

Moonhor Ree

List of Publications by Year in descending order

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30070

54
h-index

36028

97
g-index

251
all docs

251
docs citations

251
times ranked

10515
citing authors

#	ARTICLE	IF	CITATIONS
1	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene:fullerene solar cells. <i>Nature Materials</i> , 2006, 5, 197-203.	27.5	2,208
2	Structural Analysis of Block Copolymer Thin Films with Grazing Incidence Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2005, 38, 4311-4323.	4.8	366
3	pH-Dependent Structures of Ferritin and Apoferritin in Solution: Disassembly and Reassembly. <i>Biomacromolecules</i> , 2011, 12, 1629-1640.	5.4	252
4	Ultralow-k nanoporous organosilicate dielectric films imprinted with dendritic spheres. <i>Nature Materials</i> , 2005, 4, 147-150.	27.5	243
5	Virus Filtration Membranes Prepared from Nanoporous Block Copolymers with Good Dimensional Stability under High Pressures and Excellent Solvent Resistance. <i>Advanced Functional Materials</i> , 2008, 18, 1371-1377.	14.9	222
6	High performance polyimides for applications in microelectronics and flat panel displays. <i>Macromolecular Research</i> , 2006, 14, 1-33.	2.4	176
7	Novel Rewritable, Non-volatile Memory Devices Based on Thermally and Dimensionally Stable Polyimide Thin Films. <i>Advanced Functional Materials</i> , 2008, 18, 3276-3282.	14.9	167
8	Hierarchical Self-Assembled Structures from POSS-Containing Block Copolymers Synthesized by Living Anionic Polymerization. <i>Macromolecules</i> , 2009, 42, 8835-8843.	4.8	163
9	Acid- and base-catalyzed hydrolyses of aliphatic polycarbonates and polyesters. <i>Catalysis Today</i> , 2006, 115, 283-287.	4.4	147
10	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
11	High-Performance Programmable Memory Devices Based on Hyperbranched Copper Phthalocyanine Polymer Thin Films. <i>Advanced Materials</i> , 2008, 20, 1766-1771.	21.0	129
12	Current status of the synchrotron small-angle X-ray scattering Station BL4C1 at the Pohang Accelerator Laboratory. <i>Macromolecular Research</i> , 2002, 10, 2-12.	2.4	126
13	Influences of chain rigidity, in-plane orientation, and thickness on residual stress of polymer films. <i>Journal of Applied Physics</i> , 1994, 75, 1410-1419.	2.5	125
14	Bending-stress-driven phase transitions in pentacene thin films for flexible organic field-effect transistors. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	124
15	In-Situ Grazing Incidence Small-Angle X-ray Scattering Studies on Nanopore Evolution in Low-k Organosilicate Dielectric Thin Films. <i>Macromolecules</i> , 2005, 38, 3395-3405.	4.8	123
16	Soluble Polyimides Containing Benzimidazole Rings for Interlevel Dielectrics. <i>Chemistry of Materials</i> , 2001, 13, 2801-2806.	6.7	119
17	Surface Morphology, Molecular Reorientation, and Liquid Crystal Alignment Properties of Rubbed Nanofilms of a Well-Defined Brush Polyimide with a Fully Rodlike Backbone. <i>Macromolecules</i> , 2002, 35, 10119-10130.	4.8	106
18	Abrupt Morphology Change upon Thermal Annealing in Poly(3-hexylthiophene)/Soluble Fullerene Blend Films for Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2010, 20, 748-754.	14.9	103

