

Masatoshi Tokita

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low-Birefringent, Chiral Banana Phase below Calamitic Nematic and/or Smectic C Phases in Oxadiazole Derivatives. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5205-5214.	2.6	102
2	Smectic liquid crystals in main-chain polymers. <i>Progress in Polymer Science</i> , 1997, 22, 1053-1087.	24.7	93
3	Self-Assembly of Liquid-Crystalline Polyamide Complexes through the Formation of Double Hydrogen Bonds between a 2,6-Bis(amino)pyridine Moiety and Benzoic Acids. <i>Macromolecules</i> , 1998, 31, 3551-3555.	4.8	67
4	Well-Defined Phase Sequence Including Cholesteric, Smectic A, and Columnar Phases Observed in a Thermotropic LC System of Simple Rigid-Rod Helical Polysilane. <i>Macromolecules</i> , 2002, 35, 4556-4559.	4.8	60
5	Flexible, Transparent Nanocomposite Film with a Large Clay Component and Ordered Structure Obtained by a Simple Solution-Casting Method. <i>Langmuir</i> , 2010, 26, 12493-12495.	3.5	58
6	Thermotropic Liquid Crystals of Polyesters Having a Mesogenic <i>p</i> -Bibenzoate Unit. 7. Chain Folding in the Smectic Phase of BB-6. <i>Macromolecules</i> , 1996, 29, 1345-1348.	4.8	56
7	Facile fabrication of transparent and conductive nanowire networks by wet chemical etching with an electrospun nanofiber mask template. <i>Materials Letters</i> , 2014, 115, 187-189.	2.6	54
8	Elongation Behavior of a Main-Chain Smectic Liquid Crystalline Elastomer. <i>Macromolecules</i> , 2008, 41, 7566-7570.	4.8	50
9	Benzobisthiadiazole-based conjugated donor-acceptor polymers for organic thin film transistors: effects of π -conjugated bridges on ambipolar transport. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1196-1207.	5.5	48
10	Synthesis and Postfunctionalization of Rod-Coil Diblock and Coil-Rod-Coil Triblock Copolymers Composed of Poly(3-hexylthiophene) and Poly(4-(4-hydroxyphenyl)styrene) Segments. <i>Macromolecules</i> , 2012, 45, 9643-9656.	4.8	45
11	Parallel and Perpendicular Orientations Observed in Shear Aligned SCALiquid Crystal of Main-Chain Polyester. <i>Macromolecules</i> , 2004, 37, 2527-2531.	4.8	44
12	A Novel Blue Light Emitting Diode Using Tris(2,3-methyl-8-hydroxyquinoline) Aluminum(III) as Emitter. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 6762-6763.	1.5	43
13	Notable formation of a cubic phase from small bent-angle molecules based on the 1,7-naphthalene central core and alkylthio tails. <i>Soft Matter</i> , 2012, 8, 1916-1922.	2.7	43
14	Thermotropic Liquid Crystals of Main-Chain Polyesters Having a Mesogenic 4,4'-Biphenyldicarboxylate Unit. 6. Chiral Mesophases of Polyesters with a (S)-2-Methylbutylene Spacer. <i>Macromolecules</i> , 1995, 28, 8073-8079.	4.8	42
15	Formation of banana phases in bent-shaped molecules with unusual bent angles as low as 60°. <i>Journal of Materials Chemistry</i> , 2009, 19, 4517.	6.7	42
16	Orientation of Microphase-Segregated Cylinders in Liquid Crystalline Diblock Copolymer by Magnetic Field. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L711-L714.	1.5	41
17	Mesomorphic behaviour in bent-shaped molecules with side wings at different positions of a central naphthalene core. <i>Liquid Crystals</i> , 2007, 34, 935-943.	2.2	39
18	Terminal Functionalization with a Triptycene Motif That Dramatically Changes the Structural and Physical Properties of an Amorphous Polymer. <i>Journal of the American Chemical Society</i> , 2018, 140, 13497-13502.	13.7	39

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19	Preliminary communication Thermotropic liquid crystals of polyesters having a mesogenic p,p'-bibenzoate unit X. Distinct orientation of molecules in a thin SmCA film stretched from isotropic melt, providing evidence for the biaxiality of the SmCA p. <i>Liquid Crystals</i> , 1998, 24, 477-480.	2.2	38
20	Several Interesting Fields Exploited through Understanding of Polymeric Effects on Liquid Crystals of Main-Chain Polyesters. <i>Polymer Journal</i> , 2006, 38, 611-638.	2.7	37
21	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1641-1645.	3.9	36
