

Shinji Ando

List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	n-Type Organic Field-Effect Transistors with Very High Electron Mobility Based on Thiazole Oligomers with Trifluoromethylphenyl Groups. <i>Journal of the American Chemical Society</i> , 2005, 127, 14996-14997.	13.7	319
2	High Performance n-Type Organic Field-Effect Transistors Based on π -Electronic Systems with Trifluoromethylphenyl Groups. <i>Journal of the American Chemical Society</i> , 2005, 127, 5336-5337.	13.7	276
3	Coloration of Aromatic Polyimides and Electronic Properties of Their Source Materials. <i>Polymer Journal</i> , 1997, 29, 69-76.	2.7	264
4	Spin-Coated Highly Efficient Phosphorescent Organic Light-Emitting Diodes Based on Bipolar Triphenylamine-Benzimidazole Derivatives. <i>Advanced Functional Materials</i> , 2008, 18, 584-590.	14.9	256
5	Anisotropic Thermal Diffusivity of Hexagonal Boron Nitride-Filled Polyimide Films: Effects of Filler Particle Size, Aggregation, Orientation, and Polymer Chain Rigidity. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4374-4382.	8.0	237
6	Redox-responsive molecular helices with highly condensed π -clouds. <i>Nature Chemistry</i> , 2011, 3, 68-73.	13.6	197
7	Polyimides Derived from 2,2'-Bis(trifluoromethyl)-4,4'-diaminobiphenyl. 4. Optical Properties of Fluorinated Polyimides for Optoelectronic Components. <i>Macromolecules</i> , 1994, 27, 6665-6670.	4.8	196
8	Optically Transparent Sulfur-Containing Polyimide/TiO ₂ Nanocomposite Films with High Refractive Index and Negative Pattern Formation from Poly(amic acid)/TiO ₂ Nanocomposite Film. <i>Chemistry of Materials</i> , 2008, 20, 273-281.	6.7	175
9	Solution-Processible Bipolar Triphenylamine-Benzimidazole Derivatives for Highly Efficient Single-Layer Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2008, 20, 2532-2537.	6.7	164
10	High-Performance Organic Field-Effect Transistors Based on π -Extended Tetrathiafulvalene Derivatives. <i>Journal of the American Chemical Society</i> , 2005, 127, 10142-10143.	13.7	156
11	Novel p- and n-Type Organic Semiconductors with an Anthracene Unit. <i>Chemistry of Materials</i> , 2005, 17, 1261-1264.	6.7	153
12	Analysis of Molecular Aggregation Structures of Fully Aromatic and Semialiphatic Polyimide Films with Synchrotron Grazing Incidence Wide-Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 1930-1941.	4.8	139
13	Flexible Organic Electroluminescent Devices Based on Fluorine-Containing Colorless Polyimide Substrates. <i>Advanced Materials</i> , 2002, 14, 1275-1279.	21.0	137
14	High Refractive Index Polyimides Derived from 2,7-Bis(4-aminophenylenesulfanyl)thianthrene and Aromatic Dianhydrides. <i>Macromolecules</i> , 2007, 40, 4614-4620.	4.8	137
15	Highly Transparent and Refractive Polyimides with Controlled Molecular Structure by Chlorine Side Groups. <i>Macromolecules</i> , 2009, 42, 5112-5120.	4.8	124
16	Synthesis and properties of highly refractive polyimides derived from fluorene-bridged sulfur-containing dianhydrides and diamines. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1510-1520.	2.3	122
17	Intermolecular hydrogen-bonding effect on carbon-13 NMR chemical shifts of glycine residue carbonyl carbons of peptides in the solid state. <i>Journal of the American Chemical Society</i> , 1988, 110, 3380-3386.	13.7	120
18	Effect of temperature and shear direction on yield stress by slip in HCP metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 831-836.	2.2	114

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19	Thermal degradation behaviors of polybenzoxazine and silicon-containing polyimide blends. <i>Polymer Degradation and Stability</i> , 2007, 92, 1265-1278.	5.8	113
20	Polarization mode converter with polyimide half waveplate in silica-based planar lightwave circuits. <i>IEEE Photonics Technology Letters</i> , 1994, 6, 626-628.	2.5	112
21	Perfluorinated polyimide synthesis. <i>Macromolecules</i> , 1992, 25, 5858-5860.	4.8	108
22	Dislocation Structure in Rapidly Solidified Mg ₉₇ Zn ₁ Y ₂ Alloy with Long Period Stacking Order Phase. <i>Materials Transactions</i> , 2005, 46, 361-364.	1.2	106
23	Synthesis and characterization of highly refractive polyimides from 4,4'-thiobis[<i>p</i> -phenylenesulfanyl]aniline] and various aromatic tetracarboxylic dianhydrides. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5606-5617.	2.3	106
24	Highly Refractive and Transparent Polyimides Derived from 4,4'-[<i>m</i> -Sulfonylbis(phenylenesulfanyl)]diphthalic Anhydride and Various Sulfur-Containing Aromatic Diamines. <i>Macromolecules</i> , 2007, 40, 7902-7909.	4.8	103
25	Synthesis of High Refractive Index Polyimides Derived from 1,6-Bis[<i>p</i> -aminophenylsulfanyl]-3,4,8,9-tetrahydro-2,5,7,10-tetrathiaanthracene and Aromatic Dianhydrides. <i>Macromolecules</i> , 2008, 41, 6361-6366.	4.8	103
26	Heat-resistant singlemode optical waveguides using fluorinated polyimides. <i>Electronics Letters</i> , 1993, 29, 2107.	1.0	99
27	Optical Properties of Fluorinated Polyimides and Their Applications to Optical Components and Waveguide Circuits. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2004, 17, 219-232.	0.3	97
28	Poly(thioether sulfone) with High Refractive Index and High Abbe's Number. <i>Macromolecules</i> , 2008, 41, 6165-6168.	4.8	97
29	Molecular Design, Synthesis, and Properties of Highly Fluorescent Polyimides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15212-15224.	2.6	93
30	Thin, flexible waveplate of fluorinated polyimide. <i>Electronics Letters</i> , 1993, 29, 2143.	1.0	90
31	Polyimides with Heavy Halogens Exhibiting Room-Temperature Phosphorescence with Very Large Stokes Shifts. <i>ACS Macro Letters</i> , 2016, 5, 1301-1305.	4.8	87
32	Non-Basal Slip in Magnesium-Lithium Alloy Single Crystals. <i>Materials Transactions, JIM</i> , 2000, 41, 1188-1191.	0.9	86
33	Synthesis, physical properties, and field-effect transistors of novel thiophene/thiazolothiazole co-oligomers. <i>Journal of Materials Chemistry</i> , 2004, 14, 1787.	6.7	86
34	Novel Bipolar Bathophenanthroline Containing Hosts for Highly Efficient Phosphorescent OLEDs. <i>Organic Letters</i> , 2008, 10, 421-424.	4.6	86
35	Sulfur-Containing Poly(meth)acrylates with High Refractive Indices and High Abbe's Numbers. <i>Chemistry of Materials</i> , 2008, 20, 4017-4023.	6.7	86
36	Synthesis, Characterization, and Optical Properties of Metal-Containing Fluorinated Polyimide Films. <i>Chemistry of Materials</i> , 1998, 10, 3368-3378.	6.7	82

