

Kaname Yoshida

List of Publications by Year in descending order

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85
papers

4,030
citations

136885

32
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114418

63
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88
all docs

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docs citations

88
times ranked

5136
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Nanorods Fabricated by Coordination Modulation and Oriented Attachment Growth. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4739-4743.	7.2	611
2	Self-Assembly of a Sugar-Based Gelator in Water: Its Remarkable Diversity in Gelation Ability and Aggregate Structure. <i>Langmuir</i> , 2001, 17, 7229-7232.	1.6	232
3	Supramolecular Donor-Acceptor Heterojunctions by Vectorial Stepwise Assembly of Porphyrins and Coordination-Bonded Fullerene Arrays for Photocurrent Generation. <i>Journal of the American Chemical Society</i> , 2009, 131, 3198-3200.	6.6	170
4	Spontaneous Fiber Formation and Hydrogelation of Nucleotide Bolaamphiphiles. <i>Chemistry of Materials</i> , 2002, 14, 3047-3053.	3.2	169
5	Nanocarbon Superhydrophobic Surfaces created from Fullerene-Based Hierarchical Supramolecular Assemblies. <i>Advanced Materials</i> , 2008, 20, 443-446.	11.1	165
6	Oligonucleotide-Templated Self-Assembly of Nucleotide Bolaamphiphiles: DNA-Like Nanofibers Edged by a Double-Helical Arrangement of A-T Base Pairs. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1009-1012.	7.2	134
7	Flower-Shaped Supramolecular Assemblies: Hierarchical Organization of a Fullerene Bearing Long Aliphatic Chains. <i>Small</i> , 2007, 3, 2019-2023.	5.2	134
8	Self-Assembling Structures of Long-Chain Phenyl Glucoside Influenced by the Introduction of Double Bonds. <i>Journal of the American Chemical Society</i> , 2002, 124, 10674-10675.	6.6	127
9	Creation of Novel Double-Helical Silica Nanotubes Using Binary Gel System. <i>Langmuir</i> , 2002, 18, 8724-8727.	1.6	116
10	Morphological Control of Helical Solid Bilayers in High-Axial-Ratio Nanostructures Through Binary Self-Assembly. <i>Chemistry - A European Journal</i> , 2002, 8, 5494-5500.	1.7	106
11	Creation of Double Silica Nanotubes by Using Crown-Appended Cholesterol Nanotubes. <i>Chemistry - A European Journal</i> , 2003, 9, 5307-5313.	1.7	100
12	Self-Assembly Made Durable: Water-Repellent Materials Formed by Cross-Linking Fullerene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2166-2170.	7.2	90
13	Effect of Organic Polymer Additive on Crystallization of Porous Coordination Polymer. <i>Chemistry of Materials</i> , 2006, 18, 992-995.	3.2	83
14	Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. <i>Journal of Materials Chemistry</i> , 2010, 20, 1253-1260.	6.7	83
15	Bead-Milling and Postmilling Recrystallization: An Organic Template-free Methodology for the Production of Nano-zeolites. <i>Crystal Growth and Design</i> , 2011, 11, 955-958.	1.4	74
16	Direct Sol-Gel Replication without Catalyst in an Aqueous Gel System: From a Lipid Nanotube with a Single Bilayer Wall to a Uniform Silica Hollow Cylinder with an Ultrathin Wall. <i>Chemistry of Materials</i> , 2004, 16, 250-254.	3.2	73
17	Effects of Porphyrin Substituents on Film Structure and Photoelectrochemical Properties of Porphyrin/Fullerene Composite Clusters Electrophoretically Deposited on Nanostructured SnO ₂ Electrodes. <i>Chemistry - A European Journal</i> , 2007, 13, 10182-10193.	1.7	70
18	Electrophoretic Deposition of Single-Walled Carbon Nanotubes Covalently Modified with Bulky Porphyrins on Nanostructured SnO ₂ Electrodes for Photoelectrochemical Devices. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11484-11493.	1.5	67

