

# Akikazu Matsumoto

## List of Publications by Year in descending order

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273  
papers

6,616  
citations

66315

42  
h-index

118793

62  
g-index

283  
all docs

283  
docs citations

283  
times ranked

2871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radical polymerization of N-(alkyl-substituted phenyl)maleimides: synthesis of thermally stable polymers soluble in nonpolar solvents. <i>Macromolecules</i> , 1990, 23, 4508-4513.	2.2	211
2	Crystal Engineering for Topochemical Polymerization of Muconic Esters Using Halogen-Halogen and CH/π Interactions as Weak Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 8891-8902.	6.6	180
3	Controlled Synthesis of Polymers Using the Iniferter Technique: Developments in Living Radical Polymerization. , 1998, , 75-137.		149
4	Reactivity in radical polymerization of N-substituted maleimides and thermal stability of the resulting polymers. <i>Polymer Bulletin</i> , 1990, 23, 43-50.	1.7	142
5	Intercalation of alkylamines into an organic polymer crystal. <i>Nature</i> , 2000, 405, 328-330.	13.7	128
6	Synthesis and characterization of poly(1-adamantyl methacrylate): effects of the adamantyl group on radical polymerization kinetics and thermal properties of the polymer. <i>Macromolecules</i> , 1991, 24, 4017-4024.	2.2	114
7	Reaction Principles and Crystal Structure Design for the Topochemical Polymerization of 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2502-2505.	7.2	107
8	Polymer Structure Control Based on Crystal Engineering for Materials Design. <i>Polymer Journal</i> , 2003, 35, 93-121.	1.3	106
9	Synthesis, Characterization, and Application of Poly[Substituted Methylene]S. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1988, 25, 537-554.	0.4	99
10	Crystal-Lattice Controlled Photopolymerization of Di(benzylammonium) (Z,Z)-Muconates. <i>Journal of the American Chemical Society</i> , 1999, 121, 11122-11129.	6.6	89
11	Stereospecific Polymerization of Dialkyl Muconates through Free Radical Polymerization: Isotropic Polymerization and Topochemical Polymerization. <i>Macromolecules</i> , 1996, 29, 423-432.	2.2	82
12	Two-Dimensional Hydrogen Bond Networks Supported by CH/π Interaction Leading to a Molecular Packing Appropriate for Topochemical Polymerization of 1,3-Diene Monomers. <i>Crystal Growth and Design</i> , 2003, 3, 247-256.	1.4	80
13	Crystalline-State Polymerization of Diethyl(Z,Z)-2,4-Hexadienedioate via a Radical Chain Reaction Mechanism To Yield an Ultrahigh-Molecular-Weight and Stereoregular Polymer. <i>Macromolecules</i> , 1998, 31, 2129-2136.	2.2	79
14	Cohesive Force Change Induced by Polyperoxide Degradation for Application to Dismantlable Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2594-2601.	4.0	76
15	Molecular Design and Polymer Structure Control Based on Polymer Crystal Engineering. Topochemical Polymerization of 1,3-Diene Mono- and Dicarboxylic Acid Derivatives Bearing a Naphthylmethylammonium Group as the Counteranion. <i>Journal of the American Chemical Society</i> , 2000, 122, 9109-9119.	6.6	74
16	Thermochromism and Structural Change in Polydiacetylenes Including Carboxy and 4-Carboxyphenyl Groups as the Intermolecular Hydrogen Bond Linkages in the Side Chain. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 940-948.	4.0	74
17	Topochemical Polymerization of 1,3-Diene Monomers and Features of Polymer Crystals as Organic Intercalation Materials. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1195.	2.0	73
18	Thermochromism of Polydiacetylenes in the Solid State and in Solution by the Self-Organization of Polymer Chains Containing No Polar Group. <i>Macromolecules</i> , 2008, 41, 2467-2473.	2.2	73