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37	Significant improvement of electron mobility in organic thin-film transistors based on thiazolothiazole derivative by employing self-assembled monolayer. Applied Physics Letters, 2007, 90, 053506.	3.3	81
38	Nitrogen-15 chemical shift tensors and conformation of solid polypeptides containing 15N-labeled L-alanine residue by 15N NMR. 2. Secondary structure is reflected in .sigma.22. Journal of the American Chemical Society, 1990, 112, 4693-4697.	13.7	77
39	Synthesis and Characterization of High Refractive Index and High Abbe's Number Poly(thioether) Tj ETQq1 1 0.784314 rgBT /Over	4.8	77
40	Coefficients of molecular packing and intrinsic birefringence of aromatic polyimides estimated using refractive indices and molecular polarizabilities. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2354-2366.	2.1	75
41	Synthesis and Characterization of Highly Refractive Polyimides Derived from Thiophene-Containing Aromatic Diamines and Aromatic Dianhydrides. Macromolecules, 2010, 43, 1836-1843.	4.8	75
42	Nitrogen-15 NMR chemical shift tensors and conformation of some nitrogen-15-labeled polypeptides in the solid state. Macromolecules, 1989, 22, 2860-2863.	4.8	74
43	Enhanced thermal conductivity over percolation threshold in polyimide blend films containing ZnO nano-pyramidal particles: advantage of vertical double percolation structure. Journal of Materials Chemistry, 2011, 21, 4402.	6.7	74
44	Density Functional Theory Calculations of Photoabsorption Spectra of Organic Molecules in the Vacuum Ultraviolet Region. Japanese Journal of Applied Physics, 2002, 41, L105-L108.	1.5	73
45	Structural Studies of Peptides and Polypeptides in the Solid State by Nitrogen-15 NMR. Annual Reports on NMR Spectroscopy, 1993, 26, 55-98.	1.5	72
46	Synthesis of high refractive index polyimide containing selenophene unit. Journal of Polymer Science Part A, 2009, 47, 4428-4434.	2.3	71
47	Special issue "Magnesium and magnesium alloys". {1122}{1123} slip in magnesium single crystal.. Keikinzoku/Journal of Japan Institute of Light Metals, 1992, 42, 765-771.	0.4	70
48	Transparent Aromatic Polyimides Derived from Thiophenyl-Substituted Benzidines with High Refractive Index and Small Birefringence. Macromolecules, 2015, 48, 3462-3474.	4.8	70
49	New colorless substrates based on polynorbornene-chlorinated polyimide copolymers and their application for flexible displays. Journal of Polymer Science Part A, 2010, 48, 1806-1814.	2.3	69
50	Synthesis and Characterization of High Refractive Index Polyimides Derived from 4,4'-bis-(p-Phenylenedisulfanyl)dianiline and Various Aromatic Tetracarboxylic Dianhydrides. Polymer Journal, 2007, 39, 543-550.	2.7	68
51	Elimination of polarization sensitivity in silica-based wavelength division multiplexer using a polyimide half waveplate. Journal of Lightwave Technology, 1997, 15, 1947-1957.	4.6	66
52	Highly Refractive Polyimides Derived from 2,8-bis(aminophenylenesulfanyl)dibenzothiophene and Aromatic Dianhydrides. Macromolecular Chemistry and Physics, 2008, 209, 195-203.	2.2	66
53	Highly Refractive Poly(phenylene thioether) Containing Triazine Unit. Macromolecules, 2010, 43, 4613-4615.	4.8	66
54	Excited-State Intramolecular Proton Transfer in Imide Compounds and its Application to Control the Emission Colors of Highly Fluorescent Polyimides. Macromolecules, 2010, 43, 3594-3605.	4.8	61

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55	Synthesis of a Novel Poly(binaphthylene ether) with a Low Dielectric Constant. <i>Macromolecules</i> , 2004, 37, 4794-4797.	4.8	60
56	Correlating the Molecular Structure of Polyimides with the Dielectric Constant and Dissipation Factor at a High Frequency of 10 GHz. <i>ACS Applied Polymer Materials</i> , 2021, 3, 362-371.	4.4	60
57	Relationship between Molecular Aggregation Structures and Optical Properties of Polyimide Films Analyzed by Synchrotron Wide-Angle X-ray Diffraction, Infrared Absorption, and UV/Visible Absorption Spectroscopy at Very High Pressure. <i>Macromolecules</i> , 2011, 44, 349-359.	4.8	59
58	Low loss, heat-resistant optical waveguides using new fluorinated polyimides. <i>Electronics Letters</i> , 1993, 29, 269.	1.0	58
59	Remarkable Effects of Terminal Groups and Solvents on Helical Folding of <i>o</i> -Phenylene Oligomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 11084-11087.	13.7	58
60	Synthesis of Wholly Alicyclic Polyimides from N-Silylated Alicyclic Diamines and Alicyclic Dianhydrides. <i>Macromolecules</i> , 2002, 35, 2277-2281.	4.8	57
61	Synthesis of thermosetting poly(phenylene ether) containing allyl groups. <i>Polymer</i> , 2004, 45, 843-847.	3.8	57
62	Polyimide and Imide Compound Exhibiting Bright Red Fluorescence with Very Large Stokes Shifts via Excited-State Intramolecular Proton Transfer. <i>Macromolecules</i> , 2015, 48, 1777-1785.	4.8	56
63	Polyimide and Imide Compound Exhibiting Bright Red Fluorescence with Very Large Stokes Shifts via Excited-State Intramolecular Proton Transfer II. Ultrafast Proton Transfer Dynamics in the Excited State. <i>Macromolecules</i> , 2016, 49, 1848-1857.	4.8	56
64	Synthesis of semiaromatic polyimides from aromatic diamines containing adamantyl units and alicyclic dianhydrides. <i>Journal of Polymer Science Part A</i> , 2004, 42, 144-150.	2.3	55
65	Conformational characterization of glycine residues incorporated into some homopolypeptides by solid-state carbon-13 NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 1985, 107, 7648-7652.	13.7	54
66	Hydrogen-bonded structure and ¹³ C NMR chemical shift tensor of amino acid residue carbonyl carbons of peptides and polypeptides in the crystalline state. Part I. <i>Journal of Molecular Structure</i> , 1996, 384, 17-23.	3.6	54
67	Synthesis of highly refractive polyimides derived from 3,6-bis(4-aminophenylsulfanyl)pyridazine and 4,6-bis(4-aminophenylsulfanyl)pyrimidine. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4886-4894.	2.3	53
68	Synthesis and characterization of highly refractive polyimides derived from 2,7-bis(4-aminophenylsulfanyl)thianthrene-5,5,10,10-tetraoxide and aromatic dianhydrides. <i>Polymer</i> , 2009, 50, 789-795.	3.8	52
69	Density functional theory calculations of the local spin densities of 3-substituted thiophenes and the oligomerization mechanism of 3-methylsulfanyl thiophene. <i>Synthetic Metals</i> , 2002, 129, 207-213.	3.9	50
70	Investigating the Crystalline Structure of Poly(vinylidene fluoride) (PVDF) in PVDF/Silica Binary and PVDF/Poly(methyl methacrylate)/Silica Ternary Hybrid Composites Using FTIR and Solid-State ¹⁹ F MAS NMR Spectroscopy. <i>Macromolecules</i> , 2004, 37, 429-436.	4.8	50
71	Synthesis, characterization and FET properties of novel dithiazolylbenzothiadiazole derivatives. <i>Chemical Communications</i> , 2005, , 3183.	4.1	50
72	Variations in Aggregation Structures and Fluorescence Properties of a Semialiphatic Fluorinated Polyimide Induced by Very High Pressure. <i>Macromolecules</i> , 2012, 45, 4764-4771.	4.8	50

