

Kohji Tashiro

List of Publications by Year in descending order

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288
papers

11,973
citations

32410

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42259

96
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298
all docs

298
docs citations

298
times ranked

8269
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Transition Behavior of Polymer Crystals. , 2022, , 769-812.		0
2	Crystal Structure Analysis by Wide-Angle X-ray Diffraction Method. , 2022, , 1-285.		2
3	Forcibly Spinning Using <i>Bombyx Mori</i> Silkworm Anesthetized by the Water Narcosis Treatment. Journal of Natural Fibers, 2021, 18, 419-429.	1.7	0
4	Effect of Methoxy Side Groups on the Crystal Structures of a Series of <i>Syndiotactic</i> Polymethoxystyrenes as Studied by the X-ray Diffraction Data Analysis. Macromolecules, 2021, 54, 1881-1893.	2.2	3
5	High-Electric-Field-Induced Hierarchical Structure Change of Poly(vinylidene fluoride) as Studied by the Simultaneous Time-Resolved WAXD/SAXS/FTIR Measurements and Computer Simulations. Macromolecules, 2021, 54, 2334-2352.	2.2	14
6	A Role of Taut Tie Chains in the Heterogeneous Stress Distribution and Mechanical Deformation Behavior of Synthetic and Natural Fibers. Journal of Fiber Science and Technology, 2021, 77, 88-117.	0.2	1
7	Heterogeneous Stress Distribution and Hierarchical Structure in the Highly Oriented Nylon 6 Strings Annealed at Various Temperatures to Evaluate the True Crystallite Modulus. Macromolecules, 2021, 54, 6449-6465.	2.2	3
8	Experimental confirmation of proton conductivity predicted from intermolecular hydrogen-bonding in spatially-confined novel histamine derivatives. Journal of Solid State Chemistry, 2021, 299, 122182.	1.4	1
9	Influence of Tacticity on the Crystal Structures of Hydrogenated Ring-Opened Poly(norbornene)s. Macromolecules, 2021, 54, 8122-8134.	2.2	11
10	X-ray study of Poly(vinyl Alcohol)-Iodine complex prepared from the dilute iodine solution as a hint to know the inner structure of polarizer. Polymer, 2021, 233, 124180.	1.8	12
11	Crystal structures and phase transition of tetrafluoroethylene-vinyl alcohol alternating copolymer. Polymer, 2021, 237, 124354.	1.8	0
12	New Evolution in Crystal Structure Analysis of Synthetic Polymers on the Basis of Concerted Analysis of X-ray and Neutron Diffraction Data. Nihon Kessho Gakkaishi, 2021, 63, 273-279.	0.0	0
13	Color and shape reversible, recoverable and repeatable mechanochromic shape memory polycaprolactone: a single material with dual functions. Polymer Chemistry, 2020, 11, 91-101.	1.9	9
14	Metropolis Monte Carlo Simulation of Two-Dimensional Small-Angle X-ray Scattering Patterns of Oriented Polymer Materials. Macromolecules, 2020, 53, 276-287.	2.2	7
15	Introduction of Disorder in the Crystal Structures of <i>Atactic</i> Poly(vinyl Alcohol) and Its Iodine Complex To Solve a Dilemma between X-ray and Neutron Diffraction Data Analyses. Macromolecules, 2020, 53, 6656-6671.	2.2	16
16	Crystallization behavior, structure, morphology, and thermal properties of crystalline and amorphous stereo diblock copolymers, poly(l-lactide)-b-poly(dl-lactide). Polymer Chemistry, 2020, 11, 5711-5724.	1.9	7
17	Fiber Structure, Tensile Behavior and Antibacterial Activity of Polylactide/Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Science - Physics, 2020, 59, 440-456.	0.4	8
18	Crystalline Iodine Complexes of Amorphous Poly(vinyl acetate) as Studied by X-ray Diffraction, Vibrational Spectroscopy, and Computer Simulation. Macromolecules, 2020, 53, 4395-4406.	2.2	7

