

Kazukuni Tahara

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4135935/kazukuni-tahara-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

5,314
citations

40
h-index

71
g-index

122
ext. papers

5,681
ext. citations

8.7
avg, IF

5.42
L-index

#	Paper	IF	Citations
115	Two-dimensional porous molecular networks of dehydrobenzo[12]annulene derivatives via alkyl chain interdigitation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16613-25	16.4	323
114	Molecular loops and belts. <i>Chemical Reviews</i> , 2006 , 106, 5274-90	68.1	299
113	One building block, two different supramolecular surface-confined patterns: concentration in control at the solid-liquid interface. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2964-8	16.4	255
112	Covalent modification of graphene and graphite using diazonium chemistry: tunable grafting and nanomanipulation. <i>ACS Nano</i> , 2015 , 9, 5520-35	16.7	221
111	Structural transformation of a two-dimensional molecular network in response to selective guest inclusion. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2831-4	16.4	174
110	Synthesis, structure, and aromaticity of a hoop-shaped cyclic benzenoid [10]cyclophenacene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2834-5	16.4	166
109	Temperature-induced structural phase transitions in a two-dimensional self-assembled network. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12068-75	16.4	158
108	Supramolecular surface-confined architectures created by self-assembly of triangular phenylene-ethynylene macrocycles via van der Waals interaction. <i>Chemical Communications</i> , 2010 , 46, 8507-25	5.8	158
107	Control and induction of surface-confined homochiral porous molecular networks. <i>Nature Chemistry</i> , 2011 , 3, 714-9	17.6	155
106	Theoretical studies on structures and aromaticity of finite-length armchair carbon nanotubes. <i>Organic Letters</i> , 2003 , 5, 3181-4	6.2	149
105	Programmable hierarchical three-component 2D assembly at a liquid-solid interface: recognition, selection, and transformation. <i>Nano Letters</i> , 2008 , 8, 2541-6	11.5	145
104	Two-dimensional crystal engineering: a four-component architecture at a liquid-solid interface. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7353-7	16.4	140
103	Molecular clusters in two-dimensional surface-confined nanoporous molecular networks: structure, rigidity, and dynamics. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7119-29	16.4	140
102	Molecular geometry directed Kagom \ddot{u} and honeycomb networks: toward two-dimensional crystal engineering. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3502-3	16.4	133
101	2D networks of rhombic-shaped fused dehydrobenzo[12]annulenes: structural variations under concentration control. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17583-90	16.4	114
100	Synthesis and properties of trefoil-shaped tris(hexadehydrotribenzo[12]annulene) and tris(tetradehydrotribenzo[12]annulene). <i>Organic Letters</i> , 2006 , 8, 2933-6	6.2	101
99	Donors and acceptors based on triangular dehydrobenzo[12]annulenes: formation of a triple-layered rosette structure by a charge-transfer complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14339-45	16.4	84