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73	Wavelength Dependence of Refractive Indices of Polyimides in Visible and Near-IR Regions. Japanese Journal of Applied Physics, 2002, 41, 5254-5258.	1.5	49
74	Non-Basal Slips in Magnesium and Magnesium-Lithium Alloy Single Crystals. Materials Science Forum, 2000, 350-351, 43-48.	0.3	48
75	Refractive Indices and Thermo-Optic Coefficients of Aromatic Polyimides Containing Sulfur Atoms. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2005, 18, 337-340.	0.3	48
76	Precise Analysis of Thermal Volume Expansion of Crystal Lattice for Fully Aromatic Crystalline Polyimides by X-ray Diffraction Method: Relationship between Molecular Structure and Linear/Volumetric Thermal Expansion. Macromolecules, 2017, 50, 2112-2123.	4.8	48
77	Colorless Partially Alicyclic Polyimides Based on Tröger's Base Exhibiting Good Solubility and Dual Fluorescence/Phosphorescence Emission. Macromolecules, 2019, 52, 3813-3824.	4.8	48
78	Deformation Behavior of Magnesium Single Crystals in C-Axis Compression. Key Engineering Materials, 2007, 345-346, 129-132.	0.4	47
79	Synthesis and characterization of polyimides with low dielectric constants from aromatic dianhydrides and aromatic diamine containing phenylene ether unit. Polymer, 2005, 46, 5903-5908.	3.8	46
80	Synthesis and characterization of organosoluble ditrifluoromethylated aromatic polyimides. Journal of Polymer Science Part A, 2005, 43, 3018-3029.	2.3	46
81	Synthesis and Characterization of Novel Low-k Polyimides from Aromatic Dianhydrides and Aromatic Diamine Containing Phenylene Ether and Perfluorobiphenyl Units. Polymer Journal, 2006, 38, 79-84.	2.7	46
82	Nonstoichiometric Stille Coupling Polycondensation for Synthesizing Naphthalene-Diimide-Based π -Conjugated Polymers. ACS Macro Letters, 2015, 4, 1004-1007.	4.8	46
83	In situ preparation of nano ZnO/hyperbranched polyimide hybrid film and their optical properties. Polymer, 2010, 51, 3173-3180.	3.8	45
84	Molecular Structure Dependence of Out-of-Plane Thermal Diffusivities in Polyimide Films: A Key Parameter for Estimating Thermal Conductivity of Polymers. Macromolecules, 2010, 43, 7583-7593.	4.8	45
85	Pyramidal Slip in Magnesium Alloy Single Crystals. Materials Science Forum, 2003, 419-422, 87-92.	0.3	43
86	Characterization on mixed-crystal structure of poly(butylene terephthalate/succinate/adipate) biodegradable copolymer fibers. Polymer, 2005, 46, 751-760.	3.8	43
87	Synthesis of Highly Refractive Poly(phenylene thioether) Derived from 2,4-Dichloro-6-alkylthio-1,3,5-triazines and Aromatic Dithiols. Macromolecules, 2011, 44, 9180-9186.	4.8	43
88	Poly(phenylene thioether)s with Fluorene-Based Cardo Structure toward High Transparency, High Refractive Index, and Low Birefringence. Macromolecules, 2016, 49, 5849-5856.	4.8	43
89	Hydrogen-bonding effect on ^{15}N NMR chemical shifts of the glycine residue of oligopeptides in the solid state as studied by high-resolution solid-state NMR spectroscopy. Journal of Molecular Structure, 1990, 240, 19-29.	3.6	42
90	Thermal analysis and solid-state ^{13}C NMR study of crosslink in polyimides containing acetylene groups in the main chain. Polymer, 2001, 42, 4045-4054.	3.8	42

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91	Molecular structure and thickness dependence of chain orientation in aromatic polyimide films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 2109-2120.	2.1	41
92	New Negative-type Photosensitive Alkaline-developable Semi-aromatic Polyimides with Low Dielectric Constants Based on Poly(amic acid) from Aromatic Diamine Containing Adamantyl Units and Alicyclic Dianhydrides, A Cross-linker, and A Photoacid Generator. <i>Polymer Journal</i> , 2005, 37, 270-276.	2.7	40
93	DFT Calculations on Refractive Index Dispersion of Fluoro-compounds in the DUV-UV-Visible Region. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2006, 19, 351-360.	0.3	40
94	A colorless semi-aromatic polyimide derived from a sterically hindered bromine-substituted dianhydride exhibiting dual fluorescence and phosphorescence emission. <i>Materials Chemistry Frontiers</i> , 2019, 3, 39-49.	5.9	38
95	Hydrogen bond length and ¹⁵ N NMR chemical shift of the glycine residue of some oligopeptides in the solid state. <i>Journal of Molecular Structure</i> , 1991, 245, 69-80.	3.6	37
96	Nonstoichiometric polycondensation I. synthesis of polythioether from dibromomethane and 4,4'-thiobisbenzenethiol. <i>Macromolecular Symposia</i> , 2003, 199, 23-36.	0.7	37
97	Effects of chain packing and structural isomerism on the anisotropic linear and volumetric thermal expansion behaviors of polyimide films. <i>Polymer</i> , 2018, 146, 386-395.	3.8	37
98	Molecular orientation of rigid-rod polyimide films characterized by polarized attenuated total reflection/fourier transform infrared spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 418-428.	2.1	36
99	Anisotropy in thermo-optic coefficients of polyimide films formed on Si substrates. <i>Applied Physics Letters</i> , 2003, 83, 4755-4757.	3.3	36
100	pH changes of self-etching primers mixed with powdered dentine. <i>Journal of Dentistry</i> , 2008, 36, 606-610.	4.1	36
101	Synthesis and characterization of thianthrene-based poly(phenylene sulfide)s with high refractive index over 1.8. <i>Journal of Materials Chemistry</i> , 2011, 21, 15727.	6.7	36
102	Analysis of Thermal Radiation Properties of Polyimide and Polymeric Materials Based on ATR-IR spectroscopy. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016, 29, 251-254.	0.3	36
103	Molecular dynamics simulation of ϵ - α dislocation core structure in hexagonal-close-packed metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 823-829.	2.2	35
104	Fabrication of Polyimide-Blend Thin Films Containing Uniformly Oriented Silver Nanorods and Their Use as Flexible, Linear Polarizers. <i>Advanced Materials</i> , 2005, 17, 2221-2224.	21.0	35
105	Synthesis of highly refractive and transparent polyimides derived from 4,4'-thiobis[2,6-dimethyl- <i>p</i> -phenylenesulfanyl]aniline]. <i>Journal of Polymer Science Part A</i> , 2010, 48, 656-662.	2.1	35
106	Synthesis of sulfur-containing poly(thioester)s with high refractive indices and high Abbe numbers. <i>Polymer Chemistry</i> , 2010, 1, 480-484.	3.9	35
107	Anisotropic Linear and Volumetric Thermal Expansion Behaviors of Self-standing Polyimide Films Analyzed by Thermomechanical Analysis (TMA) and Optical Interferometry. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700354.	2.2	35
108	Analysis of Cross-Polarization Dynamics between Two Abundant Nuclei, ¹⁹ F and ¹ H, Based on Spin Thermodynamics Theory. <i>Journal of Magnetic Resonance</i> , 1999, 141, 91-103.	2.1	34

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109	Deformation Behavior of Magnesium Single Crystal in $\langle 100 \rangle$ -Axis Compression and $\langle 100 \rangle$ -Axis Tension. <i>Materials Science Forum</i> , 0, 654-656, 699-702.	0.3	34
110	Low dielectric and thermally stable hybrid ternary composites of hyperbranched and linear polyimides with SiO ₂ . <i>RSC Advances</i> , 2014, 4, 27267.	3.6	34
111	A New Positive-Type Photosensitive Alkaline-Developable Alicyclic Polyimide Based on Poly(amic acid) Tj ETQq1 1 0.784314 rgBT /Ove Chemistry of Materials, 2002, 14, 1762-1766.	6.7	33
112	Synergistic Effect of Sulfur and Chalcogen Atoms on the Enhanced Refractive Indices of Polyimides in the Visible and Near-Infrared Regions. <i>Macromolecules</i> , 2019, 52, 827-834.	4.8	33
113	Characterization and Field-Effect Transistor Performance of Heterocyclic Oligomers Containing a Thiazolothiazole Unit. <i>Chemistry Letters</i> , 2004, 33, 1170-1171.	1.3	32
114	Thermally and Mechanically Stable Polyimides as Flexible Substrates for Organic Field-Effect Transistors. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3422-3432.	4.4	32
115	¹⁵ N-, ¹ H-, and ¹³ C-NMR chemical shifts and electronic properties of aromatic diamines and dianhydrides. <i>Journal of Polymer Science Part A</i> , 1992, 30, 2285-2293.	2.3	31
116	Synthesis, physical properties and field-effect transistors of novel thiazolothiazole-phenylene co-oligomers. <i>Journal of Materials Chemistry</i> , 2007, 17, 553-558.	6.7	31
117	Highly refractive polymer resin derived from sulfur-containing aromatic acrylate. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2604-2609.	2.3	31
118	Crystalline structure and molecular mobility of PVDF chains in PVDF/PMMA blend films analyzed by solid-state ¹⁹ F MAS NMR spectroscopy. <i>Polymer Journal</i> , 2012, 44, 757-763.	2.7	31
119	Synthesis and structure-property relationships of novel thiazole-containing poly(amide imide)s with high refractive indices and low birefringences. <i>Polymer International</i> , 2015, 64, 486-495.	3.1	31
120	White-Light Emission and Tunable Luminescence Colors of Polyimide Copolymers Based on FRET and Room-Temperature Phosphorescence. <i>ACS Omega</i> , 2020, 5, 14831-14841.	3.5	31
121	Enhanced fluorescence of phthalimide compounds induced by the incorporation of electron-donating alicyclic amino groups. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16033-16044.	2.8	30
122	Reconfigurable Shape Memory and Self-Welding Properties of Epoxy Phenolic Novolac/Cashew Nut Shell Liquid Composites Reinforced with Carbon Nanotubes. <i>Polymers</i> , 2018, 10, 482.	4.5	30
123	Heat-resistant flexible-film optical waveguides from fluorinated polyimides. <i>Applied Optics</i> , 1999, 38, 966.	2.1	29
124	Nitro-substituted polyamides: A new class of transparent and highly refractive materials. <i>European Polymer Journal</i> , 2015, 66, 328-341.	5.4	29
125	¹³ C n.m.r. analysis of fluorinated polyimides and poly (amic acid)s. <i>Polymer</i> , 1992, 33, 2934-2939.	3.8	28
126	In-plane birefringence and elongation behavior of uniaxially drawn aromatic polyimide films. <i>Polymers for Advanced Technologies</i> , 2001, 12, 319-331.	3.2	28

