Shinji Ando

List of Publications by Year
in descending order

332 papers	11,495 citations	26630 56 h-index	46799 89 g-index
335 all docs	335 docs citations	335 times ranked	7797 citing authors

#	Article	IF	Citations
1	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
2	Effects of Cerium on Crystal Orientation Dependence of Fatigue Fracture Behavior of Magnesium Single Crystals. Materials Transactions, 2022, 63, 27-32.	1.2	1
3	Orientation Dependence on Bending Deformation Behavior of Pure Zinc Single Crystals. Materials Transactions, 2022, 63, 684-692.	1.2	1
4	Correlating the Molecular Structure of Polyimides with the Dielectric Constant and Dissipation Factor at a High Frequency of 10 GHz. ACS Applied Polymer Materials, 2021, 3, 362-371.	4.4	60
5	Full-colour solvatochromic fluorescence emitted from a semi-aromatic imide compound based on ESIPT and anion formation. Materials Advances, 2021, 2, 5629-5638.	5.4	11
6	Ultrafast Spectroscopic Analysis of Pressure-Induced Variations of Excited-State Energy and Intramolecular Proton Transfer in Semi-Aliphatic Polyimide Films. Journal of Physical Chemistry B, 2021, 125, 2425-2434.	2.6	6
7	Quantitative analysis of stereoscopic molecular orientations in thermally reactive and heterogeneous noncrystalline thin films via variable-temperature infrared pMAIRS and GI-XRD. Polymer Journal, 2021, 53, 603-617.	2.7	8
8	Analysis of spatial orientation distribution of highly oriented polyimide film using micro ATR-FTIR spectroscopic imaging method. Polymer, 2021, 221, 123616.	3.8	10
9	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
10	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
11	Orientation Analysis of Polymer Chains in Optically Transparent Biopolyimides Having Rigid and Bending Backbones. ChemistrySelect, 2021, 6, 6525-6532.	1.5	3
12	Colorless Copolyimide Films Exhibiting Large Stokes-Shifted Photoluminescence Applicable for Spectral Conversion. ACS Applied Polymer Materials, 2021, 3, 3911-3921.	4.4	6
13	Compression and Thermal Expansion Behaviors of Highly Crystalline Polyimide Particles Prepared from Poly(amic acid) and Monomer Salts. Macromolecules, 2021, 54, 8714-8725.	4.8	4
14	Dynamically Recrystallized Structure and Mechanical Properties of Mg₉₆Zn₂Y₂ Alloys Deformed by ECAP. Materials Transactions, 2021, 62, 1304-1310.	1.2	5
15	Large-Stokes-shifted yellow photoluminescence emission from an imide and polyimides forming multiple intramolecular hydrogen bonds. Materials Chemistry Frontiers, 2021, 6, 24-32.	5.9	4
16	Synthesis and Characterization of White-Light Luminescent End-Capped Polyimides Based on FRET and Excited State Intramolecular Proton Transfer. Polymers, 2021, 13, 4050.	4.5	4
17	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
18	Photoconductive polyimides derived from a novel imidazole-containing diamine. High Performance Polymers, 2020, 32, 620-630.	1.8	8