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19	Structural Evolution Mechanism of Crystalline Polymers in the Isothermal Melt-Crystallization Process: A Proposition Based on Simultaneous WAXD/SAXS/FTIR Measurements. <i>Polymers</i> , 2019, 11, 1316.	2.0	15
20	pH-induced conformational changes in histamine in the solid state. <i>RSC Advances</i> , 2019, 9, 19375-19389.	1.7	7
21	Microstructural Analyses of Biaxially Oriented Polylactide/Modified Thermoplastic Starch Film with Drastic Improvement in Toughness. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900340.	1.7	9
22	Synthesis and Cyclization-Induced Charge Transfer of Rectangular Bisterthiophenesiloxanes. <i>Chemistry - A European Journal</i> , 2019, 25, 13701-13704.	1.7	1
23	Crystal structure of cellulose-iodine complex. <i>Polymer</i> , 2019, 171, 140-148.	1.8	23
24	A study of the extraordinarily strong and tough silk produced by bagworms. <i>Nature Communications</i> , 2019, 10, 1469.	5.8	59
25	X-ray Crystal Structure Analysis of Poly(3-hydroxybutyrate) β -Form and the Proposition of a Mechanism of the Stress-Induced β -to- β' Phase Transition. <i>Macromolecules</i> , 2019, 52, 2995-3009.	2.2	38
26	Experimental Determination of the Geometrical Relation between Monomer and Polymer Species of 2,5-Distyrylpyrazine Single Crystal in the Topotactic Photoinduced Polymerization Reaction. <i>Macromolecules</i> , 2019, 52, 2189-2202.	2.2	12
27	Synchrotron microbeam X-ray scattering study of the crystallite orientation in the spherulites of isotactic poly(butene-1) crystallized isothermally at different temperatures. <i>Polymer Journal</i> , 2019, 51, 143-153.	1.3	6
28	Relationship between twisting phenomenon and structural discontinuity of stacked lamellae in the spherulite of poly(ethylene adipate) as studied by the synchrotron X-ray microbeam technique. <i>Polymer Journal</i> , 2019, 51, 131-141.	1.3	19
29	Important Factors Necessary for Further Improvement of Elastic Modulus and Strength of Thermoplastics. <i>Seikei-Kakou</i> , 2019, 31, 216-221.	0.0	0
30	Effect of Elevated Temperatures on the States of Water and Their Correlation with the Proton Conductivity of Nafion. <i>ACS Omega</i> , 2018, 3, 349-360.	1.6	40
31	Structural study of the ordering processes of cold drawn <i>trans</i> -1,4-polyisoprene samples in the heating process on the basis of wide- and small-angle X-ray scattering measurements. <i>Journal of Physics: Conference Series</i> , 2018, 1095, 012029.	0.3	2
32	Structure Analysis and Derivation of Deformed Electron Density Distribution of Polydiacetylene Giant Single Crystal by the Combination of X-ray and Neutron Diffraction Data. <i>Macromolecules</i> , 2018, 51, 3911-3922.	2.2	7
33	Study of phase transition and ultimate mechanical properties of orthorhombic polyoxymethylene based on the refined crystal structure. <i>Polymer</i> , 2018, 153, 474-484.	1.8	7
34	Crystal polymorphism and structure models of Poly(dimethylsiloxane). <i>Polymer</i> , 2018, 153, 507-520.	1.8	9
35	Comprehensive Study on the Formation of Higher-Order Structure of <i>Bombyx mori</i> Silkworm Fibers: Influence of Sericin Fractions, Modulation of Spinning Process, and Metal Ion Interactions. <i>Journal of Fiber Science and Technology</i> , 2018, 74, 95-108.	0.2	6
36	Crystal structures and phase transition behavior of Poly(nonamethylene terephthalamide) and its model compounds. <i>Polymer</i> , 2017, 116, 378-394.	1.8	7