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127	Solid-state ^1H / ^{19}F / ^1H CP/MAS NMR study of poly(vinylidene fluoride). <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 97-106.	1.9	28
128	Synthesis of Highly Refractive and Transparent Polyimides Derived from 4,4'-[p-Sulfonylbis(phenylenesulfanyl)]diphthalic Anhydride and Various Sulfur-containing Aromatic Diamines. <i>Polymer Journal</i> , 2008, 40, 414-420.	2.7	28
129	Synthesis of High Refractive Index Poly(thioether sulfone)s with High Abbe's Number Derived from 2,5-Bis(sulfanylmethyl)-1,4-dithiane. <i>Polymer Journal</i> , 2009, 41, 860-865.	2.7	28
130	Thermal and optical properties of hyperbranched fluorinated polyimide/mesoporous SiO_2 nanocomposites exhibiting high transparency and reduced thermo-optical coefficients. <i>Polymer</i> , 2014, 55, 2848-2855.	3.8	28
131	Effective Reduction of Volumetric Thermal Expansion of Aromatic Polyimide Films by Incorporating Interchain Crosslinking. <i>Polymers</i> , 2018, 10, 761.	4.5	28
132	DFT Calculations of Photoabsorption Spectra in the VUV Region for Design of Photoresist Materials for 157 nm Lithography. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2002, 15, 559-568.	0.3	27
133	New Photoresist Materials for 157-nm Lithography. Poly[Vinylsulfonyl Fluoride-co-4-(1,1,1,3,3,3-hexafluoro-2-hydroxypropyl)-styrene] Partially Protected with tert-Butoxycarbonyl. <i>Chemistry of Materials</i> , 2003, 15, 1512-1517.	6.7	27
134	Enhanced Thermal Diffusivity by Vertical Double Percolation Structures in Polyimide Blend Films Containing Silver Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2118-2124.	2.2	27
135	Deformation behavior of Mg single crystals during a single ECAP pass at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 590, 274-280.	5.6	27
136	Highly transparent triethoxysilane-terminated copolyimide and its SiO_2 composite with enhanced thermal stability and reduced thermal expansion. <i>European Polymer Journal</i> , 2015, 64, 206-214.	5.4	27
137	Solid-State ^{19}F MAS, ^{19}F CRAMPS, and ^{19}F / ^{13}C CP/MAS NMR Study of an Amorphous Perfluoropolymer. <i>Macromolecules</i> , 2001, 34, 66-75.	4.8	26
138	Characterization of Electronic Transitions in Polyimide Films Based on Spectral Variations Induced by Hydrostatic Pressures up to 400 MPa. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8835-8846.	2.6	26
139	Development of Novel Triazine-Based Poly(phenylene sulfide)s with High Refractive Index and Low Birefringence. <i>ACS Omega</i> , 2020, 5, 5134-5141.	3.5	26
140	Fluorine-19 NMR investigation of poly(trifluoroethylene). <i>Polymer</i> , 2000, 41, 3729-3736.	3.8	25
141	Synthesis of Fluorine-Containing Wholly Alicyclic Polyimides by In Situ Silylation Method. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2003, 16, 263-266.	0.3	25
142	Molecular Aggregation Structures of Polyimide Films at Very High Pressure Analyzed by Synchrotron Wide-Angle X-ray Diffraction. <i>Macromolecules</i> , 2010, 43, 2115-2117.	4.8	25
143	Substituent shielding parameters of fluorine-19 NMR on polyfluoroaromatic compounds dissolved in dimethyl sulphoxide- d_6 . <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 639-645.	1.9	24
144	Formation of regioregular head-to-tail poly[3-(4-butylphenyl)thiophene] by an oxidative coupling polymerization with vanadium acetylacetonate. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2287-2295.	2.3	24

#	ARTICLE	IF	CITATIONS
145	Solid-state ^1H -static, ^1H -MAS, and ^1H - $^{19}\text{F}/^{19}\text{F}$ - ^1H CP/MAS NMR study of poly(vinyl fluoride). <i>Polymer</i> , 2001, 42, 8137-8151.	3.8	24
146	Synthesis of amorphous copoly(thioether sulfone)s with high refractive indices and high Abbe numbers. <i>European Polymer Journal</i> , 2010, 46, 34-41.	5.4	24
147	Fluorescence emissions of imide compounds and end-capped polyimides enhanced by intramolecular double hydrogen bonds. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30659-30669.	2.8	24
148	Thin flexible polariser of Ag-nanoparticle-dispersed fluorinated polyimide. <i>Electronics Letters</i> , 2001, 37, 706.	1.0	23
149	DFT Calculations of Photoabsorption Spectra for Alicyclic and Heterocyclic Compounds in the VUV Region. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2003, 16, 537-544.	0.3	23
150	Synthesis of Hyperbranched Polymer with Degree of Branching of Approximately 100% by Polycondensation of 2-(4-Phenoxyphenoxy)fluorenone. <i>Polymer Journal</i> , 2007, 39, 1150-1156.	2.7	23
151	Pressure-Induced Changes in Crystalline Structures of Polyimides Analyzed by Wide-Angle X-ray Diffraction at High Pressures. <i>Macromolecules</i> , 2014, 47, 3951-3958.	4.8	23
152	An MO study of nuclear quadrupolar coupling constant and nuclear shielding of the carbonyl oxygen in solid peptides with hydrogen bonds. <i>Chemical Physics</i> , 1995, 195, 107-116.	1.9	22
153	A rod-like fluorinated polyimide as an in-plane birefringent optical material 2: Control of optical retardation using spontaneous molecular orientation. <i>Polymers for Advanced Technologies</i> , 1999, 10, 169-178.	3.2	22
154	Evaluation of free volume and anisotropic chain orientation of TrÄrger's base (TB)-based microporous polyimide/copolyimide membranes. <i>Polymer</i> , 2017, 123, 39-48.	3.8	22
155	Preparation and Characterization of Organic Electroluminescent Devices Using Fluorescent Polyimides as a Light-Emitting Layer. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2004, 17, 241-246.	0.3	21
156	Selective NMR Pulse Sequences for the Study of Solid Hydrogen-Containing Fluoropolymers. <i>Macromolecular Rapid Communications</i> , 2005, 26, 345-356.	3.9	21
157	Fatigue Crack Propagation Behavior in Commercial Purity Ti Severely Deformed by Accumulative Roll Bonding Process. <i>Materials Transactions</i> , 2008, 49, 64-68.	1.2	21
158	Synthesis of highly refractive poly(phenylene thioether)s containing a binaphthyl or diphenylfluorene unit. <i>Polymer Chemistry</i> , 2012, 3, 2531.	3.9	21
159	Synthesis and characterization of poly(phenylene thioether)s containing pyrimidine units exhibiting high transparency, high refractive indices, and low birefringence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7081-7087.	5.5	21
160	In Situ Analysis of Chain Orientation Behavior in Thin Film Aromatic Polyimides by Variable Temperature pMAIRS during Thermal Imidization. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700370.	2.2	21
161	Optical anisotropy of uniaxially drawn and silver-dispersed polyimide films. <i>Applied Physics Letters</i> , 1999, 74, 938-940.	3.3	20
162	Synthesis of Alicyclic Polyimides from Fluorinated Alicyclic Diamine.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2002, 15, 213-214.	0.3	20

