Masatoshi Tokita

List of Publications by Year
in descending order

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228	3,196	186265	276875
papers	citations	28 h-index	41 g-index

229	229	229	2230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanochromic cyclodextrins. Chemical Communications, 2022, 58, 3067-3070.	4.1	7
2	Effect of Smectic Layers on Thermal Diffusivity of Side-Chain Polymer Liquid Crystals. Macromolecules, 2022, 55, 1178-1184.	4.8	3
3	Alkylthio-based asymmetric liquid crystals: unravelling the substituent effects and intercalated cybotactic nematic and smectic phases. Materials Advances, 2022, 3, 3218-3228.	5.4	7
4	Changing the structural and physical properties of 3-arm star poly(Î´-valerolactone)s by a branch-point design. Chemical Communications, 2021, 57, 3901-3904.	4.1	9
5	Low-temperature graphitization of poly(acrylonitrile) densely grafted onto a silica core surface. Polymer, 2021, 225, 123768.	3.8	1
6	Microstructure Investigation of Polymer Electrolyte Fuel Cell Catalyst Layers Containing Perfluorosulfonated Ionomer. Membranes, 2021, 11, 466.	3.0	2
7	Persistent Water Repellency of Syndiotactic Polymethylene with Perfluoroethyl Hexyloxycarbonyl Side Chains. Macromolecular Rapid Communications, 2021, 42, e2100311.	3.9	3
8	Azimuthal anchoring coefficients of nematic liquid crystals on polystyrene brushes formed at the air surface of block copolymer monolayers. Liquid Crystals, 2020, 47, 1078-1085.	2.2	1
9	Birefringence and photoluminescence properties of diphenylacetylene-based liquid crystal dimers. New Journal of Chemistry, 2020, 44, 17531-17541.	2.8	17
10	Long-range lamellar formation in blends of divided-lamellar-forming liquid crystal block copolymers with liquid crystal homopolymers. Polymer, 2020, 211, 123086.	3.8	3
11	Deformation of Hierarchical Lamellar Structure Formed by a Liquid Crystalline Block Copolymer. Macromolecular Chemistry and Physics, 2020, 221, 2000042.	2.2	4
12	Two-dimensional (2D) small-angle X-ray scattering (SAXS) correlation spectroscopy for block copolymer consisting of microlamellar and liquid crystal (LC) structures. Journal of Molecular Structure, 2020, 1207, 127767.	3.6	4
13	Accelerated aging-induced variation of polypropylene (PP) structure studied by two-dimensional (2D) small-angle X-ray scattering (SAXS) correlation spectroscopy. Journal of Molecular Structure, 2020, 1207, 127764.	3.6	8
14	Influence of uniaxial orientation of fluorinated polymer/phosphonateâ€modified needleâ€like nanofiller composite by drawing. Polymer Composites, 2020, 41, 3062-3073.	4.6	7
15	Nonspherical Uniaxial Azobenzene Polymer Particles and Their Shape Changes under UV- or White-Light Irradiation for Stimuli-Response Applications. ACS Applied Polymer Materials, 2020, 2, 2485-2494.	4.4	8
16	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
17	Novel in-plane switching liquid crystal display with an extremely high transmittance using a well-designed bottlebrush as a zero-azimuth anchoring material. Japanese Journal of Applied Physics, 2019, 58, 066503.	1.5	14
18	Lamellar structures in blends of amorphousâ€“blockâ€“main-chain liquid crystalâ€“blockâ€“amorphous copolymers and amorphous homopolymers: Effects of the amorphous homopolymer molecular weight. Polymer, 2019, 178, 121555.	3.8	7

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19	Polar anchoring strengths of nematic liquid crystal on high-density polymer brush surfaces. Liquid Crystals, 2019, 46, 1881-1888.	2.2	2
20	A Correlation between Thermal Diffusivity and Long Period in Thermotropic Liquid Crystalline Polyesters. Macromolecules, 2019, 52, 9781-9785.	4.8	7
21	Uniaxial alignment of nematic liquid crystals filling vacant spaces in surface-treated nanofibre nonwoven. Liquid Crystals, 2019, 46, 1241-1245.	2.2	1