22	Thermotropic Liquid Crystals of Main-Chain Polyesters Having a Mesogenic 4,4'-Biphenyldicarboxylate Unit XI. Smectic Liquid Crystalline Glass. <i>Polymer Journal</i> , 1998, 30, 589-595.	2.7	35
23	Polar Structure in Polypeptide Cholesteric Liquid Crystals Evidenced from Observation of Second-Harmonic Generation Due To the Helicoidal Cavity Effect. <i>Macromolecules</i> , 1998, 31, 5937-5939.	4.8	33
24	Characteristic Shear-Flow Orientation in LC Block Copolymer Resulting from Compromise between Orientations of Microcylinder and LC Mesogen. <i>Macromolecules</i> , 2007, 40, 7276-7282.	4.8	33
25	Fluorescence Study on Intermolecular Interactions between Mesogenic Biphenyl Moieties of a Thermotropic Liquid-Crystalline Polyester (PB-10). <i>Macromolecules</i> , 1996, 29, 3485-3490.	4.8	32
26	Enhanced electron injection and electroluminescence in poly(N-vinyl carbazole) film doped with ammonium salt. <i>Synthetic Metals</i> , 2001, 123, 207-210.	3.9	32
27	Unusual Formation of Switchable Hexagonal Columnar Phase by Bent-Shaped Molecules with Low Bent-Angle Naphthalene Central Core and Alkylthio Tail. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 121701.	1.5	32
28	Unusual Nematic Liquid Crystal with PolarCsSymmetry Formed from Aromatic Polyesters with Head-Tail Character. <i>Macromolecules</i> , 2007, 40, 2524-2531.	4.8	30
29	Double liquid crystalline side-chain type block copolymers for hierarchically ordered nanostructures: Synthesis and morphologies in the bulk and thin film. <i>Reactive and Functional Polymers</i> , 2009, 69, 519-529.	4.1	29
30	Fabrication of Hierarchically Ordered Hybrid Structures over Multiple Length Scales via Direct Etching of Self-Organized Polyhedral Oligomeric Silsesquioxane (POSS) Functionalized Block Copolymer Films. <i>Polymer Journal</i> , 2006, 38, 567-576.	2.7	28
31	Unusual Formation of Smectic A Structure in Cross-Linked Monodomain Elastomer of Main-Chain LC Polyester with 3-Methylpentane Spacer. <i>Macromolecules</i> , 2008, 41, 2671-2676.	4.8	28
32	Sequential Palladium-Catalyzed Coupling Reactions on Solid-Phase. <i>ACS Combinatorial Science</i> , 2008, 10, 135-141.	3.3	28
33	Effect of Alkylthio Tail on Phase Behaviors of Bent-shaped Molecules Based on Naphthalene Core. <i>Chemistry Letters</i> , 2009, 38, 424-425.	1.3	28
34	Preliminary communication Thermotropic liquid crystals in main chain polyesters having a mesogenic 4,4-biphenyldicarboxylate unit. 9. Chain folding in solid polyesters crystallized from smectic A. <i>Liquid Crystals</i> , 1997, 23, 453-456.	2.2	27
35	Well-Ordered Lamellar Microphase-Separated Morphology of an ABA Triblock Copolymer Containing a Main-Chain Liquid Crystalline Polyester as the Middle Segment. <i>Macromolecules</i> , 2011, 44, 4586-4588.	4.8	27
36	Synthesis and self-assembly of thermotropic block copolymer with long alkyl tethered cage silsesquioxane in the side chain. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2653-2664.	2.3	27

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37	Magnetic Potassium Clusters in a Nanographite Host System. <i>Physical Review Letters</i> , 2007, 98, 017203.	7.8	26
38	Structural and mechanical properties of Laponite-PEG hybrid films. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 470-476.	9.4	26
39	Thermotropic behavior of syndiotactic polymethylenes with alkyloxycarbonyl side chains. <i>Polymer</i> , 2013, 54, 995-998.	3.8	26
40	Thermotropic Behavior of Syndiotactic Polymethylenes with 4-(4- <i>trans</i> -4-Pentylcyclohexyl)phenoxy]alkyloxycarbonyl Side Chains. <i>Macromolecules</i> , 2015, 48, 3653-3661.	4.8	26
41	Relationship between Chemical Structure and Helical Twisting Power in Optically Active Imine Dopants Derived from (R)-(+)-1-(1-Naphthyl)ethylamine. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5208.	1.5	25
42	Thermotropic Liquid Crystals of Main-Chain Polyesters with a Mesogenic 4,4'-Biphenyldicarboxylate Unit XII. Unusual Molecular Orientation in Fibers Drawn from Smectic Melt. <i>Polymer Journal</i> , 1998, 30, 687-690.	2.7	24