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19	Organic Layered Crystals with Adjustable Interlayer Distances of 1-Naphthylmethylammoniumn-Alkanoates and Isomerism of Hydrogen-Bond Networks by Steric Dimension. <i>Journal of the American Chemical Society</i> , 2004, 126, 1764-1771.	6.6	70
20	Reactions of 1,3-Diene Compounds in the Crystalline State. <i>Topics in Current Chemistry</i> , 0, , 263-305.	4.0	69
21	Dilute solution properties of semiflexible poly(substituted methylenes): intrinsic viscosity of poly(diisopropyl fumarate) in benzene. <i>Macromolecules</i> , 1990, 23, 5102-5105.	2.2	68
22	Synthesis and thermal properties of poly(cycloalkyl methacrylate)s bearing bridged- and fused-ring structures. <i>Journal of Polymer Science Part A</i> , 1993, 31, 2531-2539.	2.5	65
23	Convenient Synthesis of Polymers Containing Labile Bonds in the Main Chain by Radical Alternating Copolymerization of Alkyl Sorbates with Oxygen. <i>Macromolecules</i> , 2000, 33, 1651-1655.	2.2	60
24	Multicomponent Organic Alloys Based on Organic Layered Crystals. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7059-7062.	7.2	60
25	Pressure-Sensitive Adhesion System Using Acrylate Block Copolymers in Response to Photoirradiation and Postbaking as the Dual External Stimuli for On-Demand Dismantling. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 2124-2132.	4.0	58
26	Synthesis, Thermal Properties, and Gas Permeability of Poly(N-n-alkylmaleimide)s. <i>Polymer Journal</i> , 1991, 23, 201-209.	1.3	54
27	Effect of .alpha.- and .beta.-ester alkyl groups on the propagation and termination rate constants for radical polymerization of dialkyl itaconates. <i>Macromolecules</i> , 1993, 26, 3026-3029.	2.2	54
28	A Novel Organic Intercalation System with Layered Polymer Crystals as the Host Compounds Derived from 1,3-Diene Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2002, 124, 13749-13756.	6.6	53
29	Organotellurium-Mediated Living Radical Polymerization (TERP) of Acrylates Using Ditelluride Compounds and Binary Azo Initiators for the Synthesis of High-Performance Adhesive Block Copolymers for On-Demand Dismantlable Adhesion. <i>Macromolecules</i> , 2013, 46, 8111-8120.	2.2	53
30	Regiospecific Radical Polymerization of a Tetrasubstituted Ethylene Monomer with Molecular Oxygen for the Synthesis of a New Degradable Polymer. <i>Journal of the American Chemical Society</i> , 2006, 128, 4566-4567.	6.6	52
31	Radical polymerization of methyl acrylate by use of benzyl N, N-diethyldithiocarbamate in combination with tetraethylthiuram disulfide as a two-component iniferter. <i>Journal of Polymer Science Part A</i> , 1994, 32, 2911-2918.	2.5	51
32	Stereospecific polymerisation of diethyl (Z,Z)-hexa-2,4-dienedioate in the crystalline state. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1389.	2.0	51
33	Structure Analysis of Monomer and Polymer Crystals in the Photoinduced Solid-State Polymerization Reaction of Diethyl cis,cis-Muconate. <i>Macromolecules</i> , 1999, 32, 7946-7950.	2.2	50
34	Facile Synthesis of Main-Chain Degradable Block Copolymers for Performance Enhanced Dismantlable Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 2057-2064.	4.0	50
35	Radical copolymerization of N-alkylmaleimides with isobutene and the properties of the resulting alternating copolymers. <i>Journal of Polymer Science Part A</i> , 1996, 34, 367-373.	2.5	48
36	Sequence-Controlled Radical Copolymerization of N-Substituted Maleimides with Olefins and Polyisobutene Macromonomers To Fabricate Thermally Stable and Transparent Maleimide Copolymers with Tunable Glass Transition Temperatures and Viscoelastic Properties. <i>Macromolecules</i> , 2013, 46, 7733-7744.	2.2	48