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19	Programmable Permanent Data Storage Characteristics of Nanoscale Thin Films of a Thermally Stable Aromatic Polyimide. <i>Langmuir</i> , 2009, 25, 11713-11719.	3.5	101
20	Photoreactions and Photoinduced Molecular Orientations of Films of a Photoreactive Polyimide and Their Alignment of Liquid Crystals. <i>Macromolecules</i> , 2003, 36, 6527-6536.	4.8	88
21	New findings in the catalytic activity of zinc glutarate and its application in the chemical fixation of CO ₂ into polycarbonates and their derivatives. <i>Catalysis Today</i> , 2006, 115, 134-145.	4.4	88
22	Programmable digital memory devices based on nanoscale thin films of a thermally dimensionally stable polyimide. <i>Nanotechnology</i> , 2009, 20, 135204.	2.6	88
23	Solubility of water in polyimides: Quartz crystal microbalance measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991, 29, 87-92.	2.1	86
24	Structural characterization of carboxylated multi-walled carbon nanotubes. <i>Thin Solid Films</i> , 2008, 516, 5781-5784.	1.8	85
25	Nonvolatile Unipolar and Bipolar Bistable Memory Characteristics of a High Temperature Polyimide Bearing Diphenylaminobenzylidenylimine Moieties. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9143-9150.	2.6	83
26	Synchrotron X-ray Reflectivity Study on the Structure of Templated Polyorganosilicate Thin Films and Their Derived Nanoporous Analogues. <i>Langmuir</i> , 2001, 17, 6683-6691.	3.5	82
27	Terpolymerization of CO ₂ with Propylene Oxide and μ -Caprolactone Using Zinc Glutarate Catalyst. <i>Macromolecules</i> , 2003, 36, 8210-8212.	4.8	81
28	Photoreaction and Molecular Reorientation in a Nanoscaled Film of Poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (4-(metha <i>Langmuir</i> , 2003, 19, 687-695.	3.5	80
29	Programmable Digital Memory Characteristics of Nanoscale Thin Films of a Fully Conjugated Polymer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3855-3861.	3.1	80
30	Programmable Bipolar and Unipolar Nonvolatile Memory Devices Based on Poly(2- <i>N</i> -carbazolyl)ethyl methacrylate) End-Capped with Fullerene. <i>Advanced Materials</i> , 2012, 24, 1062-1066.	21.0	80
31	Epitaxial Phase Transition of Polystyrene- <i>b</i> -Polyisoprene from Hexagonally Perforated Layer to Gyroid Phase in Thin Film. <i>Macromolecules</i> , 2005, 38, 10532-10536.	4.8	75
32	Imprinting well-controlled closed-nanopores in spin-on polymeric dielectric thin films. <i>Journal of Materials Chemistry</i> , 2006, 16, 685-697.	6.7	74
33	High Temperature Polyimide Containing Anthracene Moiety and Its Structure, Interface, and Nonvolatile Memory Behavior. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 765-773.	8.0	73
34	Various Digital Memory Behaviors of Functional Aromatic Polyimides Based on Electron Donor and Acceptor Substituted Triphenylamines. <i>Macromolecules</i> , 2012, 45, 3749-3758.	4.8	73
35	Organic phototransistors based on solution grown, ordered single crystalline arrays of a π -conjugated molecule. <i>Journal of Materials Chemistry</i> , 2012, 22, 3192.	6.7	70
36	Small-angle x-ray scattering station 4C2 BL of pohang accelerator laboratory for advance in Korean polymer science. <i>Macromolecular Research</i> , 2008, 16, 575-585.	2.4	69