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37	Phase Transition Mechanism of Poly(l-lactic acid) among the \hat{I}_{\pm} , \hat{I}' , and \hat{I}^2 Forms on the Basis of the Reinvestigated Crystal Structure of the \hat{I}^2 Form. <i>Macromolecules</i> , 2017, 50, 3285-3300.	2.2	53
38	Reinvestigation of the \hat{I}^2 -to- \hat{I}_{\pm} Crystal Phase Transition of Poly(butylene adipate) by the Time-Resolved X-ray Scattering and FTIR Spectral Measurements in the Temperature-Jump Process. <i>Macromolecules</i> , 2017, 50, 3883-3889.	2.2	35
39	Observation of Water-Stimulated Supercontraction of Uniaxially Oriented Poly(vinyl alcohol) and the Related Hierarchical Structure Change Revealed by the Time-Resolved WAXD/SAXS Measurements. <i>Macromolecules</i> , 2017, 50, 2803-2813.	2.2	4
40	Confirmation of the X-ray-Analyzed Heterogeneous Distribution of the PDLA and PLLA Chain Stems in the Crystal Lattice of Poly(lactic acid) Stereocomplex on the Basis of the Vibrational Circular Dichroism IR Spectral Measurement. <i>Macromolecules</i> , 2017, 50, 8066-8071.	2.2	37
41	Crystal Structure of Poly(lactic acid) Stereocomplex: Random Packing Model of PDLA and PLLA Chains As Studied by X-ray Diffraction Analysis. <i>Macromolecules</i> , 2017, 50, 8048-8065.	2.2	100
42	Transformation of Coiled \hat{I}_{\pm} -Helices into Cross- \hat{I}^2 -Sheets Superstructure. <i>Biomacromolecules</i> , 2017, 18, 3892-3903.	2.6	8
43	Infrared Spectroscopy and X-ray Diffraction Characterization of Dimorphic Crystalline Structures of Polyethylenes with Halogens Placed at Equal Distance along the Backbone. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10166-10179.	1.2	19
44	Effect of Crystal Status Transformation on the Thermal Shrinkage Characteristics and Extensional Characteristics of Acetaldehyde Solvent-Induced Crystallization PET Film. <i>Transactions of the Materials Research Society of Japan</i> , 2017, 42, 107-111.	0.2	2
45	The effect of counter cation species on the formation of various crystal forms and their phase transition behavior of poly(vinyl alcohol)-iodine complex. <i>Polymer</i> , 2016, 89, 81-93.	1.8	12
46	Time-Resolved Imaging of the Phase Transition in the Melt-Grown Spherulites of Isotactic Polybutene-1 as Detected by the Two-Dimensional Polarized IR Imaging Technique. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4689-4698.	1.2	19
47	Progress in Structure Analysis Techniques of Fibers. , 2016, , 21-47.		0
48	Microscopically Viewed Relationship Between Structure and Mechanical Property of Crystalline Polymers: An Important Guiding Principle for the Development of Super Fibers. , 2016, , 95-108.		3
49	Details of the intermolecular interactions in poly(vinyl alcohol)-iodine complexes as studied by quantum chemical calculations. <i>Polymer</i> , 2016, 99, 566-579.	1.8	25
50	Constructing π -Electron-Conjugated Diarylbutadiyne-Based Polydiacetylene under Molecular Framework Controlled by Hydrogen Bond and Side-Chain Substituent Position. <i>Macromolecular Rapid Communications</i> , 2016, 37, 685-690.	2.0	14
51	Reinvestigation of Crystal Structure and Intermolecular Interactions of Biodegradable Poly(3-Hydroxybutyrate) \hat{I}_{\pm} -Form and the Prediction of Its Mechanical Property. <i>Macromolecules</i> , 2016, 49, 581-594.	2.2	60
52	Relation between higher-order structure and crystalline phase transition of oriented isotactic polybutene-1 investigated by temperature-dependent time-resolved simultaneous WAXD/SAXS measurements. <i>Polymer</i> , 2016, 90, 165-177.	1.8	35
53	Molecular Orientation Enhancement of Silk by the Hot-Stretching-Induced Transition from \hat{I}_{\pm} -Helix-HFIP Complex to \hat{I}^2 -Sheet. <i>Biomacromolecules</i> , 2016, 17, 1437-1448.	2.6	37
54	Refinement of the Crystal Structures of Forms I and II of Isotactic Polybutene-1 and a Proposal of Phase Transition Mechanism between Them. <i>Macromolecules</i> , 2016, 49, 1392-1404.	2.2	104