43	Twist bend nematic liquid crystals prepared by one-step condensation of 4-(4-Pentylcyclohexyl) benzoic acid and alkyl diol. <i>Liquid Crystals</i> , 2018, 45, 924-930.	2.2	24
44	Chain-Folded Lamellar Structure in the Smectic H Phase of a Main-Chain Polyester. <i>Macromolecules</i> , 1998, 31, 8590-8594.	4.8	23
45	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. <i>Macromolecules</i> , 2012, 45, 9383-9390.	4.8	23
46	Thermal Diffusivity of Hexagonal Boron Nitride Composites Based on Cross-Linked Liquid Crystalline Polyimides. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3417-3423.	8.0	23
47	Rigid-Rod Polyesters with Flexible Side Chains IX. Phase Behavior Including Nematic, Layered, and Hexagonal Columnar Phases in Poly(p-biphenylene terephthalate) with Alkoxy Side Chains. <i>Polymer Journal</i> , 2002, 34, 291-297.	2.7	22
48	Self-Assembled Lamellar Nanostructures of Wholly Aromatic Rod-Rod-Type Block Molecules. <i>Organic Letters</i> , 2006, 8, 5453-5456.	4.6	22
49	Temperature-Induced Reversible Distortion along Director Axis Observed for Monodomain Nematic Elastomer of Cross-Linked Main-Chain Polyester. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1729-1733.	1.5	22
50	Self-Assembly of Flexible-Semiflexible-Flexible Triblock Copolymers. <i>Macromolecules</i> , 2014, 47, 4438-4444.	4.8	22
51	Phase separation and self-assembly of cyclic amphiphilic block copolymers with a main-chain liquid crystalline segment. <i>Polymer Chemistry</i> , 2015, 6, 4167-4176.	3.9	22
52	Self-Assembly of Hierarchical Structures Using Cyclotriphosphazene-Containing Poly(substituted) Tj ETQq0 0 0 rgBT (Overlock, 10 Tf 50	4.8	22
53	Entropically-Driven Formation of Smectic A1, A2, and A3 phases in Binary Mixtures of Rigid-Rod Helical Polysilanes with Different Molecular Weights. <i>Macromolecules</i> , 2009, 42, 3443-3447.	4.8	21
54	Study on Smectic Liquid Crystal Glass and Isotropic Liquid Glass Formed by Thermotropic Main-Chain Liquid Crystal Polyester. <i>Macromolecules</i> , 2004, 37, 9916-9921.	4.8	20

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55	Two Distinct Types of Orientation Process Observed in Uniaxially Elongated Smectic LC Melt. <i>Macromolecules</i> , 2005, 38, 7337-7342.	4.8	20
56	Magnetic Orientation of Microcylinders in Liquid Crystalline Diblock Copolymer and Clarification of Its Orientation Mechanism. <i>Polymer Journal</i> , 2007, 39, 155-162.	2.7	20
57	Preparation of gellan sulfate as an artificial ligand for removal of extra domain A containing fibronectin. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 381-385.	7.5	19
58	Thermotropic Liquid Crystals of Main-Chain Polyesters having a Mesogenic 4,4'-Biphenyldicarboxylate Unit. 14. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1051-1057.	2.2	19
59	Spontaneous Organization of Helical Polypeptide Molecules into Polar Packing Structure. <i>Macromolecules</i> , 2006, 39, 1313-1315.	4.8	19
60	Alkylated Cage Silsesquioxane Forming a Long-Range Straight Ordered Hierarchical Lamellar Nanostructure. <i>Langmuir</i> , 2014, 30, 9797-9803.	3.5	19
61	Thermotropic Liquid Crystals of Main-Chain Polyesters Having a Mesogenic 4,4'-Biphenyldicarboxylate Unit. 13. Characteristic Deformation of Smectic Layer Structure Induced by Elongation of Uniaxially Oriented Fiber Composed of Smectic CA Glass. <i>Macromolecules</i> , 2000, 33, 7420-7425.	4.8	18
62	Highly birefringent polymer films from the photo-crosslinking polymerisation of bistolane-based methacrylate monomers. <i>Liquid Crystals</i> , 2015, 42, 1419-1427.	2.2	18
63	Thermotropic liquid crystals of main-chain polyesters having a mesogenic 4,4'-biphenyldicarboxylate unit. 8. X-ray analyses of structural change on SA to SC transition. <i>Reactive and Functional Polymers</i> , 1996, 30, 191-196.	4.1	17
64	Aromatic Polyesters with Flexible Side Chains. 8. Studies on Long Periodical Structure Observed in Layered Crystalline Phase. <i>Macromolecules</i> , 2000, 33, 8367-8370.	4.8	17