#	ARTICLE	IF	CITATIONS
163	Fatigue Crack Propagation Behavior in Magnesium Single Crystals. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2003, 67, 247-251.	0.4	20
164	Conformation analysis and molecular mobility of ethylene and tetrafluoroethylene copolymer using solid-state ^{19}F MAS and ^1H $\hat{+}$ ^{19}F CP/MAS NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 577-588.	1.9	20
165	Structure and Dynamics of Perfluoroalkane/ β -Cyclodextrin Inclusion Compounds As Studied by Solid-State ^{19}F MAS and ^1H $\hat{+}$ ^{19}F CP/MAS NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25751-25760.	2.6	20
166	Relationship between Fatigue Strength and Grain Size in AZ31 Magnesium Alloys. <i>Materials Transactions</i> , 2008, 49, 1157-1161.	1.2	20
167	Effect of zinc precursor on thermal and light emission properties of ZnO nanoparticles embedded in polyimide films. <i>Materials Chemistry and Physics</i> , 2009, 114, 751-755.	4.0	20
168	Low Thermal Expansion Composites Prepared from Polyimide and ZrO_2 Particles with Negative Thermal Expansion. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2012, 25, 385-388.	0.3	20
169	Molecular Dynamics simulation of C^+ dislocation core structure in hexagonal-close-packed metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 823-829.	2.2	20
170	Structure of GlyGly peptide in the crystalline state as studied by X-ray diffraction and solid state ^{13}C -NMR methods. <i>Biopolymers</i> , 1998, 45, 333-339.	2.4	19
171	Analysis of cross-polarization dynamics between ^1H and ^{19}F in Viton fluoroelastomer using solid-state ^{19}F magic angle spinning and ^1H $\hat{+}$ ^{19}F cross-polarization magic angle spinning NMR. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 709-720.	1.9	19
172	Enhanced thermal conductivity in immiscible polyimide blend composites with needle-shaped ZnO particles. <i>RSC Advances</i> , 2017, 7, 15492-15499.	3.6	19
173	Effects of crosslinking agents on the physical properties of polyimide/amino- ϵ -functionalized graphene oxide hybrid films. <i>Polymer International</i> , 2018, 67, 588-597.	3.1	19
174	Effects of sulfonate incorporation and structural isomerism on physical and gas transport properties of soluble sulfonated polyimides. <i>Polymer</i> , 2020, 191, 122263.	3.8	19
175	^{13}C NMR chemical shift as a probe for estimating the conformation of aromatic groups in the solid state. 1. Biphenyls. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 241-250.	1.9	18
176	Anisotropy in optical transmittance and molecular chain orientation of silver- dispersed uniaxially drawn polyimide films. <i>Polymers for Advanced Technologies</i> , 2003, 14, 458-470.	3.2	18
177	Solid-state ^{19}F MAS and ^1H $\hat{+}$ ^{19}F CP/MAS NMR study of the phase transition behavior of vinylidene fluoride- ϵ -trifluoroethylene copolymers: 1. Uniaxially drawn films of VDF 75% copolymer. <i>Polymer</i> , 2004, 45, 2281-2290.	3.8	18
178	Hybrid ternary composites of hyperbranched and linear polyimides with SiO_2 : a research for low dielectric constant and optimized properties. <i>RSC Advances</i> , 2014, 4, 42737-42746.	3.6	18
179	Anomalous temperature dependence of the yield stress by secondary pyramidal slip in cadmium crystals. <i>Experiments. Acta Metallurgica Et Materialia</i> , 1994, 42, 2845-2851.	1.8	17
180	Fatigue Crack Propagation in Magnesium Crystals. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2001, 65, 187-190.	0.4	17

#	ARTICLE	IF	CITATIONS
181	A New Photoresist Material for 157 nm Lithography-2.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2002, 15, 643-654.	0.3	17
182	The DIVAM sequence: selective excitation of signals from both rigid and mobile domains in a fluoropolymer. Journal of Magnetic Resonance, 2003, 162, 206-216.	2.1	17
183	Optical Properties of Rod-like Fluorinated Polyimides and Model Compounds Derived from Diamines having High Electron-donating Properties. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2006, 19, 297-304.	0.3	17
184	Synthesis of novel poly[(1,3-adamantyl)bis(2-naphthol)] with low dielectric constant. Polymer, 2006, 47, 3043-3048.	3.8	17
185	Synthesis and Properties of 3,8-Bis[4-(9H-carbazol-9-yl)phenyl]-1,10-phenanthroline for Phosphorescent OLEDs. Chemistry Letters, 2008, 37, 262-263.	1.3	17
186	Synthesis and characterization of alkaline-soluble triazine-based poly(phenylene sulfide)s with high refractive index and low birefringence. Journal of Polymer Science Part A, 2018, 56, 724-731.	2.3	17
187	Synthesis of photosensitive and thermosetting poly(phenylene ether) based on poly[2,6-di(3-methyl-2-butenyl)phenol-co-2,6-dimethyl-phenol] and a photoacid generator. Journal of Polymer Science Part A, 2005, 43, 149-156.	2.3	16
188	Synthesis of a highly transparent poly(o-hydroxyamide) in the i-line region and its application to photosensitive polymers. Journal of Polymer Science Part A, 2005, 43, 2527-2535.	2.3	16
189	Ternary composites of linear and hyperbranched polyimides with nanoscale silica for low dielectric constant, high transparency, and high thermal stability. RSC Advances, 2015, 5, 40046-40054.	3.6	16
190	Discrete Self-Assembly and Functionality of Guest Molecules in an Organic Framework. Chemistry of Materials, 2016, 28, 5847-5854.	6.7	16
191	Anomalous temperature dependence of the yield stress by secondary pyramidal slip in cadmium crystals. II. Mechanism. Acta Metallurgica Et Materialia, 1994, 42, 2853-2858.	1.8	14
192	Molecular Dynamics Simulation of (c+a) Edge Dislocation Core Structure in HCP Crystal. Materials Transactions, JIM, 1996, 37, 319-322.	0.9	14
193	Thermal Expansion Behavior of the Ordered Domain in Polyimide Films Investigated by Variable Temperature WAXD Measurements. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 327-332.	0.3	14
194	Polarization dependence of thermo-optic coefficients in polyimide films originating from chain orientation and residual thermal stress. Journal of Applied Physics, 2014, 116, .	2.5	14
195	Conformational characterization of imide compounds and polyimides using far-infrared spectroscopy and DFT calculations. Polymer, 2016, 86, 83-90.	3.8	14
196	Pressure-Induced Variations of Aggregation Structures in Colorless and Transparent Polyimide Films Analyzed by Optical Microscopy, UV-Vis Absorption, and Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 8985-8997.	2.6	14
197	Mg alloy sheets with a nanocrystalline surface layer fabricated by wire-brushing. Surface and Coatings Technology, 2014, 243, 28-33.	4.8	13
198	A conformational study of aromatic imide compounds. part 1. Compounds containing diphenyl ether and benzophenone moieties. Journal of Molecular Structure, 2002, 602-603, 405-416.	3.6	12