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55	Isotope effect on the structural evolution process in the isothermal crystallization phenomenon of polyoxymethylene. <i>Polymer</i> , 2016, 90, 76-88.	1.8	6
56	Molecular assembly of highly symmetric molecules under a hydrogen bond framework controlled by alkyl building blocks: a simple approach to fine-tune nanoscale structures. <i>Soft Matter</i> , 2016, 12, 486-491.	1.2	3
57	Nanostructures and dielectric properties of PVDF-based polymer films with high energy density and low energy losses. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1740, 13.	0.1	0
58	DFT Study of Proton Transfer in Methyl Urocanate and Butyl Urocanate. <i>Macromolecular Symposia</i> , 2015, 354, 99-103.	0.4	0
59	A Study on Crystallization Behavior for Poly (Lactic Acid) in Addition of Cardo Materials. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2015, 64, 1-6.	0.1	4
60	Isotropically small crystalline lamellae induced by high biaxial-stretching rate as a key microstructure for super-tough polylactide film. <i>Polymer</i> , 2015, 68, 234-245.	1.8	69
61	Isotope Effect on the Melt Isothermal Crystallization of Polyoxymethylene D/H Random Copolymers and D/H Blend Samples. <i>Macromolecules</i> , 2015, 48, 8070-8081.	2.2	11
62	Effect of OH Segmental Length on the Iodine Complex Formation of Ethylene Vinyl Alcohol Random Copolymers. <i>Macromolecules</i> , 2015, 48, 8867-8876.	2.2	22
63	Detailed analysis of temperature dependences of spherulite morphology and crystallite orientation of poly(vinylidene fluoride) via a combinatorial method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 253-261.	2.4	8
64	Proton transfer mechanism of 1,3,5-tri(2-benzimidazolyl) benzene with a unique triple-stranded hydrogen bond network as studied by DFT-MD simulations. <i>Chemical Engineering Science</i> , 2015, 137, 404-411.	1.9	7
65	Quantitative Crystal Structure Analysis of Poly(vinyl Alcohol) Iodine Complexes on the Basis of 2D X-ray Diffraction, Raman Spectra, and Computer Simulation Techniques. <i>Macromolecules</i> , 2015, 48, 2138-2148.	2.2	45
66	Phenomenological study of the isotope effect on the equilibrium melting point of polymer crystal. <i>Polymer</i> , 2015, 80, 138-145.	1.8	2
67	Accurate Structure Analyses of Polymer Crystals on the Basis of Wide-Angle X-ray and Neutron Diffractions. <i>Kobunshi Ronbunshu</i> , 2014, 71, 508-526.	0.2	6
68	Shifting from Hydrogen Bond Network to π - π Stacking: A Key Mechanism for Reversible Thermochromic Sulfonated Poly(Ether Ether Ketone). <i>Macromolecular Rapid Communications</i> , 2014, 35, 1397-1401.	2.0	3
69	Self-assembled aromatic polyamide nanofibers with trifluoromethyl groups via precipitation polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 447, 148-154.	2.3	3
70	Crystal structure analyses of arylate polyesters with long methylene segments and their model compounds on the basis of 2-D X-ray diffractions and infrared progression bands. <i>Polymer</i> , 2014, 55, 1228-1248.	1.8	14
71	Hierarchical Structural Change in the Stress-Induced Phase Transition of Poly(tetramethylene) Undulator WAXD/SAXS Data. <i>Macromolecules</i> , 2014, 47, 2052-2061.	2.2	34
72	Polymorphism and Phase Transitions of Precisely Halogen-Substituted Polyethylene. (1) Crystal Structures of Various Crystalline Modifications of Bromine-Substituted Polyethylene on Every 21st Backbone Carbon. <i>Macromolecules</i> , 2014, 47, 4738-4749.	2.2	26

