

Yasuhisa Yamamura

List of Publications by Year in descending order

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77
papers

1,223
citations

331670

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454955

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docs citations

78
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat capacity measurements and phase transition of crystalline 4,4-difluoro-p-terphenyl. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 107-115.	4.0	59
2	Low-temperature heat capacities and Raman spectra of negative thermal expansion compounds ZrW ₂ O ₈ and HfW ₂ O ₈ . <i>Physical Review B</i> , 2002, 66, .	3.2	58
3	Calorimetric and Spectroscopic Evidence of Chain-Melting in Smectic E and Smectic A Phases of 4-Alkyl-4'-isothiocyanatobiphenyl (<i>n</i>TCB). <i>Journal of Physical Chemistry B</i> , 2012, 116, 9255-9260.	2.6	56
4	Coexistence of Two Aggregation Modes in Exotic Liquid-Crystalline Superstructure: Systematic Maximum Entropy Analysis for Cubic Mesogen, 1,2-Bis(4'-alkoxybenzoyl)hydrazine [BABH(<i>n</i>)]. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12179-12181.	2.6	51
5	Characteristic Phonon Spectrum of Negative Thermal Expansion Materials with Framework Structure through Calorimetric Study of Sc ₂ M ₃ O ₁₂ (M = W and Mo). <i>Chemistry of Materials</i> , 2009, 21, 3008-3016.	6.7	50
6	Molecular Mechanism Responsible for Reentrance to <i>Ia3d</i> Gyroid Phase in Cubic Mesogen BABH(<i>n</i>). <i>Journal of the Physical Society of Japan</i> , 2012, 81, 094601.	1.6	42
7	Negative thermal expansion emerging upon structural phase transition in ZrV ₂ O ₇ and HfV ₂ O ₇ . <i>Dalton Transactions</i> , 2011, 40, 2242.	3.3	40
8	Universality of Molten State of Alkyl Chain in Liquid-Crystalline Mesophases: Smectic E Phase of 6-Alkyl-2-phenylazulene. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1022-1027.	3.2	34
9	A structural model of the chiral ∞-cubic phase. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3280-3284.	2.8	34
10	Experimental assessment of quasi-binary picture of thermotropics: Induced smectic A phase in 7CB∞-heptane system. <i>Journal of Chemical Physics</i> , 2011, 135, 044705.	3.0	31
11	Study of Polymorphism of 4-Hexyl-4'-isothiocyanatobiphenyl by Complementary Methods. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12327-12335.	2.6	30
12	Cold Crystallization in Schiff-Base Nickel(II) Complexes Derived from Three Toluidine Isomers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27664-27671.	3.1	30
13	Phase Transition of Zr _{1-x} Hf _x V ₂ O ₇ Solid Solutions Having Negative Thermal Expansion. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 607-611.	1.3	29
14	Reentrant nematic phase in 4-alkyl-4'-cyanobiphenyl (<i>n</i>CB) binary mixtures. <i>Liquid Crystals</i> , 2014, 41, 927-932.	2.2	29
15	Cooperativity between Water and Lipids in Lamellar to Inverted-Hexagonal Phase Transition. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 044801.	1.6	25
16	Odd-Even Effect on Nematic SmA _d Phase Boundary and SmA _d Structure in Homologous Binary Systems of Cyanobiphenyl Mesogens: 4-Alkyl-4'-cyanobiphenyl (<i>n</i>CB) and 4-Alkoxy-4'-cyanobiphenyl (<i>n</i>OCB). <i>Journal of Physical Chemistry B</i> , 2017, 121, 1438-1447.	2.6	25
17	Calorimetric and dielectric study of organic ferroelectrics, phenazine-chloranilic acid, and its bromo analog. <i>Journal of Chemical Physics</i> , 2009, 130, 034503.	3.0	24
18	Phase transition in crystalline p-polyphenyls: Heat capacity of 4,4'-difluoro-p-quaterphenyl. <i>Solid State Communications</i> , 1994, 92, 495-499.	1.9	23