98	Dynamic control over supramolecular handedness by selecting chiral induction pathways at the solution-solid interface. <i>Nature Chemistry</i> , 2016 , 8, 711-7	17.6	83
97	Creation of hoop- and bowl-shaped benzenoid systems by selective detracting of [60]fullerene conjugation. [10]cyclophenacene and fused corannulene derivatives. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8725-34	16.4	77
96	Synthesis of dehydrobenzo[18]annulene derivatives and formation of self-assembled monolayers: implications of core size on alkyl chain interdigitation. <i>Langmuir</i> , 2007 , 23, 10190-7	4	76
95	Role of substrate in directing the self-assembly of multicomponent supramolecular networks at the liquid-solid interface. <i>ACS Nano</i> , 2012 , 6, 8381-9	16.7	69
94	One building block, two different nanoporous self-assembled monolayers: a combined STM and Monte Carlo study. <i>ACS Nano</i> , 2012 , 6, 897-903	16.7	68
93	Site-selective guest inclusion in molecular networks of butadiyne-bridged pyridino and benzeno square macrocycles on a surface. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6666-7	16.4	64
92	Thermal control of sequential on-surface transformation of a hydrocarbon molecule on a copper surface. <i>Nature Communications</i> , 2016 , 7, 12711	17.4	63
91	Solvent-induced homochirality in surface-confined low-density nanoporous molecular networks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19568-71	16.4	63
90	One Building Block, Two Different Supramolecular Surface-Confined Patterns: Concentration in Control at the Solid-Liquid Interface. <i>Angewandte Chemie</i> , 2008 , 120, 3006-3010	3.6	63
89	Adaptive Building Blocks Consisting of Rigid Triangular Core and Flexible Alkoxy Chains for Self-Assembly at Liquid/Solid Interfaces. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 1277-1306	5.1	59
88	Theoretical studies on graphyne substructures: geometry, aromaticity, and electronic properties of the multiply fused dehydrobenzo[12]annulenes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 1437-42	4.2	56
87	Synthesis and electrochemistry of double-decker buckyferrocenes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7154-5	16.4	55
86	Syntheses and properties of graphyne fragments: trigonally expanded dehydrobenzo[12]annulenes. <i>Chemistry - A European Journal</i> , 2013 , 19, 11251-60	4.8	54
85	Giant molecular spoked wheels in giant voids: two-dimensional molecular self-assembly goes big. <i>Chemical Communications</i> , 2008 , 3897-9	5.8	54
84	Tailoring surface-confined nanopores with photoresponsive groups. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8373-6	16.4	53
83	Self-assembled air-stable supramolecular porous networks on graphene. <i>ACS Nano</i> , 2013 , 7, 10764-72	16.7	52
82	A tale of tails: alkyl chain directed formation of 2D porous networks reveals odd-even effects and unexpected bicomponent phase behavior. <i>ACS Nano</i> , 2013 , 7, 8031-42	16.7	51
81	Regioselective eightfold and tenfold additions of a pyridine-modified organocopper reagent to [60]fullerene. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2844-7	16.4	51

80	Multifunctional Expanded macrocyclic oligothiophene 6-mers and related macrocyclic oligomers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2389-96	16.4	49
79	Structural Transformation of a Two-Dimensional Molecular Network in Response to Selective Guest Inclusion. <i>Angewandte Chemie</i> , 2007 , 119, 2889-2892	3.6	49
78	Host-Guest Chemistry in Integrated Porous Space Formed by Molecular Self-Assembly at Liquid-Solid Interfaces. <i>Langmuir</i> , 2017 , 33, 4601-4618	4	47
77	Towards enantioselective adsorption in surface-confined nanoporous systems. <i>Chemical Communications</i> , 2015 , 51, 4766-9	5.8	47
76	Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface. <i>Angewandte Chemie</i> , 2009 , 121, 7489-7493	3.6	44
75	Towards two-dimensional nanoporous networks: crystal engineering at the solid-liquid interface. <i>CrystEngComm</i> , 2010 , 12, 3369	3.3	39
74	Periodic Functionalization of Surface-Confined Pores in a Two-Dimensional Porous Network Using a Tailored Molecular Building Block. <i>ACS Nano</i> , 2016 , 10, 2113-20	16.7	38
73	Mixing behavior of alkoxyated dehydrobenzo [12]annulenes at the solid-liquid interface: scanning tunneling microscopy and Monte Carlo simulations. <i>ACS Nano</i> , 2011 , 5, 4145-57	16.7	37
72	Functionalized surface-confined pores: guest binding directed by lateral noncovalent interactions at the solid-liquid interface. <i>ACS Nano</i> , 2014 , 8, 8683-94	16.7	36
71	Formation of Multicomponent Star Structures at the Liquid/Solid Interface. <i>Langmuir</i> , 2015 , 31, 7032-40	4	34
70	Uniquely shaped double-decker buckyferrocenes--distinct electron donor-acceptor interactions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16207-15	16.4	34
69	On the formation of concentric 2D multicomponent assemblies at the solution-solid interface. <i>Chemical Communications</i> , 2017 , 53, 1108-1111	5.8	32
68	Multicomponent self-assembly with a shape-persistent N-heterotriangulene macrocycle on Au(111). <i>Chemistry - A European Journal</i> , 2015 , 21, 1652-9	4.8	32
67	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. <i>ACS Nano</i> , 2018 , 12, 11520-11528	16.7	32
66	Two-photon absorption properties of Dehydrobenzo[12]annulenes and hexakis(phenylethynyl)benzenes: effect of edge-linkage. <i>ChemPhysChem</i> , 2007 , 8, 2671-7	3.2	31
65	Self-assembly of molecular tripods in two dimensions: structure and thermodynamics from computer simulations. <i>RSC Advances</i> , 2013 , 3, 25159	3.7	28
64	X-ray Crystallographic Characterization of Potassium Pentaphenyl[60]fullerene. <i>Chemistry Letters</i> , 2005 , 34, 1078-1079	1.7	28
63	Role of pseudopolymorphism on concentration dependent competitive adsorption at a liquid/solid interface. <i>Chemical Communications</i> , 2010 , 46, 9125-7	5.8	27

