

# Moonhor Ree

## List of Publications by Year in descending order

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251  
papers

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docs citations

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times ranked

12151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic-organic nanocomposite networks: Structure, curing reaction, properties, and hard coating performance. <i>Composites Science and Technology</i> , 2022, 218, 109112.	3.8	6
2	Surface hardness and abrasion resistance natures of thermoplastic polymer covers and windows and their enhancements with curable tetraacrylate coating. <i>Polymer</i> , 2022, 239, 124419.	1.8	3
3	A comprehensive small angle X-ray scattering analysis on morphological structure of semicrystalline linear polymer in bulk state. <i>Polymer</i> , 2022, 243, 124610.	1.8	2
4	Pneumolysin/Plasma Protein Adsorption, Bacterial Adherence, and Cell Adhesion Characteristics of a Cell-Membrane-Mimicking Polymer System. <i>ACS Applied Bio Materials</i> , 2022, 5, 2240-2252.	2.3	2
5	Morphological structure details, size distributions and magnetic properties of iron oxide nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 95, 37-50.	2.9	11
6	Molecular weight effect on the structural detail and chain characteristics of 33-armed star polystyrene. <i>Polymer</i> , 2021, 212, 123304.	1.8	7
7	Newly Found Digital Memory Characteristics of Pyrrolidone and Succinimide Based Polymers. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2100186.	2.0	3
8	<i>n</i> -Type Digital Memory Characteristics of Diketopyrrolopyrrole-Based Narrow Bandgap Polymers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27479-27488.	1.5	3
9	Seventeen-Armed Star Polystyrenes in Various Molecular Weights: Structural Details and Chain Characteristics. <i>Polymers</i> , 2020, 12, 1894.	2.0	3
10	Melt density, equilibrium melting temperature, and crystallization characteristics of highly pure cyclic poly( $\mu$ -Caprolactone)s. <i>Polymer</i> , 2020, 207, 122899.	1.8	10
11	Morphology details and size distribution characteristics of single-pot-synthesized silica nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 212-221.	2.9	3
12	Cyclic topology effects on the morphology of biocompatible and environment-friendly poly( $\mu$ -caprolactone) under nanoscale film confinement. <i>Polymer Chemistry</i> , 2020, 11, 4630-4638.	1.9	8
13	Quantitative Structural Analysis of Polystyrene Nanoparticles Using Synchrotron X-ray Scattering and Dynamic Light Scattering. <i>Polymers</i> , 2020, 12, 477.	2.0	6
14	Macromolecular [2]Rotaxanes Linked with Polystyrene: Properties and Nanoscale Film Morphologies. <i>Macromolecules</i> , 2019, 52, 5325-5336.	2.2	7
15	Phase Transition Behaviors and Nanoscale Film Morphologies of Poly( $\epsilon$ -valerolactone) Axles Bearing Movable and Fixed Rotaxane Wheels. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900334.	2.0	3
16	<i>Bacillus licheniformis</i> $\alpha$ -amylase: Structural feature in a biomimetic solution and structural changes in extrinsic conditions. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 286-296.	3.6	12
17	Effects of electron donating and accepting moieties on electrical memory behaviors of polymers. <i>Polymer</i> , 2019, 178, 121584.	1.8	7
18	Nanoscale film morphology and property characteristics of dielectric polymers bearing monomeric and dimeric adamantane units. <i>Polymer</i> , 2019, 169, 225-233.	1.8	12