22	Transition of liquid crystal anchoring at the microdomain interface observed for main-chain nematic polyester segments of block copolymers. Polymer Journal, 2019, 51, 295-302.	2.7	1
23	Twist bend nematic liquid crystals prepared by one-step condensation of 4-(4-Pentylcyclohexyl) benzoic acid and alkyl diol. Liquid Crystals, 2018, 45, 924-930.	2.2	24
24	Microphaseâ€Separated Morphology and Liquid Crystal Orientation in Block Copolymers Comprising a Mainâ€Chain Liquid Crystalline Central Segment Connected to Sideâ€Chain Liquid Crystalline Segments at Both Ends. Macromolecular Chemistry and Physics, 2018, 219, 1700332.	2.2	6
25	Self-Assembly of Hierarchical Structures Using Cyclotriphosphazene-Containing Poly(substituted) Tj ETQq1 1 0.784314 rgBT /Overloc	4.8	22
26	Investigation of Drying Process of Catalyst Ink for Polymer Electrolyte Fuel Cells by Grazing-Incidence X-Ray Scattering. ECS Transactions, 2018, 86, 157-161.	0.5	3
27	Terminal Functionalization with a Triptycene Motif That Dramatically Changes the Structural and Physical Properties of an Amorphous Polymer. Journal of the American Chemical Society, 2018, 140, 13497-13502.	13.7	39
28	New fabrication approach to develop a high birefringence photo-crosslinked film based on a sulfur-containing liquid crystalline molecule with large temperature dependence of birefringence. Molecular Crystals and Liquid Crystals, 2018, 662, 197-207.	0.9	6
29	Effects of Polymer Characteristics and Liquid Crystallinity on Structures and Properties of Liquid Crystal Polymers. Journal of Fiber Science and Technology, 2018, 74, P-20-P-25.	0.0	0
30	Trial Manufacture of Nanofibers Made from a Main-Chain Liquid-Crystalline Elastomer Composed of Bibenzoate Mesogens. Journal of Fiber Science and Technology, 2018, 74, 89-94.	0.4	0
31	Smart Network Polymers with Bis(piperidyl)naphthalene Cross-Linkers: Selective Fluorescence Quenching and Photodegradation in the Presence of Trichloromethyl-Containing Chloroalkanes. Macromolecules, 2017, 50, 3544-3556.	4.8	17
32	83â€1L: Lateâ€News Paper: Electroâ€optic Characteristics of OZâ€IPS LCD Utilizing an Applicationâ€Type, Zeroâ€Azimuth Anchoring Material. Digest of Technical Papers SID International Symposium, 2017, 48, 704-707.	0.3	2
33	An in-plane switching liquid crystal cell with weakly anchored liquid crystals on the electrode substrate. Journal of Materials Chemistry C, 2017, 5, 4384-4387.	5.5	14
34	Zero percolation threshold in electric conductivity of aluminum nanowire network fabricated by chemical etching using an electrospun nanofiber mask. Japanese Journal of Applied Physics, 2017, 56, 095002.	1.5	2
35	Time-Resolved Nanostructural Analysis of Catalyst Layer Formation Process by Synchrotron X-ray Scattering. ECS Transactions, 2017, 80, 269-273.	0.5	3
36	Internal Structure of Hydroxypropyl Cellulose Nanofibers Prepared by Electrospinning from Different Phases of Aqueous Solutions. Kobunshi Ronbunshu, 2016, 73, 354-360.	0.2	1

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37	Thermal diffusivity of side-chain-polymer smectic liquid crystals. Polymer, 2016, 106, 35-42.	3.8	11
38	Time-Resolved Nanostructural Analysis of Thin-Film Formation Process from Nafion Solution by Synchrotron X-Ray Scattering. ECS Transactions, 2016, 75, 637-642.	0.5	1
39	Extended Chain Lamella Formation Characteristics of Main-Chain Smectic Liquid Crystalline Copolyesters Comprising Different Length Units. Macromolecules, 2016, 49, 2718-2723.	4.8	7
40	Fully Liquid-Crystalline ABA Triblock Copolymer of Fluorinated Side-Chain Liquid-Crystalline A Block and Main-Chain Liquid-Crystalline B Block: Higher Order Structure in Bulk and Thin Film States. Macromolecules, 2016, 49, 6061-6074.	4.8	13