62	Self-assembled monolayers of alkoxy-substituted octadehydrodibenzo[12]annulenes on a graphite surface: attempts at peri-benzopolyacene formation by on-surface polymerization. <i>Chemistry - A European Journal</i> , 2010 , 16, 8319-28	4.8	26
61	Molecular pentagonal tiling: self-assemblies of pentagonal-shaped macrocycles at liquid/solid interfaces. <i>CrystEngComm</i> , 2011 , 13, 5551	3.3	25
60	Di- and trinuclear [70]fullerene complexes: syntheses and metal-metal electronic interactions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6239-41	16.4	24
59	Direct dendronization of polystyrenes using dendritic diarylcarbenium ion pools. <i>Chemical Communications</i> , 2011 , 47, 5575-7	5.8	20
58	Electrophilic transannular cyclization of octadehydrodibenzo[12]annulene reexamined: indication of the formation of both anti- and syn-indenofluorenes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9116-21	4.2	20
57	Syntheses and Photophysical Properties of Boomerang-shaped Bis(dehydrobenzo[12]annulene) and Trapezoid-shaped Tris(dehydrobenzo[12]annulene). <i>Chemistry Letters</i> , 2007 , 36, 838-839	1.7	20
56	Steric and Electronic Effects of Electrochemically Generated Aryl Radicals on Grafting of the Graphite Surface. <i>Langmuir</i> , 2019 , 35, 2089-2098	4	20
55	Efficient screening of 2D molecular polymorphs at the solution-solid interface. <i>Nanoscale</i> , 2015 , 7, 5344-9	9.7	19
54	Structural Insights into the Mechanism of Chiral Recognition and Chirality Transfer in Host-Guest Assemblies at the Liquid-Solid Interface. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8228-8235	3.8	17
53	Molecular propellers that consist of dehydrobenzo[14]annulene blades. <i>Chemistry - A European Journal</i> , 2012 , 18, 12814-24	4.8	17
52	Formation of a non-crystalline bimolecular porous network at a liquid/solid interface. <i>Chemical Communications</i> , 2011 , 47, 11459-61	5.8	17
51	Hexagonal Molecular Tiling by Hexagonal Macrocycles at the Liquid/Solid Interface: Structural Effects on Packing Geometry. <i>Langmuir</i> , 2017 , 33, 12453-12462	4	17
50	Odd-Even Effects in Chiral Phase Transition at the Liquid/Solid Interface. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10430-10438	3.8	15
49	Square tiling by square macrocycles at the liquid/solid interface: co-crystallisation with one- or two-dimensional order. <i>Chemistry - A European Journal</i> , 2015 , 21, 6806-16	4.8	15
48	Ordering of Molecules with π -Conjugated Triangular Core by Switching Hydrogen Bonding and van der Waals Interactions. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17082-17088	3.8	15
47	Reversing the Handedness of Self-Assembled Porous Molecular Networks through the Number of Identical Chiral Centres. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7733-7738	16.4	14
46	Porous Self-Assembled Molecular Networks as Templates for Chiral-Position-Controlled Chemical Functionalization of Graphitic Surfaces. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7699-7708	16.4	14
45	Harnessing by a diacetylene unit: a molecular design for porous two-dimensional network formation at the liquid/solid interface. <i>Chemical Communications</i> , 2014 , 50, 2831-3	5.8	14

