

# Akilliko Tsuda

## List of Publications by Year in descending order

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78  
papers

4,115  
citations

172207

29  
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114278

63  
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97  
all docs

97  
docs citations

97  
times ranked

3299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully Conjugated Porphyrin Tapes with Electronic Absorption Bands That Reach into Infrared. <i>Science</i> , 2001, 293, 79-82.	6.0	907
2	Syntheses, Structural Characterizations, and Optical and Electrochemical Properties of Directly Fused Diporphyrins. <i>Journal of the American Chemical Society</i> , 2001, 123, 10304-10321.	6.6	262
3	Spectroscopic Visualization of Vortex Flows Using Dye-Containing Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8198-8202.	7.2	225
4	Photophysical Properties of Porphyrin Tapes. <i>Journal of the American Chemical Society</i> , 2002, 124, 14642-14654.	6.6	217
5	Porphyrin Boxes Constructed by Homochiral Self-Sorting Assembly: Optical Separation, Exciton Coupling, and Efficient Excitation Energy Migration. <i>Journal of the American Chemical Society</i> , 2004, 126, 16187-16198.	6.6	183
6	Completely Fused Diporphyrins and Triporphyrin. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2549-2552.	7.2	182
7	A Self-Assembled Porphyrin Box from meso-meso-Linked Bis{5-pyridyl-15-(3,5-di-octyloxyphenyl)porphyrinato zinc(II)}. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2817-2821.	7.2	122
8	Doubly meso- $\beta^2$ -Linked Diporphyrins from Oxidation of 5,10,15-Triaryl-Substituted Ni(II)- and Pd(II)-Porphyrins. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 558-561.	7.2	118
9	A Novel Supramolecular Multicolor Thermometer by Self-Assembly of an Extended Zinc Porphyrin Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 15722-15723.	6.6	93
10	Photophysics of $\beta^2$ Doubly Linked Ni(II) Porphyrin Arrays: Large Two-Photon Absorption Cross-Section and Fast Energy Relaxation Dynamics. <i>Journal of the American Chemical Society</i> , 2007, 129, 10080-10081.	6.6	90
11	Discrete Conjugated Porphyrin Tapes with an Exceptionally Small Bandgap. <i>Advanced Materials</i> , 2002, 14, 75-79.	11.1	86
12	Electrical Conduction through Linear Porphyrin Arrays. <i>Journal of the American Chemical Society</i> , 2003, 125, 11062-11064.	6.6	75
13	Synthesis of meso- $\beta^2$ doubly linked porphyrin tapes. Electronic supplementary information (ESI) available: $^1\text{H}$ NMR spectra. See <a href="http://www.rsc.org/suppdata/cc/b3/b302032k/">http://www.rsc.org/suppdata/cc/b3/b302032k/</a> . <i>Chemical Communications</i> , 2003, , 1096-1097.	2.2	74
14	A Molybdenum Crown Cluster Forms Discrete Inorganic-Organic Nanocomposites with Metalloporphyrins. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6327-6331.	7.2	71
15	Metal-Dependent Regioselective Oxidative Coupling of 5,10,15-Triarylporphyrins with DDQ-Sc(OTf) <sub>3</sub> and Formation of an Oxo-quinoidal Porphyrin. <i>Organic Letters</i> , 2003, 5, 2079-2082.	2.4	70
16	Amplified Chiral Transformation through Helical Assembly. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6476-6480.	7.2	64
17	Directed 1D Assembly of a Ring-Shaped Inorganic Nanocluster Templated by an Organic Rigid Rod Molecule: An Inorganic/Organic Polypseudorotaxane. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2070-2073.	7.2	63
18	Chiroptical Sensing of Asymmetric Hydrocarbons Using a Homochiral Supramolecular Box from a Bimetalloporphyrin Rotamer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2031-2035.	7.2	56