41	Twoâ€Đimensional Skyrmion Lattice Formation in a Nematic Liquid Crystal Consisting of Highly Bent Banana Molecules. Angewandte Chemie, 2016, 128, 11724-11728.	2.0	0
42	Twoâ€Đimensional Skyrmion Lattice Formation in a Nematic Liquid Crystal Consisting of Highly Bent Banana Molecules. Angewandte Chemie - International Edition, 2016, 55, 11552-11556.	13.8	9
43	Dimerization of Nematic Liquid Crystals for Enhancing Birefringence. Chemistry Letters, 2016, 45, 1297-1299.	1.3	2
44	Halogen Substitution Effects on the Molecular Packing and Thin Film Transistor Performances of Carbazoledioxazine Derivatives. Journal of Physical Chemistry C, 2016, 120, 26686-26694.	3.1	16
45	Recent Studies on Liquid Crystalline Polyesters : Applications to High Thermal Conductive Polymers and Liquid Crystalline Elastomers. Journal of Fiber Science and Technology, 2016, 72, P-343-P-344.	0.0	0
46	Phase separation and self-assembly of cyclic amphiphilic block copolymers with a main-chain liquid crystalline segment. Polymer Chemistry, 2015, 6, 4167-4176.	3.9	22
47	Oddâ€“even effect on viscoelastic properties of twin-dimer nematic liquid crystals. Liquid Crystals, 2015, 42, 463-472.	2.2	16
48	Nematic liquid crystal anchoring strengths of high density polymer brush surfaces. Liquid Crystals, 2015, 42, 181-188.	2.2	11
49	Highly birefringent polymer films from the photo-crosslinking polymerisation of bistolane-based methacrylate monomers. Liquid Crystals, 2015, 42, 1419-1427.	2.2	18
50	Thermotropic Behavior of Syndiotactic Polymethylenes with Ï‰-[4-(trans-4-Pentylcyclohexyl)phenoxy]alkyloxycarbonyl Side Chains. Macromolecules, 2015, 48, 3653-3661.	4.8	26
51	Smectic Aâ€“hexagonal columnarâ€“B7 phase transition of acute-angle bent-core molecules. Journal of Materials Chemistry C, 2015, 3, 2266-2273.	5.5	13
52	Cholesteric films exhibiting expanded or split reflection bands prepared by atmospheric photopolymerisation of diacrylic nematic monomer doped with a photoresponsive chiral dopant. Journal of Materials Chemistry C, 2015, 3, 3790-3795.	5.5	15
53	Transparent and high permittivity films of poly(methyl methacrylate)-grafted 7Ânm barium titanate particles prepared by surface-initiated atom transfer radical polymerization. Polymer, 2015, 81, 23-28.	3.8	9
54	Thermally Reversible Distortion Observed for Triblock Copolymers Comprising Main-Chain Liquid Crystal Polyesters Attached to Photo-Cross-Linked Cinnamate Segments at Both Ends. Macromolecules, 2015, 48, 8354-8360.	4.8	10

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55	Benzobisthiadiazole-based conjugated donorâ€“acceptor polymers for organic thin film transistors: effects of Ï€-conjugated bridges on ambipolar transport. Journal of Materials Chemistry C, 2015, 3, 1196-1207.	5.5	48
56	â€Face-Onâ€•Oriented ^|^pi;-Conjugated Polymers Containing 1,3,4-Thiadiazole Moiety Investigated with Synchrotron GIXS Measurements: Relationship between Morphology and PSC Performance. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 351-356.	0.3	2
57	Helical structures of N-methylated aromatic oligoamides: A density functional study. , 2014, , .		0
58	Bent Molecules with a 60Â° Central Core Angle that Form B7 and B2 Phases. Angewandte Chemie - International Edition, 2014, 53, 8216-8220.	13.8	9
59	Mainâ€chain smectic liquid crystalline polymer exhibiting unusually high thermal conductivity in an isotropic composite. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
60	Facile fabrication of transparent and conductive nanowire networks by wet chemical etching with an electrospun nanofiber mask template. Materials Letters, 2014, 115, 187-189.	2.6	54
61	Highly birefringent side-chain LC polymethacrylate with a dinaphthyl-acetylene mesogenic unit. Polymer Chemistry, 2014, 5, 2253-2258.	3.9	16
