Yasuhisa Yamamura

List of Publications by Year
in descending order

77	1,223	331670 21	454955 30
papers	citations	h-index	g-index

78	78	78	934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Headless Heisenberg Spin Models Preferring Twist on Triangular Lattice: Phase Transition under External Field. Journal of the Physical Society of Japan, 2022, 91, .	1.6	3
2	Heat Capacity and Phase Transition of Rare Sugar Crystals. Seibutsu Butsuri, 2021, 61, 308-311.	0.1	0
3	Interplay between Melt and Cold Crystallization in a Smectic Liquid Crystal, 4-Pentylphenyl 4-(trans-4-Pentylcyclohexyl)benzoate. Crystal Growth and Design, 2021, 21, 2777-2785.	3.0	10
4	Stabilization of Bicontinuous Cubic Phase and Its Twoâ€Sided Nature Produced by Use of Siloxane Tails and Introduction of Molecular Nonsymmetry. Chemistry - A European Journal, 2021, 27, 10293-10302.	3.3	2
5	Various Stacking Patterns of Twoâ€Dimensional Molecular Assemblies in Hydrogenâ€Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. Angewandte Chemie - International Edition, 2021, 60, 22839-22848.	13.8	13
6	Various Stacking Patterns of Twoâ€Dimensional Molecular Assemblies in Hydrogenâ€Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. Angewandte Chemie, 2021, 133, 23021.	2.0	1
7	Two-Dimensional Spin Model Possibly Undergoing a Phase Transition: Heisenberg Model of Headless Spins Preferring Twist on Triangular Lattice. Journal of the Physical Society of Japan, 2021, 90, .	1.6	3
8	Interleaflet coupling of n-alkane incorporated bilayers. Physical Chemistry Chemical Physics, 2020, 22, 5418-5426.	2.8	14
9	Designing the disorder: the kinetics of nonisothermal crystallization of the orientationally disordered crystalline phase in a nematic mesogen. Physical Chemistry Chemical Physics, 2020, 22, 24236-24248.	2.8	14
10	Phase Transition from the Interdigitated to Bilayer Membrane of a Cationic Surfactant Induced by Addition of Hydrophobic Molecules. Langmuir, 2020, 36, 14699-14709.	3.5	2
11	Ordering Phase Transition with Symmetry-Breaking from Disorder over Non-Equivalent Sites: Calorimetric and Crystallographic Study of Crystalline d-Sorbose. Crystals, 2020, 10, 361.	2.2	4
12	Phase separation of a ternary lipid vesicle including n-alkane: Rugged vesicle and bilayer flakes formed by separation between highly rigid and flexible domains. Journal of Chemical Physics, 2019, 150, 064904.	3.0	4
13	Molecular packing in two bicontinuous Ia3̄d gyroid phases of calamitic cubic mesogens BABH(n): roles in structural stability and reentrant behavior. Physical Chemistry Chemical Physics, 2019, 21, 23705-23712.	2.8	16
14	Heat capacity and standard thermodynamic functions of three ketohexoses in monosaccharides including rare sugars: D-fructose, D-psicose, and D-tagatose. Journal of Chemical Thermodynamics, 2019, 131, 420-430.	2.0	7
15	Common Effects of Incorporatedn-Alkane Derivatives on Molecular Packing and Phase Behavior of DPPC Bilayers. Chemistry Letters, 2018, 47, 1512-1514.	1.3	6
16	Optical Switching between Liquid-Crystalline Assemblies with Different Structural Symmetries and Molecular Orders. Bulletin of the Chemical Society of Japan, 2018, 91, 1652-1659.	3.2	8
17	Reduction of Shear Viscosity in Phospholipid Vesicle Dispersions by Self-organized Ripple Structures of Vesicle Surfaces. Chemistry Letters, 2018, 47, 240-242.	1.3	3
18	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. Phase Transitions, 2018, 91, 170-185.	1.3	5