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19	Thermally and Mechanically Stable Polyimides as Flexible Substrates for Organic Field-Effect Transistors. ACS Applied Polymer Materials, 2020, 2, 3422-3432.	4.4	32
20	White-Light Emission and Tunable Luminescence Colors of Polyimide Copolymers Based on FRET and Room-Temperature Phosphorescence. ACS Omega, 2020, 5, 14831-14841.	3.5	31
21	Development of Novel Triazine-Based Poly(phenylene sulfide)s with High Refractive Index and Low Birefringence. ACS Omega, 2020, 5, 5134-5141.	3.5	26
22	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
23	Effects of sulfonate incorporation and structural isomerism on physical and gas transport properties of soluble sulfonated polyimides. Polymer, 2020, 191, 122263.	3.8	19
24	Synthesis of fluorescent polycarbonates with highly twisted N,N-bis(dialkylamino)anthracene AIE luminogens in the main chain. RSC Advances, 2019, 9, 21733-21740.	3.6	9
25	Spontaneous Chain Orientation of Aromatic Polyimides Evolved during Thermal Imidization from Shear-Oriented Glassy Liquid Crystalline Precursors. Macromolecules, 2019, 52, 5054-5066.	4.8	7
26	Anisotropic photoconductivity of aromatic and semi-aliphatic polyimide films: Effects of charge transfer, molecular orientation, and polymer chain packing. Polymer, 2019, 180, 121713.	3.8	11
27	A colorless semi-aromatic polyimide derived from a sterically hindered bromine-substituted dianhydride exhibiting dual fluorescence and phosphorescence emission. Materials Chemistry Frontiers, 2019, 3, 39-49.	5.9	38
28	Colorless Partially Alicyclic Polyimides Based on TrÃ¶gerâ€™s Base Exhibiting Good Solubility and Dual Fluorescence/Phosphorescence Emission. Macromolecules, 2019, 52, 3813-3824.	4.8	48
29	Synthesis of poly(o -cresol) by oxidative coupling polymerization of o -cresol. Journal of Polymer Science Part A, 2019, 57, 878-884.	2.3	4
30	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
31	Photoluminescence Properties of Novel Fluorescent Polyimide Based on Excited State Intramolecular Proton Transfer at The End Groups. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 449-455.	0.3	5
32	Synergistic Effect of Sulfur and Chalcogen Atoms on the Enhanced Refractive Indices of Polyimides in the Visible and Near-Infrared Regions. Macromolecules, 2019, 52, 827-834.	4.8	33
33	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
34	Photophysical relaxation mechanism of excited phtalimide compounds. Lithuanian Journal of Physics, 2019, 58, .	0.4	0
35	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
36	Polymer Characterization and Morphology. Macromolecular Chemistry and Physics, 2018, 219, 1800001.	2.2	1

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37	Effects of crosslinking agents on the physical properties of polyimide/aminoâ€functionalized graphene oxide hybrid films. Polymer International, 2018, 67, 588-597.	3.1	19
38	Synthesis and characterization of alkalineâ€soluble triazineâ€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
39	Anisotropic Linear and Volumetric Thermalâ€Expansion Behaviors of Selfâ€Standing Polyimide Films Analyzed by Thermomechanical Analysis (TMA) and Optical Interferometry. Macromolecular Chemistry and Physics, 2018, 219, 1700354.	2.2	35
40	In Situ Analysis of Chain Orientation Behavior in Thin Film Aromatic Polyimides by Variable Temperature pMAIRS during Thermal Imidization. Macromolecular Chemistry and Physics, 2018, 219, 1700370.	2.2	21
41	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
42	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
43	Enhancing photoconductivity of aromatic polyimide films by incorporating fluorinated dianhydrides and main chain triphenylamine structure. Polymer, 2018, 157, 122-130.	3.8	9
44	Effect of a Sulfonated Benzothiadiazole Unit on the Morphology and Ion Conduction Behavior of a Polymer Electrolyte Membrane. Industrial & Engineering Chemistry Research, 2018, 57, 16095-16102.	3.7	7
45	Pressure-Induced Variations of Aggregation Structures in Colorless and Transparent Polyimide Films Analyzed by Optical Microscopy, UVâ€“Vis Absorption, and Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 8985-8997.	2.6	14
46	Effects of chain packing and structural isomerism on the anisotropic linear and volumetric thermal expansion behaviors of polyimide films. Polymer, 2018, 146, 386-395.	3.8	37
47	Enhanced fluorescence of phthalimide compounds induced by the incorporation of electron-donating alicyclic amino groups. Physical Chemistry Chemical Physics, 2018, 20, 16033-16044.	2.8	30
48	Development of a novel durable aromatic anion exchange membrane using a thermally convertible precursor. Chemical Communications, 2018, 54, 10820-10823.	4.1	10
49	Reconfigurable Shape Memory and Self-Welding Properties of Epoxy Phenolic Novolac/Cashew Nut Shell Liquid Composites Reinforced with Carbon Nanotubes. Polymers, 2018, 10, 482.	4.5	30
50	Cover Image, Volume 67, Issue 5. Polymer International, 2018, 67, i.	3.1	0
51	Effective Reduction of Volumetric Thermal Expansion of Aromatic Polyimide Films by Incorporating Interchain Crosslinking. Polymers, 2018, 10, 761.	4.5	28
52	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
53	Enhanced thermal conductivity in immiscible polyimide blend composites with needle-shaped ZnO particles. RSC Advances, 2017, 7, 15492-15499.	3.6	19
54	Novel aromatic proton exchange membranes based on thiazolothiazole units. Polymer Journal, 2017, 49, 745-749.	2.7	2