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37	Increase in thermal stability of vinyl polymers through radical copolymerization with N-cyclohexylmaleimide. <i>Polymer International</i> , 1991, 25, 179-184.	1.6	47
38	Supramolecular Control over the Stereochemistry of Diene Polymers. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3811-3814.	7.2	46
39	Detailed mechanism of radical high polymerization of sterically hindered dialkyl fumarates. <i>Macromolecular Symposia</i> , 1995, 98, 139-152.	0.4	45
40	First Disyndiotactic Polymer from a 1,4-Disubstituted Butadiene by Alternate Molecular Stacking in the Crystalline State. <i>Journal of the American Chemical Society</i> , 2002, 124, 9676-9677.	6.6	45
41	Sequence-Controlled Radical Polymerization of N-Substituted Maleimides with 1-Methylenebenzocycloalkanes and the Characterization of the Obtained Copolymers with Excellent Thermal Resistance and Transparency. <i>Macromolecules</i> , 2013, 46, 3314-3323.	2.2	45
42	Radical polymerization of methyl methacrylate in the presence of magnesium bromide as the Lewis acid. <i>Journal of Applied Polymer Science</i> , 1999, 74, 290-296.	1.3	44
43	Synchronized Propagation Mechanism for Crystalline-State Polymerization of p-Xylylenediammonium Disorbate. <i>Journal of the American Chemical Society</i> , 2001, 123, 12176-12181.	6.6	44
44	Fluorescence from Aromatic Compounds Isolated in the Solid State by Double Intercalation Using Layered Polymer Crystals as the Host Solid. <i>Langmuir</i> , 2006, 22, 1943-1945.	1.6	44
45	Effect of the substituents on radical copolymerization of dialkyl fumarates with some vinyl monomers. <i>Journal of Polymer Science Part A</i> , 1992, 30, 1559-1565.	2.5	43
46	One-Step Synthesis of Thermally Curable Hyperbranched Polymers by Addition-fragmentation Chain Transfer Using Divinyl Monomers. <i>Macromolecules</i> , 2014, 47, 937-943.	2.2	43
47	Structural Change in the Topochemical Solid-State Polymerization Process of Diethylcis,cis-Muconate Crystal. 1. Investigation of Polymerization Process by Means of X-ray Diffraction, Infrared/Raman Spectra, and DSC. <i>Macromolecules</i> , 1999, 32, 2449-2454.	2.2	42
48	Supramolecular Chirality in Layered Crystals of Achiral Ammonium Salts and Fatty Acids: A Hierarchical Interpretation. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4142-4145.	7.2	40
49	Solid-State Reactions of Crystals Containing Two Kinds of Polymerizable Moieties of Diene and Diyne. <i>Crystal Growth and Design</i> , 2009, 9, 3481-3487.	1.4	40
50	One-way EZ-isomerization of bis(n-butylammonium) (Z,Z)-muconate under photoirradiation in the crystalline state. <i>Chemical Communications</i> , 2001, , 2004-2005.	2.2	39
51	Structural and Chromatic Changes of Host Polydiacetylene Crystals during Intercalation with Guest Alkylamines. <i>Macromolecules</i> , 2011, 44, 3323-3327.	2.2	39
52	Degradable Polymers Prepared from Alkyl Sorbates and Oxygen under Atmospheric Conditions and Precise Evaluation of Their Thermal Properties. <i>Polymer Journal</i> , 2003, 35, 640-651.	1.3	37
53	Radical polymerization of 4-tert-butylcyclohexyl methacrylate: polymerization kinetics and polymer properties. <i>Macromolecules</i> , 1993, 26, 1659-1665.	2.2	36
54	Synthesis and characterization of poly(N-tert-alkylmaleimide)s. <i>Polymer Bulletin</i> , 1990, 24, 467-474.	1.7	35