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19	Nanoscale Film Morphology and n-Type Digital Memory Characteristics of $\pi$ -Conjugated Donor-Acceptor Alternating Copolymer Based on Thiophene and Thiadiazole Units. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900005.	2.0	4
20	Synthesis, Thermal Properties, and Morphologies of Amphiphilic Brush Block Copolymers with Tacticity-Controlled Polyether Main Chain. <i>Macromolecules</i> , 2018, 51, 2939-2950.	2.2	10
21	Pronounced Side Chain Effects in Triple Bond-Conjugated Polymers Containing Naphthalene Diimides for n-Channel Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12921-12929.	4.0	20
22	A Comparative Study of Dynamic Light and X-Ray Scatterings on Micelles of Topological Polymer Amphiphiles. <i>Polymers</i> , 2018, 10, 1347.	2.0	20
23	Digital Memory Characteristics of Aromatic Polyimides Based on Pyridine and Its Derivatives. <i>ACS Omega</i> , 2018, 3, 13036-13044.	1.6	11
24	Structural Characteristics of Pneumolysin and Its Domains in a Biomimetic Solution. <i>ACS Omega</i> , 2018, 3, 9453-9461.	1.6	4
25	Precise Synthesis, Properties, and Structures of Cyclic Poly( $\mu$ -caprolactone)s. <i>Polymers</i> , 2018, 10, 577.	2.0	23
26	2,2-Bis(1,3,4-thiadiazole)-Based $\pi$ -Conjugated Copolymers for Organic Photovoltaics with Exceeding 8% and Its Molecular Weight Dependence of Device Performance. <i>Macromolecules</i> , 2017, 50, 891-899.	2.2	32
27	New high performance digital memory devices fabricated with DNA and DNA-mimics. <i>Materials Horizons</i> , 2017, 4, 423-430.	6.4	8
28	Self-assembling characteristics of amphiphilic zwitterionic brush random copolymers at the air-water interface. <i>RSC Advances</i> , 2017, 7, 11813-11820.	1.7	4
29	New photopatternable polyimide and programmable nonvolatile memory performances. <i>NPG Asia Materials</i> , 2017, 9, e374-e374.	3.8	5
30	Self-Assembling Brush Polymers Bearing Multisaccharides. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700013.	2.0	6
31	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.	3.8	36
32	Well-Defined Biomimicking Brush-Polymer Self-Assemblies Revealing Cholesterol- and Phosphorylcholine-Enriched Surface. <i>Macromolecules</i> , 2017, 50, 6489-6500.	2.2	7
33	Synchrotron X-ray scattering and photon correlation spectroscopy studies on thin film morphology details and structural changes of an amorphous-crystalline brush diblock copolymer. <i>Polymer</i> , 2016, 105, 472-486.	1.8	5
34	>10% Efficiency Polymer:Fullerene Solar Cells with Polyacetylene-Based Polyelectrolyte Interlayers. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600415.	1.9	35
35	Structural details and digital memory performances of difluorene-containing diblock copolymers in nanoscale thin films. <i>European Polymer Journal</i> , 2016, 81, 582-597.	2.6	4
36	Finely tuned digital memory modes and performances in diblock copolymer devices by well-defined lamellar structure formation and orientation control. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2017-2027.	2.7	12