#	ARTICLE	IF	CITATIONS
199	Highly dispersible ternary composites with high transparency and ultra low dielectric constants based on hyperbranched polyimide with organosilane termini and cross-linked polyimide with silica. <i>RSC Advances</i> , 2015, 5, 98419-98428.	3.6	12
200	Synthesis and Properties of Fully Aromatic Non-fluorinated Polyimides Exhibiting High Transparency and Low Thermal Expansion. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2005, 18, 333-336.	0.3	11
201	Study of Polybenzoxazole Precursors for Low Temperature Curing. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2006, 19, 281-282.	0.3	11
202	Synthesis and Thermal Properties of Polythioetherimides Derived from 4,4'-[p-Thiobis(phenylenesulfanyl)]Diphthalic Anhydride and Various Aromatic Diamines. <i>High Performance Polymers</i> , 2008, 20, 221-237.	1.8	11
203	Preparation of Soluble Polyimide/MgO Nanohybrid Films by In situ Hybridization Method and Evaluation of Their Thermal Conductivity. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2010, 23, 501-506.	0.3	11
204	Enhancement of Thermal Diffusivity in Phase-Separated Bismaleimide/Poly(ether imide) Composite Films Containing Needle-Shaped ZnO Particles. <i>Polymers</i> , 2017, 9, 263.	4.5	11
205	Anisotropic photoconductivity of aromatic and semi-aliphatic polyimide films: Effects of charge transfer, molecular orientation, and polymer chain packing. <i>Polymer</i> , 2019, 180, 121713.	3.8	11
206	Full-colour solvatochromic fluorescence emitted from a semi-aromatic imide compound based on ESIPT and anion formation. <i>Materials Advances</i> , 2021, 2, 5629-5638.	5.4	11
207	Synthesis of Poly[N-(1-adamantyl)vinylsulfonamide-co- 2-(2-methyl)adamantyl methacrylate] for 193 nm Lithography. <i>Macromolecules</i> , 2005, 38, 3041-3043.	4.8	10
208	Solid-state ¹⁹ F MAS NMR study on the conformation and molecular mobility of poly(chlorotrifluoroethylene). <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 401-409.	1.9	10
209	Microstructure and Evaluation of Wire-brushed Mg Sheets. <i>Procedia Engineering</i> , 2011, 10, 2737-2742.	1.2	10
210	Plastic Deformation Behavior in Magnesium Alloy Single Crystals. <i>Materials Science Forum</i> , 0, 706-709, 1122-1127.	0.3	10
211	Solid-state NMR and wide-angle X-ray diffraction study of hydrofluoroether/ β -cyclodextrin inclusion complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 76, 143-150.	1.6	10
212	Tensile Deformation of Magnesium and Magnesium Alloy Single Crystals. <i>Materials Science Forum</i> , 0, 783-786, 341-345.	0.3	10
213	Temperature dependence of electric conduction in polyimides with main chain triphenylamine structures. <i>Polymer Journal</i> , 2014, 46, 201-206.	2.7	10
214	Development of a novel durable aromatic anion exchange membrane using a thermally convertible precursor. <i>Chemical Communications</i> , 2018, 54, 10820-10823.	4.1	10
215	Analysis of spatial orientation distribution of highly oriented polyimide film using micro ATR-FTIR spectroscopic imaging method. <i>Polymer</i> , 2021, 221, 123616.	3.8	10
216	Development of Fatigue Testing Machine for Thin Sheet Specimen and Fatigue Test for Magnesium Single Crystal. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 703-708.	0.2	10

#	ARTICLE	IF	CITATIONS
217	Conformational characterization of glycine residues incorporated into some homopolypeptides by solid state ¹³ C NMR spectroscopy. II.. Journal of Molecular Structure, 1989, 192, 153-161.	3.6	9
218	A conformational study of oligopeptides containing Gly-Pro sequence in the solid state by ¹³ C CP-MAS NMR. Journal of Molecular Structure, 1989, 212, 123-135.	3.6	9
219	Special Issue on Computational Polymer Science. I. Calculation of Refractive Indices of Polyimides and Their Molecular Packing.. Kobunshi Ronbunshu, 1994, 51, 251-257.	0.2	9
220	Control of Glass Transition, Solubility, and Thermo-Optic Coef-cients of a Siloxane-Containing Polyimide by Silica Hybridization. High Performance Polymers, 2006, 18, 825-836.	1.8	9
221	Synthesis of Sulfonated Poly(1,4-diphenoxybenzene) for Proton Exchange Membrane. Polymer Journal, 2007, 39, 882-887.	2.7	9
222	Structure and dynamics of a vinylidene fluoride oligomer and its cyclodextrin inclusion compounds as studied by solid-state ¹⁹ F MAS and ¹ Hâ†’ ¹⁹ F CP/MAS NMR spectroscopy. Polymer, 2008, 49, 2709-2716.	3.8	9
223	Solution-processible Fluorinated Carbazole Derivative for Phosphorescent Organic Light-emitting Diodes. Chemistry Letters, 2008, 37, 294-295.	1.3	9
224	Effects of chain rigidity/flexibility of polyimides on morphological structures and thermal diffusivity of hBN-filled composites. Composites Science and Technology, 2014, 99, 103-108.	7.8	9
225	Fatigue properties of ARB-processed Ti sheets with crystallographic texture. International Journal of Fatigue, 2016, 92, 18-24.	5.7	9
226	Enhancing photoconductivity of aromatic polyimide films by incorporating fluorinated dianhydrides and main chain triphenylamine structure. Polymer, 2018, 157, 122-130.	3.8	9
227	Synthesis of fluorescent polycarbonates with highly twisted <i>N</i>-bis(dialkylamino)anthracene AIE luminogens in the main chain. RSC Advances, 2019, 9, 21733-21740.	3.6	9
228	Synthesis, Characterization, and Optical Properties of Uniaxially Drawn and Gold Nanoparticle Dispersed Fluorinated Polyimide Films.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2002, 15, 231-236.	0.3	8
229	Effect of the origin of ZnO nanoparticles dispersed in polyimide films on their photoluminescence and thermal stability. Journal of Applied Polymer Science, 2008, 110, 1921-1928.	2.6	8
230	Preparation and Characterization of Polyimide/Fluorinated Silicate Nano-hybrid Thin Films with Low Refractive Indices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2008, 21, 143-150.	0.3	8
231	Effects of UV Crosslinking under High Temperature on the Refractive Indices and Aggregation Structures of Benzophenone-containing Polyimides. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2011, 24, 277-282.	0.3	8
232	Enhanced Thermal Conductivity in Polyimide/Silver Particle Composite Films Based on Spontaneous Formation of Thermal Conductive Paths. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 187-191.	0.3	8
233	Efficient Hybrid Functional and Basis Set Functions for DFT Calculation of Refractive Indices and Abbe Numbers of Organic Compounds. Chemistry Letters, 2018, 47, 1494-1497.	1.3	8
234	Photoconductive polyimides derived from a novel imidazole-containing diamine. High Performance Polymers, 2020, 32, 620-630.	1.8	8