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55	Evaluation of free volume and anisotropic chain orientation of TrÃ¶ger's base (TB)-based microporous polyimide/copolyimide membranes. Polymer, 2017, 123, 39-48.	3.8	22
56	Promotion of Thermal Imidization of Semi-Aliphatic Polyimide Precursors by Incorporation of Polyethylene Glycol and Their Modified Solid Structures. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 139-146.	0.3	5
57	Enhancement of Thermal Diffusivity in Phase-Separated Bismaleimide/Poly(ether imide) Composite Films Containing Needle-Shaped ZnO Particles. Polymers, 2017, 9, 263.	4.5	11
58	Analysis of Thermal Radiation Properties of Polyimide and Polymeric Materials Based on ATR-IR spectroscopy. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 251-254.	0.3	36
59	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
60	Fatigue properties of ARB-processed Ti sheets with crystallographic texture. International Journal of Fatigue, 2016, 92, 18-24.	5.7	9
61	Discrete Self-Assembly and Functionality of Guest Molecules in an Organic Framework. Chemistry of Materials, 2016, 28, 5847-5854.	6.7	16
62	Polyimides with Heavy Halogens Exhibiting Room-Temperature Phosphorescence with Very Large Stokes Shifts. ACS Macro Letters, 2016, 5, 1301-1305.	4.8	87
63	Development of novel polymer electrolyte membranes based on a benzothiadiazole unit. RSC Advances, 2016, 6, 99433-99436.	3.6	4
64	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. Macromolecules, 2016, 49, 1848-1857.	4.8	56
65	Prevention of void formation in particulate-filled polymer composites: Effects of thermoplastic matrices and residual solvent. Composites Science and Technology, 2016, 123, 268-275.	7.8	7
66	Conformational characterization of imide compounds and polyimides using far-infrared spectroscopy and DFT calculations. Polymer, 2016, 86, 83-90.	3.8	14
67	Orientation Dependence of Bending Deformation Behavior in Magnesium Single Crystals. Materials Transactions, 2016, 57, 1246-1251.	1.2	7
68	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
69	Highly transparent triethoxysilane-terminated copolyimide and its SiO2 composite with enhanced thermal stability and reduced thermal expansion. European Polymer Journal, 2015, 64, 206-214.	5.4	27
70	Nitro-substituted polyamides: A new class of transparent and highly refractive materials. European Polymer Journal, 2015, 66, 328-341.	5.4	29
71	Synthesis and characterization of poly(phenylene thioether)s containing pyrimidine units exhibiting high transparency, high refractive indices, and low birefringence. Journal of Materials Chemistry C, 2015, 3, 7081-7087.	5.5	21
72	An electron-accepting molecular unit exhibiting an orientational preference favorable for organic photovoltaic applications. Thin Solid Films, 2015, 583, 34-39.	1.8	6