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55	Meso and racemo Additions in Propagation for Radical Polymerization of Dialkyl Fumarates II. Determination of the Absolute Rate Constants. <i>Polymer Journal</i> , 1991, 23, 1249-1252.	1.3	35
56	Evaluation of chain rigidity of poly(diisopropyl fumarate) from light scattering and viscosity in tetrahydrofuran. <i>European Polymer Journal</i> , 1999, 35, 2107-2113.	2.6	35
57	Acetal-protected acrylic copolymers for dismantlable adhesives with spontaneous and complete removability. <i>Polymer</i> , 2015, 64, 260-267.	1.8	34
58	Solid-state photopolymerization of octadecyl sorbate to yield an alternating copolymer with oxygen. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 2511-2516.	1.1	33
59	Facile synthesis of functional polyperoxides by radical alternating copolymerization of 1,3-dienes with oxygen. <i>Chemical Record</i> , 2009, 9, 247-257.	2.9	33
60	Self-Assembly and Cellular Uptake of Degradable and Water-Soluble Polyperoxides. <i>Bioconjugate Chemistry</i> , 2009, 20, 1879-1887.	1.8	33
61	The Role of Intermolecular Hydrogen Bonding on Thermal Properties of Maleimide-Isobutene Alternating Copolymers with Polar Groups. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1503-1514.	1.1	31
62	Radical Alternating Copolymerization of Twisted 1,3-Butadienes with Maleic Anhydride as a New Approach for Degradable Thermosetting Resin. <i>Macromolecules</i> , 2014, 47, 6619-6626.	2.2	31
63	Synthesis and characterization of poly(N-tert-alkylmaleimide)s. <i>Polymer Bulletin</i> , 1990, 24, 459-466.	1.7	30
64	Meso and racemo Additions in Propagation for Radical Polymerization of Dialkyl Fumarates I. Stereoregularity of Poly(dialkyl fumarate)s. <i>Polymer Journal</i> , 1991, 23, 1191-1196.	1.3	30
65	Regiospecific Structure, Degradation, and Functionalization of Polyperoxides Prepared from Sorbic Acid Derivatives with Oxygen. <i>Macromolecules</i> , 2006, 39, 9112-9119.	2.2	30
66	Columnar mesophases constructed by hierarchical self-organization of rod-like diacetylene molecules. <i>Journal of Materials Chemistry</i> , 2011, 21, 10730.	6.7	30
67	High-molecular-weight polar acrylate block copolymers as high-performance dismantlable adhesive materials in response to photoirradiation and postbaking. <i>RSC Advances</i> , 2014, 4, 24719-24728.	1.7	30
68	Change in Crystal Structure and Polymerization Reactivity for the Solid-State Polymerization of Muconic Esters. <i>Crystal Growth and Design</i> , 2007, 7, 1078-1085.	1.4	29
69	Novel synthesis of high molecular weight polymaleimide from N-t-butylmaleimide. <i>Journal of Polymer Science, Part C: Polymer Letters</i> , 1986, 24, 113-117.	0.7	28
70	Polymerization of N-alkyl-substituted itaconimides and N-(alkyl-substituted phenyl)itaconimides and characterization of the resulting polymers. <i>Journal of Polymer Science Part A</i> , 1994, 32, 2073-2083.	2.5	28
71	Fabrication and Degradation of Polyperoxides by a Radical Chain Process under Mild Conditions. <i>Chemistry Letters</i> , 2004, 33, 732-733.	0.7	28
72	Crystal Phase Transition and Solid-State Photoisomerization of Benzyl (Z)-Muconate Polymorphs Studied by Direct Observation of Crystal Structure Change. <i>Crystal Growth and Design</i> , 2010, 10, 3203-3210.	1.4	28