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19	Oddâ€“Even Effect on Nematic SmA_d Phase Boundary and SmA_d Structure in Homologous Binary Systems of Cyanobiphenyl Mesogens: 4-Alkyl-4â€²-cyanobiphenyl (nCB) and 4-Alkoxy-4â€²-cyanobiphenyl (nOCB). Journal of Physical Chemistry B, 2017, 121, 1438-1447.	2.6	25
20	Cell-quintupling: Structural phase transition in a molecular crystal, bis(trans-4â€“butylcyclohexyl)methanol. Journal of Chemical Physics, 2017, 146, 074503.	3.0	3
21	Electrostatic double-layer interaction between stacked charged bilayers. Physical Review E, 2017, 96, 040601.	2.1	17
22	Examination of molecular packing in orthogonal smectic liquid crystal phases: a guide for molecular design of functional smectic phases. Physical Chemistry Chemical Physics, 2017, 19, 25518-25526.	2.8	14
23	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. Physical Chemistry Chemical Physics, 2017, 19, 19434-19441.	2.8	14
24	Orders Exhibited by Ensemble of Headless Spins Preferring Twisted Alignment: Phase Diagram of Extended Maierâ€“Saupe Model on Simple Cubic Lattice. Journal of the Physical Society of Japan, 2017, 86, 084602.	1.6	9
25	Dimensional Crossover and Its Interplay with In-Plane Anisotropy of Upper Critical Field in Î²-(BDA-TTP)₂SbF₆. Journal of the Physical Society of Japan, 2017, 86, 084704.	1.6	3
26	Communication: Rigidification of a lipid bilayer by an incorporated n-alkane. Journal of Chemical Physics, 2016, 144, 041103.	3.0	13
27	Mirror symmetry breaking by mixing of equimolar amounts of two gyroid phase-forming achiral molecules. Physical Chemistry Chemical Physics, 2016, 18, 17341-17344.	2.8	20
28	Stabilization of the bicontinuous cubic phase in siloxane-terminated mesogens, 1,2-bis[4â€²-(n-(oligodimethylsiloxyl)alkoxy)benzoyl]hydrazine. Physical Chemistry Chemical Physics, 2016, 18, 9013-9020.	2.8	12
29	Photoinduced Bilayer-to-Nonbilayer Phase Transition of POPE by Photoisomerization of Added Stilbene Molecules. Langmuir, 2016, 32, 7647-7653.	3.5	6
30	Salt Effects on Lamellar Structure of Nonionic Surfactants. Journal of Solution Chemistry, 2016, 45, 1612-1619.	1.2	3
31	Three Gel States of Colloidal Composites Consisting of Polymer-Brush-Afforded Silica Particles and a Nematic Liquid Crystal with Distinct Viscoelastic and Optical Properties. ACS Applied Materials & Interfaces, 2016, 8, 29649-29657.	8.0	6
32	Contrasting Effects of a Rigid Core and an Alkyl Chain in nCB on the Phase Behavior of Lipid Bilayers. Langmuir, 2016, 32, 5966-5972.	3.5	7
33	A structural model of the chiral â€œIm3mâ€•cubic phase. Physical Chemistry Chemical Physics, 2016, 18, 3280-3284.	2.8	34
34	Ultraslow Oscillation of Nematic Disclination after Abrupt Switching of DC Voltage. Journal of the Physical Society of Japan, 2015, 84, 033601.	1.6	0
35	Structural Isomerization and Cold Crystallization of Bis[1-(2-propyl)iminomethylnaphthalen-2-olato]nickel(II) by Thermal Analysis, X-ray Diffraction, and FT-IR. Bulletin of the Chemical Society of Japan, 2015, 88, 989-995.	3.2	12
36	Effect of n-alkanes on lipid bilayers depending on headgroups. Chemistry and Physics of Lipids, 2015, 188, 61-67.	3.2	15