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37	Self-Assembly-Assisted Biomolecule-Enriched Surface and High Selectivity Performance of Simple Solution-Coatable Biomimicking Brush Copolymers. <i>Biomacromolecules</i> , 2016, 17, 974-984.	2.6	2
38	Hierarchical Self-Assembly and Digital Memory Characteristics of Crystalline-Amorphous Brush Diblock Copolymers Bearing Electroactive Moieties. <i>Macromolecules</i> , 2016, 49, 1369-1382.	2.2	20
39	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.	2.6	32
40	Synthesis, physicochemical characteristics, and biocompatibility of self-assemble polymers bearing guanine, cytosine, uracil, and thymine moieties. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1151-1160.	2.5	6
41	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.	3.8	40
42	Well-defined hollow nanochanneled-silica nanospheres prepared with the aid of sacrificial copolymer nanospheres and surfactant nanocylinders. <i>Nanoscale</i> , 2015, 7, 14774-14785.	2.8	18
43	Complex Thin Film Morphologies of Poly(n-hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (isocyanate)(5k,10k) Macromolecules, 2015, 48, 5816-5833.	2.2	16
44	Structural reliability evaluation of low-k nanoporous dielectric interlayers integrated into microelectronic devices. <i>RSC Advances</i> , 2015, 5, 87084-87089.	1.7	6
45	Self-assembly behaviours of a lipid-mimic brush polymer in thin films and at air-water interface. <i>Polymer</i> , 2015, 78, 161-172.	1.8	3
46	Probing the Self-Assembled Nanostructures of Functional Polymers with Synchrotron Grazing Incidence X-Ray Scattering. <i>Macromolecular Rapid Communications</i> , 2014, 35, 930-959.	2.0	34
47	New Fullerene-Based Polymers and Their Electrical Memory Characteristics. <i>Macromolecules</i> , 2014, 47, 8154-8163.	2.2	35
48	Clues to the Electrical Switching Mechanism of Carbazole-Containing Polyimide Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21692-21701.	4.0	21
49	Precise synthesis of a rod-coil type miktoarm star copolymer containing poly(n-hexyl isocyanate) and aliphatic polyester. <i>Polymer Chemistry</i> , 2014, 5, 588-599.	1.9	18
50	A study of the feasibility of single molecule scattering analysis with X-ray free electron lasers. <i>Macromolecular Research</i> , 2014, 22, 8-18.	1.0	3
51	Hierarchical Structures in Thin Films of Miktoarm Star Polymers: Poly(n-hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182	2.2	32
52	Self-assembly of novel lipid-mimicking brush polymers in nanoscale thin films. <i>Soft Matter</i> , 2014, 10, 701-708.	1.2	7
53	Cooperative and selective self-assembly behaviors of diblock copolypeptides in nanoscale thin films. <i>Polymer Chemistry</i> , 2014, 5, 1912-1922.	1.9	8
54	Digital Memory Versatility of Fully -Conjugated Donor-Acceptor Hybrid Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8415-8425.	4.0	50

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55	Nanostructure- and Orientation-Controlled Digital Memory Behaviors of Linear-Brush Diblock Copolymers in Nanoscale Thin Films. <i>Macromolecules</i> , 2014, 47, 4397-4407.	2.2	21
56	Time-resolved synchrotron X-ray scattering studies on crystallization behaviors of poly(ethylene terephthalate) thin films. <i>Macromolecules</i> , 2014, 47, 194-202.	1.0	3
57	Structural Characteristics of Amphiphilic Cyclic and Linear Block Copolymer Micelles in Aqueous Solutions. <i>ACS Macro Letters</i> , 2014, 3, 233-239.	2.3	57
58	High-Performance Channel Thin-Film Field-Effect Transistors Based on a Nanowire-Forming Polymer. <i>Advanced Functional Materials</i> , 2013, 23, 2060-2071.	7.8	44
59	Self-Assembly Characteristics of a Crystalline-Amorphous Diblock Copolymer in Nanoscale Thin Films. <i>Macromolecules</i> , 2013, 46, 8235-8244.	2.2	26
60	Molecular aggregation-performance relationship in the design of novel cyclohexylethynyl end-capped quaterthiophenes for solution-processed organic transistors. <i>Dyes and Pigments</i> , 2013, 96, 756-762.	2.0	21
61	Complex Self-Assembled Morphologies of Thin Films of an Asymmetric A <sub>3</sub> B <sub>3</sub> C <sub>3</sub> Star Polymer. <i>ACS Macro Letters</i> , 2013, 2, 849-855.	2.3	31
62	Polymer electrolyte membrane based on polyacrylate with phosphonic acid via long alkyl side chains. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1457-1464.	5.2	17
63	New self-assembled brush glycopolymers: synthesis, structure and properties. <i>Polymer Chemistry</i> , 2013, 4, 2260.	1.9	14
64	Physical mixtures of small-molecule and polymeric organic semiconductors: comparing thermodynamic behavior and thin-film structure. <i>Journal of Materials Chemistry C</i> , 2013, 1, 778-785.	2.7	11
65	Programmable digital polymer memories. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 79-87.	3.8	21
66	Comprehensive synchrotron grazing-incidence X-ray scattering analysis of nanostructures in porous polymethylsilsesquioxane dielectric thin films. <i>Journal of Applied Crystallography</i> , 2013, 46, 466-475.	1.9	15
67	Tunable electrical memory characteristics of brush copolymers bearing electron donor and acceptor moieties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4858.	2.7	30
68	Liquid crystal alignment in advanced flat-panel liquid crystal displays. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 71-78.	3.8	23
69	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.	2.3	26
70	Organic nonvolatile memory transistors with self-doped polymer energy well structures. <i>NPG Asia Materials</i> , 2013, 5, e33-e33.	3.8	29
71	Reversible conformation-driven order-order transition of peptide-mimic poly(n-alkyl isocyanate) in thin films via selective solvent-annealing. <i>NPG Asia Materials</i> , 2012, 4, e29-e29.	3.8	29
72	Electrically permanent memory characteristics of an ionic conjugated polymer. <i>Polymer Chemistry</i> , 2012, 3, 2028.	1.9	56