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19	Host-Guest Interactions in the Supramolecular Incorporation of Fullerenes into Tailored Holes on Porphyrin-Modified Gold Nanoparticles in Molecular Photovoltaics. <i>Chemistry - A European Journal</i> , 2005, 11, 7265-7275.	1.7	66
20	Retention of Intrinsic Electronic Properties of Soluble Single-Walled Carbon Nanotubes after a Significant Degree of Sidewall Functionalization by the Bingel Reaction. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9734-9741.	1.5	66
21	Substituent Effects of Porphyrins on Structures and Photophysical Properties of Amphiphilic Porphyrin Aggregates. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16517-16524.	1.2	64
22	Supramolecular Nanotube Hydrogels: Remarkable Resistance Effect of Confined Proteins to Denaturants. <i>Chemistry of Materials</i> , 2009, 21, 5892-5898.	3.2	63
23	Photophysics and photoelectrochemical properties of nano hybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). <i>Energy and Environmental Science</i> , 2011, 4, 741-750.	15.6	60
24	Confined organization of Au nanocrystals in glycolipid nanotube hollow cylinders. <i>Chemical Communications</i> , 2004, , 500-501.	2.2	57
25	Molecular Photoelectrochemical Devices: Supramolecular Incorporation of C60 Molecules into Tailored Holes on Porphyrin-Modified Gold Nanoclusters. <i>Advanced Materials</i> , 2005, 17, 1727-1730.	11.1	57
26	Carbon oxidation with Ag/ceria prepared by self-dispersion of Ag powder into nano-particles. <i>Catalysis Today</i> , 2011, 175, 93-99.	2.2	55
27	Ordered Supramolecular Assembly of Porphyrin-Fullerene Composites on Nanostructured SnO ₂ Electrodes. <i>Advanced Materials</i> , 2006, 18, 2549-2552.	11.1	53
28	A Photoelectrochemical Device with a Nanostructured SnO ₂ Electrode Modified with Composite Clusters of Porphyrin-Modified Silica Nanoparticle and Fullerene. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11399-11405.	1.2	52
29	Assembly of carbon nanotubes and alkylated fullerenes: nanocarbon hybrid towards photovoltaic applications. <i>Chemical Science</i> , 2011, 2, 2243.	3.7	47
30	Sol-Gel Synthesis of Low-Dimensional Silica within Coordination Nanochannels. <i>Journal of the American Chemical Society</i> , 2008, 130, 9216-9217.	6.6	44
31	Light Harvesting and Energy Transfer in Multiporphyrin-Modified CdSe Nanoparticles. <i>ChemSusChem</i> , 2008, 1, 254-261.	3.6	39
32	Atomic sites and stability of Cs ⁺ captured within zeolitic nanocavities. <i>Scientific Reports</i> , 2013, 3, 2457.	1.6	35
33	In situ electron microscopy analysis of electrochemical Zn deposition onto an electrode. <i>Journal of Power Sources</i> , 2021, 481, 228831.	4.0	33
34	One-dimensional organization of copper nanoparticles by chemical reduction of lipid-copper hybrid nanofibers. <i>Chemical Communications</i> , 2002, , 2492-2493.	2.2	30
35	Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes. <i>Chemical Communications</i> , 2011, 47, 11781.	2.2	28
36	Microscopic characterization of the C-F bonds in fluorine-graphite intercalation compounds. <i>Journal of Power Sources</i> , 2020, 445, 227320.	4.0	27

