

# Atsushi Yoshizawa

## List of Publications by Year in descending order

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100  
papers

1,823  
citations

304743

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330143

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101  
docs citations

101  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality exists in the isotropic liquid above blue phase III. <i>Liquid Crystals</i> , 2022, 49, 17-28.	2.2	0
2	Disclination network morphologies in blue phase III. <i>Liquid Crystals</i> , 2021, 48, 54-62.	2.2	4
3	Photo-induced guest–host interactions produce chiral conglomerates accompanying grain boundaries in a smectic phase. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12928-12937.	5.5	4
4	Very low surface tensions with “Hedgehog”-surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127690.	4.7	3
5	Design of Surfactant Tails for Effective Surface Tension Reduction and Micellization in Water and/or Supercritical CO <sub>2</sub> . <i>Langmuir</i> , 2020, 36, 14829-14840.	3.5	12
6	The formation of a chiral supramolecular structure acting as a template for chirality transfer. <i>Chemical Communications</i> , 2020, 56, 8289-8292.	4.1	10
7	Water-in-CO <sub>2</sub> Microemulsions Stabilized by an Efficient Catanionic Surfactant. <i>Langmuir</i> , 2020, 36, 7418-7426.	3.5	3
8	Photo-induced guest–host interactions produce grain boundaries between smectic blocks. <i>Materials Advances</i> , 2020, 1, 899-907.	5.4	1
9	Nanostructured assemblies of liquid-crystalline supermolecules: from display to medicine. <i>Liquid Crystals</i> , 2019, 46, 1950-1972.	2.2	19
10	Achiral H-shaped liquid crystals exhibiting an electric-field-induced chiral nematic phase. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6905-6913.	5.5	10
11	Porous surface of an achiral trimer in the chiral conglomerate phase catalyzes a direct aldol reaction. <i>New Journal of Chemistry</i> , 2019, 43, 8865-8868.	2.8	7
12	Linear symmetric liquid crystal trimers exhibiting supramolecular chiral architectures. <i>Soft Matter</i> , 2019, 15, 3179-3187.	2.7	13
13	H-shaped liquid crystals inducing nematic order in the isotropic liquid. <i>Liquid Crystals</i> , 2019, 46, 1756-1762.	2.2	4
14	Water-in-CO <sub>2</sub> Microemulsions Stabilized by Fluorinated Cation–Anion Surfactant Pairs. <i>Langmuir</i> , 2019, 35, 3445-3454.	3.5	16
15	Coexistence of nematic and chiral nematic phases of an achiral liquid crystal trimer possessing an octafluorobiphenyl unit. <i>Liquid Crystals</i> , 2018, 45, 1443-1450.	2.2	4
16	Polar order of an achiral taper-shaped liquid crystal in the uniaxial smectic A phase. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5521-5527.	5.5	6
17	Anisotropic reversed micelles with fluorocarbon-hydrocarbon hybrid surfactants in supercritical CO <sub>2</sub> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 201-210.	5.0	17
18	Photo-Driven Chirality Switching in a Dark Conglomerate Phase of an Achiral Liquid Crystal Trimer. <i>ChemistrySelect</i> , 2018, 3, 3278-3283.	1.5	7

