

Isao Yoshikawa

List of Publications by Year in descending order

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2450
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#	ARTICLE	IF	CITATIONS
1	Spectroscopic Tracking of Salicylideneaniline Photocolored Crystals: An Attempt to Quantify Polymorph-Dependent Features toward Precise Structure-Function Correlation Analysis. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4164-4175.	1.1	2
2	Molecular Structural Insight into the Cold Crystallization Process of Ionic Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10668-10676.	1.5	3
3	Ratchet-like mechanism in a long-life photoproduct of salicylideneaniline enclathrated in a pillared-layer guanidinium disulfonate structure. <i>RSC Advances</i> , 2021, 11, 13739-13742.	1.7	1
4	Synthesis, characterization of calix[5]azulene and its complexation with pyridinium salts. <i>Tetrahedron</i> , 2021, 88, 132146.	1.0	4
5	Homologue Approach, an effective way to modify crystal packing: Distinct Odd-Even Effect on Chromic Functions of Salicylidenealkylamines and Finer Classification of Photochromic Behavior Associated with Crystalline Polymorphs. <i>Crystal Growth and Design</i> , 2021, 21, 4121-4132.	1.4	8
6	Cold Crystallization and the Molecular Structure of Imidazolium-Based Ionic Liquid Crystals with a <i>p</i> -Nitroazobenzene Moiety. <i>ACS Omega</i> , 2021, 6, 32869-32878.	1.6	12
7	Seed-triggered solid-to-solid transformation between color polymorphs: striking differences between quasi-isomorphous crystals of dichloro-substituted salicylideneaniline regioisomers. <i>CrystEngComm</i> , 2020, 22, 4903-4913.	1.3	3
8	Accurate chiral pattern recognition for amines from just a single chemosensor. <i>Chemical Science</i> , 2020, 11, 3790-3796.	3.7	34
9	A superelastochromic crystal. <i>Nature Communications</i> , 2020, 11, 1824.	5.8	61
10	Photochromism of salicylideneanilines bearing super bulky substituents: Single-crystal UV-vis spectroscopic examination of bleaching under variable temperature and visible-light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 385, 112096.	2.0	11
11	Development of Imidazo[1,2- <i>a</i>]pyridine Derivatives with an Intramolecular Hydrogen-Bonded Seven-Membered Ring Exhibiting Bright ESIPT Luminescence in the Solid State. <i>Organic Letters</i> , 2019, 21, 2143-2146.	2.4	34
12	Re-evaluation of the <i>tert</i> -Butyl Method in Crystal Engineering of Salicylideneanilines by Simultaneous Observation of Photochromism and Thermochromism in Single Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 1384-1390.	1.4	19
13	Insight into Structural Demand for Cold Crystallization of a Small Molecule. A Case Study for Schiff Base Compounds that Exhibit Prototropic Tautomerization. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 669-677.	2.0	19
14	Thermal and spectroscopic studies on the modification of the crystalline structure of a Schiff-base complex induced by a co-existing metalofoldamer in eutectic mixtures. <i>Thermochimica Acta</i> , 2018, 669, 52-59.	1.2	1
15	Dinuclear fused salen complexes of group-10 metals: Peculiarity of the crystal structure and near-infrared luminescence of a bis(Pt-salen) complex. <i>Inorganica Chimica Acta</i> , 2017, 461, 27-34.	1.2	12
16	Spontaneous ligand nitrosation and self-assembly into a pentacopper metallacrown complex. <i>Dalton Transactions</i> , 2017, 46, 2760-2764.	1.6	5
17	Synthesis and Properties of Salicylaldehydes Fine-Tuned by Modular Assembly using "Plug-and-Socket" Type Extendibility. <i>Chemistry - A European Journal</i> , 2017, 23, 8286-8294.	1.7	4
18	Single-crystal UV-vis spectroscopic examination of a striking odd-even effect on structure and chromic behaviour of salicylidene alkylamines. <i>Chemical Communications</i> , 2017, 53, 10898-10901.	2.2	15