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73	Bacterial adherence on self-assembled films of brush polymers bearing zwitterionic sulfobetaine moieties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19418.	6.7	18
74	Effects of Side-Chain Interdigitation on Stability: An Environmentally, Electrically, and Thermally Stable Semiconducting Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 702-706.	4.0	14
75	Various Digital Memory Behaviors of Functional Aromatic Polyimides Based on Electron Donor and Acceptor Substituted Triphenylamines. <i>Macromolecules</i> , 2012, 45, 3749-3758.	2.2	73
76	Morphology-Driven High-Performance Polymeric Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4758-4763.	4.0	17
77	Electrically bistable digital memory behaviors of thin films of polyimides based on conjugated bis(triphenylamine) derivatives. <i>Polymer</i> , 2012, 53, 4135-4144.	1.8	37
78	Biaxially extended quaterthiophene-thiophene and -selenophene conjugated polymers for optoelectronic device applications. <i>Polymer Chemistry</i> , 2012, 3, 767.	1.9	36
79	High-Performance Triisopropylsilylethynyl Pentacene Transistors via Spin Coating with a Crystallization-Assisting Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 117-122.	4.0	49
80	Programmable digital nonvolatile memory behaviors of donor-acceptor polyimides bearing triphenylamine derivatives: effects of substituents. <i>Polymer Chemistry</i> , 2012, 3, 1276.	1.9	51
81	Organic phototransistors based on solution grown, ordered single crystalline arrays of a $\pi$ -conjugated molecule. <i>Journal of Materials Chemistry</i> , 2012, 22, 3192.	6.7	70
82	Electrical phase transition of poly(4,4'-aminotriphenylene hexafluoroisopropylidenedipthalimide) by photogenerated charged carrier injection. <i>Applied Physics Letters</i> , 2012, 100, 053306.	1.5	2
83	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.	7.8	43
84	Biocompatible characteristics of sulfobetaine-containing brush polymers. <i>Macromolecular Research</i> , 2012, 20, 746-753.	1.0	15
85	Digital memory behaviors of aromatic polyimides bearing bis(trifluoromethyl)- and bithiophenyl-triphenylamine units. <i>Polymer</i> , 2012, 53, 1703-1710.	1.8	26
86	Programmable Bipolar and Unipolar Nonvolatile Memory Devices Based on Poly(2-(N-carbazolyl)ethyl methacrylate) End-Capped with Fullerene. <i>Advanced Materials</i> , 2012, 24, 1062-1066.	11.1	80
87	Molecular Layer-by-Layer Self-Assembly and Mercury Sensing Characteristics of Novel Brush Polymers Bearing Thymine Moieties. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2655-2664.	4.0	15
88	Electrical Memory Characteristics of Nitrogen-Linked Poly(2,7-carbazole)s. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21954-21962.	1.5	33
89	High Temperature Polyimide Containing Anthracene Moiety and Its Structure, Interface, and Nonvolatile Memory Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 765-773.	4.0	73
90	Synthesis and Characterization of Polythiophenes Bearing Aromatic Groups at the 3-Position. <i>Macromolecules</i> , 2011, 44, 719-727.	2.2	22