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19	A frustrated phase driven by competition among layer structures. <i>Soft Matter</i> , 2017, 13, 5194-5203.	2.7	2
20	Achiral flexible liquid crystal trimers exhibiting gyroid-like surfaces in chiral conglomerate phases. <i>Soft Matter</i> , 2017, 13, 6521-6528.	2.7	15
21	p53-independent structure-activity relationships of 3-ring mesogenic compounds's activity as cytotoxic effects against human non-small cell lung cancer lines. <i>BMC Cancer</i> , 2016, 16, 521.	2.6	14
22	Optically Isotropic Homochiral Structure Produced by Intercalation of Achiral Liquid Crystal Trimers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4843-4851.	2.6	17
23	Odd-even effects of an asymmetric dimer on the double-twist structure in an amorphous blue phase. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8565-8574.	5.5	9
24	New Class of Amphiphiles Designed for Use in Water-in-Supercritical CO <sub>2</sub> Microemulsions. <i>Langmuir</i> , 2016, 32, 12413-12422.	3.5	12
25	Crystal-nematic phase separation in an asymmetric liquid crystal dimer possessing a terminal hydroxyl group. <i>Liquid Crystals</i> , 2016, 43, 680-687.	2.2	4
26	Achiral flexible liquid crystal trimers exhibiting chiral conglomerates. <i>Soft Matter</i> , 2016, 12, 3331-3339.	2.7	21
27	Hyper swollen perfluorinated smectic liquid crystal by perfluorinated oils. <i>RSC Advances</i> , 2015, 5, 215-220.	3.6	10
28	Comparison of electro-optical switching between polymer-stabilised cubic and amorphous blue phases. <i>Liquid Crystals</i> , 2015, 42, 1290-1297.	2.2	18
29	Effect of Fluorocarbon and Hydrocarbon Chain Lengths in Hybrid Surfactants for Supercritical CO <sub>2</sub> . <i>Langmuir</i> , 2015, 31, 7479-7487.	3.5	20
30	Supermolecular Bent Configuration Composed of Achiral Flexible Liquid Crystal Trimers Exhibiting Chiral Domains with Opposite Handedness. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4531-4538.	2.6	13
31	Chiral conglomerates observed for a binary mixture of a nematic liquid crystal trimer and 6OCB. <i>Soft Matter</i> , 2015, 11, 8827-8833.	2.7	12
32	Periodic Formation/Breakdown of Lamellar Aggregates with Anionic Cyanobiphenyl Surfactants. <i>Langmuir</i> , 2015, 31, 13040-13047.	3.5	0
33	Effects of liquid crystallinity on anticancer activity of benzoate derivatives possessing a terminal hydroxyl group. <i>Liquid Crystals</i> , 2014, 41, 1873-1878.	2.2	7
34	Flexible taper-shaped liquid crystal trimer exhibiting a modulated smectic phase. <i>Liquid Crystals</i> , 2014, 41, 1752-1761.	2.2	8
35	Molecular design for a cybotactic nematic phase. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3677-3685.	5.5	22
36	Layer modulated smectic-C phase in liquid crystals with a terminal hydroxyl group. <i>Physical Review E</i> , 2014, 89, 042503.	2.1	5

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37	Molecular Design of Blue Phase Materials for Display Devices. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 595, 29-38.	0.9	3
38	Hyperbranched Hydrocarbon Surfactants Give Fluorocarbon-like Low Surface Energies. <i>Langmuir</i> , 2014, 30, 6057-6063.	3.5	53
39	Synthesis and anticancer properties of phenyl benzoate derivatives possessing a terminal hydroxyl group. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1335-1343.	5.8	17
40	U-shaped oligomers with a molecular biaxiality stabilizing blue phases. <i>Journal of Materials Chemistry C</i> , 2013, 1, 315-320.	5.5	26
41	Material design for blue phase liquid crystals and their electro-optical effects. <i>RSC Advances</i> , 2013, 3, 25475.	3.6	98
42	Liquid crystal supermolecules stabilizing an optically isotropic phase with frustrated molecular organization. <i>Polymer Journal</i> , 2012, 44, 490-502.	2.7	26
43	Effective and Efficient Surfactant for CO <sub>2</sub> Having Only Short Fluorocarbon Chains. <i>Langmuir</i> , 2012, 28, 10988-10996.	3.5	31
44	Chiral effects of blue phase stabilisation of a binaphthyl derivative. <i>Liquid Crystals</i> , 2011, 38, 303-307.	2.2	24
45	Supramolecular assembly composed of different mesogenic compounds possessing a 1%-hydroxyalkyl unit exhibits suppressive effects on the A549 human lung cancer cell line. <i>MedChemComm</i> , 2011, 2, 55-59.	3.4	6
46	Amorphous Blue Phase III Exhibiting Submillisecond Response and Hysteresis-Free Switching at Room Temperature. <i>Applied Physics Express</i> , 2011, 4, 101701.	2.4	33
47	Preorganised effects of a tetramesogenic supermolecule on supramolecular assembly in the liquid crystalline phases. <i>Liquid Crystals</i> , 2011, 38, 639-648.	2.2	6
48	Biphenyl derivative stabilizing blue phases. <i>Journal of Materials Chemistry</i> , 2011, 21, 19132.	6.7	21
49	Suppressive effects of liquid crystal compounds on the growth of the A549 human lung cancer cell line. <i>Investigational New Drugs</i> , 2011, 29, 659-665.	2.6	12
50	Isotropic liquid-ferrielectric smectic C phase transition observed in a chiral nonsymmetric dimer. <i>Liquid Crystals</i> , 2011, 38, 451-459.	2.2	3
51	Competition between micro-segregation and anti-parallel alignment of an amphiphilic rod-like liquid crystal. <i>Liquid Crystals</i> , 2011, 38, 793-801.	2.2	4
52	Amphiphilic liquid crystal possessing a SmA-promoting tail and a SmC-promoting core. <i>Liquid Crystals</i> , 2011, 38, 317-323.	2.2	4
53	Chiral T-shaped Semiflexible Compound Exhibiting a Wide Temperature Range Blue Phase III. <i>Chemistry Letters</i> , 2010, 39, 170-171.	1.3	34
54	Amphiphilic taper-shaped oligomer exhibiting a monolayer smectic A to columnar phase transition. <i>Liquid Crystals</i> , 2010, 37, 507-515.	2.2	5