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19	Planar or Perpendicular? Conformational Preferences of $\pi$ -Conjugated Metalloporphyrin Dimers and Trimers in Supramolecular Tubular Arrays. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4884-4888.	7.2	55
20	$\pi$ -Conformational Solvatochromism: Spatial Discrimination of Nonpolar Solvents by Using a Supramolecular Box of a $\pi$ -Conjugated Zinc Bisporphyrin Rotamer. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5153-5156.	7.2	52
21	Spectroscopic visualization of sound-induced liquid vibrations using a supramolecular nanofibre. <i>Nature Chemistry</i> , 2010, 2, 977-983.	6.6	50
22	Ground and excited states of linked and fused zinc porphyrin dimers: Symmetry adapted cluster (SAC) configuration interaction (CI) study. <i>Journal of Chemical Physics</i> , 2002, 117, 11196-11207.	1.2	40
23	Photophysical Properties of a Three-Dimensional Zinc(II) Porphyrin Box. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9977-9988.	1.2	39
24	Photochemical Molecular Storage of $\text{Cl}_2$ , HCl, and $\text{COCl}_2$ : Synthesis of Organochlorine Compounds, Salts, Ureas, and Polycarbonate with Photodecomposed Chloroform. <i>Organic Letters</i> , 2012, 14, 3376-3379.	2.4	37
25	Discrete Giant Porphyrin Arrays: Challenges to Molecular Size, Length and the Extent of Electronic $\pi$ -Conjugation. <i>Synlett</i> , 2001, 2001, 1663-1674.	1.0	36
26	A Theoretical Study on the Third-Order Nonlinear Optical Properties of $\pi$ -Conjugated Linear Porphyrin Arrays. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4888-4899.	1.1	32
27	Self-Activated Supramolecular Reactions: Effects of Host-Guest Recognition on the Kinetics of the Diels-Alder Reaction of Open-Chain Oligoether Quinones with Cyclopentadiene. <i>Journal of the American Chemical Society</i> , 2003, 125, 5811-5822.	6.6	29
28	Spectroscopic and Theoretical Studies of Optically Active Porphyrin Dimers: A System Uninterpretable by Exciton Coupling Theory. <i>ChemPhysChem</i> , 2006, 7, 1235-1240.	1.0	24
29	Design of Porphyrin Nanoclusters toward Discovery of Novel Properties and Functions. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 11-28.	2.0	21
30	A self-assembled helical anthracene nanofibre whose P- and M-isomers show unequal linear dichroism in a vortex. <i>Chemical Communications</i> , 2011, 47, 11748.	2.2	21
31	Photo-on-Demand Synthesis of Chloroformates with a Chloroform Solution Containing an Alcohol and Its One-Pot Conversion to Carbonates and Carbamates. <i>Organic Letters</i> , 2020, 22, 3566-3569.	2.4	21
32	Oxidative direct coupling of metalloporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 264-269.	0.4	20
33	Excitation Energy Migration Processes in Self-Assembled Porphyrin Boxes Constructed by Conjugated Porphyrin Dimers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9157-9164.	1.2	20
34	$\pi$ -Conjugated multiporphyrin box via self-assembly of an ethynylene-bridged zinc porphyrin dimer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 388-393.	0.4	19
35	Cation complexation of quincrown ethers in electrospray ionization mass spectrometry. A comparison with benzocrown ethers. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1235-1240.	0.9	18
36	STM images of individual porphyrin hexamers; meso-meso singly linked orthogonal hexamer and meso-meso, $\mu_2$ - $\mu_2$ , $\mu_2$ - $\mu_2$ triply-linked planar hexamer on Cu(100) surface. <i>Chemical Communications</i> , 2003, ,2, 2986-2987.		18