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91	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.	1.5	41
92	Well-Defined DNA-Mimic Brush Polymers Bearing Adenine Moieties: Synthesis, Layer-by-Layer Self-Assembly, and Biocompatibility. <i>Biomacromolecules</i> , 2011, 12, 2822-2833.	2.6	24
93	Structural characterization of the Fddd phase in a diblock copolymer thin film by electron microtomography. <i>Soft Matter</i> , 2011, 7, 10424.	1.2	21
94	pH-Dependent Structures of Ferritin and Apoferritin in Solution: Disassembly and Reassembly. <i>Biomacromolecules</i> , 2011, 12, 1629-1640.	2.6	252
95	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.	1.5	69
96	Synthesis and characterization of block copolythiophene with hexyl and triethylene glycol side chains. <i>Polymer</i> , 2011, 52, 3687-3695.	1.8	37
97	Artificial Cell Membraneâ€Mimicking Nanostructure Facilitates Efficient Gene Delivery through Fusogenic Interaction with the Plasma Membrane of Living Cells. <i>Small</i> , 2011, 7, 2991-2997.	5.2	22
98	Gene Delivery: Artificial Cell Membrane-Mimicking Nanostructure Facilitates Efficient Gene Delivery through Fusogenic Interaction with the Plasma Membrane of Living Cells ( <i>Small</i> 21/2011). <i>Small</i> , 2011, 7, 2990-2990.	5.2	0
99	Improved Performance of Polymer:Polymer Solar Cells by Doping Electronâ€Accepting Polymers with an Organosulfonic Acid. <i>Advanced Functional Materials</i> , 2011, 21, 4527-4534.	7.8	41
100	Synthesis and nonvolatile memory characteristics of thermally, dimensionally and chemically stable polyimides. <i>Polymer</i> , 2011, 52, 2170-2179.	1.8	50
101	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene: fullerene solar cells. , 2010, , 63-69.		6
102	The biocompatibility of mesoporous inorganicâ€organic hybrid resin films with ionic and hydrophilic characteristics. <i>Biomaterials</i> , 2010, 31, 2517-2525.	5.7	38
103	The biocompatibility of self-assembled brush polymers bearing glycine derivatives. <i>Biomaterials</i> , 2010, 31, 3816-3826.	5.7	19
104	Abrupt Morphology Change upon Thermal Annealing in Poly(3â€Hexylthiophene)/Soluble Fullerene Blend Films for Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2010, 20, 748-754.	7.8	103
105	Composition-dependent phase segregation and cocrystallization behaviors of blends of metallocene-catalyzed octene-LLDPE(D) and LDPE(H). <i>Polymer</i> , 2010, 51, 5799-5806.	1.8	19
106	Synthesis of block copolymers consisting of poly(3-hexylthiophene) and polystyrene segments through ionic interaction and their self-assembly behavior. <i>Polymer Journal</i> , 2010, 42, 43-50.	1.3	23
107	Liquid-crystal periodic zigzags from geometrical and surface-anchoring-induced confinement: Origin and internal structure from mesoscopic scale to molecular level. <i>Physical Review E</i> , 2010, 82, 041705.	0.8	21
108	Synchrotron X-ray Scattering Characterization of the Molecular Structures of Star Polystyrenes with Varying Numbers of Arms. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6247-6257.	1.2	16