65	First observation of a smectic A-cholesteric phase transition in a thermotropic liquid crystal consisting of a rigid-rod helical polysilane. <i>Liquid Crystals</i> , 2004, 31, 279-283.	2.2	17
66	Influence of Smectic Liquid Crystallinity on Lamellar Microdomain Structure in a Main-Chain Liquid Crystal Block Copolymer Fiber. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2295-2300.	2.2	17
67	Influence of molecular orientation direction on the in-plane thermal conductivity of polymer/hexagonal boron nitride composites. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	17
68	Smart Network Polymers with Bis(piperidyl)naphthalene Cross-Linkers: Selective Fluorescence Quenching and Photodegradation in the Presence of Trichloromethyl-Containing Chloroalkanes. <i>Macromolecules</i> , 2017, 50, 3544-3556.	4.8	17
69	Birefringence and photoluminescence properties of diphenylacetylene-based liquid crystal dimers. <i>New Journal of Chemistry</i> , 2020, 44, 17531-17541.	2.8	17
70	Structure of a B_6 -like phase formed from bent-core liquid crystals determined by microbeam x-ray diffraction. <i>Physical Review E</i> , 2007, 76, 042701.	2.1	16
71	Anti-ferroelectric Banana Phase in a Bent-shaped Molecule with a Low Bend Angle of 60° . <i>Chemistry Letters</i> , 2008, 37, 1230-1231.	1.3	16
72	Smectic A Formation by Twin Dimers Assuming U-shaped Conformation. <i>Chemistry Letters</i> , 2008, 37, 880-881.	1.3	16

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73	High-density poly(hexyl methacrylate) brushes offering a surface for near-zero azimuthal anchoring of liquid crystals at room temperature. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7992.	5.5	16
74	Highly birefringent side-chain LC polymethacrylate with a dinaphthyl-acetylene mesogenic unit. <i>Polymer Chemistry</i> , 2014, 5, 2253-2258.	3.9	16
75	Odd-even effect on viscoelastic properties of twin-dimer nematic liquid crystals. <i>Liquid Crystals</i> , 2015, 42, 463-472.	2.2	16
76	Halogen Substitution Effects on the Molecular Packing and Thin Film Transistor Performances of Carbazoledioxazine Derivatives. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26686-26694.	3.1	16
77	Chirality Transfer between Weakly Birefringent and Electric-Field-Induced Highly Birefringent B2 Phases in a Bent-Core Mesogen. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8698-8701.	2.6	15
78	Cholesteric films exhibiting expanded or split reflection bands prepared by atmospheric photopolymerisation of diacrylic nematic monomer doped with a photoresponsive chiral dopant. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3790-3795.	5.5	15
79	Identifying smectic I phase of main-chain PB-10 polyester consisting of 4,4'-biphenol and 1,10-dodecanoic acid by fibre X-ray diffraction. <i>Polymer</i> , 2012, 53, 5596-5599.	3.8	14
80	An in-plane switching liquid crystal cell with weakly anchored liquid crystals on the electrode substrate. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4384-4387.	5.5	14
81	Novel in-plane switching liquid crystal display with an extremely high transmittance using a well-designed bottlebrush as a zero-azimuth anchoring material. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 066503.	1.5	14
82	Internal rotations of aromatic polyamides: a density functional theory study. <i>Journal of Molecular Structure</i> , 2005, 741, 221-228.	3.6	13
83	Shear Flow Orientation of Cylindrical Microdomain in Liquid Crystalline Diblock Copolymer and its Potentiality as Anchoring Substrate for Nematic Mesogens. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 9152-9156.	1.5	13
84	Structural Characteristics of Thermotropic SmA Layer Phase Formed from Rigid-Rod Polysilanes. <i>Macromolecules</i> , 2008, 41, 7783-7786.	4.8	13
85	Polar Nematic Phase in Lyotropic Solutions of Poly(β -benzyl glutamate) and Its Temperature Instability As Detected by SHG Measurement. <i>Macromolecules</i> , 2008, 41, 2755-2758.	4.8	13