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37	Communication: Salt-induced water orientation at a surface of non-ionic surfactant in relation to a mechanism of Hofmeister effect. Journal of Chemical Physics, 2015, 142, 171101.	3.0	17
38	A possible critical point for nematic order on the basis of Landau free energy having dual instabilities for nano-segregated smectic liquid crystals. Soft Matter, 2015, 11, 8493-8498.	2.7	3
39	Phase behaviour of a thermotropic cubic mesogen of 1,2-bis(4â€²-n-hexyloxybenzoyl)hydrazine under pressure. Liquid Crystals, 2014, 41, 731-737.	2.2	3
40	Cold Crystallization in Schiff-Base Nickel(II) Complexes Derived from Three Toluidine Isomers. Journal of Physical Chemistry C, 2014, 118, 27664-27671.	3.1	30
41	Cooperativity between Water and Lipids in Lamellar to Inverted-Hexagonal Phase Transition. Journal of the Physical Society of Japan, 2014, 83, 044801.	1.6	25
42	Reentrant nematic phase in 4-alkyl-4â€²-cyanobiphenyl (nCB) binary mixtures. Liquid Crystals, 2014, 41, 927-932.	2.2	29
43	Interplay between Phase Transition of DPPC Bilayer and Photoisomerization of Doped Stilbene Molecules. Chemistry Letters, 2014, 43, 1352-1354.	1.3	7
44	Thermodynamic properties of saponite, nontronite, and vermiculite derived from calorimetric measurements. American Mineralogist, 2013, 98, 1834-1847.	1.9	21
45	Universality of Molten State of Alkyl Chain in Liquid-Crystalline Mesophases: Smectic E Phase of 6-Alkyl-2-phenylazulene. Bulletin of the Chemical Society of Japan, 2013, 86, 1022-1027.	3.2	34
46	Identification of Hydrogen-Bonded Oligomers in Associating Liquid by 1H NMR: 1-Phenyl-1-cyclohexanol. Bulletin of the Chemical Society of Japan, 2013, 86, 569-576.	3.2	8
47	Cold Crystallization in Bis[1-(3-methylphenyl)iminomethylnaphthalen-2-olato]nickel(II) Studied by Thermal Analysis and X-ray Diffraction. Chemistry Letters, 2013, 42, 1040-1042.	1.3	9
48	Cell Gap Dependence of Nematic Backflow around Annihilating Disclination Pair. Journal of the Physical Society of Japan, 2012, 81, 074603.	1.6	3
49	New Organic Ferroelectrics: Cocrystal of 5,5â€²-Dimethyl-2,2â€²-bipyridine and Bromanilic Acid. Chemistry Letters, 2012, 41, 119-121.	1.3	14
50	Molecular Mechanism Responsible for Reentrance to Ia3d Gyroid Phase in Cubic Mesogen BABH(n). Journal of the Physical Society of Japan, 2012, 81, 094601.	1.6	42
51	Calorimetric Study of Glass Transition in Molecular Liquids Consisting of Globular Associates: Dicyclorohexylmethanol and Tricyclohexylmethanol. Journal of Physical Chemistry B, 2012, 116, 3938-3943.	2.6	22
52	Comprehensive characterisation of the E phase of 6-octyl-2-phenylazulene. Liquid Crystals, 2012, 39, 1340-1344.	2.2	12
53	Calorimetric and Spectroscopic Evidence of Chain-Melting in Smectic E and Smectic A Phases of 4-Alkyl-4â€²-isothiocyanatobiphenyl (nTCB). Journal of Physical Chemistry B, 2012, 116, 9255-9260.	2.6	56
54	Negative thermal expansion emerging upon structural phase transition in ZrV2O7 and HfV2O7. Dalton Transactions, 2011, 40, 2242.	3.3	40

