

# Kiyonori Takahashi

## List of Publications by Year in descending order

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43  
papers

853  
citations

686830

13  
h-index

500791

28  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing Hydrogen-Bonded Organic Frameworks (HOFs) with Permanent Porosity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11160-11170.	7.2	414
2	Flexible Electronic Substrate Film Fabricated Using Natural Clay and Wood Components with Cross-Linking Polymer. <i>Advanced Materials</i> , 2017, 29, 1606512.	11.1	48
3	Amplified and Multicolor Emission from Films and Interfacial Layers of Lead Halide Perovskite Nanocrystals. <i>ACS Energy Letters</i> , 2019, 4, 133-141.	8.8	41
4	Structural Flexibilities and Gas Adsorption Properties of One-Dimensional Copper(II) Polymers with Paddle-Wheel Units by Modification of Benzoate Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 9423-9431.	1.9	29
5	Crystallization of Methylammonium Lead Halide Perovskites by Optical Trapping. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13424-13428.	7.2	25
6	Mechanochromic Luminescence from Crystals Consisting of Intermolecular Hydrogen-Bonded Sheets. <i>Chemistry - an Asian Journal</i> , 2020, 15, 478-482.	1.7	20
7	Mixed-halide perovskite synthesis by chemical reaction and crystal nucleation under an optical potential. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	17
8	Huge Dielectric Response and Molecular Motions in Paddle-Wheel [Cu <sup>II</sup> (Adamantylcarboxylate) <sub>4</sub> (DMF) <sub>2</sub> ] <sub>n</sub> ... (DMF) <sub>2</sub> . <i>Chemistry - A European Journal</i> , 2011, 17, 14442-14449.	1.7	16
9	Enhancement of Electrocatalytic Oxygen Reduction Activity and Durability of Pt-Ni Rhombic Dodecahedral Nanoframes by Anchoring to Nitrogen-Doped Carbon Support. <i>ACS Omega</i> , 2018, 3, 9052-9059.	1.6	16
10	A proton conductive hydrogen-bonded framework incorporating 18-crown-6-ether and dicarboxy-terphenyl moieties. <i>Materials Advances</i> , 2021, 2, 5639-5644.	2.6	16
11	Crystal structures, CO <sub>2</sub> adsorption, and dielectric properties of [Cu <sub>2</sub> (R-benzoate) <sub>4</sub> (pyrazine)] <sub>n</sub> polymers (R = m-F, Tj). <i>Chemistry - A European Journal</i> , 2014, 10, 14814-14821.	1.7	14
12	Photon Recycling by Energy Transfer in Piezochemically Synthesized and Close-Packed Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27752-27758.	1.5	13
13	Hydrogen-Bonded Polyrotaxane Cation Structure in Nickel Dithiolate Anion Radical Salts: Ferromagnetic and Semiconducting Behavior Associated with Structural Phase Transition. <i>Chemistry - A European Journal</i> , 2019, 25, 6920-6927.	1.7	13
14	Positional Effects of Annelated Pyrazine Rings on Structure and Stability of Hydrogen-Bonded Frameworks of Hexaazatrinaphthylene Derivatives. <i>Crystal Growth and Design</i> , 2020, 20, 3190-3198.	1.4	12
15	A Hydrogen-Bonded Organic Framework Based on Pyrazinopyrazine. <i>Crystal Growth and Design</i> , 2021, 21, 4656-4664.	1.4	12
16	Host-Guest Molecular Crystals of Diamino-4,4-bithiazole and Dynamic Molecular Motions via Guest Sorption. <i>Crystal Growth and Design</i> , 2018, 18, 286-296.	1.4	10
17	Two-step mechanoresponsive luminescence and mechanical stimuli-induced release of small molecules exhibited by a luminescent cyclophane. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1671-1677.	2.7	10
18	A Temporarily Pore-Openable Porous Coordination Polymer for Guest Adsorption/Desorption. <i>Inorganic Chemistry</i> , 2021, 60, 4531-4538.	1.9	10