#	ARTICLE	IF	CITATIONS
235	Quantitative analysis of stereoscopic molecular orientations in thermally reactive and heterogeneous noncrystalline thin films via variable-temperature infrared pMAIRS and GI-XRD. <i>Polymer Journal</i> , 2021, 53, 603-617.	2.7	8
236	Conformation of cyclic polysilane in the solid state as studied by variable-temperature ²⁹ Si CP/ MAS NMR. <i>Journal of Molecular Structure</i> , 1990, 220, 245-250.	3.6	7
237	Highly Transparent Photosensitive Polybenzoxazole: Poly(o-hydroxy amide) Derived from 4,4'-bis-(Hexafluoroisopropylidene)bis(o-aminophenol) and o-Substituted Dicarboxylic Acid Chlorides. <i>Polymer Journal</i> , 2007, 39, 81-89.	2.7	7
238	Optical and Thermal Properties of Organo-silica/Polyimide Nano-hybrids Derived from Polysiloxazane Copolymers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2009, 22, 447-454.	0.3	7
239	Synthesis and Characterization of Solution-Processable Core-Cyanated Perylene-3,4,9,10-bis(dicarboximide) Derivatives. <i>Organic Letters</i> , 2010, 12, 4852-4855.	4.6	7
240	Effects of dispersion and arrangement of clay on thermal diffusivity of polyimide/clay nanocomposite film. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3010-3018.	2.6	7
241	Effects of Orientational Relaxation of Polymer Chains Induced by Isotropic Particles on the Enhanced Thermal Conductivity of AlN-filled Polyimide Films. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2014, 27, 193-198.	0.3	7
242	Prevention of void formation in particulate-filled polymer composites: Effects of thermoplastic matrices and residual solvent. <i>Composites Science and Technology</i> , 2016, 123, 268-275.	7.8	7
243	Effect of a Sulfonated Benzothiadiazole Unit on the Morphology and Ion Conduction Behavior of a Polymer Electrolyte Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16095-16102.	3.7	7
244	Spontaneous Chain Orientation of Aromatic Polyimides Evolved during Thermal Imidization from Shear-Oriented Glassy Liquid Crystalline Precursors. <i>Macromolecules</i> , 2019, 52, 5054-5066.	4.8	7
245	Effect of temperature and shear direction on yield stress by $\{11\bar{2}\}$ slip in HCP metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 831-836.	2.2	7
246	Crack Propagation Behavior under Cyclic Loading in a α -Titanium Single Crystals. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1997, 61, 41-48.	0.4	7
247	Orientation Dependence of Bending Deformation Behavior in Magnesium Single Crystals. <i>Materials Transactions</i> , 2016, 57, 1246-1251.	1.2	7
248	Synthesis of Perfluorinated Polyimides for Optical Applications. <i>ACS Symposium Series</i> , 1993, , 304-322.	0.5	6
249	Rodlike Fluorinated Polyimide as an In-Plane Birefringent Optical Material. <i>ACS Symposium Series</i> , 1995, , 283-297.	0.5	6
250	Ultrathin (5 Å) Flexible Reflective Waveplate of Fluorinated Polyimide and Elimination of Polarization Sensitivity in Titanium-Diffused Lithium Niobate Waveguide Circuits. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 6408-6413.	1.5	6
251	A conformational study of aromatic imide compounds. Part 2. Compounds containing diphenyl sulfide, diphenyl sulfone, and diphenylmethane moieties. <i>Journal of Molecular Structure</i> , 2002, 602-603, 417-428.	3.6	6
252	Control of thermo-optic coefficients and their polarization dependence in polyimide films formed on Si substrates. , 2005, 5724, 336.		6

#	ARTICLE	IF	CITATIONS
253	Effects of Structural Isomerism and Precursor Structures on Thermo-optic Coefficients of BPDA/PDA Polyimide Films. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2007, 20, 167-174.	0.3	6
254	Quantitative analysis of near surfaces three-dimensional orientation of polymer chains in PET and PEN films using polarized ATR FTIR spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 870-879.	2.1	6
255	Effect of ARB Processing on Fatigue Crack Closure in Commercially Pure Titanium. <i>Materials Transactions</i> , 2013, 54, 528-531.	1.2	6
256	An electron-accepting molecular unit exhibiting an orientational preference favorable for organic photovoltaic applications. <i>Thin Solid Films</i> , 2015, 583, 34-39.	1.8	6
257	Ultrafast Spectroscopic Analysis of Pressure-Induced Variations of Excited-State Energy and Intramolecular Proton Transfer in Semi-Aliphatic Polyimide Films. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2425-2434.	2.6	6
258	Colorless Copolyimide Films Exhibiting Large Stokes-Shifted Photoluminescence Applicable for Spectral Conversion. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3911-3921.	4.4	6
259	Crystallographic Dependence of Fatigue Crack Growth in Titanium Single Crystals. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 1998, 62, 708-717.	0.4	6
260	Fatigue Crack Propagation in Titanium Single Crystals. <i>Key Engineering Materials</i> , 1997, 145-149, 721-726.	0.4	5
261	Fatigue Crack Propagation in Magnesium Single Crystals. <i>Materials Science Forum</i> , 2003, 419-422, 1031-1036.	0.3	5
262	A New Photoresist Materials for 157nm Lithography-3: Poly [2-hydroxy-3-pinanyl vinyl sulfonate-co-4-(1,1,1,3,3,3-hexafluoro-2-hydroxypropyl)styrene]. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2003, 16, 601-605.	0.3	5
263	Generation Behaviors of Optical Anisotropy Caused by Silver Nanoparticles Precipitated in Uniaxially Drawn Polyimide Films. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 187-192.	1.5	5
264	Crack Orientation Dependence of Fatigue Behavior in Titanium Single Crystals by Thin Sheet Plain Bending. <i>Key Engineering Materials</i> , 2006, 326-328, 967-970.	0.4	5
265	Fatigue Fracture Behavior of Mg-Zn-Y Alloy. <i>Key Engineering Materials</i> , 2006, 326-328, 975-978.	0.4	5
266	Fatigue Properties of Mg-Zn-Y Alloys with Long Period Orderd Structure. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2007, 71, 699-703.	0.4	5
267	Preparation and Characterization of Polyimide/ZnO Nano-hybrid Films Exhibiting High Refractive Indices. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2010, 23, 521-528.	0.3	5
268	Solid-state ^{19}F MAS and ^1H CP/MAS NMR study of the phase-transition behavior of vinylidene fluoride-trifluoroethylene copolymers: 2. semi-crystalline films of VDF 75% copolymer. <i>Polymer Journal</i> , 2012, 44, 786-794.	2.7	5
269	Promotion of Thermal Imidization of Semi-Aliphatic Polyimide Precursors by Incorporation of Polyethylene Glycol and Their Modified Solid Structures. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2017, 30, 139-146.	0.3	5
270	Photoluminescence Properties of Novel Fluorescent Polyimide Based on Excited State Intramolecular Proton Transfer at The End Groups. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2019, 32, 449-455.	0.3	5

#	ARTICLE	IF	CITATIONS
271	Dynamically Recrystallized Structure and Mechanical Properties of Mg ₉₆ Zn ₂ Y ₂ Alloys Deformed by ECAP. <i>Materials Transactions</i> , 2021, 62, 1304-1310.	1.2	5
272	¹⁵ N and ¹³ C NMR chemical shift calculations for the sequence analysis of Bombyx mori silk fibroin protein with FPT INDO method. <i>Computational and Theoretical Chemistry</i> , 1988, 168, 135-139.	1.5	4
273	In-Plane Birefringence of Polyimide Films Prepared on Substrates Having Thermal Expansion Anisotropy. <i>Japanese Journal of Applied Physics</i> , 1995, 34, L1470-L1471.	1.5	4
274	Crack Orientation Dependence for Fatigue Behavior of Titanium Single Crystals. <i>Key Engineering Materials</i> , 2007, 345-346, 351-354.	0.4	4
275	Organic/inorganic-polyimide nanohybrid materials for advanced opto-electronic applications. <i>Proceedings of SPIE</i> , 2009, , .	0.8	4
276	Synthesis, characterization, and photoinduced electron transfer properties of core-functionalized perylene-3,4:9,10-bis(dicarboximide)s with pendant anthracenes. <i>Journal of Materials Chemistry</i> , 2011, 21, 19049.	6.7	4
277	Development of novel polymer electrolyte membranes based on a benzothiadiazole unit. <i>RSC Advances</i> , 2016, 6, 99433-99436.	3.6	4
278	Synthesis of poly(o-cresol) by oxidative coupling polymerization of o-cresol. <i>Journal of Polymer Science Part A</i> , 2019, 57, 878-884.	2.3	4
279	Compression and Thermal Expansion Behaviors of Highly Crystalline Polyimide Particles Prepared from Poly(amic acid) and Monomer Salts. <i>Macromolecules</i> , 2021, 54, 8714-8725.	4.8	4
280	Large-Stokes-shifted yellow photoluminescence emission from an imide and polyimides forming multiple intramolecular hydrogen bonds. <i>Materials Chemistry Frontiers</i> , 2021, 6, 24-32.	5.9	4
281	Synthesis and Characterization of White-Light Luminescent End-Capped Polyimides Based on FRET and Excited State Intramolecular Proton Transfer. <i>Polymers</i> , 2021, 13, 4050.	4.5	4
282	Properties of Fluorinated Polyimides.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 1992, 5, 359-366.	0.3	3
283	Uniaxially Drawn Fluorinated Polyimide Films: Control of Molecular Orientation and Anisotropic Optical Properties for Lightwave Circuit Applications. <i>Kobunshi Ronbunshu</i> , 2004, 61, 29-38.	0.2	3
284	Synthesis of Photosensitive and Thermosetting Poly(phenylene ether) Containing Butenyl Groups. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2004, 17, 281-282.	0.3	3
285	Crack Propagation Behavior in Nano Size HCP Crystals by Molecular Dynamic Simulation. <i>Key Engineering Materials</i> , 2005, 297-300, 280-285.	0.4	3
286	Synthesis of Highly Refractive Polyimides Derived from 2,5-Bis(4-aminophenylsulfanyl)-1,4-dithiane and Dianhydrides. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2008, 21, 131-136.	0.3	3
287	Alkaline-developable and Positive-type Photosensitive Polyimide based on Fluorinated Poly(amic acid) from Diamine with High Hydrophobicity and Fluorinated Diazonaphthoquinone. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2014, 27, 211-217.	0.3	3
288	Orientation Analysis of Polymer Chains in Optically Transparent Biopolyimides Having Rigid and Bending Backbones. <i>ChemistrySelect</i> , 2021, 6, 6525-6532.	1.5	3