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37	Influence of Controlled Acidity of Hole-Collecting Buffer Layers on the Performance and Lifetime of Polymer:Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13502-13510.	3.1	69
38	Preparation of Nanoporous Poly(3-hexylthiophene) Films Based on a Template System of Block Copolymers via Ionic Interaction. <i>Macromolecules</i> , 2010, 43, 4843-4852.	4.8	66
39	pH-Dependent Structures of an i-Motif DNA in Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1852-1856.	2.6	64
40	Rubbing-Induced Surface Morphology and Polymer Segmental Reorientations of a Model Brush Polyimide and Interactions with Liquid Crystals at the Surface. <i>Chemistry of Materials</i> , 2003, 15, 3105-3112.	6.7	63
41	Electrically bistable nonvolatile switching devices fabricated with a high performance polyimide bearing diphenylcarbonyl moieties. <i>Journal of Materials Chemistry</i> , 2009, 19, 2207.	6.7	63
42	Hydrothermal Synthesis of Single-Crystalline Zinc Glutarate and Its Structural Determination. <i>Chemistry of Materials</i> , 2004, 16, 2981-2983.	6.7	62
43	Alternating Copolymers Containing Bithiophene and Dialkoxynaphthalene for the Applications to Field Effect Transistor and Photovoltaic Cell: Performance and Stability. <i>Chemistry of Materials</i> , 2009, 21, 5499-5507.	6.7	62
44	Time-Resolved Synchrotron X-ray Diffraction and Infrared Spectroscopic Studies of Imidization and Structural Evolution in a Microscaled Film of PMDA-3,4-ODA Poly(amic acid). <i>Langmuir</i> , 2001, 17, 7842-7850.	3.5	61
45	Synthesis of zinc glutarates with various morphologies using an amphiphilic template and their catalytic activities in the copolymerization of carbon dioxide and propylene oxide. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4079-4088.	2.3	61
46	Unusual Alignment of Liquid Crystals on Rubbed Films of Polyimides with Fluorenyl Side Groups. <i>Macromolecules</i> , 2006, 39, 5385-5392.	4.8	61
47	Novel Brush Polymers with Phosphorylcholine Bristle Ends: Synthesis, Structure, Properties, and Biocompatibility. <i>Advanced Functional Materials</i> , 2009, 19, 1631-1644.	14.9	61
48	Secondary Crystallization Behavior of Poly(ethylene isophthalate-co-terephthalate): Time-Resolved Small-Angle X-ray Scattering and Calorimetry Studies. <i>Macromolecules</i> , 2004, 37, 4174-4184.	4.8	59
49	Synthesis, characterization and liquid-crystal-aligning properties of novel aromatic polypyromellitimides bearing (n-alkyloxy)biphenyloxy side chains. <i>Polymer</i> , 2006, 47, 6606-6621.	3.8	59
50	Precise Synthesis and Characterization of Fourth-Generation Dendrimer-like Star-Branched Poly(methyl methacrylate)s and Block Copolymers by Iterative Methodology Based on Living Anionic Polymerization. <i>Macromolecules</i> , 2009, 42, 682-693.	4.8	58
51	Structural Characteristics of Amphiphilic Cyclic and Linear Block Copolymer Micelles in Aqueous Solutions. <i>ACS Macro Letters</i> , 2014, 3, 233-239.	4.8	57
52	A Soluble Photoreactive Polyimide Bearing the Coumarin Chromophore in the Side Group: Photoreaction, Photoinduced Molecular Reorientation, and Liquid-Crystal Alignability in Thin Films. <i>Langmuir</i> , 2003, 19, 10381-10389.	3.5	56
53	Role of then-Alkyl End of Bristles in Governing Liquid Crystal Alignment at Rubbed Films of Brush Polymer Rods. <i>Macromolecules</i> , 2005, 38, 4331-4338.	4.8	56
54	Electrically permanent memory characteristics of an ionic conjugated polymer. <i>Polymer Chemistry</i> , 2012, 3, 2028.	3.9	56