44	Efficient molecular recognition based on nonspecific van der Waals interaction at the solid/liquid interface. <i>Chemical Communications</i> , 2014 , 50, 11946-9	5.8	14
43	Conductance of Single Triangular Dehydrobenzo[12]annulene Derivative Bridged between Au Electrodes. <i>Chemistry Letters</i> , 2010 , 39, 788-789	1.7	14
42	Regioselective Eightfold and Tenfold Additions of a Pyridine-Modified Organocopper Reagent to [60]Fullerene. <i>Angewandte Chemie</i> , 2007 , 119, 2902-2905	3.6	14
41	Complex Chiral Induction Processes at the Solution/Solid Interface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17444-17453	3.8	14
40	Direct observation of adsorption geometry for the van der Waals adsorption of a single π -conjugated hydrocarbon molecule on Au(111). <i>Journal of Chemical Physics</i> , 2014 , 140, 074709	3.9	13
39	Area-selective passivation of sp carbon surfaces by supramolecular self-assembly. <i>Nanoscale</i> , 2017 , 9, 5188-5193	7.7	12
38	Solvophobicity driven self-association of a butadiyne-bridged pyridine macrocycle. <i>Tetrahedron</i> , 2008 , 64, 11490-11494	2.4	12
37	Self-Assembled Dehydro[24]annulene Monolayers at the Liquid/Solid Interface: Toward On-Surface Synthesis of Tubular π -Conjugated Nanowires. <i>Langmuir</i> , 2016 , 32, 5532-41	4	12
36	Phase selectivity triggered by nanoconfinement: the impact of corral dimensions. <i>Chemical Communications</i> , 2019 , 55, 2226-2229	5.8	11
35	Tuning the size of supramolecular M4L4 tetrahedra by ligand connectivity. <i>Dalton Transactions</i> , 2012 , 41, 9316-22	4.3	11
34	Chemistry of anthracene-acetylene oligomers XXV: on-surface chirality of a self-assembled molecular network of a fan-blade-shaped anthracene-acetylene macrocycle with a long alkyl chain. <i>Chemistry - A European Journal</i> , 2015 , 21, 5520-7	4.8	10
33	How Does Chemisorption Impact Physisorption? Molecular View of Defect Incorporation and Perturbation of Two-Dimensional Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24046-24054	2.8	10
32	Tailoring Surface-Confined Nanopores with Photoresponsive Groups. <i>Angewandte Chemie</i> , 2013 , 125, 8531-8534	3.6	8
31	On the Thermal Stability of Aryl Groups Chemisorbed on Graphite. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1980-1990	3.8	8
30	Effect of Multiple Interactions on Face-On vs Edge-On Configurations of Butadiyne-Bridged Octadehydrodibenzo[12]annulene Derivatives at the Liquid/Graphite Interface. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15977-15981	3.8	7
29	Design of efficient sergeant molecules for chiral induction in nano-porous supramolecular assemblies. <i>RSC Advances</i> , 2015 , 5, 6642-6646	3.7	7
28	Electrostatically Driven Guest Binding in a Self-Assembled Porous Network at the Liquid/Solid Interface. <i>Langmuir</i> , 2018 , 34, 6036-6045	4	7
27	Alkoxy Chain Number Effect on Self-Assembly of a Trigonal Molecule at the Liquid/Solid Interface. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27020-27029	3.8	7