86	Main-chain smectic liquid crystalline polymer exhibiting unusually high thermal conductivity in an isotropic composite. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	13
87	Alkylated cage silsesquioxanes: a comprehensive study of thermal properties and self-assembled structure. <i>RSC Advances</i> , 2014, 4, 34981-34986.	3.6	13
88	Smectic "hexagonal columnar" B7 phase transition of acute-angle bent-core molecules. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2266-2273.	5.5	13
89	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. <i>Macromolecules</i> , 2016, 49, 6061-6074.	4.8	13
90	Frustrated Smectic Phase Appearing as Transitional State between Single-Layer and Antiferroelectric Bilayer Smectic Phases in Binary Mixtures of Dimeric Compounds. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4991-4993.	1.5	12

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91	Distinct layered structure with density modulation in solid phase formed from B ₂ phase of banana molecules. <i>Physical Review E</i> , 2006, 73, 011701.	2.1	12
92	Effect of Molecular Structure on Smectic Phase Structures in Two Homologues Series of Bent-Shaped Molecules with Asymmetric Central Naphthalene Core. <i>Ferroelectrics</i> , 2008, 365, 1-11.	0.6	12
93	Spontaneous deformation of main-chain liquid-crystalline elastomers composed of smectic polyesters. <i>Liquid Crystals</i> , 2009, 36, 115-122.	2.2	12
94	Side-Chain Liquid Crystalline Block Copolymers with Well Defined Structures Prepared by Living Anionic Polymerization IV. Microphase Morphology in Blends with Coil Homopolystyrenes. <i>Polymer Journal</i> , 2001, 33, 783.	2.7	11
95	Side chain liquid crystal poly(fumarate)s bearing toluene-based mesogens. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5101-5114.	2.3	11
96	Phase Diagram for Solutions of \hat{I}_{\pm} -Helical Poly(<i>scp</i> -glutamate)s in <i>m</i> -Cresol Including Isotropic, Cholesteric, and Columnar Phases. <i>Macromolecules</i> , 2008, 41, 3727-3733.	4.8	11
97	Synthesis of macrocyclised dimetric compounds and their liquid crystal transition behaviours. <i>Liquid Crystals</i> , 2009, 36, 1443-1450.	2.2	11
98	Nematic liquid crystal anchoring strengths of high density polymer brush surfaces. <i>Liquid Crystals</i> , 2015, 42, 181-188.	2.2	11
99	Thermal diffusivity of side-chain-polymer smectic liquid crystals. <i>Polymer</i> , 2016, 106, 35-42.	3.8	11
100	Development of the selective adsorbent for EDA containing fibronectin using heparin immobilized cellulose. <i>International Journal of Biological Macromolecules</i> , 1998, 22, 91-95.	7.5	10
101	Hyperpolarizability Components for \hat{I}_{\pm} - and \hat{I}_{∞} -Helical Polypeptides in Polar Crystals Determined from Second-Harmonic Generation Measurements. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 7026-7031.	1.5	10
102	Polarized Light Scattering and Synchrotron Radiation Wide-Angle X-ray Diffraction Studies on Smectic Liquid Crystal Formation of Main-Chain Polyester. <i>Macromolecules</i> , 2006, 39, 2021-2023.	4.8	10
103	Structural characteristics of the B ₆ phase for a bent-core molecular system observed through the B ₁ -B ₆ transition. <i>Physical Review E</i> , 2009, 80, 042703.	2.1	10
104	High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 071701.	1.5	10
105	Thermally Reversible Distortion Observed for Triblock Copolymers Comprising Main-Chain Liquid Crystal Polyesters Attached to Photo-Cross-Linked Cinnamate Segments at Both Ends. <i>Macromolecules</i> , 2015, 48, 8354-8360.	4.8	10
106	High resolution ¹³ C NMR studies for crystalline and liquid crystalline phases of PB-18 polyester composed of 4,4'-dihydroxybiphenyl and octadecanedioic acid. <i>Journal of Molecular Structure</i> , 1998, 446, 215-221.	3.6	9
107	RKKY interaction in metallic Gd in GPa pressure regions. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 593-594.	2.3	9
108	Unexpected Phase Behaviors of Poly(fumarate)s Carrying Toluene-based Mesogenic Side Chains. <i>Chemistry Letters</i> , 2008, 37, 356-357.	1.3	9