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55	Class Transition Temperature of Poly(tert-butyl methacrylate) Langmuir-Blodgett Film and Spin-Coated Film by X-ray Reflectivity and Ellipsometry. <i>Langmuir</i> , 2000, 16, 2351-2355.	3.5	54
56	Nondestructive quantitative synchrotron grazing incidence X-ray scattering analysis of cylindrical nanostructures in supported thin films. <i>Journal of Applied Crystallography</i> , 2007, 40, 305-312.	4.5	52
57	Synchrotron Small-Angle X-ray Scattering Studies of the Structure of Porcine Pepsin under Various pH Conditions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15821-15827.	2.6	52
58	Electrical Memory Characteristics of a Nondoped π -Conjugated Polymer Bearing Carbazole Moieties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10294-10301.	2.6	52
59	Structural Evolution in Microbial Polyesters. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4571-4582.	2.6	51
60	Hierarchical Structure in Nanoscale Thin Films of a Poly(styrene- <i>b</i> -methacrylate grafted with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	51
61	Programmable digital nonvolatile memory behaviors of donor-acceptor polyimides bearing triphenylamine derivatives: effects of substituents. <i>Polymer Chemistry</i> , 2012, 3, 1276.	3.9	51
62	Residual stress behaviour of isomeric PMDA-ODA polyimides. <i>Polymer</i> , 1992, 33, 1228-1236.	3.8	50
63	X-ray absorption and NMR spectroscopic investigations of zinc glutarates prepared from various zinc sources and their catalytic activities in the copolymerization of carbon dioxide and propylene oxide. <i>Journal of Catalysis</i> , 2003, 218, 209-219.	6.2	50
64	Crystal structure of RseB and a model of its binding mode to RseA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8779-8784.	7.1	50
65	Biological affinity and biodegradability of poly(propylene carbonate) prepared from copolymerization of carbon dioxide with propylene oxide. <i>Macromolecular Research</i> , 2008, 16, 473-480.	2.4	50
66	Synthesis and nonvolatile memory characteristics of thermally, dimensionally and chemically stable polyimides. <i>Polymer</i> , 2011, 52, 2170-2179.	3.8	50
67	Digital Memory Versatility of Fully π -Conjugated Donor-Acceptor Hybrid Polymers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8415-8425.	8.0	50
68	Ordering kinetics of cylindrical and spherical microdomains in an SIS block copolymer by synchrotron SAXS and rheology. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 641-653.	2.2	49
69	Order-Order and Order-Disorder Transitions in Thin Films of an Amphiphilic Liquid Crystalline Diblock Copolymer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8486-8495.	2.6	49
70	High-Performance Triisopropylsilylethynyl Pentacene Transistors via Spin Coating with a Crystallization-Assisting Layer. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 117-122.	8.0	49
71	Thermal Imidization and Structural Evolution of Thin Films of Poly(4,4'-oxydiphenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.6	48
72	Fullerene Attachment Enhances Performance of a DNA Nanomachine. <i>Advanced Materials</i> , 2009, 21, 1907-1910.	21.0	48