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55	Interlayer Interactions Induced by Amphiphilicities of a Rod-Like Molecule Produce Frustrated Structures in Conventional Calamitic Phases. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13304-13311.	2.6	12
56	Liquid Crystal Oligomers Exhibiting a Blue Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 99-106.	0.9	5
57	Synthesis and Phase Transition Behavior of Novel Liquid Crystal Tetramers. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 263/[1005]-273/[1015].	0.9	3
58	A binaphthyl derivative with a wide temperature range of a blue phase. <i>Journal of Materials Chemistry</i> , 2009, 19, 5759.	6.7	94
59	Molecular Organization of Preorganized S-Shaped Oligomers in the Liquid Crystalline Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 233/[975]-244/[986].	0.9	5
60	Twisting Power of a Novel Binaphthyl Derivative Possessing Laterally Attached Mesogenic Units. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 213/[955]-222/[964].	0.9	1
61	Structure-Property Relationships in Non-Chiral Liquid Crystal Oligomers Stabilizing Blue Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 223/[965]-232/[974].	0.9	5
62	Biological Activity of Some Cyanobiphenyl Derivatives. <i>Chemistry Letters</i> , 2009, 38, 530-531.	1.3	14
63	Unconventional liquid crystal oligomers with a hierarchical structure. <i>Journal of Materials Chemistry</i> , 2008, 18, 2877.	6.7	75
64	Synthesis and Physical Properties of Novel Dimesogenic Compounds Possessing both Lateral and Terminal Polar Groups. <i>Ferroelectrics</i> , 2008, 365, 58-64.	0.6	0
65	Synthesis and Physical Properties of Novel T-Shaped Chiral Liquid Crystal Oligomers Possessing Terminal Cyano Groups. <i>Ferroelectrics</i> , 2008, 364, 1-6.	0.6	6
66	Electrooptical Properties of Liquid Crystal Oligomer Possessing Both Lateral and Terminal Polar Groups. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 6386-6389.	1.5	4
67	Helical Structure Induced by a Binaphthyl Derivative Possessing Two Biphenyl Moieties. <i>Ferroelectrics</i> , 2008, 364, 121-128.	0.6	0
68	Synthesis and physical properties of novel S-shaped liquid crystal oligomers. <i>Liquid Crystals</i> , 2007, 34, 547-553.	2.2	15
69	Novel T-shaped Chiral Oligomers with a Wide Temperature Range of a Blue Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 475, 99-112.	0.9	14
70	Synthesis and transition properties of novel dimesogenic compounds possessing cis-1,4-dioxane-butene as a linking group. <i>Liquid Crystals</i> , 2007, 34, 177-181.	2.2	6
71	Odd-even effects in the phase transition behaviour of novel U-shaped liquid crystals. <i>Liquid Crystals</i> , 2007, 34, 633-639.	2.2	30
72	Phase behaviour under pressure of a dichiral liquid crystal with an optically isotropic cubic phase: 2-((4-((R)-2-fluorohexyloxy)phenyl)-5-((4-((S)-2-fluoro-2-methyldecanoyloxy)phenyl)pyrimidin-1-yl)oxy)ethane. <i>Liquid Crystals</i> , 2007, 34, 9-18.	1.2	1