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73	Kinetic Control of Chlorine Packing in Crystals of a Precisely Substituted Polyethylene. Toward Advanced Polyolefin Materials. <i>Macromolecules</i> , 2014, 47, 236-245.	2.2	38
74	In-house simultaneous collection of small-angle X-ray scattering, wide-angle X-ray diffraction and Raman scattering data from polymeric materials. <i>Journal of Applied Crystallography</i> , 2014, 47, 922-930.	1.9	11
75	Microscopically-viewed relationship between the chain conformation and ultimate Young's modulus of a series of arylate polyesters with long methylene segments. <i>Polymer</i> , 2014, 55, 1799-1808.	1.8	17
76	Molecular mobility of imidazoles in molten state as a key factor to enhance proton conductivity. <i>Journal of Power Sources</i> , 2014, 249, 185-192.	4.0	17
77	Clarification of Cross-Linkage Structure in Boric Acid Doped Poly(vinyl alcohol) and Its Model Compound As Studied by an Organized Combination of X-ray Single-Crystal Structure Analysis, Raman Spectroscopy, and Density Functional Theoretical Calculation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6032-6037.	1.2	33
78	Structural Information Necessary for the Development of Ultimate Functions and the Relationship between Structure and Properties of Polymers. <i>Seikei-Kakou</i> , 2014, 26, 258-263.	0.0	0
79	Stress concentration in carbon fiber revealed by the quantitative analysis of X-ray crystallite modulus and Raman peak shift evaluated for the variously-treated monofilaments under constant tensile forces. <i>Carbon</i> , 2013, 53, 29-37.	5.4	30
80	Density functional molecular dynamics simulations investigation of proton transfer and inter-molecular reorientation under external electrostatic field perturbation: Case studies for water and imidazole systems. <i>Journal of Power Sources</i> , 2013, 229, 141-148.	4.0	4
81	Application of the simultaneous measurement system of WAXD, SAXS and transmission FTIR spectra to the study of structural changes in the cold- and melt-crystallization processes of trans-1,4-polyisoprene. <i>Polymer Journal</i> , 2013, 45, 1019-1026.	1.3	19
82	Phase-transition behavior of a crystalline polymer near the melting point: case studies of the ferroelectric phase transition of poly(vinylidene fluoride) and the I^2 -to- I^{\pm} transition of trans-1,4-polyisoprene. <i>Polymer Journal</i> , 2013, 45, 1107-1114.	1.3	26
83	Crystallization behavior of poly(lactic acid)/microfibrillated cellulose composite. <i>Polymer</i> , 2013, 54, 3417-3425.	1.8	74
84	Influence of the third monomer component on the X-ray-analyzed crystal structure of ethylene-tetrafluoroethylene copolymer. <i>European Polymer Journal</i> , 2013, 49, 1532-1540.	2.6	4
85	Experimental station for multiscale surface structural analyses of soft-material films at SPring-8 via a GISWAX/GIXD/XR-integrated system. <i>Polymer Journal</i> , 2013, 45, 109-116.	1.3	51
86	Effect of the third monomer unit on the phase transition of oriented ethylene-tetrafluoroethylene copolymer studied by the temperature-dependent measurements of 2D X-ray scattering and polarized infrared spectroscopy. <i>Polymer Journal</i> , 2013, 45, 545-554.	1.3	5
87	Recent Progress in Static and Dynamic Structural Analysis of Crystalline Polymers Studied from a Microscopic Point of View. , 2013, , 1-28.		0
88	Physical characteristics of the electrospun nanofiber consisting of the blends of conductive polymer and aromatic polymer. <i>Journal of Textile Engineering</i> , 2013, 59, 25-35.	0.5	0
89	Macromol. Chem. Phys. 20/2012. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2204-2204.	1.1	0
90	Experimentally- and theoretically-evaluated ultimate 3-dimensional elastic constants of trans-1,4-polyisoprene I^{\pm} and I^2 crystalline forms on the basis of the newly-refined crystal structure information. <i>Polymer</i> , 2012, 53, 3548-3558.	1.8	26