62	Alkylated cage silsesquioxanes: a comprehensive study of thermal properties and self-assembled structure. RSC Advances, 2014, 4, 34981-34986.	3.6	13
63	Cholesteric induction power of Î²-galactose derivatives. Liquid Crystals, 2014, 41, 234-238.	2.2	0
64	Alkylated Cage Silsesquioxane Forming a Long-Range Straight Ordered Hierarchical Lamellar Nanostructure. Langmuir, 2014, 30, 9797-9803.	3.5	19
65	Decrease in the isotropization temperature and enthalpy of main-chain polymer smectic liquid crystals as a result of the inclusion of chain ends. Polymer, 2014, 55, 2609-2613.	3.8	9
66	Self-Assembly of Flexibleâ€“Semiflexibleâ€“Flexible Triblock Copolymers. Macromolecules, 2014, 47, 4438-4444.	4.8	22
67	Influence of molecular orientation direction on the inâ€plane thermal conductivity of polymer/hexagonal boron nitride composites. Journal of Applied Polymer Science, 2014, 131, .	2.6	17
68	Micro-Phase Separated Structures of Block Copolymers Having a Semiflexible Liquid Crystalline Main-Chain Polyester Block. Kobunshi Ronbunshu, 2014, 71, 501-507.	0.2	0
69	Lamellar Morphology of an ABA Triblock Copolymer with a Mainâ€Chain Nematic Polyester Central Block. Macromolecular Chemistry and Physics, 2013, 214, 1089-1093.	2.2	8
70	High-density poly(hexyl methacrylate) brushes offering a surface for near-zero azimuthal anchoring of liquid crystals at room temperature. Journal of Materials Chemistry C, 2013, 1, 7992.	5.5	16
71	Thermotropic behavior of syndiotactic polymethylenes with alkyloxycarbonyl side chains. Polymer, 2013, 54, 995-998.	3.8	26
72	Macrocyclised pheynyl cinnamate dimer utilisable as photoresponsive chiral dopant for nematic liquid crystals. Liquid Crystals, 2013, 40, 900-905.	2.2	6

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73	Enlarged helical twisting power in chiral cyclic dimers based on conventional chiral alkyl diols. Liquid Crystals, 2013, 40, 339-344.	2.2	6
74	Biaxial and antiferroelectric structure of the orthogonal smectic phase of a bent-shaped molecule and helical structure in a chiral mixture system. Physical Review E, 2013, 87, 052501.	2.1	1
75	Thermal Diffusivity of Hexagonal Boron Nitride Composites Based on Cross-Linked Liquid Crystalline Polyimides. ACS Applied Materials & Interfaces, 2013, 5, 3417-3423.	8.0	23
76	Viscoelastic PS brush surface offering strong anchoring at low temperature and near-zero anchoring at high temperature for LC molecules. Liquid Crystals, 2013, 40, 221-227.	2.2	6
77	Influence of Smectic Liquid Crystallinity on Lamellar Microdomain Structure in a Mainâ€Chain Liquid Crystal Block Copolymer Fiber. Macromolecular Chemistry and Physics, 2013, 214, 2295-2300.	2.2	17
78	Well-Ordered Lamellar Microphase-Separated Morphology of an ABA Triblock Copolymer Containing a Main-Chain Liquid Crystalline Polyester as the Middle Segment 2: Influence of Amorphous Segment Molecular Weight. Macromolecules, 2012, 45, 9383-9390.	4.8	23
79	Banana-shaped molecular architecture: Formation of large columns composed of two concentrically enclosed layers. Journal of Materials Chemistry, 2012, 22, 21448.	6.7	9
80	Notable formation of a cubic phase from small bent-angle molecules based on the 1,7-naphthalene central core and alkylthio tails. Soft Matter, 2012, 8, 1916-1922.	2.7	43
81	Novel Behavior in Shear Flow Orientation of Side-Chain Polymethacrylate Nematic Liquid Crystals. Macromolecules, 2012, 45, 4857-4862.	4.8	6
82	Synthesis and Postfunctionalization of Rodâ€“Coil Diblock and Coilâ€“Rodâ€“Coil Triblock Copolymers Composed of Poly(3-hexylthiophene) and Poly(4-(4â€²-N,N-dihexylaminophenylethynyl)styrene) Segments. Macromolecules, 2012, 45, 9643-9656.	4.8	45
83	Formation of Regularly Spaced Wetting Ridges at 1 Î¼m Intervals on the Surface of a Liquid-Crystalline Polymer. Langmuir, 2012, 28, 14518-14521.	3.5	1