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19	Calorimetric Study of Glass Transition in Molecular Liquids Consisting of Globular Associates: Dicyclohexylmethanol and Tricyclohexylmethanol. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3938-3943.	2.6	22
20	Possible Formation of Multicontinuous Structures by Rodlike Particles. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 093601.	1.6	21
21	Thermodynamic properties of saponite, nontronite, and vermiculite derived from calorimetric measurements. <i>American Mineralogist</i> , 2013, 98, 1834-1847.	1.9	21
22	Mirror symmetry breaking by mixing of equimolar amounts of two gyroid phase-forming achiral molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17341-17344.	2.8	20
23	Phase transition associated with molecular twisting in crystalline 4,4'-difluoro-p-terphenyl displacive or order-disorder transition?. <i>Solid State Communications</i> , 1993, 87, 903-906.	1.9	19
24	Low-Temperature Phase Transitions of an Organic Ferroelectrics, Phenazine-Chloranilic Acid. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 033601.	1.6	19
25	Communication: Salt-induced water orientation at a surface of non-ionic surfactant in relation to a mechanism of Hofmeister effect. <i>Journal of Chemical Physics</i> , 2015, 142, 171101.	3.0	17
26	Electrostatic double-layer interaction between stacked charged bilayers. <i>Physical Review E</i> , 2017, 96, 040601.	2.1	17
27	Rich polymorphism in 4-propylthiocyanato-1,1'-biphenyl (3TCB) revealed by adiabatic calorimetry. <i>Liquid Crystals</i> , 2008, 35, 179-186.	2.2	16
28	Thermal Conductivity of YBCO Coated Conductors Reinforced by Metal Tape. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 3037-3040.	1.7	16
29	Molecular packing in two bicontinuous I_{31} , I_{1d} gyroid phases of calamitic cubic mesogens BABH(n): roles in structural stability and reentrant behavior. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23705-23712.	2.8	16
30	Effect of n-alkanes on lipid bilayers depending on headgroups. <i>Chemistry and Physics of Lipids</i> , 2015, 188, 61-67.	3.2	15
31	One-dimensional correlation in the dipolar Ising crystal tricyclohexylmethanol: crystal structure revisited and heat capacity. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 176219.	1.8	14
32	Polarization reversal by intramolecular disordering in organic ferroelectrics: trichloroacetamide. <i>CrystEngComm</i> , 2011, 13, 2693.	2.6	14
33	New Organic Ferroelectrics: Cocrystal of 5,5'-Dimethyl-2,2'-bipyridine and Bromanilic Acid. <i>Chemistry Letters</i> , 2012, 41, 119-121.	1.3	14
34	Examination of molecular packing in orthogonal smectic liquid crystal phases: a guide for molecular design of functional smectic phases. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25518-25526.	2.8	14
35	Structure and molecular packing in smectic B_{Cr} and A_d phases of Schiff base liquid crystal compounds through the analyses of layer spacing, entropy and crystal structure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19434-19441.	2.8	14
36	Interleaflet coupling of n -alkane incorporated bilayers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5418-5426.	2.8	14