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19	Effects of interaction between the chelate rings and π -conjugated systems in fused salphen complexes on UV-Vis-NIR spectra. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3635.	0.9	3
20	Effects of a semiflexible linker on the mechanochromic photoluminescence of bis(Pt-salphen) complex. <i>Polyhedron</i> , 2016, 113, 123-131.	1.0	14
21	Supercooling and Cold Crystallization of Ni-salphen Complexes by Hybridization with Bis(Ni-salphen) Containing a Semiflexible Linker. <i>Chemistry Letters</i> , 2016, 45, 1415-1417.	0.7	9
22	Photooxidation and Photoluminescence of Triarylmethane Dye-Conjugated Zinc Complexes: Optical Anisotropy and Optical Activity Emerging from Distinct Crystal Packing Modes. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 698-705.	2.0	3
23	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.	2.0	12
24	Solid-State Characterization of a Fused Salphen-Nickel Metallopolymer Prepared via Transmetalation in a Heterogeneous Reaction System. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 906-911.	1.9	2
25	Triarylmethane dye-conjugated hexanuclear zinc complexes: Photophysical properties and cyanide anion-binding behavior. <i>Dyes and Pigments</i> , 2015, 121, 372-378.	2.0	3
26	Cold Crystallization in Schiff-Base Nickel(II) Complexes Derived from Three Toluidine Isomers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27664-27671.	1.5	30
27	Heteroleptic ruthenium complexes with 6-(ortho-substituted phenyl)-2,2'-bipyridine derivatives. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 312-319.	0.8	6
28	Spontaneous helical folding of bis(Ni-salphen) complexes in solution and in the solid state: spectroscopic tracking of the unfolding process induced by Na ⁺ ions. <i>Dalton Transactions</i> , 2014, 43, 5899.	1.6	8
29	Spectroscopic Tracking of Schiff Base Compounds TM Hydrogen Bonding Reorganization Associated with Solid-to-Solid Phase Transition. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6979-6984.	1.1	1
30	Coordination Oligomers and Polymers of an Oxazole-appended Zinc Chlorophyll Derivative. <i>Chemistry Letters</i> , 2014, 43, 862-864.	0.7	10
31	Mutual Interference between Intramolecular Proton Transfer Sites through the Adjoining π -Conjugated System in Schiff Bases of Double-Headed, Fused Salicylaldehydes. <i>Journal of Organic Chemistry</i> , 2013, 78, 9021-9031.	1.7	20
32	Amphiphilic sulfamide as a low-molecular-mass hydrogelator: A novel mode of 3-D networks formed by hydrogen-bond-directed 2-D sheet assemblies. <i>Journal of Colloid and Interface Science</i> , 2013, 408, 107-112.	5.0	8
33	A Redox-Active, Amphoteric Pyrogallolaldehyde Derivative: Electrochemical Characterization and Schiff Base Formation for Constructing Multifunctional Salphen Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 698-706.	2.0	1
34	Solid-state luminescence of tetraphenylpyrene derivatives: mechano/vapochromic luminescence of 1,3,6,8-tetra(4-carboxyphenyl)pyrene. <i>Journal of Materials Chemistry</i> , 2012, 22, 20065.	6.7	36
35	Dry Micromanipulation of Supramolecular Giant Vesicles on a Silicon Substrate: Highly Stable Hydrogen-Bond-Directed Nanosheet Membrane. <i>Journal of the American Chemical Society</i> , 2012, 134, 15684-15687.	6.6	9
36	Hydrogen-Bond-Directed Giant Unilamellar Vesicles of Guanosine Derivative: Preparation, Properties, and Fusion. <i>Langmuir</i> , 2011, 27, 8653-8658.	1.6	18