#	ARTICLE	IF	CITATIONS
289	Mechanism of Anomalous Temperature Dependence of Yield Stress by {111r22}⟨ar1ar123⟨ Secondary Pyramidal Slip in Cadmium Single Crystals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1990, 54, 427-434.	0.4	3
290	Photoluminescence Properties of Copolyimides Containing Naphthalene Core and Analysis of Excitation Energy Transfer between the Dianhydride Moieties. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 423-430.	0.3	3
291	Computational analysis of side-chain conformations in polyaspartates exhibiting reversible helical sense inversion in the solid state. Journal of Molecular Structure, 2002, 610, 197-205.	3.6	2
292	Molecular Dynamics Simulation of Core Structure of (c+a) Edge Dislocations in Slip Deformation of hcp Metals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2005, 69, 855-858.	0.4	2
293	Fatigue Fracture Behavior of Mg-Zn-Y Alloys. Materials Science Forum, 2007, 561-565, 267-270.	0.3	2
294	Thermally stable multi-mode polymer optical waveguide fabricated by single-step photo-patterning of fluorinated polyimide/epoxy hybrids. Proceedings of SPIE, 2008, , .	0.8	2
295	Fatigue behavior of pure titanium single crystals by bending method. Procedia Engineering, 2011, 10, 1384-1389.	1.2	2
296	Novel aromatic proton exchange membranes based on thiazolothiazole units. Polymer Journal, 2017, 49, 745-749.	2.7	2
297	Pressure Induced Variations in Refractive Index of Aromatic Polyimide Film Analyzed by Brillouin Scattering. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 599-606.	0.3	2
298	Refractive Index Modulation by Photo-Fries Rearrangement of Main Chain-Type Aromatic Polyurethanes. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 243-247.	0.3	2
299	Analysis of Pressure-induced Variations in the Crystalline Structures of Polyimides Having Flexible Linkages by Wide-Angle X-ray Diffraction. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 583-590.	0.3	2
300	Roles of Slip and Twinning on Indentation Formations in Magnesium Alloy Single Crystals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2019, 83, 458-464.	0.4	2
301	Synthesis and Properties of Partially Fluorinated Polyimides for Optical Applications. , 2002, , 305-350.		1
302	Green-light emission of ZnO nanoparticles spontaneously precipitated in fluorinated polyimide films. , 2006, 6122, 58.		1
303	Radical polymerization of styrene derivatives bearing <i>N</i>â€free amino acid side chains, synergic effect of chirality, and hydrogen bonding for stereoselective polymerization. Journal of Polymer Science Part A, 2010, 48, 5593-5602.	2.3	1
304	Fatigue Fracture Behavior of ARB Processed Aluminum. Materials Science Forum, 2010, 654-656, 2479-2482.	0.3	1
305	Polymer Characterization and Morphology. Macromolecular Chemistry and Physics, 2018, 219, 1800001.	2.2	1
306	Synthesis of Alkaline-soluble Triazine-based Poly(phenylene sulfide)s with Single/Double Pendant Carboxylic Acid Moieties and Their Application to Refractive Index Contrast Materials. Chemistry Letters, 2021, 50, 816-818.	1.3	1

#	ARTICLE	IF	CITATIONS
307	Direct Quantitative Analysis on Detergency of Soil Components Using ATR-FT/IR. Journal of Fiber Science and Technology, 2021, 77, 174-181.	0.4	1
308	Prediction of Optical Properties of Polymers and Development of Highly Refractive Polyimides. Seikei-Kakou, 2008, 20, 170-176.	0.0	1
309	Deformation Behavior by Non-Basal Slip in Cadmium Single Crystals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1989, 53, 1105-1112.	0.4	1
310	Effects of Cerium on Crystal Orientation Dependence of Fatigue Fracture Behavior of Magnesium Single Crystals. Materials Transactions, 2022, 63, 27-32.	1.2	1
311	Orientation Dependence on Bending Deformation Behavior of Pure Zinc Single Crystals. Materials Transactions, 2022, 63, 684-692.	1.2	1
312	Damage Evolution and Dynamic Mechanical Properties in a SiC Fibre Reinforced Ti Alloy Composite. Materials Transactions, JIM, 1996, 37, 414-419.	0.9	0
313	Synthesis and Properties of Perfluorinated Polyimides. , 2002, , 277-303.		0
314	The Photopolymer Science and Technology Award. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2003, 16, 5-7.	0.3	0
315	Characterization of Perfluoropolymers Using Solid State ¹⁹ F MAS NMR Spectroscopy. Kobunshi Ronbunshu, 2003, 60, 145-157.	0.2	0
316	Polyimide as a Plastic Substrate for the Flexible Organic Electroluminescent Device. Materials Research Society Symposia Proceedings, 2004, 814, 278.	0.1	0
317	Control of Optical Properties of Thermally Stable Polymers. Kobunshi, 2004, 53, 419-423.	0.0	0
318	A new 193nm resist. , 2005, , .		0
319	Molecular Dynamic Simulation of Crack Propagation Behavior in Nano Size HCP Crystals. , 2005, , 1685.		0
320	Microstructure and Mechanical Properties of New Particle-Disperse-Reinforced Mg Composite Mg-6Al-3B₂O₃-1NaCl-1CaCl₂. Materials Science Forum, 2007, 546-549, 503-507.	0.3	0
321	Developments of Magnesium Alloys by Melt Stirring Method. Materials Science Forum, 2007, 561-565, 271-274.	0.3	0
322	Material Design of Thermally Conductive Polyimides via Hybridization with Metallic or Inorganic Particles . Journal of the Society of Materials Engineering for Resources of Japan, 2015, 26, 16-21.	0.2	0
323	Cover Image, Volume 67, Issue 5. Polymer International, 2018, 67, i.	3.1	0
324	OS6(4)-18(OS06W0141) Analysis of Crack Propagation Behavior in Nano Size hcp Crystals by Molecular Dynamic Method. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 233.	0.0	0

#	ARTICLE	IF	CITATIONS
325	Effects of Structural Isomerism and Precursor Structures on Thermo-optic Coefficients of BPDA/PDA Polyimide Films. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 2, 167-174.	0.3	0
326	OS4-5-2 Fatigue Fracture Behavior in Magnesium Single Crystals. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2007, 2007.6, _OS4-5-2-1-_OS4-5-2-4.	0.0	0
327	OS0310 Deformation Behavior of Magnesium Single Crystals in Tension and Compression. The Proceedings of the Materials and Mechanics Conference, 2009, 2009, 595-596.	0.0	0
328	OS2011 Orientation Dependence of Deformation Mechanism in Magnesium Single Crystals. The Proceedings of the Materials and Mechanics Conference, 2011, 2011, _OS2011-1_-_OS2011-3_.	0.0	0
329	Photophysical relaxation mechanism of excited phthalimide compounds. Lithuanian Journal of Physics, 2019, 58, .	0.4	0
330	Effects of cerium addition on fatigue fracture behavior of magnesium single crystals. Keikinzoku/Journal of Japan Institute of Light Metals, 2019, 69, 128-130.	0.4	0
331	Orientation Dependence on Bending Deformation Behavior of Pure Zinc Single Crystals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2022, 86, .	0.4	0
332	Redox Nonâ€innocence of orthoâ€Benzoquinone Dioximate Dianion in Ligand Exchange on Ruthenium. European Journal of Inorganic Chemistry, 0, , .	2.0	0