANE ONTO NR TO FORM NANOMATRIX STRUCTURE. <i>Rubber Chemistry and Technology</i> , 2018, 91, 767-775.	0.6	4
138	Preparation of Electromagnetic Shielding Coating Based on Natural Rubber. <i>Materials Transactions</i> , 2020, 61, 1544-1549.	0.4	4
139	Estimation of surface tension of poly(vinylidene fluoride-co-hexafluoro acetone) by corresponding states theory. <i>Polymer</i> , 1992, 33, 3753-3755.	1.8	3
140	Pressure Sensitive Adhesive Properties and Miscibility in Blends of Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (ethylene-co-	1.8	3
141	Structure of solution-grown trans-1,4-polyisoprene crystals: 4. Effect of concentration on crystal form and melting temperature. <i>Polymer</i> , 1996, 37, 5711-5714.	1.8	3
142	Filler Network Change and Nonlinear Viscoelasticity of Rubbers. <i>Advanced Materials Research</i> , 2006, 11-12, 729-732.	0.3	3
143	Photo-reactive particle prepared from natural rubber and 3-acryloyloxy-2-hydroxypropyl methacrylate. <i>Polymer</i> , 2009, 50, 5042-5047.	1.8	3
144	Latex State and Solid-State NMR Spectroscopy of Elastomers. <i>ACS Symposium Series</i> , 2011, , 475-494.	0.5	3

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145	ASSIGNMENT OF NMR SIGNALS FOR CHLOROPRENE RUBBER BY TWO-DIMENSIONAL NMR SPECTROSCOPY. Rubber Chemistry and Technology, 2013, 86, 250-260.	0.6	3
146	Thermal Behavior of Vulcanized Deproteinized Natural Rubber Nano-composites. Energy Procedia, 2014, 56, 634-640.	1.8	3
147	Preparation of Purified Natural Rubber by Removal of Proteins. Kobunshi Ronbunshu, 2015, 72, 1-6.	0.2	3
148	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
149	Detection of isomerization in commercial natural rubber. Vietnam Journal of Chemistry, 2018, 56, 574-578.	0.7	3
150	Protein Removal from Natural Rubber Latex with Fe ₃ O ₄ @Al ₂ O ₃ Nanoparticle. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
151	Graphene matrix formation in a natural rubber dispersoid. Polymer Journal, 2022, 54, 727-733.	1.3	3
152	Chain Anisotropy Effect on Polymer Nonlinear Viscoelasticity. E-Journal of Soft Materials, 2008, 4, 1-6.	2.0	2
153	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
154	Analysis of Degradation of EPDM Rubber Seal Through the Use of FIB-SEM. Seikei-Kakou, 2012, 24, 335-340.	0.0	2
155	EFFECT OF DECELERATED FERMENTATION ON MORPHOLOGY AND MECHANICAL PROPERTIES OF NATURAL RUBBER LATEX. Rubber Chemistry and Technology, 2013, 86, 615-625.	0.6	2
156	ANTIOXIDANTS FOR EPDM SEALS EXPOSED TO CHLORINATED TAP WATER. Rubber Chemistry and Technology, 2014, 87, 1-9.	0.6	2
157	Nuclear Magnetic Resonance Spectroscopy for the Analysis of Soft Materials. Nippon Gomu Kyokaishi, 2014, 87, 344-350.	0.0	2
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