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73	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
74	Transparent Aromatic Polyimides Derived from Thiophenyl-Substituted Benzidines with High Refractive Index and Small Birefringence. Macromolecules, 2015, 48, 3462-3474.	4.8	70
75	Polyimide and Imide Compound Exhibiting Bright Red Fluorescence with Very Large Stokes Shifts via Excited-State Intramolecular Proton Transfer. Macromolecules, 2015, 48, 1777-1785.	4.8	56
76	Fluorescence emissions of imide compounds and end-capped polyimides enhanced by intramolecular double hydrogen bonds. Physical Chemistry Chemical Physics, 2015, 17, 30659-30669.	2.8	24
77	Nonstoichiometric Stille Coupling Polycondensation for Synthesizing Naphthalene-Diimide-Based Ï€-Conjugated Polymers. ACS Macro Letters, 2015, 4, 1004-1007.	4.8	46
78	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. RSC Advances, 2015, 5, 98419-98428.	3.6	12
79	Synthesis and structureâ€“property relationships of novel thiazoleâ€containing poly(amide imide)s with high refractive indices and low birefringences. Polymer International, 2015, 64, 486-495.	3.1	31
80	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
81	Mg alloy sheets with a nanocrystalline surface layer fabricated by wire-brushing. Surface and Coatings Technology, 2014, 243, 28-33.	4.8	13
82	Thermal and optical properties of hyperbranched fluorinated polyimide/mesoporous SiO2 nanocomposites exhibiting high transparency and reduced thermo-optical coefficients. Polymer, 2014, 55, 2848-2855.	3.8	28
83	Temperature dependence of electric conduction in polyimides with main chain triphenylamine structures. Polymer Journal, 2014, 46, 201-206.	2.7	10
84	Hybrid ternary composites of hyperbranched and linear polyimides with SiO₂: a research for low dielectric constant and optimized properties. RSC Advances, 2014, 4, 42737-42746.	3.6	18
85	Low dielectric and thermally stable hybrid ternary composites of hyperbranched and linear polyimides with SiO2. RSC Advances, 2014, 4, 27267.	3.6	34
86	Pressure-Induced Changes in Crystalline Structures of Polyimides Analyzed by Wide-Angle X-ray Diffraction at High Pressures. Macromolecules, 2014, 47, 3951-3958.	4.8	23
87	Deformation behavior of Mg single crystals during a single ECAP pass at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 274-280.	5.6	27
88	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
89	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
90	Effects of Orientational Relaxation of Polymer Chains Induced by Isotropic Particles on the Enhanced Thermal Conductivity of AlN-filled Polyimide Films. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 193-198.	0.3	7

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91	Alkaline-developable and Positive-type Photosensitive Polyimide based on Fluorinated Poly(amic acid) from Diamine with High Hydrophobicity and Fluorinated Diazonaphtoquinone. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 211-217.	0.3	3
92	Solid-state NMR and wide-angle X-ray diffraction study of hydrofluoroether/Î²-cyclodextrin inclusion complex. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 76, 143-150.	1.6	10
93	Anisotropic Thermal Diffusivity of Hexagonal Boron Nitride-Filled Polyimide Films: Effects of Filler Particle Size, Aggregation, Orientation, and Polymer Chain Rigidity. ACS Applied Materials & Interfaces, 2013, 5, 4374-4382.	8.0	237
94	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
95	Effect of ARB Processing on Fatigue Crack Closure in Commercially Pure Titanium. Materials Transactions, 2013, 54, 528-531.	1.2	6
96	Crystalline structure and molecular mobility of PVDF chains in PVDF/PMMA blend films analyzed by solid-state 19F MAS NMR spectroscopy. Polymer Journal, 2012, 44, 757-763.	2.7	31
97	Solid-state 19F MAS and 1Hâ†'19F CP/MAS NMR study of the phase-transition behavior of vinylidene fluorideâ€"trifluoroethylene copolymers: 2. semi-crystalline films of VDF 75% copolymer. Polymer Journal, 2012, 44, 786-794.	2.7	5
98	Low Thermal Expansion Composites Prepared from Polyimide and ZrW<su>2O8 Particles with Negative Thermal Expansion. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 385-388.	0.3	20
99	Synthesis of highly refractive poly(phenylene thioether)s containing a binaphthyl or diphenylfluorene unit. Polymer Chemistry, 2012, 3, 2531.	3.9	21
100	Remarkable Effects of Terminal Groups and Solvents on Helical Folding of o-Phenylene Oligomers. Journal of the American Chemical Society, 2012, 134, 11084-11087.	13.7	58
101	Synthesis and Characterization of High Refractive Index and High Abbeâ€™s Number Poly(thioether) Tj ETQq1 1 0.784314 rgBT /Over	4.8	77
102	Variations in Aggregation Structures and Fluorescence Properties of a Semialiphatic Fluorinated Polyimide Induced by Very High Pressure. Macromolecules, 2012, 45, 4764-4771.	4.8	50
103	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
104	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. Macromolecules, 2011, 44, 349-359.	4.8	59
105	Synthesis, characterization, and photoinduced electron transfer properties of core-functionalized perylene-3,4:9,10-bis(dicarboximide)s with pendant anthracenes. Journal of Materials Chemistry, 2011, 21, 19049.	6.7	4
106	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
107	Synthesis and characterization of thianthrene-based poly(phenylene sulfide)s with high refractive index over 1.8. Journal of Materials Chemistry, 2011, 21, 15727.	6.7	36
108	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