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37	Hermaphroditic Chirality of aD <sub>2</sub> -Symmetric Saddle-Shaped Porphyrin in Multicomponent Spontaneous Optical Resolution: Inclusion Cocrystals with Double-Helical Porphyrin Arrays. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3786-3790.	7.2	18
38	Translation of helical chirality from polymer into monomer: supramolecular polymerization of a chirality-memory molecule with an asymmetric Pd(II) complex. <i>Tetrahedron</i> , 2008, 64, 8264-8270.	1.0	18
39	Photo-on-Demand Synthesis of Vilsmeier Reagents with Chloroform and Their Applications to One-Pot Organic Syntheses. <i>Journal of Organic Chemistry</i> , 2021, 86, 6504-6517.	1.7	18
40	Magnetic Circular Dichroism Study of Directly Fused Porphyrins. <i>ChemPhysChem</i> , 2005, 6, 171-179.	1.0	17
41	Effects of Host-Guest Recognition on Kinetics of Diels-Alder Reaction of Quinocrown Ethers with Cyclopentadiene. <i>Journal of Organic Chemistry</i> , 2002, 67, 1282-1289.	1.7	16
42	Spectroscopic Visualization of Right- and Left-Handed Helical Alignments of DNA in Chiral Vortex Flows. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1031-1038.	2.0	16
43	Photo-on-Demand Base-Catalyzed Phosgenation Reactions with Chloroform: Synthesis of Arylcarbonate and Halocarbonate Esters. <i>Journal of Organic Chemistry</i> , 2021, 86, 9811-9819.	1.7	16
44	Organic Syntheses with Photochemically Generated Chemicals from Tetrachloroethylene. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 572-578.	1.3	14
45	Chiroptical sensing of oligonucleotides with a cyclic octapyrrole. <i>Organic Chemistry Frontiers</i> , 2015, 2, 29-33.	2.3	14
46	Resonance Raman spectroscopic study of fused multiporphyrin linear arrays. <i>Journal of Chemical Physics</i> , 2003, 119, 5237-5252.	1.2	13
47	Brominated Methanes as Photoresponsive Molecular Storage of Elemental Br <sub>2</sub> . <i>Chemistry - an Asian Journal</i> , 2012, 7, 2240-2252.	1.7	13
48	Cation binding acceleration of Diels-Alder reaction of quinocrown ethers with cyclopentadiene. <i>New Journal of Chemistry</i> , 1998, 22, 1027-1029.	1.4	12
49	Synthesis and Characterization of Facially Encumbered and Soluble Porphyrin Tapes. <i>Chemistry Letters</i> , 2006, 35, 946-947.	0.7	12
50	A physical operation of hydrodynamic orientation of an azobenzene supramolecular assembly with light and sound. <i>Chemical Communications</i> , 2014, 50, 5615-5618.	2.2	11
51	Photochromism in sound-induced alignment of a diarylethene supramolecular nanofibre. <i>Chemical Communications</i> , 2015, 51, 2790-2793.	2.2	11
52	An Acid-Responsive Single Trichromatic Luminescent Dye That Provides Pure White Light Emission. <i>ChemPhotoChem</i> , 2017, 1, 427-431.	1.5	10
53	Photo-on-Demand Phosgenation Reactions with Chloroform for Selective Syntheses of N-Substituted Ureas and Isocyanates. <i>ACS Omega</i> , 2022, 7, 5584-5594.	1.6	10
54	Hydrodynamic Helical Orientations of Nanofibers in a Vortex. <i>Symmetry</i> , 2014, 6, 383-395.	1.1	9