84	Identifying smectic I phase of main-chain PB-10 polyester consisting of 4,4â€²-biphenol and 1,10-dodecanoic acid by fibre X-ray diffraction. Polymer, 2012, 53, 5596-5599.	3.8	14
85	Structural and mechanical properties of Laponiteâ€“PEG hybrid films. Journal of Colloid and Interface Science, 2012, 369, 470-476.	9.4	26
86	A Report of Lecture Meeting of Strategic Research Committee for Nanofiber Technology, 2011. Journal of Fiber Science and Technology, 2012, 68, P.38-P.39.	0.0	0
87	Regular undulation and polarization modulation on the film surface of a planarly aligned SmC* polymer. Soft Matter, 2011, 7, 258-264.	2.7	0
88	Nematicâ€“nematic phase separation from uniform nematic domain in polymer LC and low-molecular-weight LC mixture showing network lattice formation in pinning stage. Soft Matter, 2011, 7, 6998.	2.7	2
89	Enhancement of the cholesteric induction power by macrocyclization in liquid crystal dimers with a chiral spacer. Journal of Materials Chemistry, 2011, 21, 1697-1699.	6.7	8
90	Switchable Columnar Phase Formed from Bent-Shaped Molecules with Low Bent-Angle Naphthalene Central Core and Alkylthio Tail. Molecular Crystals and Liquid Crystals, 2011, 549, 184-193.	0.9	5

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91	Well-Ordered Lamellar Microphase-Separated Morphology of an ABA Triblock Copolymer Containing a Main-Chain Liquid Crystalline Polyester as the Middle Segment. Macromolecules, 2011, 44, 4586-4588.	4.8	27
92	Helixâ€“helix transition of poly(Î²-phenylpropyl l-aspartate) embedded in stable helical poly(Î³-phenylethyl) Tj ETQq0 0 0 rgBT /Overlock	3.8	1
93	Unusual chain configuration of main-chain liquid crystal polyesters having Y-shaped mesogens in nematic phase. Polymer, 2011, 52, 5830-5835.	3.8	6
94	Synthesis and selfâ€assembly of thermotropic block copolymer with long alkyl tethered cage silsesquioxane in the side chain. Journal of Polymer Science Part A, 2011, 49, 2653-2664.	2.3	27
95	Twoâ€Step Smectic CA Phase Formation from Isotropic Liquid upon Supercooling in Mainâ€Chain Liquidâ€Crystalline BBâ€5(1â€Me) Polyester. Macromolecular Chemistry and Physics, 2011, 212, 48-54.	2.2	7
96	Calamitic Smectic Aâ€“Polar Smectic APATransition Observed in Bent Molecules with Large Bent-Angle Central Core of 4,6-Dichlorobenzene and Alkylthio Terminal Tail. Japanese Journal of Applied Physics, 2011, 50, 071602.	1.5	1
97	High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. Japanese Journal of Applied Physics, 2011, 50, 071701.	1.5	10
98	Calamitic Smectic Aâ€“Polar Smectic AP_ATransition Observed in Bent Molecules with Large Bent-Angle Central Core of 4,6-Dichlorobenzene and Alkylthio Terminal Tail. Japanese Journal of Applied Physics, 2011, 50, 071602.	1.5	2
99	High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. Japanese Journal of Applied Physics, 2011, 50, 071701.	1.5	9
100	Hyperpolarizability of an Aromatic Polyester. Kobunshi Ronbunshu, 2010, 67, 209-213.	0.2	0
101	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. Macromolecular Rapid Communications, 2010, 31, 1641-1645.	3.9	36
102	Impregnation of Niâ€“P metal into polymer substrate via catalyzation in Sc-CO2 and electroless plating in Sc-CO2 emulsion. Surface and Coatings Technology, 2010, 204, 1785-1792.	4.8	9
103	Formation of a homochiral antiferroelectric ground state in asymmetric bent-shaped molecules. Liquid Crystals, 2010, 37, 593-598.	2.2	8
104	Unusual Formation of Switchable Hexagonal Columnar Phase by Bent-Shaped Molecules with Low Bent-Angle Naphthalene Central Core and Alkylthio Tail. Japanese Journal of Applied Physics, 2010, 49, 121701.	1.5	32