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73	New Clues to the Factors Governing the Perpendicular Alignment of Liquid Crystals on Rubbed Polystyrene Film Surfaces. <i>Langmuir</i> , 2003, 19, 8735-8743.	3.5	47
74	Effect of precursor history on residual stress and relaxation behaviour of high temperature polyimides. <i>Polymer</i> , 1993, 34, 1423-1430.	3.8	46
75	Effect of Molecular Weight on the Surface Morphology, Molecular Reorientation, and Liquid Crystal Alignment Properties of Rubbed Polystyrene Films. <i>Macromolecules</i> , 2003, 36, 9905-9916.	4.8	46
76	Synthesis and characterization of new, soluble polyazomethines bearing fluorene and carbazole units in the backbone and solubility-improving moieties in the side group. <i>Journal of Polymer Science Part A</i> , 2004, 42, 825-834.	2.3	46
77	Direct Observation of HPL and DG Structure in PS-b-PI Thin Film by Transmission Electron Microscopy. <i>Macromolecules</i> , 2007, 40, 2603-2605.	4.8	45
78	Quantitative analysis of lamellar structures in brush polymer thin films by synchrotron grazing-incidence X-ray scattering. <i>Journal of Applied Crystallography</i> , 2007, 40, 476-488.	4.5	45
79	High-Performance Channel Thin-Film Field-Effect Transistors Based on a Nanowire-Forming Polymer. <i>Advanced Functional Materials</i> , 2013, 23, 2060-2071.	14.9	44
80	Detailed analysis of gyroid structures in diblock copolymer thin films with synchrotron grazing-incidence X-ray scattering. <i>Journal of Applied Crystallography</i> , 2007, 40, 950-958.	4.5	43
81	UV-Driven Switching of Chain Orientation and Liquid Crystal Alignment in Nanoscale Thin Films of a Novel Polyimide Bearing Stilbene Moieties in the Backbone. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4900-4912.	2.6	43
82	Well-Defined Functional Linear Aliphatic Diblock Copolyethers: A Versatile Linear Aliphatic Polyether Platform for Selective Functionalizations and Various Nanostructures. <i>Advanced Functional Materials</i> , 2012, 22, 5194-5208.	14.9	43
83	Synthesis and characterization of new polyimides containing calix[4]arenes in the polymer backbone. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2013-2026.	2.3	42
84	Novel Electrical Properties of Nanoscale Thin Films of a Semiconducting Polymer: Quantitative Current-Sensing AFM Analysis. <i>Langmuir</i> , 2007, 23, 9024-9030.	3.5	41
85	Morphology-Dependent Electrical Memory Characteristics of a Well-Defined Brush Polymer Bearing Oxadiazole-Based Mesogens. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19355-19363.	3.1	41
86	Improved Performance of Polymer:Polymer Solar Cells by Doping Electron-Accepting Polymers with an Organosulfonic Acid. <i>Advanced Functional Materials</i> , 2011, 21, 4527-4534.	14.9	41
87	Imprinting of nanopores in organosilicate dielectric thin films with hyperbranched ketalized polyglycidol. <i>Polymer</i> , 2005, 46, 7394-7402.	3.8	40
88	High-performance triazole-containing brush polymers via azide-alkyne click chemistry: a new functional polymer platform for electrical memory devices. <i>NPG Asia Materials</i> , 2015, 7, e228-e228.	7.9	40
89	Sequence of the Rubbing-Induced Reorientations of Polymer Chain Segments in Nanofilms of a Well-Defined Brush Polyimide with a Fully Rodlike Backbone As Determined by Polarized FTIR Spectroscopy and Two-Dimensional Correlation Analysis. <i>Langmuir</i> , 2003, 19, 9459-9465.	3.5	39
90	Synthesis of novel polypyromellitimides with n-alkyloxy side chains and their liquid-crystal aligning property. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3130-3142.	2.3	39