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73	Host-guest effect on chirality transfer from a binaphthyl derivative to a host nematic liquid crystal. <i>Chemical Communications</i> , 2007, , 257-259.	4.1	17
74	Phase Transition Behaviour of Amphiphilic Supermolecules Possessing a Semiperfluorinated Alkyl Chain. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 479, 181/[1219]-189/[1227].	0.9	8
75	Synthesis and phase transition behaviour of novel liquid crystal trimers. <i>Liquid Crystals</i> , 2007, 34, 585-590.	2.2	5
76	Novel liquid crystal trimers exhibiting a monolayer smectic C phase containing strong macroscopic fluctuations. <i>Liquid Crystals</i> , 2007, 34, 1121-1128.	2.2	6
77	Two origins for twisting power of a binaphthyl derivative in a host nematic liquid crystal. <i>Liquid Crystals</i> , 2007, 34, 1455-1462.	2.2	18
78	Synthesis and physical properties of novel liquid crystal oligomers possessing polar terminal groups. <i>Liquid Crystals</i> , 2007, 34, 373-379.	2.2	7
79	Lamellar To Lamellar Phase Transition Driven by Conformation Change of an Amphiphilic Liquid Crystal Oligomer. <i>Chemistry of Materials</i> , 2007, 19, 6445-6450.	6.7	18
80	The role of a liquid crystal oligomer in stabilizing blue phases. <i>Liquid Crystals</i> , 2007, 34, 1039-1044.	2.2	24
81	Synthesis and physical properties of $\{4\text{-}[(4\text{-cyanobiphenyl})_2\text{cyloxy}]\text{-4'-(5-alkylpyrimidin-2-yl)phenoxy}\}$ alkanes. <i>Liquid Crystals</i> , 2006, 33, 611-619.	2.2	22
82	Phase transition behaviour of novel Y-shaped liquid crystal oligomers. <i>Liquid Crystals</i> , 2006, 33, 605-609.	2.2	39
83	An unusual phase sequence of iso liq-blue phase-smectic A observed for novel binaphthyl mesogenic derivatives. <i>Journal of Materials Chemistry</i> , 2005, 15, 275.	6.7	79
84	A blue phase observed for a novel chiral compound possessing molecular biaxiality. <i>Journal of Materials Chemistry</i> , 2005, 15, 3285.	6.7	175
85	Synthesis and physical properties of novel liquid crystal trimers containing resorcinol as a linking unit. <i>Liquid Crystals</i> , 2005, 32, 1175-1181.	2.2	23
86	Unusual smectic phases organized by novel $\hat{\Gamma}$ -shaped mesogenic molecules. <i>Journal of Materials Chemistry</i> , 2005, 15, 280-288.	6.7	47
87	Preorganization Effect of a Polar Supermolecule on Dielectric Anisotropy in a Nematic Liquid Crystalline Phase. <i>Chemistry of Materials</i> , 2005, 17, 6442-6446.	6.7	11
88	Phase Transition Behaviour of Symmetric and Non-Symmetric Dimeric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 169-176.	0.9	1
89	Frustration Caused by Competition Between Interlayer and Intralayer Interactions in a Dichiral Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 411, 201-209.	0.9	1
90	A novel frustrated phase produced by a binary system of non-symmetric dimeric liquid crystals. <i>Journal of Materials Chemistry</i> , 2003, 13, 172-174.	6.7	24

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91	CUBIC AND BLUE PHASES IN A FLUORINE-CONTAINING DICHRAL COMPOUND. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 401, 19-33.	0.9	8
92	Structures in optically isotropic and bluish colored cubic phases formed by enantiomeric association in an (R,S) dichiral compound and a stereoisomeric (R,R) and (S,S) mixture. <i>Journal of Materials Chemistry</i> , 2002, 12, 1325-1330.	6.7	33
93	Kinetically induced intermolecular association: unusual enthalpy changes in the nematic phase of a novel dimeric liquid-crystalline molecule. Electronic supplementary information (ESI) available: photomicrographs of the nematic phase formed by BOPPHB on cooling, X-ray diffraction patterns and DSC thermograms. See <a href="http://www.rsc.org/suppdata/cc/b2/b204901p/">http://www.rsc.org/suppdata/cc/b2/b204901p/</a> . <i>Chemical Communications</i> , 2002, , 2060-2061.	4.1	37
94	Isotropic Cubic Phase Organized by Chiral Molecular Recognition. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 271-277.	0.3	8
95	Microscopic organization of molecules in smectic A and chiral (racemic) smectic C phases: Dynamic molecular deformation effect on the $S_A$ to $S_C$ — ( $S_C$ ) transition. <i>Liquid Crystals</i> , 1995, 18, 351-366.	2.2	62
96	Liquid-crystalline properties of a chiral twin material possessing a remarkably flexible central spacer. <i>Journal of Materials Chemistry</i> , 1995, 5, 675.	6.7	17
97	Mesophasic helical structures with high twisting power in optically active 3-methyladipic acid bis esters. <i>Journal of Materials Chemistry</i> , 1994, 4, 449.	6.7	28
98	C-13 NMR and X-Ray Investigations of Phase Transitions in an Antiferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , 1992, 31, L860-L863.	1.5	30
99	Electro-optical Switching in Blue Phases Induced using a Binary System of a T-shaped Nematic Liquid Crystal and a Chiral Compound. <i>Applied Physics Express</i> , 0, 1, 111801.	2.4	25
100	Molecular design of flexible liquid crystal oligomers stabilising the chiral frustrated phases. <i>Liquid Crystals</i> , 0, , 1-17.	2.2	2