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91	Optical Birefringence Patterns and Corresponding Lamellar Alteration Induced by Solvent Vapor on Poly(L-lactic acid) Diluted with Poly(1,4-butylene adipate). <i>Macromolecules</i> , 2012, 45, 7313-7316.	2.2	16
92	Separate Crystallization and Cocrystallization of Poly(L-lactide) in the Presence of Poly(L-lactide)-Based Copolymers With Low Crystallizability, Poly(L-lactide-co-glycolide) and Poly(L-lactide-co-D-lactide). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2099-2112.	1.1	21
93	Theoretical and Experimental Evaluation of Crystallite Moduli of Various Crystalline Forms of Poly(L-lactic acid). <i>Macromolecules</i> , 2012, 45, 7019-7026.	2.2	45
94	New Developments in the Simultaneous Measurement System of Wide-Angle and Small-Angle X-ray Scatterings and Vibrational Spectra for the Static and Dynamic Analyses of the Hierarchical Structures of Polymer Solids. <i>Kobunshi Ronbunshu</i> , 2012, 69, 213-227.	0.2	11
95	Stress-induced microstructural changes and crystallite modulus of carbon fiber as measured by X-ray scattering. <i>Carbon</i> , 2012, 50, 1163-1169.	5.4	34
96	Synchronous and separate homo-crystallization of enantiomeric poly(l-lactic acid)/poly(d-lactic acid) blends. <i>Polymer</i> , 2012, 53, 747-754.	1.8	67
97	Influence of the third monomer component on the temperature-dependent crystallite modulus and tie chain fraction evaluated for ethylene-tetrafluoroethylene copolymers. <i>Polymer</i> , 2012, 53, 740-746.	1.8	11
98	Multipurpose soft-material SAXS/WAXS/GISAXS beamline at SPring-8. <i>Polymer Journal</i> , 2011, 43, 471-477.	1.3	112
99	Crystal Structure Analysis of Ethylene-Tetrafluoroethylene Alternating Copolymer. <i>Macromolecules</i> , 2011, 44, 1540-1548.	2.2	22
100	Mono-Substituted Phenol-Based Benzoxazines. , 2011, , 111-126.		7
101	Supramolecular Chemistry of Benzoxazines. , 2011, , 331-354.		3
102	Polyethylenimine Containing Benzimidazole Branching: A Model System Providing a Balance of Hydrogen Bond Network or Chain Mobility Enhances Proton Conductivity. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11359-11367.	1.2	22
103	Systematic Study of Aggregation Structure and Thermal Behavior of a Series of Unique H-Shape Alkane Molecules. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9537-9546.	1.2	5
104	Structural Regularization in the Crystallization Process from the Glass or Melt of Poly(L-lactic Acid) Viewed from the Temperature-Dependent and Time-Resolved Measurements of FTIR and Wide-Angle/Small-Angle X-ray Scatterings. <i>Macromolecules</i> , 2011, 44, 9650-9660.	2.2	121
105	Crystal Structure Analysis of Poly(L-lactic Acid) \hat{I} Form On the basis of the 2-Dimensional Wide-Angle Synchrotron X-ray and Neutron Diffraction Measurements. <i>Macromolecules</i> , 2011, 44, 6441-6452.	2.2	198
106	Static and Dynamic Structure Analyses of Polymer Crystals. <i>Nihon Kessho Gakkaishi</i> , 2011, 53, 387-395.	0.0	0
107	Cocrystallization phenomenon of polyoxymethylene blend samples between the deuterated and hydrogenated species. <i>Polymer Journal</i> , 2011, 43, 66-73.	1.3	16
108	Crystal structure and disorder in Poly(l-lactic acid) \hat{I} form (\hat{I}^2 form) and the phase transition mechanism to the ordered \hat{I} form. <i>Polymer</i> , 2011, 52, 6097-6109.	1.8	178