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73	Conformational Structure of Methacrylate Radicals as Studied by Electron Spin Resonance Spectroscopy: From Small Molecule Radicals to Polymer Radicals. <i>Macromolecules</i> , 1996, 29, 3758-3772.	2.2	27
74	Kinetic study of radical polymerization of dialkyl fumarates using electron spin resonance spectroscopy. <i>Journal of Polymer Science Part A</i> , 1996, 34, 291-299.	2.5	27
75	Alternating copolymerization of N-(alkyl-substituted phenyl)maleimides with isobutene and thermal properties of the resulting copolymers. <i>Journal of Polymer Science Part A</i> , 1996, 34, 2499-2505.	2.5	27
76	Orientational Control of Guest Molecules in an Organic Intercalation System by Host Polymer Tacticity. <i>Chemistry - A European Journal</i> , 2006, 12, 2139-2146.	1.7	27
77	Thermochromism of Polydiacetylenes Containing Robust 2D Hydrogen Bond Network of Naphthylmethylammonium Carboxylates. <i>Macromolecules</i> , 2008, 41, 6055-6065.	2.2	27
78	Thermally Stable Polysulfones Obtained by Regiospecific Radical Copolymerization of Various Acyclic and Cyclic 1,3-Diene Monomers with Sulfur Dioxide and Subsequent Hydrogenation. <i>Macromolecules</i> , 2011, 44, 9125-9137.	2.2	27
79	Direct observation of change in the molecular structure of benzyl (Z,Z)-muconate during photoisomerization in the solid state. <i>Chemical Communications</i> , 2008, , 55-57.	2.2	26
80	Soluble and Thermally Stable Polysulfones Prepared by the Regiospecific and Alternating Radical Copolymerization of 2,4-Hexadiene with Sulfur Dioxide. <i>Macromolecules</i> , 2010, 43, 1800-1806.	2.2	26
81	Controlled Radical Polymerization of 3-Methylenecyclopentene with N-Substituted Maleimides To Yield Highly Alternating and Regiospecific Copolymers. <i>Macromolecules</i> , 2013, 46, 9526-9536.	2.2	26
82	Design of a High-Performance Dismantlable Adhesion System Using Pressure-Sensitive Adhesive Copolymers of 2-Hydroxyethyl Acrylate Protected with <i>tert</i> -Butoxycarbonyl Group in the Presence of Cross-Linker and Lewis Acid. <i>ACS Omega</i> , 2018, 3, 16357-16368.	1.6	26
83	Feature of $\dot{\Gamma}^3$ -Radiation Polymerization of Muconic Acid Derivatives in the Crystalline State. <i>Macromolecules</i> , 2000, 33, 7786-7792.	2.2	25
84	Reaction Principles and Crystal Structure Design for the Topochemical Polymerization of 1,3-Dienes. <i>Angewandte Chemie</i> , 2002, 114, 2612-2615.	1.6	25
85	Synthesis of Poly(lactic acid) with Branched and Network Structures Containing Thermally Degradable Junctions. <i>Macromolecules</i> , 2007, 40, 509-517.	2.2	25
86	Reaction Mechanism Based on X-ray Crystal Structure Analysis during the Solid-State Polymerization of Muconic Esters. <i>Macromolecules</i> , 2007, 40, 6048-6056.	2.2	25
87	Synthesis of heat- and solvent-resistant polymers by radical polymerization of trifluoromethyl-substituted N-phenylmaleimides. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1703-1708.	1.3	24
88	Quantitative evaluation of stress distribution in bulk polymer samples through the comparison of mechanical behaviors between giant single-crystal and semicrystalline samples of poly(trans-1,4-diethyl muconate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 444-453.	2.4	24
89	Synthesis and Thermal Properties of Alternating Copolymers of N-Methylmaleimide with Olefins Including Cyclic and Polar Groups. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2312-2319.	1.1	24
90	Precise Synthesis of Acrylic Block Copolymers and Application to On-demand Dismantlable Adhesion Systems in Response to Photoirradiation and Postbaking. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2013, 26, 239-244.	0.1	24