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37	Hydrogen-Bond-Directed 2-D Sheet Assemblies of Sulfamide Derivatives: Formation of Giant Vesicles with Patchwork-Like Surface Pattern. <i>Langmuir</i> , 2011, 27, 8950-8955.	1.6	11
38	Relation between Crystal Packing and Optical Anisotropy for Schiff Base-Nickel Complexes that Form Various Ladder-like Hydrogen-Bonding Networks. <i>Crystal Growth and Design</i> , 2011, 11, 5113-5121.	1.4	18
39	Piezochromic luminescence of amide and ester derivatives of tetraphenylpyrene—role of amide hydrogen bonds in sensitive piezochromic response. <i>Journal of Materials Chemistry</i> , 2011, 21, 8347.	6.7	105
40	Blue/Red Linear Dichroic Emission from a Highly Anisotropic Crystal of Triarylmethane Dye Conjugated with Phenoxo—Zinc Complexes. <i>Chemistry - A European Journal</i> , 2011, 17, 1122-1127.	1.7	7
41	Hydrogen-Bond-Directed Giant Vesicles of Guanosine Derivatives in Water: Formation, Structure, and Stability. <i>Langmuir</i> , 2010, 26, 8030-8035.	1.6	7
42	Novel sulfamide-type low-molecular-mass gelators: gelation of aqueous, organic, and aqueous/organic biphasic solutions by hydrogen bond-directed 2-D amphiphilic sheet assemblies. <i>Soft Matter</i> , 2010, 6, 5305.	1.2	13
43	Experimental and Theoretical Studies on Constitutional Isomers of 2,6-Dihydroxynaphthalene Carbaldehydes. Effects of Resonance-Assisted Hydrogen Bonding on the Electronic Absorption Spectra. <i>Journal of Organic Chemistry</i> , 2009, 74, 520-529.	1.7	36
44	A High-contrast Dichroic Crystal: A New Metal-containing Tecton with Hybrid Coordination- and Hydrogen-bonding Interactions. <i>Chemistry Letters</i> , 2009, 38, 436-437.	0.7	3
45	Synthesis and Structural Analysis of Triphenylmethane-Based Alkanecarboxamides and Their Assembly into Nanometer-Size Fibrous Objects. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 730-736.	2.0	6
46	Switchable Antenna: A Star-Shaped Ruthenium/Osmium Tetranuclear Complex with Azobis(bipyridine) Bridging Ligands. <i>Chemistry - A European Journal</i> , 2008, 14, 2709-2718.	1.7	21
47	Highly Stable Giant Supramolecular Vesicles Composed of 2D Hydrogen-Bonded Sheet Structures of Guanosine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1038-1041.	7.2	68
48	Material Design for Piezochromic Luminescence: A Hydrogen-Bond-Directed Assemblies of a Pyrene Derivative. <i>Journal of the American Chemical Society</i> , 2007, 129, 1520-1521.	6.6	582
49	Nucleoside-based organogelators: gelation by the G—C base pair formation of alkylsilylated guanosine derivatives. <i>Tetrahedron</i> , 2007, 63, 7474-7481.	1.0	35
50	Photochromism of 2-(Phenylazo)imidazoles. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8064-8069.	1.1	104
51	Nucleobase-Containing Gelators. <i>Topics in Current Chemistry</i> , 2005, 256, 133-165.	4.0	126
52	From Supramolecular Polymers to Supramolecular Materials. <i>Oleoscience</i> , 2005, 5, 265-272.	0.0	0
53	Design and Fabrication of a Flexible and Self-Supporting Supramolecular Film by Hierarchical Control of the Interaction between Hydrogen-Bonded Sheet Assemblies. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 100-103.	7.2	42
54	Use of an adjustable soft segment as an effective molecular design for crystal engineering of hydrogen-bonded tape motifs Electronic supplementary information (ESI) available: figures of tape motifs and table of hydrogen bond distances for alkylsilylated nucleoside crystals. See http://www.rsc.org/suppdata/ob/b3/b315769e/ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1125.	1.5	16

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55	Steric-Factor-Directed Alternating Supramolecular Copolymer Composed of Hydrogen-Bonded Cyclohexanetricarboxamide Units. <i>Macromolecular Rapid Communications</i> , 2003, 24, 335-339.	2.0	20
56	Synthesis and Structural, Electrochemical, and Optical Properties of Ru(II) Complexes with Azobis(2,2'-bipyridine)s. <i>Inorganic Chemistry</i> , 2003, 42, 3057-3066.	1.9	55
57	Tetranuclear Ru Complex Linked via Redox-Active Azobis(bipyridine) Ligands as a Redox-Responsive Photoswitch. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1185-1189.	2.0	6
58	Design, Fabrication and Properties of Triamidocyclohexane Supramolecular Fibers Consisted of Hydrogen-Bonded Pseudo-Polymer Chains.. <i>Kobunshi Ronbunshu</i> , 2002, 59, 616-622.	0.2	3
59	Design, fabrication, and properties of macroscale supramolecular fibers consisted of fully hydrogen-bonded pseudo-polymer chains. <i>Chemical Communications</i> , 2001, , 1826-1827.	2.2	39
60	Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 3018-3022.	6.7	39
61	Crystal Structure Consisting Both of Segregated and Mixed Donor-acceptor Columns. <i>Chemistry Letters</i> , 2001, 30, 1144-1145.	0.7	3
62	Study on microstructures of mixed monolayers of poly (octadecylacrylate) and octadecanol in relation to the retardation of water evaporation. <i>Thin Solid Films</i> , 1998, 327-329, 109-112.	0.8	19