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37	Comparative Study on the Different Interaction Pathways between Amorphous Aluminosilicate Species and Organic Structure-Directing Agents Yielding Different Zeolite Phases. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24324-24334.	1.5	26
38	Effects of Fullerene Substituents on Structure and Photoelectrochemical Properties of Fullerene Nanoclusters Electrophoretically Deposited on Nanostructured SnO ₂ Electrodes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5700-5706.	1.2	24
39	Structure and photoelectrochemical properties of nanostructured SnO ₂ electrodes deposited electrophoretically with the composite clusters of porphyrin-modified gold nanoparticle with a long spacer and fullerene. <i>Tetrahedron</i> , 2006, 62, 1955-1966.	1.0	24
40	Ultrafast synthesis of high-silica erionite zeolites with improved hydrothermal stability. <i>Chemical Communications</i> , 2017, 53, 6796-6799.	2.2	24
41	Efficient photocurrent generation by SnO ₂ electrode modified electrophoretically with composite clusters of porphyrin-modified silica microparticle and fullerene. <i>Chemical Communications</i> , 2006, , 406-408.	2.2	21
42	Ultraporous 2D-channeled graphene-wrapped zeolite molecular sieving membranes for hydrogen separation. <i>Science Advances</i> , 2022, 8, eabl3521.	4.7	21
43	Structure and Photoelectrochemical Properties of Phthalocyanine and Perylene Diimide Composite Clusters Deposited Electrophoretically on Nanostructured SnO ₂ Electrodes. <i>Langmuir</i> , 2006, 22, 5497-5503.	1.6	20
44	Epitaxial growth of pentacene thin-film phase on alkali halides. <i>Thin Solid Films</i> , 2006, 515, 810-813.	0.8	20
45	Thermal stability, morphology and electronic band gap of Zn(NCN). <i>Solid State Sciences</i> , 2013, 23, 50-57.	1.5	20
46	Thin-Film Phase of Pentacene Film Formed on KCl by Vacuum Deposition. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 401-404.	0.8	19
47	Aggregated structure analysis of polymer-protected platinum/ruthenium colloidal dispersions using EXAFS, HRTEM, and electron diffraction measurements. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 64-78.	5.0	18
48	Synthesis of MCM-22 zeolite membranes and vapor permeation of water/acetic acid mixtures. <i>Journal of Membrane Science</i> , 2011, 372, 269-276.	4.1	18
49	Formation of Self-Assembled Glycolipid Nanotubes with Bilayer Sheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 960-964.	0.9	17
50	Atomic resolution ADF-STEM imaging of organic molecular crystal of halogenated copper phthalocyanine. <i>Ultramicroscopy</i> , 2008, 108, 545-551.	0.8	17
51	Coke deposition in the SAPO-34 membranes for examining the effects of zeolitic and non-zeolitic pathways on the permeation and separation properties in gas and vapor permeations. <i>Journal of Membrane Science</i> , 2012, 415-416, 176-180.	4.1	17
52	Drastic sensitivity enhancement in ²⁹ Si MAS NMR of zeolites and mesoporous silica materials by paramagnetic doping of Cu ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13523.	1.3	17
53	Optimal accelerating voltage for HRTEM imaging of zeolite. <i>Microscopy (Oxford, England)</i> , 2013, 62, 369-375.	0.7	17
54	Synthesis and Characterization of Chromium-Added Pt/Beta Zeolite and its Catalytic Performance for n-Heptane Isomerization. <i>Catalysis Letters</i> , 2013, 143, 486-494.	1.4	15