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109	Effect of C60 Fullerene on the Duplex Formation of i-Motif DNA with Complementary DNA in Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4783-4788.	1.2	23
110	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.	1.2	33
111	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.	2.2	139
112	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.	2.2	66
113	Direct Observation of Interfacial Morphology in Poly(3-hexylthiophene) Transistors: Relationship between Grain Boundary and Field-Effect Mobility. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 48-53.	4.0	37
114	Electrical Memory Characteristics of a Nondoped $\pi$ -Conjugated Polymer Bearing Carbazole Moieties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10294-10301.	1.2	52
115	Hierarchical Structure in Nanoscale Thin Films of a Poly(styrene- <i>b</i> -methacrylate grafted with) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	51
116	Surface-independent vertical orientation of cylindrical microdomains in block copolymer thin films directed by comb-coil architecture. <i>Journal of Materials Chemistry</i> , 2010, 20, 94-102.	6.7	16
117	Synchrotron Radiation Facilities in Korea: Pohang Light Source and Future XFEL Project. <i>Synchrotron Radiation News</i> , 2009, 22, 4-12.	0.2	12
118	Programmable digital memory devices based on nanoscale thin films of a thermally dimensionally stable polyimide. <i>Nanotechnology</i> , 2009, 20, 135204.	1.3	88
119	Programmable Digital Memory Characteristics of Nanoscale Thin Films of a Fully Conjugated Polymer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3855-3861.	1.5	80
120	Novel Brush Polymers with Phosphorylcholine Bristle Ends: Synthesis, Structure, Properties, and Biocompatibility. <i>Advanced Functional Materials</i> , 2009, 19, 1631-1644.	7.8	61
121	Fullerene Attachment Enhances Performance of a DNA Nanomachine. <i>Advanced Materials</i> , 2009, 21, 1907-1910.	11.1	48
122	DNA Hybrid Nanomachines: Fullerene Attachment Enhances Performance of a DNA Nanomachine (Adv.) Tj ETQq0 0,0 rgBT /Overlock 10	11.1	8
123	The alignment of liquid crystals on the film surfaces of soluble aromatic polyimides bearing <i>t</i> -butylphenyl and trimethylsilylphenyl side groups. <i>Macromolecular Research</i> , 2009, 17, 976-986.	1.0	6
124	Small-angle neutron scattering study of the miscibility of metallocene-catalyzed octene linear low-density polyethylene and low-density polyethylene blends. <i>Journal of Applied Crystallography</i> , 2009, 42, 161-168.	1.9	11
125	Hierarchical Self-Assembled Structures from POSS-Containing Block Copolymers Synthesized by Living Anionic Polymerization. <i>Macromolecules</i> , 2009, 42, 8835-8843.	2.2	163
126	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.	3.2	62



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127	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.	1.2	83
128	pH-Dependent Structures of an i-Motif DNA in Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1852-1856.	1.2	64
129	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.	2.2	58
130	Programmable Permanent Data Storage Characteristics of Nanoscale Thin Films of a Thermally Stable Aromatic Polyimide. <i>Langmuir</i> , 2009, 25, 11713-11719.	1.6	101
131	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
132	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.	1.0	50
133	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.	1.0	69
134	X-ray scattering studies on molecular structures of star and dendritic polymers. <i>Macromolecular Research</i> , 2008, 16, 686-694.	1.0	19
135	Solution structures of RseA and its complex with RseB. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 219-222.	1.0	18
136	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.	1.9	35
137	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.	7.8	222
138	Novel Rewritable, Non-volatile Memory Devices Based on Thermally and Dimensionally Stable Polyimide Thin Films. <i>Advanced Functional Materials</i> , 2008, 18, 3276-3282.	7.8	167
139	High-Performance Programmable Memory Devices Based on Hyperbranched Copper Phthalocyanine Polymer Thin Films. <i>Advanced Materials</i> , 2008, 20, 1766-1771.	11.1	129
140	Property of diblock copolymer having extremely narrow molecular weight distribution. <i>Polymer</i> , 2008, 49, 2170-2175.	1.8	28
141	Structural characterization of carboxylated multi-walled carbon nanotubes. <i>Thin Solid Films</i> , 2008, 516, 5781-5784.	0.8	85
142	Structural Evolution in Microbial Polyesters. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4571-4582.	1.2	51
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