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91	The biocompatibility of mesoporous inorganic-organic hybrid resin films with ionic and hydrophilic characteristics. <i>Biomaterials</i> , 2010, 31, 2517-2525.	11.4	38
92	Synthesis and Non-Isothermal Crystallization Characteristics of Poly[(ethylene)-co-(trimethylene) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 7	2.2	37
93	Polymer chain/nanocrystal ordering in thin films of regioregular poly(3-hexylthiophene) and blends with a soluble fullerene. <i>Soft Matter</i> , 2007, 3, 117-121.	2.7	37
94	Direct Observation of Interfacial Morphology in Poly(3-hexylthiophene) Transistors: Relationship between Grain Boundary and Field-Effect Mobility. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 48-53.	8.0	37
95	Synthesis and characterization of block copolythiophene with hexyl and triethylene glycol side chains. <i>Polymer</i> , 2011, 52, 3687-3695.	3.8	37
96	Electrically bistable digital memory behaviors of thin films of polyimides based on conjugated bis(triphenylamine) derivatives. <i>Polymer</i> , 2012, 53, 4135-4144.	3.8	37
97	Phase Diagram Constructed from the HPLC Fractions of a Polystyrene-b-polyisoprene Prepared by Anionic Polymerization. <i>Macromolecules</i> , 2003, 36, 4662-4666.	4.8	36
98	In Situ Infrared Spectroscopy Study on Imidization Reaction and Imidization-induced Refractive Index and Thickness Variations in Microscale Thin Films of a Poly(amic ester). <i>Langmuir</i> , 2005, 21, 6081-6085.	3.5	36
99	Biaxially extended quaterthiophene-thiophene and -selenophene conjugated polymers for optoelectronic device applications. <i>Polymer Chemistry</i> , 2012, 3, 767.	3.9	36
100	Well-defined and stable nanomicelles self-assembled from brush cyclic and tadpole copolymer amphiphiles: a versatile smart carrier platform. <i>NPG Asia Materials</i> , 2017, 9, e453-e453.	7.9	36
101	Polystyrene- <i>b</i> -polyisoprene thin films with hexagonally perforated layer structure: quantitative grazing-incidence X-ray scattering analysis. <i>Journal of Applied Crystallography</i> , 2008, 41, 281-291.	4.5	35
102	New Fullerene-Based Polymers and Their Electrical Memory Characteristics. <i>Macromolecules</i> , 2014, 47, 8154-8163.	4.8	35
103	>10% Efficiency Polymer:Fullerene Solar Cells with Polyacetylene-Based Polyelectrolyte Interlayers. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600415.	3.7	35
104	Probing the Self-Assembled Nanostructures of Functional Polymers with Synchrotron Grazing Incidence X-Ray Scattering. <i>Macromolecular Rapid Communications</i> , 2014, 35, 930-959.	3.9	34
105	Poly(3,4- <i>o</i> -oxydiphenylene pyromellitic acid), 1. Time-Resolved Infrared Spectroscopic Study of Thermal Imidization in Thin Films. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 791-800.	2.2	33
106	Synchrotron Grazing Incidence X-ray Scattering Study of the Morphological Structures in Thin Films of a Polymethacrylate Diblock Copolymer Bearing POSS Moieties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8033-8042.	2.6	33
107	Electrical Memory Characteristics of Nitrogen-Linked Poly(2,7-carbazole)s. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21954-21962.	3.1	33
108	Quantitative Structure and Property Analysis of Nanoporous Low Dielectric Constant SiCOH Thin Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10848-10854.	3.1	32