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55	Characterization of layered silicate HUS-5 and formation of novel nanoporous silica through transformation of HUS-5 ion-exchanged with alkylammonium cations. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9680.	5.2	13
56	Formation of a dense non-crystalline layer on the surface of zeolite Y crystals under high-temperature steaming conditions. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 77-83.	2.2	13
57	Physicochemical Characterization of Highly Dispersed Platinum and Chromium on Zeolite Beta. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10746-10753.	1.5	12
58	High-resolution imaging of zeolite with aberration-corrected transmission electron microscopy. <i>AIP Advances</i> , 2013, 3, .	0.6	10
59	Critical conditions for atomic resolution imaging of molecular crystals by aberration-corrected HRTEM. <i>Ultramicroscopy</i> , 2015, 159, 73-80.	0.8	10
60	In situ electron microscopic observation of electrochemical Li-intercalation into MoS ₂ . <i>Solid State Ionics</i> , 2020, 357, 115488.	1.3	10
61	Crystal structure of copper perchlorophthalocyanine analysed by 3D electron diffraction. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 662-675.	0.5	9
62	Structure of TiO ₂ Nanorods Formed with Double Surfactants. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 491, 14-20.	0.4	8
63	Catalytic oxidation of carbon nanotubes with noble metal nanoparticles. <i>Micron</i> , 2015, 76, 19-22.	1.1	8
64	On-Chip Electrochemical Analysis Combined with Liquid-Phase Electron Microscopy of Zinc Deposition/Dissolution. <i>Journal of the Electrochemical Society</i> , 2021, 168, 112511.	1.3	8
65	Atomic force microscopic observation of phase transformation process of bis(1,2-benzoquinonedioximato)platinum(II). <i>Thin Solid Films</i> , 2001, 393, 319-324.	0.8	7
66	Inhomogeneous substitution of polyhalogenated copper-phthalocyanine studied by high-resolution imaging and electron crystallography. <i>Journal of Electron Microscopy</i> , 2003, 52, 85-90.	0.9	7
67	Catalytic behavior of noble metal nanoparticles for the hydrogenation and oxidation of multiwalled carbon nanotubes. <i>Microscopy (Oxford, England)</i> , 2016, 65, 309-315.	0.7	6
68	Structural analyses of sodium cations embedded within zeolitic nanocavities. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 195-202.	2.2	6
69	Dependence of Optical Absorption Spectra on Structures of Bis(1,2-Benzoquinonedioximato)Pt(II) Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 342, 121-126.	0.3	5
70	Control of Crystal Structure and Orientation of Ni(salen) by Epitaxial Growth on Alkali Halide. <i>Chemistry of Materials</i> , 2007, 19, 6174-6179.	3.2	5
71	Structural Aspects of Reversible Control of Optical Activities of Bis(dimethylglyoximato)platinum(II) Thin Film. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 71-74.	0.3	3
72	Structure of Green-Phase of Bis(diphenylglyoximato)Pt(II) with High χ^2 . <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 15-18.	0.3	3

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73	Selective On-top Crystal Nucleation in Organic Multilayer Formation. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 322, 161-166.	0.3	3
74	In Situ Atomic Force Microscopy Observation of the Desorption Process from Monomolecular Organic Layers of a Naphthalene Derivative. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 4606-4609.	0.8	3
75	STM and STS Studies on Platinum Chains in Bis(1,2-Benzoquinonedioximato)Platinum. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 463, 293/[575]-300/[582].	0.4	3
76	High Resolution ADF-STEM Imaging Application for Organic Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 492, 200/[564]-209/[573].	0.4	3
77	Epitaxial Orientation of Dimethylglyoximatoplatinum(II) on Various Substrates. <i>Crystal Growth and Design</i> , 2009, 9, 2582-2587.	1.4	3
78	Accumulation of supramolecular nanoparticles self-assembled from a bola-shaped cytidylic acid-appended fluorescein dye in cell nuclei. <i>Chemical Communications</i> , 2014, 50, 9295-9297.	2.2	3
79	Structural Analysis of Bis(1,2-benzoquinonedioximato)platinum(II) Polymorphs Formed Epitaxially on Alkali Halides. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 491-494.	0.8	2
80	Catalytic Etching of Multi-Walled Carbon Nanotubes Controlled by Oxygen Gas Pressure. <i>ChemCatChem</i> , 2018, 10, 2205-2209.	1.8	2
81	Synthesis and evaluation of zeolite surface-modified perlite. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 115-121.	0.5	2
82	Design and Fabrication of an Electrochemical Chip for Liquid-Phase Transmission Electron Microscopy. <i>Microscopy (Oxford, England)</i> , 2022, , .	0.7	2
83	Reliable electrochemical setup for <i>in situ</i> observations with an atmospheric SEM. <i>Microscopy (Oxford, England)</i> , 2022, 71, 311-314.	0.7	2
84	Epitaxial Growth of Bis(dimethylglyoximato)platinum(II) Accompanied by Hole Formation. <i>Crystal Growth and Design</i> , 2020, 20, 7271-7275.	1.4	1
85	Facile Synthesis of Nano-Sized Zeolite by Recrystallization of Milled Zeolite with Small Amount of NaOH Solution. <i>Advanced Porous Materials</i> , 2013, 1, 214-218.	0.3	1