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109	Redox-responsive molecular helices with highly condensed Ï€-clouds. Nature Chemistry, 2011, 3, 68-73.	13.6	197
110	Effects of dispersion and arrangement of clay on thermal diffusivity of polyimideâ€clay nanocomposite film. Journal of Applied Polymer Science, 2011, 119, 3010-3018.	2.6	7
111	Fatigue behavior of pure titanium single crystals by bending method. Procedia Engineering, 2011, 10, 1384-1389.	1.2	2
112	Microstructure and Evaluation of Wire-brushed Mg Sheets. Procedia Engineering, 2011, 10, 2737-2742.	1.2	10
113	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
114	Preparation of Soluble Polyimide/MgO Nanohybrid Films by In situ Hybridization Method and Evaluation of Their Thermal Conductivity. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 501-506.	0.3	11
115	Preparation and Characterization of Polyimide/ZnO Nano-hybrid Films Exhibiting High Refractive Indices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 521-528.	0.3	5
116	Enhanced Thermal Diffusivity by Vertical Double Percolation Structures in Polyimide Blend Films Containing Silver Nanoparticles. Macromolecular Chemistry and Physics, 2010, 211, 2118-2124.	2.2	27
117	In situ preparation of nano ZnO/hyperbranched polyimide hybrid film and their optical properties. Polymer, 2010, 51, 3173-3180.	3.8	45
118	Synthesis of amorphous copoly(thioether sulfone)s with high refractive indices and high Abbe numbers. European Polymer Journal, 2010, 46, 34-41.	5.4	24
119	Synthesis of highly refractive and transparent polyimides derived from 4,4â€²â€²thiobis[2â€³,6â€³â€dimethylâ€4â€³â€(pâ€phenylenesulfanyl)aniline]. Journal of Polymer Science Part A, 2010, 48, 656-662.	2.3	30
120	New colorless substrates based on polynorborneneâ€chlorinated polyimide copolymers and their application for flexible displays. Journal of Polymer Science Part A, 2010, 48, 1806-1814.	2.3	69
121	Highly refractive polymer resin derived from sulfurâ€containing aromatic acrylate. Journal of Polymer Science Part A, 2010, 48, 2604-2609.	2.3	31
122	Radical polymerization of styrene derivatives bearing Nâ€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
123	Quantitative analysis of near surfaces threeâ€dimensional orientation of polymer chains in PET and PEN films using polarized ATR FTIR spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 870-879.	2.1	6
124	Fatigue Fracture Behavior of ARB Processed Aluminum. Materials Science Forum, 2010, 654-656, 2479-2482.	0.3	1
125	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
126	Synthesis of sulfur-containing poly(thioester)s with high refractive indices and high Abbe numbers. Polymer Chemistry, 2010, 1, 480-484.	3.9	35