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37	Designing the disorder: the kinetics of nonisothermal crystallization of the orientationally disordered crystalline phase in a nematic mesogen. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24236-24248.	2.8	14
38	Disappearance of a Displacive Phase Transition in Crystalline Biphenyl by a Small Amount of Impurity*. <i>Journal of the Physical Society of Japan</i> , 1998, 67, 1649-1654.	1.6	13
39	Communication: Rigidification of a lipid bilayer by an incorporated <i>n</i> -alkane. <i>Journal of Chemical Physics</i> , 2016, 144, 041103.	3.0	13
40	Various Stacking Patterns of Two-Dimensional Molecular Assemblies in Hydrogen-Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22839-22848.	13.8	13
41	Comprehensive characterisation of the E phase of 6-octyl-2-phenylazulene. <i>Liquid Crystals</i> , 2012, 39, 1340-1344.	2.2	12
42	Structural Isomerization and Cold Crystallization of Bis[1-(2-propyl)iminomethylnaphthalen-2-olato]nickel(II) by Thermal Analysis, X-ray Diffraction, and FT-IR. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 989-995.	3.2	12
43	Stabilization of the bicontinuous cubic phase in siloxane-terminated mesogens, 1,2-bis[4-(<i>n</i> -oligodimethylsiloxy)alkoxy]benzoyl]hydrazine. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9013-9020.	2.8	12
44	Comprehensive Interpretation of a Substitution Effect on an Order-Disorder Phase Transition in $A_{1-x}M_xW_2O_8-y$ ($A = Zr, Hf; M = \text{Trivalent Cations}$) and Other ZrW_2O_8 -Based Solid Solutions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10118-10122.	2.6	10
45	Calorimetric Study of Correlated Disorder in $[Hdame]_2[Cu^{II}(tdpd)]_2 \cdot 2THF$ Crystal. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4465-4469.	2.5	10
46	Interplay between Melt and Cold Crystallization in a Smectic Liquid Crystal, 4-Pentylphenyl 4-(<i>trans</i> -4-Pentylcyclohexyl)benzoate. <i>Crystal Growth and Design</i> , 2021, 21, 2777-2785.	3.0	10
47	Entropic evidence of the order-disorder nature of the phase transition in <i>p</i> -terphenyl crystal. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3359-3366.	1.8	9
48	Cold Crystallization in Bis[1-(3-methylphenyl)iminomethylnaphthalen-2-olato]nickel(II) Studied by Thermal Analysis and X-ray Diffraction. <i>Chemistry Letters</i> , 2013, 42, 1040-1042.	1.3	9
49	Orders Exhibited by Ensemble of Headless Spins Preferring Twisted Alignment: Phase Diagram of Extended Maier-Saupe Model on Simple Cubic Lattice. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 084602.	1.6	9
50	Identification of Hydrogen-Bonded Oligomers in Associating Liquid by 1H NMR: 1-Phenyl-1-cyclohexanol. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 569-576.	3.2	8
51	Optical Switching between Liquid-Crystalline Assemblies with Different Structural Symmetries and Molecular Orders. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1652-1659.	3.2	8
52	Interplay between Phase Transition of DPPC Bilayer and Photoisomerization of Doped Stilbene Molecules. <i>Chemistry Letters</i> , 2014, 43, 1352-1354.	1.3	7
53	Contrasting Effects of a Rigid Core and an Alkyl Chain in <i>n</i> CB on the Phase Behavior of Lipid Bilayers. <i>Langmuir</i> , 2016, 32, 5966-5972.	3.5	7
54	Heat capacity and standard thermodynamic functions of three ketohexoses in monosaccharides including rare sugars: D-fructose, D-psicose, and D-tagatose. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 420-430.	2.0	7