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55	Effect ofCisandTransDouble Bonds on Conformational Disordering of the Hydrocarbon Chain of Lipid, Unsaturated Monoacylglycerols, in the Lamellar Phase of a Binary System with Water. Journal of Physical Chemistry B, 2011, 115, 14963-14968.	2.6	1
56	Study of Polymorphism of 4-Hexyl-4â€²-isothiocyanatobiphenyl by Complementary Methods. Journal of Physical Chemistry B, 2011, 115, 12327-12335.	2.6	30
57	Polarization reversal by intramolecular disordering in organic ferroelectrics: trichloroacetamide. CrystEngComm, 2011, 13, 2693.	2.6	14
58	Experimental assessment of quasi-binary picture of thermotropics: Induced smectic A phase in 7CBâ€“n-heptane system. Journal of Chemical Physics, 2011, 135, 044705.	3.0	31
59	Thermal Conductivity of YBCO Coated Conductors Reinforced by Metal Tape. IEEE Transactions on Applied Superconductivity, 2011, 21, 3037-3040.	1.7	16
60	Calorimetric and dielectric study of organic ferroelectrics, phenazine-chloranilic acid, and its bromo analog. Journal of Chemical Physics, 2009, 130, 034503.	3.0	24
61	Characteristic Phonon Spectrum of Negative Thermal Expansion Materials with Framework Structure through Calorimetric Study of Sc₂M₃O₁₂ (M = W and Mo). Chemistry of Materials, 2009, 21, 3008-3016.	6.7	50
62	Deduction of channel-length distribution from isothermal thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2008, 92, 391-394.	3.6	0
63	Coexistence of Two Aggregation Modes in Exotic Liquid-Crystalline Superstructure: Systematic Maximum Entropy Analysis for Cubic Mesogen, 1,2-Bis(4â€²-n-alkoxybenzoyl)hydrazine [BABH(n)]. Journal of Physical Chemistry B, 2008, 112, 12179-12181.	2.6	51
64	Calorimetric Study of Correlated Disordering in [Hdamel]₂[Cu^{II}(tdpd)₂]Â·2THF Crystal. Journal of Physical Chemistry A, 2008, 112, 4465-4469.	2.5	10
65	Possible Formation of Multicontinuous Structures by Rodlike Particles. Journal of the Physical Society of Japan, 2008, 77, 093601.	1.6	21
66	Rich polymorphism in 4â€²propylâ€4â€²â€thiocyanatoâ€1,1â€²â€biphenyl (3TCB) revealed by adiabatic calorimetry. Liquid Crystals, 2008, 35, 179-186.	2.2	16
67	One-dimensional correlation in the dipolar Ising crystal tricyclohexylmethanol: crystal structure revisited and heat capacity. Journal of Physics Condensed Matter, 2007, 19, 176219.	1.8	14
68	Comprehensive Interpretation of a Substitution Effect on an Orderâ^'Disorder Phase Transition in A1-xMxW2O8-y (A = Zr, Hf; M = Trivalent Cations) and Other ZrW2O8-Based Solid Solutions. Journal of Physical Chemistry B, 2007, 111, 10118-10122.	2.6	10
69	Possible Phonon Density of States of High-Temperature Phase Structure of the Negative Thermal Expansion Compound ZrW2O8. Journal of the Physical Society of Japan, 2007, 76, 123603.	1.6	3
70	Low-Temperature Phase Transitions of an Organic Ferroelectrics, Phenazineâ€“Chloranilic Acid. Journal of the Physical Society of Japan, 2006, 75, 033601.	1.6	19
71	Phase Transition of Zr1-xHfxV2O7 Solid Solutions Having Negative Thermal Expansion. Journal of the Ceramic Society of Japan, 2006, 114, 607-611.	1.3	29
72	Low-temperature heat capacities and Raman spectra of negative thermal expansion compoundsZrW2O8andHfW2O8. Physical Review B, 2002, 66, .	3.2	58

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73	Entropic evidence of the order-disorder nature of the phase transition inp-terphenyl crystal. Journal of Physics Condensed Matter, 1998, 10, 3359-3366.	1.8	9
74	Disappearance of a Displacive Phase Transition in Crystalline Biphenyl by a Small Amount of Impurity*. Journal of the Physical Society of Japan, 1998, 67, 1649-1654.	1.6	13
75	Heat capacity measurements and phase transition of crystalline 4,4â€³-difluoro-p-terphenyl. Journal of Physics and Chemistry of Solids, 1995, 56, 107-115.	4.0	59
76	Phase transition in crystalline p-polyphenyls: Heat capacity of 4,4â€´-difluoro-p-quaterphenyl. Solid State Communications, 1994, 92, 495-499.	1.9	23
77	Phase transition associated with molecular twisting in crystalline 4,4â€³-difluoro-p-terphenyl displacive or order-disorder transition?. Solid State Communications, 1993, 87, 903-906.	1.9	19