105	Antiferroelectric Switching between Optically Isotropic and Birefringent B2 Phases of Bent-Shaped Molecules with High Tilt Angle of 45Â°. Japanese Journal of Applied Physics, 2010, 49, 080209.	1.5	2
106	Unique Reflection Property Due to Bumpy Multilayer Structure in Elytra ofRhomborrhina unicolor. Japanese Journal of Applied Physics, 2010, 49, 047201.	1.5	3
107	Flexible, Transparent Nanocomposite Film with a Large Clay Component and Ordered Structure Obtained by a Simple Solution-Casting Method. Langmuir, 2010, 26, 12493-12495.	3.5	58
108	Unusual Swelling of HPC in Toluene Forming a Microspherical Domain Structure that Causes Christiansen Scattering Coloration. Langmuir, 2010, 26, 1743-1746.	3.5	8

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109	Electric-field-induced transition between ferro- and antiferroelectric ground states observed in the B7 phase of a bent-shaped molecule with alkylthio tails. Journal of Materials Chemistry, 2010, 20, 3615.	6.7	7
110	Spontaneous Formation of Polar Liquid Crystal in Lyotropic Solution of Helical Poly(Î³-Benzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	6.9	5
111	Influence of DC Electric Field on Soft Mode of Main-Chain Ferroelectric Liquid-Crystalline Polyesters: Polymeric Effect on Collective Fluctuation. Applied Physics Express, 2010, 3, 011701.	2.4	1
112	Atomic Force Microscope Observation of Nano-Ordered Undulation Structure Formed by Bent-Shaped Molecules. Japanese Journal of Applied Physics, 2009, 48, 030215.	1.5	4
113	Synthesis and chemical properties of dielectric polyphenylenes with nitro group. Journal of Applied Polymer Science, 2009, 111, 2426-2435.	2.6	3
114	Double liquid crystalline side-chain type block copolymers for hierarchically ordered nanostructures: Synthesis and morphologies in the bulk and thin film. Reactive and Functional Polymers, 2009, 69, 519-529.	4.1	29
115	Parallel-Layer Orientation and Its Instability in Side-Chain Polymer Smectic Liquid Crystals under Shear Flow. Macromolecules, 2009, 42, 8406-8410.	4.8	5
116	Difference in Steady Shear Flow Viscosity between Polar and Nonpolar Nematic Liquid Crystals in Aromatic Polyesters Derived from VECTRA. Macromolecules, 2009, 42, 3179-3185.	4.8	4
117	Regular Formation of Chain Folding in Smectic Phase of Main-Chain BB-3(2-Ph) Polymer Followed by Columnar Association of Phenyl Side Group in Propane Spacer. Macromolecules, 2009, 42, 2557-2562.	4.8	6
118	Regular Network Pattern Evolution Observed in Phase Separation in Low-Molecular-Weight LC and LC Block Copolymer Mixture. Macromolecules, 2009, 42, 5442-5445.	4.8	7
119	Entropically-Driven Formation of Smectic A1, A2, and A3 phases in Binary Mixtures of Rigid-Rod Helical Polysilanes with Different Molecular Weights. Macromolecules, 2009, 42, 3443-3447.	4.8	21
120	Unusual Transformation of the Mechanically Induced Monodomain State to the Polydomain One in Polar Nematic Liquid Crystals of Aromatic Polyesters. Journal of Physical Chemistry B, 2009, 113, 5341-5344.	2.6	6
121	Synthesis of macrocyclised dimetric compounds and their liquid crystal transition behaviours. Liquid Crystals, 2009, 36, 1443-1450.	2.2	11
122	Structural characteristics of the B6 phase for a bent-core molecular system observed through the B1-B6 transition. Physical Review E, 2009, 80, 042703.	2.1	10
123	Formation of banana phases in bent-shaped molecules with unusual bent angles as low as 60Â°. Journal of Materials Chemistry, 2009, 19, 4517.	6.7	42
124	Spontaneous deformation of main-chain liquid-crystalline elastomers composed of smectic polyesters. Liquid Crystals, 2009, 36, 115-122.	2.2	12
125	Effect of Alkylthio Tail on Phase Behaviors of Bent-shaped Molecules Based on Naphthalene Core. Chemistry Letters, 2009, 38, 424-425.	1.3	28
126	Mesomorphic Properties in Asymmetric Bent-shaped Molecules with Different Linkage Moieties as Side Wings. Chemistry Letters, 2009, 38, 852-853.	1.3	2