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55	Mechanistic study on the facilitation of enzymatic hydrolysis by $\beta$ -glucosidase in the presence of betaine-type metabolite analogs. <i>Tetrahedron</i> , 2014, 70, 5895-5903.	1.0	9
56	Synthesis and photoisomerization of an azobenzene-containing tetrapyrrolic macrocycle. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 66-75.	2.0	9
57	Vortex-Induced Alignment of a Water Soluble Supramolecular Nanofiber Composed of an Amphiphilic Dendrimer. <i>Molecules</i> , 2013, 18, 7071-7080.	1.7	7
58	Photo-on-demand Phosgenation Reactions with Chloroform Triggered by $\text{Cl}_2$ upon Irradiation with Visible Light: Syntheses of Chloroformates, Carbonate Esters, and Isocyanates. <i>Chemistry Letters</i> , 2022, 51, 549-551.	0.7	7
59	Acoustic Alignment of a Supramolecular Nanofiber in Harmony with the Sound of Music. <i>ChemPlusChem</i> , 2014, 79, 516-523.	1.3	6
60	Switching of the $\pi$ -electronic conjugations in the reduction of a dithienylethene-fused p-benzoquinone. <i>RSC Advances</i> , 2017, 7, 2403-2406.	1.7	6
61	Doubly Activated Supramolecular Reaction: Transesterification of Acyclic Oligoether Esters with Metal Alkoxides. <i>Journal of Organic Chemistry</i> , 2011, 76, 875-881.	1.7	5
62	Control of reaction pathways in the photochemical reaction of a quinone with tetramethylethylene by metal binding. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7004-7017.	1.5	5
63	Formation of Discrete Ladders and a Macroporous Xerogel Film by the Zipperlike Dimerization of Meso-Linked Zinc(II) Porphyrin Arrays with Di(pyridine)acetylene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8673-8678.	7.2	5
64	Directly Linked and Fused Oligoporphyrin Arrays from Oxidation of Metalloporphyrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 41, 77-81.	1.6	4
65	Hydroxychalcone dyes that serve as color indicators for pH and fluoride ions. <i>RSC Advances</i> , 2020, 10, 37463-37472.	1.7	4
66	A Chiral Metal-Organic 1D-Coordination Polymer Upon Complexation of Phenylene-Bridged Bipyrrrole and Palladium (II) Ion. <i>Frontiers in Chemistry</i> , 2020, 8, 613932.	1.8	3
67	Editorial: Supramolecular Chirogenesis in Chemical and Related Sciences. <i>Frontiers in Chemistry</i> , 2021, 9, 679332.	1.8	3
68	Cover Picture: Directed 1D Assembly of a Ring-Shaped Inorganic Nanocluster Templated by an Organic Rigid-Rod Molecule: An Inorganic/Organic Polypseudorotaxane ( <i>Angew. Chem. Int. Ed.</i> 11/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1967-1968.	7.2	2
69	Direct Syntheses of Diphenylmethanol Derivatives from Substituted Benzenes and $\text{CHCl}_3$ through Friedel-Crafts Alkylation and Post-Synthetic Hydrolysis or Alcoholysis Catalyzed by Alumina. <i>ChemistryOpen</i> , 2022, 11, e202200042.	0.9	2
70	Porphyrin Nanoclusters for Sensing Chemical and Physical Stimuli. , 2012, , 629-660.		1
71	Directly Linked and Fused Oligoporphyrin Arrays. , 2003, , 115-123.		1
72	Cover Picture: A Molybdenum Crown Cluster Forms Discrete Inorganic-Organic Nanocomposites with Metalloporphyrins ( <i>Angew. Chem. Int. Ed.</i> 46/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6219-6219.	7.2	0

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73	Directly Linked and Fused Oligoporphyrin Arrays. ChemInform, 2004, 35, no.	0.1	0
74	Inside Cover: Amplified Chiral Transformation through Helical Assembly (Angew. Chem. Int. Ed.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	7.2	0
75	Inside Cover: "Conformational" Solvatochromism: Spatial Discrimination of Nonpolar Solvents by Using a Supramolecular Box of a "Conjugated Zinc Bisporphyrin Rotamer (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.7&4314 rgBT /Overlock 10 Tf 50 70	1.6	0
76	Innentitelbild: "Conformational" Solvatochromism: Spatial Discrimination of Nonpolar Solvents by Using a Supramolecular Box of a "Conjugated Zinc Bisporphyrin Rotamer (Angew. Chem. 28/2008). Angewandte Chemie, 2008, 120, 5174-5174.	1.6	0
77	Acoustic Alignment of a Supramolecular Nanofiber in Harmony with the Sound of Music. ChemPlusChem, 2014, 79, 472-472.	1.3	0
78	Acoustic Flow of a Nanofiber. Journal of Fiber Science and Technology, 2018, 74, P-292-P-297.	0.0	0