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109	Impregnation of Ni–P metal into polymer substrate via catalyzation in Sc-CO ₂ and electroless plating in Sc-CO ₂ emulsion. <i>Surface and Coatings Technology</i> , 2010, 204, 1785-1792.	4.8	9
110	Banana-shaped molecular architecture: Formation of large columns composed of two concentrically enclosed layers. <i>Journal of Materials Chemistry</i> , 2012, 22, 21448.	6.7	9
111	Bent Molecules with a 60° Central Core Angle that Form B7 and B2 Phases. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8216-8220.	13.8	9
112	Decrease in the isotropization temperature and enthalpy of main-chain polymer smectic liquid crystals as a result of the inclusion of chain ends. <i>Polymer</i> , 2014, 55, 2609-2613.	3.8	9
113	Transparent and high permittivity films of poly(methyl methacrylate)-grafted 7 nm barium titanate particles prepared by surface-initiated atom transfer radical polymerization. <i>Polymer</i> , 2015, 81, 23-28.	3.8	9
114	Two-dimensional Skyrmion Lattice Formation in a Nematic Liquid Crystal Consisting of Highly Bent Banana Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11552-11556.	13.8	9
115	Synthesis of fluorescent polycarbonates with highly twisted <i>N,N</i> -bis(dialkylamino)anthracene AIE luminogens in the main chain. <i>RSC Advances</i> , 2019, 9, 21733-21740.	3.6	9
116	Changing the structural and physical properties of 3-arm star poly(ϵ -valerolactone)s by a branch-point design. <i>Chemical Communications</i> , 2021, 57, 3901-3904.	4.1	9
117	High-Density Poly(methyl methacrylate) Brushes as Anchoring Surfaces of Nematic Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 071701.	1.5	9
118	Fluorescence study on intermolecular complex formation between mesogenic biphenyl moieties of main-chain thermotropic liquid-crystalline polyesters with 7–18 methylene units. <i>Polymer</i> , 1999, 40, 3013-3023.	3.8	8
119	Cryogelation in vitro. <i>International Journal of Biological Macromolecules</i> , 2001, 28, 183-189.	7.5	8
120	Transition Phenomenon in Salt-Doped Organic Electroluminescent Devices at High Bias Voltage. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 378, 157-166.	0.9	8
121	Small-Angle X-Ray Analysis of Smectic a Cholesteric Liquid Crystal Phase Transition in Rigid-Rod Helical Polysilane. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 419, 57-68.	0.9	8
122	Collective fluctuation in chiral smectic phases of main-chain liquid crystalline polymers. <i>Liquid Crystals</i> , 2007, 34, 305-310.	2.2	8
123	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. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6762-6766.	2.6	8
124	Formation of a homochiral antiferroelectric ground state in asymmetric bent-shaped molecules. <i>Liquid Crystals</i> , 2010, 37, 593-598.	2.2	8
125	Unusual Swelling of HPC in Toluene Forming a Microspherical Domain Structure that Causes Christiansen Scattering Coloration. <i>Langmuir</i> , 2010, 26, 1743-1746.	3.5	8
126	Enhancement of the cholesteric induction power by macrocyclization in liquid crystal dimers with a chiral spacer. <i>Journal of Materials Chemistry</i> , 2011, 21, 1697-1699.	6.7	8

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127	Lamellar Morphology of an ABA Triblock Copolymer with a Main-Chain Nematic Polyester Central Block. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1089-1093.	2.2	8
128	Accelerated aging-induced variation of polypropylene (PP) structure studied by two-dimensional (2D) small-angle X-ray scattering (SAXS) correlation spectroscopy. <i>Journal of Molecular Structure</i> , 2020, 1207, 127764.	3.6	8
129	Nonspherical Uniaxial Azobenzene Polymer Particles and Their Shape Changes under UV- or White-Light Irradiation for Stimuli-Response Applications. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2485-2494.	4.4	8
130	Ferroelectric and Antiferroelectric Behavior in Chiral Bent-shaped Molecules with an Asymmetric Central Naphthalene Core. <i>Bulletin of the Korean Chemical Society</i> , 2007, 28, 2241-2247.	1.9	8
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