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109	Hierarchical Structures in Thin Films of Miktoarm Star Polymers: Poly(<i>n</i> -hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	4.8	32
110	High-Performance n-Type Electrical Memory and Morphology-Induced Memory-Mode Tuning of a Well-Defined Brush Polymer Bearing Perylene Diimide Moieties. <i>Advanced Electronic Materials</i> , 2015, 1, 1500197.	5.1	32
111	2,2'-Bis(1,3,4-thiadiazole)-Based π -Conjugated Copolymers for Organic Photovoltaics with Exceeding 8% and Its Molecular Weight Dependence of Device Performance. <i>Macromolecules</i> , 2017, 50, 891-899.	4.8	32
112	Structure and properties of a photosensitive polyimide: Effect of photosensitive group. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 453-465.	2.1	31
113	Synthesis and Characterization of a Soluble Polyimide Containing a Photoreactive 4-Styrylpyridine Derivative as the Side Group. <i>Macromolecular Rapid Communications</i> , 2001, 22, 941-947.	3.9	31
114	Anisotropic Thermal Expansion Behavior of Thin Films of Polymethylsilsesquioxane, a Spin-on-Glass Dielectric for High-Performance Integrated Circuits. <i>Langmuir</i> , 2004, 20, 6932-6939.	3.5	31
115	Enzymatic degradation of poly(propylene carbonate) and poly(propylene carbonate-co- ϵ -caprolactone) synthesized via CO ₂ fixation. <i>Catalysis Today</i> , 2006, 115, 288-294.	4.4	31
116	Bipolar resistive switching in a single layer memory device based on a conjugated copolymer. <i>Applied Physics Letters</i> , 2007, 91, 093517.	3.3	31
117	Two-Dimensionally Well-Ordered Multilayer Structures in Thin Films of a Brush Polypeptide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5338-5349.	2.6	31
118	Complex Self-Assembled Morphologies of Thin Films of an Asymmetric A ₃ B ₃ C ₃ Star Polymer. <i>ACS Macro Letters</i> , 2013, 2, 849-855.	4.8	31
119	Tunable electrical memory characteristics of brush copolymers bearing electron donor and acceptor moieties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4858.	5.5	30
120	Sequence of Rubbing-Induced Molecular Segmental Reorientations in the Nanoscale Film Surface of a Brush Polymer Rod. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11911-11916.	2.6	29
121	Synchrotron X-ray reflectivity study of high dielectric constant alumina thin films prepared by atomic layer deposition. <i>Thin Solid Films</i> , 2006, 510, 159-163.	1.8	29
122	Phase Transitions in Thin Films of a Diblock Copolymer Composed of a Linear Polymer Block and a Brush Polymer Block with Mesogenic Oligothiophenyl Bristles. <i>Macromolecules</i> , 2008, 41, 8778-8784.	4.8	29
123	Reversible conformation-driven order-order transition of peptide-mimic poly(<i>n</i> -alkyl isocyanate) in thin films via selective solvent-annealing. <i>NPG Asia Materials</i> , 2012, 4, e29-e29.	7.9	29
124	Organic nonvolatile memory transistors with self-doped polymer energy well structures. <i>NPG Asia Materials</i> , 2013, 5, e33-e33.	7.9	29
125	Residual Stress Evolution in Dielectric Thin Films Prepared from Poly(methylsilsesquioxane) Precursor. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 801-811.	2.2	28
126	Photoreaction and Molecular Reorientation in Films of Novel Photosensitive Polyesters Containing <i>n</i> -Alkyl Side Groups and 1,4-Phenylenediacryloyl Units in the Backbone. <i>Langmuir</i> , 2003, 19, 6039-6049.	3.5	28

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127	Property of diblock copolymer having extremely narrow molecular weight distribution. <i>Polymer</i> , 2008, 49, 2170-2175.	3.8	28
128	Effect of the Electrode Material on the Electrical-Switching Characteristics of Nonvolatile Memory Devices Based on Poly(4-aminophenylacetic acid) Thin Films. <i>IEEE Electron Device Letters</i> , 2008, 29, 694-697.	3.9	28
129	Zinc Glutarate Catalyzed Synthesis and Biodegradability of Poly(carbonate-co-ester)s from CO ₂ , Propylene Oxide, and ϵ -Caprolactone. <i>Macromolecular Symposia</i> , 2005, 224, 227-238.	0.7	27
130	Synthesis and characterization of conducting poly(aniline-co-o-aminophenethyl alcohol)s. <i>Journal of Polymer Science Part A</i> , 2002, 40, 983-994.	2.3	26
131	Synchrotron X-ray Scattering Study of the Mechanism of Nanopore Generation in Nanoporous Organosilicate Thin Films Imprinted with a Reactive Six-Armed Porogen. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15887-15895.	2.6	26
132	Digital memory behaviors of aromatic polyimides bearing bis(trifluoromethyl)- and bithiophenyl-triphenylamine units. <i>Polymer</i> , 2012, 53, 1703-1710.	3.8	26
133	Self-Assembly Characteristics of a Crystalline/Amorphous Diblock Copolymer in Nanoscale Thin Films. <i>Macromolecules</i> , 2013, 46, 8235-8244.	4.8	26
134	Tunable Film Morphologies of Brush/Linear Diblock Copolymer Bearing Difluorene Moieties Yield a Variety of Digital Memory Properties. <i>ACS Macro Letters</i> , 2013, 2, 555-560.	4.8	26
135	Alignment behavior of liquid-crystals on thin films of photosensitive polymers. <i>Synthetic Metals</i> , 2001, 117, 273-275.	3.9	25
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