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19	Dielectric and Sorption Responses of Hydrogen-Bonding Network of Amorphous C <sub>60</sub> (OH) <sub>12</sub> and C <sub>60</sub> (OH) <sub>36</sub> . Journal of Physical Chemistry C, 2019, 123, 23545-23553.	1.5	9
20	Mechanical and thermal stimuli-induced release of toluene included in luminescent crystals as one-dimensional solvent channels. Journal of Materials Chemistry C, 2020, 8, 10039-10046.	2.7	9
21	A hydrogen-bonded organic framework based on redox-active tri(dithiolylidene)cyclohexanetrione. Chemical Communications, 2021, 57, 1157-1160.	2.2	9
22	Designing Hydrogen-Bonded Organic Frameworks (HOFs) with Permanent Porosity. Angewandte Chemie, 2019, 131, 11278-11288.	1.6	7
23	Understanding the interactions between the bis(trifluoromethylsulfonyl)imide anion and absorbed CO <sub>2</sub> using X-ray diffraction analysis of a soft crystal surrogate. Communications Chemistry, 2020, 3, .	2.0	7
24	Structural Phase Transitions of a Molecular Metal Oxide. Angewandte Chemie - International Edition, 2020, 59, 22446-22450.	7.2	7
25	Solid-State Spin Equilibrium of Ni(cyclam) <sub>2</sub> Complex: Magnetostructural Correlations in Two Polymorphs. Inorganic Chemistry, 2020, 59, 5418-5423.	1.9	7
26	A Series of Bisamide-Substituted Diacetylenes Exhibiting a Terminal Alkyl Odd/Even Parity Effect on Mechanoactivated Photopolymerization. Chemistry - A European Journal, 2021, 27, 3832-3841.	1.7	6
27	Crystal structure of a 1,6-bis(phenylethynyl)pyrene-based cyclophane that exhibits mechanochromic luminescence. Molecular Systems Design and Engineering, 2021, 6, 1039-1046.	1.7	6
28	Crystal structure and thermoresponsive luminescence of a 9,10-bis(phenylethynyl)anthracene-based cyclophane. Molecular Systems Design and Engineering, 2020, 5, 205-211.	1.7	5
29	Molecular motion of halogenated ethylammonium/[18]crown-6 supramolecular ions in nickel dithiolate magnetic crystals. CrystEngComm, 2021, 23, 2756-2763.	1.3	5
30	The crystal design of polar one-dimensional hydrogen-bonded copper coordination complexes. Dalton Transactions, 2016, 45, 3398-3406.	1.6	4
31	Gas sorption of nano-porous supramolecules formed by multi-hydrogen bonded coordination capsules. Chemical Communications, 2021, 57, 2249-2252.	2.2	4
32	One-dimensional DABCO hydrogen-bonding chain in a hexagonal channel of magnetic [Ni(dmit) <sub>2</sub> ]. Dalton Transactions, 2020, 49, 16772-16777.	1.6	3
33	Dipole fluctuation and structural phase transition in hydrogen-bonding molecular assemblies of mononuclear CuII complexes with polar fluorobenzoate ligands. Dalton Transactions, 2021, 50, 13680-13685.	1.6	3
34	Cation-anion packing and molecular motion in (m-fluoroanilinium)(dibenzo[18]crown-6)[Ni(mnt) <sub>2</sub> ](CH <sub>3</sub> CN) <sub>0.25</sub> crystals. CrystEngComm, 2012, 14, 5235.	1.3	2
35	Mesophases and Ionic Conductivities of Simple Organic Salts of M(m-Iodobenzoate) (M = Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> ). Tj ETQq1 1,0,784314,rgBT/O	1.2	2
36	A Synchronous Change in Fluid Space and Encapsulated Anions in a Crystalline Polymethylene Unit Containing Metal-Organic Framework. Crystal Growth and Design, 2020, 20, 3596-3600.	1.4	2

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37	Substituent Effect on Molecular Motions of m-Halogenated Anilinium/Dibenzo[18]crown-6 Supramolecular Cations in [Ni(dmit) <sub>2</sub> ] <sup>+</sup> Crystals. <i>Crystal Growth and Design</i> , 2021, 21, 2340-2347.	1.4	2
38	Layered Hydrogen-Bonded Organic Frameworks as Highly Crystalline Porous Materials. , 2020, , 199-220.		2
39	Crystal Structures, Dielectric, and CO <sub>2</sub> -Adsorption Properties of One-Dimensional [Cu(II) <sub>2</sub> (Adamantane-1-carboxylate) <sub>4</sub> (pyrazine)] <sup>+</sup> Coordination Polymers with Polar Ligands. <i>Science of Advanced Materials</i> . 2014, 6, 1417-1424.	0.1	1
40	Porous Organic Frameworks Constructed through Hydrogen-Bonding of Carboxy Groups. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 706-715.	0.0	1
41	Mechanical Force Induced Formation of Extrinsic Micropores in Coordination Polymers. <i>Inorganic Chemistry</i> , 2022, 61, 3379-3386.	1.9	1
42	Frontispiece: Hydrogen-Bonded Polyrotaxane Cation Structure in Nickel Dithiolate Anion Radical Salts: Ferromagnetic and Semiconducting Behavior Associated with Structural Phase Transition. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
43	Solvent Dependence of Crystal Structure and Dielectric Relaxation in Ferromagnetic [MnCr(oxalate) <sub>3</sub> ] <sup>+</sup> Salt. <i>Dalton Transactions</i> , 0, , .	1.6	0