26	Porous molecular networks formed by the self-assembly of positively-charged trigonal building blocks at the liquid/solid interfaces. <i>Chemical Communications</i> , 2014 , 50, 7683-5	5.8	7
25	Transfer of chiral information from a chiral solvent to a two-dimensional network. <i>Faraday Discussions</i> , 2017 , 204, 215-231	3.6	7
24	On the stability of surface-confined nanoporous molecular networks. <i>Journal of Chemical Physics</i> , 2015 , 142, 101932	3.9	6
23	Construction of cyclic arrays of Zn-porphyrin units and their guest binding at the solid-liquid interface. <i>Chemical Communications</i> , 2016 , 52, 14419-14422	5.8	6
22	Alkoxyated dehydrobenzo[12]annulene on Au(111): from single molecules to quantum dot molecular networks. <i>Chemical Communications</i> , 2015 , 51, 10917-20	5.8	6
21	Theoretical Studies on Structures and Aromaticity of Finite-Length Armchair Carbon Nanotubes. <i>Organic Letters</i> , 2003 , 5, 5103-5103	6.2	6
20	Stereospecific Epitaxial Growth of Bilayered Porous Molecular Networks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8662-8671	16.4	6
19	Trapping a pentagonal molecule in a self-assembled molecular network: an alkoxyated isosceles triangular molecule does the job. <i>Chemical Communications</i> , 2020 , 56, 5401-5404	5.8	5
18	Chirality in porous self-assembled monolayer networks at liquid/solid interfaces: induction, reversion, recognition and transfer. <i>Chemical Communications</i> , 2021 , 57, 962-977	5.8	5
17	Generation of Aromatic (Dehydro)benzoannulene Dications Stabilized by Platinum Catecholate Complexes. <i>ChemPlusChem</i> , 2017 , 82, 1052-1056	2.8	4
16	On-Surface Evolution of meso-Isomerism in Two-Dimensional Supramolecular Assemblies. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9611-9618	16.4	4
15	Chemistry of anthracene-acetylene oligomers XX: synthesis, structures, and self-association of anthracene-anthraquinone cyclic compounds with ethynylene linkers. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 935-43	4.5	4
14	Di- and Trinuclear [70]Fullerene Complexes: Syntheses and Metal-Metal Electronic Interactions. <i>Angewandte Chemie</i> , 2009 , 121, 6357-6359	3.6	4
13	Revisiting Dehydrothiopheno[12]annulenes: Synthesis, Electronic Properties, and Aromaticity. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13198-13211	4.2	4
12	Coadsorption of Tb(III) Porphyrin Double-decker Single-molecule Magnets in a Porous Molecular Network: Toward Controlled Alignment of Single-molecule Magnets on a Carbon Surface. <i>Chemistry Letters</i> , 2016 , 45, 286-288	1.7	3
11	Theoretical Study on the Geometry, Aromaticity, and Electronic Properties of Benzo[3,4]cyclobutathiophenes and Their Homologues. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9850-9858 ²	4.2	3
10	Cover Picture: Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface (Angew. Chem. Int. Ed. 40/2009). <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7267-7267	16.4	3
9	Hierarchical two-dimensional molecular assembly through dynamic combination of conformational states at the liquid/solid interface. <i>Chemical Science</i> , 2020 , 11, 9254-9261	9.4	3

8	Computational insight into the origin of unexpected contrast in chiral markers as revealed by STM. <i>Nanoscale</i> , 2018 , 10, 1680-1694	7.7	3
7	Titelbild: Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid/Solid Interface (<i>Angew. Chem.</i> 40/2009). <i>Angewandte Chemie</i> , 2009 , 121, 7403-7403	3.6	2
6	Synthesis of 6,9,12,15,18-Pentamethyl-1,6,9,12,15,18-Hexahydro(C ₆₀ -Ih)[5,6]Fullerene 2006 , 80-86		2
5	An Approach to the Synthesis of a Two-Dimensional Polymer Using a Preorganized Host-Guest Network by Self-Assembly at the Liquid/Solid Interface. <i>ChemNanoMat</i> , 2020 , 6, 550-559	3.5	2
4	Reversing the Handedness of Self-Assembled Porous Molecular Networks through the Number of Identical Chiral Centres. <i>Angewandte Chemie</i> , 2019 , 131, 7815-7820	3.6	1
3	Electrostatically Driven Guest Binding in Self-Assembled Molecular Network of Hexagonal Pyridine Macrocyclic at the Liquid/Solid Interface: Symmetry Breaking Induced by Coadsorbed Solvent Molecules. <i>Langmuir</i> , 2019 , 35, 15051-15062	4	0
2	Molecular Technology for One- and Two-Dimensional Materials on Surfaces 2019 , 305-341		
1	On-Surface Evolution of meso-Isomerism in Two-Dimensional Supramolecular Assemblies. <i>Angewandte Chemie</i> , 2019 , 131, 9713-9720	3.6	