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55	Photoinduced Bilayer-to-Nonbilayer Phase Transition of POPE by Photoisomerization of Added Stilbene Molecules. <i>Langmuir</i> , 2016, 32, 7647-7653.	3.5	6
56	Three Gel States of Colloidal Composites Consisting of Polymer-Brush-Afforded Silica Particles and a Nematic Liquid Crystal with Distinct Viscoelastic and Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29649-29657.	8.0	6
57	Common Effects of Incorporated <i>n</i> -Alkane Derivatives on Molecular Packing and Phase Behavior of DPPC Bilayers. <i>Chemistry Letters</i> , 2018, 47, 1512-1514.	1.3	6
58	Vibrational dynamics of glass forming: 2-phenylbutan-1-ol (BEP), 2-(trifluoromethyl)phenethyl alcohol (2TFMP) and 4-(trifluoromethyl)phenethyl alcohol (4TFMP) in their thermodynamic phases. <i>Phase Transitions</i> , 2018, 91, 170-185.	1.3	5
59	Phase separation of a ternary lipid vesicle including <i>n</i> -alkane: Rugged vesicle and bilayer flakes formed by separation between highly rigid and flexible domains. <i>Journal of Chemical Physics</i> , 2019, 150, 064904.	3.0	4
60	Ordering Phase Transition with Symmetry-Breaking from Disorder over Non-Equivalent Sites: Calorimetric and Crystallographic Study of Crystalline d-Sorbitol. <i>Crystals</i> , 2020, 10, 361.	2.2	4
61	Possible Phonon Density of States of High-Temperature Phase Structure of the Negative Thermal Expansion Compound ZrW ₂ O ₈ . <i>Journal of the Physical Society of Japan</i> , 2007, 76, 123603.	1.6	3
62	Cell Gap Dependence of Nematic Backflow around Annihilating Disclination Pair. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 074603.	1.6	3
63	Phase behaviour of a thermotropic cubic mesogen of 1,2-bis(4- <i>n</i> -hexyloxybenzoyl)hydrazine under pressure. <i>Liquid Crystals</i> , 2014, 41, 731-737.	2.2	3
64	A possible critical point for nematic order on the basis of Landau free energy having dual instabilities for nano-segregated smectic liquid crystals. <i>Soft Matter</i> , 2015, 11, 8493-8498.	2.7	3
65	Salt Effects on Lamellar Structure of Nonionic Surfactants. <i>Journal of Solution Chemistry</i> , 2016, 45, 1612-1619.	1.2	3
66	Cell-quintupling: Structural phase transition in a molecular crystal, bis(<i>trans</i> -4-butylcyclohexyl)methanol. <i>Journal of Chemical Physics</i> , 2017, 146, 074503.	3.0	3
67	Dimensional Crossover and Its Interplay with In-Plane Anisotropy of Upper Critical Field in \hat{t}^2 -(BDA-TTP) ₂ SbF ₆ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 084704.	1.6	3
68	Reduction of Shear Viscosity in Phospholipid Vesicle Dispersions by Self-organized Ripple Structures of Vesicle Surfaces. <i>Chemistry Letters</i> , 2018, 47, 240-242.	1.3	3
69	Two-Dimensional Spin Model Possibly Undergoing a Phase Transition: Heisenberg Model of Headless Spins Preferring Twist on Triangular Lattice. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	3
70	Headless Heisenberg Spin Models Preferring Twist on Triangular Lattice: Phase Transition under External Field. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	3
71	Phase Transition from the Interdigitated to Bilayer Membrane of a Cationic Surfactant Induced by Addition of Hydrophobic Molecules. <i>Langmuir</i> , 2020, 36, 14699-14709.	3.5	2
72	Stabilization of Bicontinuous Cubic Phase and Its Two-Sided Nature Produced by Use of Siloxane Tails and Introduction of Molecular Nonsymmetry. <i>Chemistry - A European Journal</i> , 2021, 27, 10293-10302.	3.3	2

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73	Effect of Cis and Trans Double Bonds on Conformational Disordering of the Hydrocarbon Chain of Lipid, Unsaturated Monoacylglycerols, in the Lamellar Phase of a Binary System with Water. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14963-14968.	2.6	1
74	Various Stacking Patterns of Two-Dimensional Molecular Assemblies in Hydrogen-Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. <i>Angewandte Chemie</i> , 2021, 133, 23021.	2.0	1
75	Deduction of channel-length distribution from isothermal thermogravimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 92, 391-394.	3.6	0
76	Ultraslow Oscillation of Nematic Disclination after Abrupt Switching of DC Voltage. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 033601.	1.6	0
77	Heat Capacity and Phase Transition of Rare Sugar Crystals. <i>Seibutsu Butsuri</i> , 2021, 61, 308-311.	0.1	0