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109	Poly(acrylic acid-co-4-vinylimidazole)/Sulfonated poly(ether ether ketone) blend membranes: A role of polymer chain with proton acceptor and donor for enhancing proton transfer in anhydrous system. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 10384-10391.	3.8	27
110	Structural heterogeneity and stress distribution in carbon fiber monofilament as revealed by synchrotron micro-beam X-ray scattering and micro-Raman spectral measurements. <i>Carbon</i> , 2011, 49, 1646-1652.	5.4	58
111	Systematic studies on benzimidazole derivatives: Molecular structures and their hydrogen bond networks formation toward proton transfer efficiency. <i>Journal of Power Sources</i> , 2011, 196, 6144-6152.	4.0	27
112	Effect of chain-length of n-alkane on solvent-induced crystallization and solvent exchange phenomenon in syndiotactic polystyrene. <i>Polymer</i> , 2011, 52, 822-829.	1.8	17
113	Enhanced Contrast of Wavelength-Selective Mid-Infrared Detectors Stable against Incident Angle and Temperature Changes. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 037201.	0.8	3
114	Enhanced Contrast of Wavelength-Selective Mid-Infrared Detectors Stable against Incident Angle and Temperature Changes. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 037201.	0.8	1
115	Sulfur hexafluoride plasma surface modification of Gly-Ala and Ala-Gly as Bombyx mori silk model compounds: Mechanism investigations. <i>Journal of Molecular Structure</i> , 2010, 963, 130-136.	1.8	9
116	Microscopic Fourier Transform Infrared Characterization on Two Types of Spherulite with Polymorphic Crystals in Poly(heptamethylene terephthalate). <i>Macromolecular Rapid Communications</i> , 2010, 31, 1343-1347.	2.0	12
117	Mesomorphic phase in oriented poly(pentamethylene 2,6-naphthalate). <i>Polymer</i> , 2010, 51, 998-1001.	1.8	5
118	Influence of alternating sequential fraction on the melting and glass transition temperatures of ethylene-tetrafluoroethylene copolymer. <i>Polymer</i> , 2010, 51, 4831-4835.	1.8	22
119	Real-time investigation of crystallization in nylon 6-clay nano-composite probed by infrared spectroscopy. <i>Polymer</i> , 2010, 51, 5585-5591.	1.8	34
120	Friction-induced dynamic chemical changes of tricresyl phosphate as lubricant additive observed under boundary lubrication with 2D fast imaging FTIR-ATR spectrometer. <i>Wear</i> , 2010, 268, 911-916.	1.5	23
121	Contrast Enhancement of Wavelength-Selective Detection of Mid-Infrared Using Localized Atmospheric-Pressure Plasma Treatment. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 04DL18.	0.8	3
122	Correlation of Structure Changes in the Water-Induced Phase Transitions of Poly(ethylenimine) Viewed from Molecular, Crystal, and Higher-Order Levels As Studied by Simultaneous WAXD/SAXS/Raman Measurements. <i>Macromolecules</i> , 2010, 43, 402-408.	2.2	12
123	Six types of spherulite morphologies with polymorphic crystals in poly(heptamethylene) Tj ETQq1 1 0.784314 rgBT/Overlock_10 Tf 50	1.8	20
124	Enhanced contrast of wavelength selective Mid-IR detector stable against temperature change. , 2010, , .		0
125	Influence of the monomer sequential distribution on the mechanical properties and temperature dependence of an ethylene-tetrafluoroethylene copolymer in association with the phase-transition behavior. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1710-1716.	1.3	11
126	Investigation of structural changes related to temperature: An understanding of H-bond based proton transfer in 4(5)-vinylimidazole and acrylic acid copolymer membrane. <i>Solid State Ionics</i> , 2009, 180, 132-140.	1.3	5

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127	Investigation of the role of benzimidazole-based model compounds on thermal stability and anhydrous proton conductivity of sulfonated poly(ether ether ketone). <i>Solid State Ionics</i> , 2009, 180, 738-745.	1.3	24
128	Crystallization, spherulite growth, and structure of blends of crystalline and amorphous poly(lactide)s. <i>Polymer</i> , 2009, 50, 4007-4017.	1.8	110
129	Influence of side branch on the elastic modulus of ethylene-tetrafluoroethylene terpolymers. <i>Polymer</i> , 2009, 50, 4612-4617.	1.8	8
130	Amorphous phase and crystalline morphology in blend of two polymorphic polyesters: Poly(hexamethylene terephthalate) and poly(heptamethylene terephthalate). <i>Polymer</i> , 2009, 50, 6312-6322.	1.8	12
131	Structural phase transitions of syndiotactic polystyrene. <i>Progress in Polymer Science</i> , 2009, 34, 280-315.	11.8	157
132	Isothermal Crystallization Behavior of Isotactic Polypropylene H/D Blends as Viewed from Time-Resolved FTIR and Synchrotron SAXS/WAXD Measurements. <i>Macromolecules</i> , 2009, 42, 4191-4199.	2.2	64
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