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127	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
128	Highly Refractive Poly(phenylene thioether) Containing Triazine Unit. Macromolecules, 2010, 43, 4613-4615.	4.8	66
129	Analysis of Molecular Aggregation Structures of Fully Aromatic and Semialiphatic Polyimide Films with Synchrotron Grazing Incidence Wide-Angle X-ray Scattering. Macromolecules, 2010, 43, 1930-1941.	4.8	139
130	Molecular Aggregation Structures of Polyimide Films at Very High Pressure Analyzed by Synchrotron Wide-Angle X-ray Diffraction. Macromolecules, 2010, 43, 2115-2117.	4.8	25
131	Synthesis and Characterization of Highly Refractive Polyimides Derived from Thiophene-Containing Aromatic Diamines and Aromatic Dianhydrides. Macromolecules, 2010, 43, 1836-1843.	4.8	75
132	Synthesis and Characterization of Solution-Processable Core-Cyanated Perylene-3,4;9,10-bis(dicarboximide) Derivatives. Organic Letters, 2010, 12, 4852-4855.	4.6	7
133	Organic/inorganic-polyimide nanohybrid materials for advanced opto-electronic applications. Proceedings of SPIE, 2009, , .	0.8	4
134	Effect of zinc precursor on thermal and light emission properties of ZnO nanoparticles embedded in polyimide films. Materials Chemistry and Physics, 2009, 114, 751-755.	4.0	20
135	Synthesis of highâ€refractive index polyimide containing selenophene unit. Journal of Polymer Science Part A, 2009, 47, 4428-4434.	2.3	71
136	Synthesis of highly refractive polyimides derived from 3,6â€bis(4â€aminophenylenesulfanyl)pyridazine and 4,6â€bis(4â€aminophenylenesulfanyl)pyrimidine. Journal of Polymer Science Part A, 2009, 47, 4886-4894.	2.3	53
137	Synthesis and characterization of highly refractive polyimides derived from 2,7-bis(4â€²-aminophenylenesulfanyl)thianthrene-5,5,10,10-tetraoxide and aromatic dianhydrides. Polymer, 2009, 50, 789-795.	3.8	52
138	Synthesis of High Refractive Index Poly(thioether sulfone)s with High Abbeâ€™s Number Derived from 2,5-Bis(sulfanylmethyl)-1,4-dithiane. Polymer Journal, 2009, 41, 860-865.	2.7	28
139	Molecular Design, Synthesis, and Properties of Highly Fluorescent Polyimides. Journal of Physical Chemistry B, 2009, 113, 15212-15224.	2.6	93
140	Characterization of Electronic Transitions in Polyimide Films Based on Spectral Variations Induced by Hydrostatic Pressures up to 400 MPa. Journal of Physical Chemistry B, 2009, 113, 8835-8846.	2.6	26
141	Highly Transparent and Refractive Polyimides with Controlled Molecular Structure by Chlorine Side Groups. Macromolecules, 2009, 42, 5112-5120.	4.8	124
142	Optical and Thermal Properties of Organo-silica/Polyimide Nano-hybrids Derived from Polysiloxazane Copolymers. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 447-454.	0.3	7
143	Development of Fatigue Testing Machine for Thin Sheet Specimen and Fatigue Test for Magnesium Single Crystal. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 703-708.	0.2	10
144	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

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145	Synthesis and properties of highly refractive polyimides derived from fluoreneâ€bridged sulfurâ€containing dianhydrides and diamines. Journal of Polymer Science Part A, 2008, 46, 1510-1520.	2.3	122
146	Highly Refractive Polyimides Derived from 2,8â€Bis(pâ€aminophenylenesulfanyl)dibenzothiophene and Aromatic Dianhydrides. Macromolecular Chemistry and Physics, 2008, 209, 195-203.	2.2	66
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