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91	<sup>13</sup> C nuclear magnetic resonance study of stereoregularity in poly(dialkyl fumarate)s bearing t-butyl ester groups. <i>Polymer</i> , 1991, 32, 2741-2746.	1.8	23
92	Facile Synthesis of Degradable Gels by Oxygen Cross-Linking of Polymers Including a Dienyl Group on Their Side Chain or at Chain Ends. <i>Macromolecules</i> , 2007, 40, 6143-6149.	2.2	23
93	Penultimate Unit and Solvent Effects on 2:1 Sequence Control During Radical Copolymerization of <i>N</i> -Phenylmaleimide With $\beta$ -Pinene. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2479-2485.	1.1	23
94	Synthesis and thermal, optical, and mechanical properties of sequence-controlled poly(1-adamantyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Science Part A, 2014, 52, 2899-2910.	2.5	23
95	Synthesis of Thermally Stable Vinyl Polymers from Adamantyl-Containing Acrylic Derivatives. <i>Chemistry Letters</i> , 1991, 20, 1145-1148.	0.7	22
96	Synthesis and characterization of polymers from itaconic acid derivatives. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 63, 87-104.	0.6	22
97	Elucidation of mechanism for living radical polymerization of styrene with <i>N,N</i> -diethyldithiocarbamate derivatives as iniferters by the use of spin trapping technique. <i>Journal of Polymer Science Part A</i> , 1994, 32, 2241-2249.	2.5	22
98	Molecular Stacking and Photoreactions of Fluorine-Substituted Benzyl Muconates in the Crystals. <i>Crystal Growth and Design</i> , 2007, 7, 377-385.	1.4	22
99	Highly-controlled regiospecific free-radical copolymerization of 1,3-diene monomers with sulfur dioxide. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3753.	1.5	22
100	Dismantlable adhesion properties of reactive acrylic copolymers resulting from cross-linking and gas evolution. <i>Journal of Adhesion</i> , 2017, 93, 811-822.	1.8	22
101	Synthesis and Characterization of Thermally Stable Polymers through Anionic Polymerization of tert-Alkyl Crotonates. <i>Polymer Journal</i> , 1991, 23, 211-218.	1.3	21
102	Stereospecific Polymerization of 1,3-Diene Monomers in the Crystalline State. <i>Progress in Reaction Kinetics and Mechanism</i> , 2001, 26, 59-109.	1.1	21
103	Thermosetting Maleimide/Isobutene Alternating Copolymer as a New Class of Transparent Materials. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 782-790.	1.1	21
104	Reversible thickness control of polymer thin films containing photoreactive coumarin derivative units. <i>Progress in Organic Coatings</i> , 2013, 76, 1747-1751.	1.9	21
105	Thermal decomposition of methacrylate polymers containing tert-butoxycarbonyl moiety. <i>Polymer Degradation and Stability</i> , 2019, 166, 145-154.	2.7	21
106	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1991, 192, 1921-1929.	1.1	20
107	Opening mode in the propagation of dialkyl fumarates and maleates as 1,2-disubstituted ethylenes in radical polymerization. <i>Macromolecules</i> , 1992, 25, 2837-2841.	2.2	20
108	Control of Stereochemistry of Polymers in Radical Polymerization. , 0, , 691-773.		20