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127	Control of Phase Separated Nano-Structure in Block Copolymers by Liquid Crystalline Fields. Journal of Fiber Science and Technology, 2009, 65, P.277-P.281.	0.0	0
128	Side chain liquid crystal poly(fumarate)s bearing tolaneâ€based mesogens. Journal of Polymer Science Part A, 2008, 46, 5101-5114.	2.3	11
129	Thermoreversible Contraction and Extension of Layer Spacing in Smectic Phase of Side Chain Liquid Crystal Poly(fumarate)s. Macromolecular Rapid Communications, 2008, 29, 1593-1597.	3.9	7
130	Elongation Behavior of a Main-Chain Smectic Liquid Crystalline Elastomer. Macromolecules, 2008, 41, 7566-7570.	4.8	50
131	Two-fold Helical Inversion in the Chiral SmC Phase of Optically Active Materials Derived from (R)-(+)-1-(1-Phenyl)ethylamine. Journal of Physical Chemistry B, 2008, 112, 15521-15524.	2.6	6
132	Chiral Correlation between Low-Birefringent Phases with Twist Grain Boundary-like Helix and Highly Birefringent Phases with Layer Chirality as Elucidated from Circular Dichroism Observations. Journal of Physical Chemistry B, 2008, 112, 6762-6766.	2.6	8
133	Structural Characteristics of Thermotropic SmA Layer Phase Formed from Rigid-Rod Polysilanes. Macromolecules, 2008, 41, 7783-7786.	4.8	13
134	Regular Undulation Morphology Observed on Fracture and Film Surfaces of Chiral SC* Polymer. Macromolecules, 2008, 41, 5361-5364.	4.8	6
135	Phase Diagram for Solutions of Î±-Helical Poly(<scp>l</scp>-glutamate)s in m-Cresol Including Isotropic, Cholesteric, and Columnar Phases. Macromolecules, 2008, 41, 3727-3733.	4.8	11
136	Polar Nematic Phase in Lyotropic Solutions of Poly(Î³-benzyl glutamate) and Its Temperature Instability As Detected by SHG Measurement. Macromolecules, 2008, 41, 2755-2758.	4.8	13
137	Unusual Formation of Smectic A Structure in Cross-Linked Monodomain Elastomer of Main-Chain LC Polyester with 3-Methylpentane Spacer. Macromolecules, 2008, 41, 2671-2676.	4.8	28
138	Sequential Palladium-Catalyzed Coupling Reactions on Solid-Phase. ACS Combinatorial Science, 2008, 10, 135-141.	3.3	28
139	High Chiral Induction in Cholesteric Liquid Crystal of Aromatic Polyesters with Chiral Naphthyl Ethylamine Groups at Their Polymer Ends. Japanese Journal of Applied Physics, 2008, 47, 8479-8482.	1.5	4
140	Effect of Molecular Structure on Smectic Phase Structures in Two Homologues Series of Bent-Shaped Molecules with Asymmetric Central Naphthalene Core. Ferroelectrics, 2008, 365, 1-11.	0.6	12
141	Double Ordered Layers within Microphase-separated Lamellar Structure of Double Liquid Crystalline Side-chain Type Block Copolymer. Chemistry Letters, 2008, 37, 1174-1175.	1.3	7
142	Anti-ferroelectric Banana Phase in a Bent-shaped Molecule with a Low Bend Angle of 60Â°. Chemistry Letters, 2008, 37, 1230-1231.	1.3	16
143	Smectic A Formation by Twin Dimers Assuming U-shaped Conformation. Chemistry Letters, 2008, 37, 880-881.	1.3	16
144	Unexpected Phase Behaviors of Poly(fumarate)s Carrying Tolane-based Mesogenic Side Chains. Chemistry Letters, 2008, 37, 356-357.	1.3	9

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145	Mesomorphic Behavior of Bent-shaped Molecules with Non-aromatic Central Core Based on Bis(p-hydroxyphenyl)methane. Chemistry Letters, 2008, 37, 1134-1135.	1.3	2
146	Mesomorphic behaviour in bentâ€shaped molecules with side wings at different positions of a central naphthalene core. Liquid Crystals, 2007, 34, 935-943.	2.2	39
147	Transmission Electron Microscope Observation by Surface Replica Method for Layer Undulation in Solid X1Phase of Banana Molecule. Japanese Journal of Applied Physics, 2007, 46, 3518-3520.	1.5	3
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