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109	Facile Synthesis of a Degradable Gel by Radical Copolymerization of Vinyl Sorbate and Molecular Oxygen. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 2451-2456.	1.1	20
110	In situ Collapse of Phase-Separated Structure by Covalent Bond Cleavage at a Branching Point upon Heating. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1950-1953.	2.0	20
111	Detailed kinetic analysis of the radical polymerization of trans-4-tert-butylcyclohexyl methacrylate in benzene based on the rate constants determined by electron spin resonance spectroscopy. <i>Macromolecules</i> , 1994, 27, 5863-5870.	2.2	19
112	Evident solvent effect on propagation reactions during radical copolymerization of maleimide and alkene. <i>Journal of Polymer Science Part A</i> , 1997, 35, 1515-1525.	2.5	19
113	Vibrational Spectroscopic Study on the Molecular Deformation Mechanism of a Poly(trans-1,4-diethyl) Tj ETQq1 1 0,784314 rgBT /Over	2.2	19
114	Organic Intercalation of Unsaturated Amines into Layered Polymer Crystals and Solid-State Photoreactivity of the Guest Molecules in Constrained Interlayers. <i>Polymer Journal</i> , 2003, 35, 652-661.	1.3	19
115	An Organic/Inorganic Nanocomposite Consisting of Polymuconate and Silver Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 361-369.	1.1	19
116	Thermal Properties of N-Phenylmaleimide-Isobutene Alternating Copolymers Containing Polar Groups to Form Intermolecular and Intramolecular Hydrogen Bonding. <i>Polymer Journal</i> , 2008, 40, 736-742.	1.3	19
117	Synthesis and thermal properties of poly(adamantyl sorbate). <i>Die Makromolekulare Chemie Rapid Communications</i> , 1991, 12, 681-685.	1.1	18
118	Poly(N-n-butylitaconimide). Preparation and characterization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993, 31, 527-535.	2.4	18
119	Mechanical properties and thermal aging behavior of styrene-butadiene rubbers vulcanized using liquid diene polymers as the plasticizer. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2314-2320.	1.3	18
120	Heat resistant and transparent organic-inorganic hybrid materials composed of allyl maleimide copolymer and random-type SH-modified silsesquioxane. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2294-2302.	2.5	18
121	Phase separation during bulk polymerization of methyl methacrylate. <i>Polymer Journal</i> , 2019, 51, 423-431.	1.3	18
122	Radical polymerization of alkyl crotonates as 1,2-disubstituted ethylenes leading to thermally stable substituted polymethylene. <i>Journal of Polymer Science Part A</i> , 1994, 32, 1957-1968.	2.5	17
123	Conformational Dynamics in a Methacrylate-Derived Radical: A Computational and EPR Study. <i>Macromolecules</i> , 2001, 34, 723-726.	2.2	17
124	Photodimerization of 2-pyridone in cocrystals with carboxylic acids using the stacking effect of naphthalene rings. <i>CrystEngComm</i> , 2002, 4, 467.	1.3	17
125	Synthesis of degradable network polymers containing peroxy units in the main chain or the cross-linking point. <i>Progress in Organic Coatings</i> , 2010, 67, 85-91.	1.9	17
126	Radical polymerization and copolymerization reactivities of fumarates bearing different alkyl ester groups. <i>Journal of Polymer Science Part A</i> , 1993, 31, 2523-2529.	2.5	16



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127	Propagation and termination rate constants of dialkyl itaconates bearing cyclohexyl-based ester groups in radical polymerization. <i>European Polymer Journal</i> , 1995, 31, 121-124.	2.6	16
128	First example of the topochemical polymerization of the (E,E)-muconic acid derivative. <i>Macromolecular Rapid Communications</i> , 2000, 21, 40-44.	2.0	16
129	Relationship between Packing Structure and Monomer Reactivity in the Photoinduced Solid-State Polymerizations of Muconic Diesters with Different Side Groups. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4155-4165.	1.2	16
130	Living radical polymerization of diisopropyl fumarate to obtain block copolymers containing rigid poly(substituted methylene) and flexible polyacrylate segments. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2136-2147.	2.5	16
131	UV Curable Formulations for UV-C LEDs. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016, 29, 99-104.	0.1	16
132	Different hydration states and passive tumor targeting ability of polyethylene glycol-modified dendrimers with high and low PEG density. <i>Materials Science and Engineering C</i> , 2021, 126, 112159.	3.8	16
133	Synthesis and Radical Polymerization of Itaconates Containing an Adamantyl Ester Group. <i>Bulletin of the Chemical Society of Japan</i> , 1992, 65, 846-852.	2.0	15
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