

# Katusaki Konishi

## List of Publications by Year in descending order

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81  
papers

3,362  
citations

159585

30  
h-index

144013

57  
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88  
all docs

88  
docs citations

88  
times ranked

2700  
citing authors

#	ARTICLE	IF	CITATIONS
1	HCl-Induced Nuclearity Convergence in Diphosphine-Protected Ultrasmall Gold Clusters: A Novel Synthetic Route to "Magic-Number" Au <sub>13</sub> Clusters. <i>Small</i> , 2010, 6, 1216-1220.	10.0	255
2	Porous Organic-Inorganic Assemblies Constructed from Keggin Polyoxometalate Anions and Calix[4]arene-Na <sup>+</sup> Complexes: Structures and Guest-Sorption Profiles. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2702-2705.	13.8	171
3	Aggregation-Induced Fluorescence-to-Phosphorescence Switching of Molecular Gold Clusters. <i>Journal of the American Chemical Society</i> , 2017, 139, 17731-17734.	13.7	169
4	Asymmetric epoxidation of olefins catalyzed by manganese complexes of chiral "strapped" porphyrins with diastereotopic faces. A novel strategy for stereochemical modeling of the active site of cytochrome P-450. <i>Journal of the American Chemical Society</i> , 1992, 114, 1313-1317.	13.7	146
5	Phosphine-Ligated Gold Clusters with Core-exo Geometries: Unique Properties and Interactions at the Ligand-Cluster Interface. <i>Accounts of Chemical Research</i> , 2018, 51, 3125-3133.	15.6	144
6	Metal Bisporphyrinate Double-Decker Complexes as Redox-Responsive Rotating Modules. Studies on Ligand Rotation Activities of the Reduced and Oxidized Forms Using Chirality as a Probe. <i>Journal of the American Chemical Society</i> , 2000, 122, 7921-7926.	13.7	142
7	Generation of Small Gold Clusters with Unique Geometries through Cluster-to-Cluster Transformations: Octanuclear Clusters with Edge-sharing Gold Tetrahedron Motifs. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7442-7445.	13.8	135
8	A Novel Anion-Binding Chiral Receptor Based on a Metalloporphyrin with Molecular Asymmetry. Highly Enantioselective Recognition of Amino Acid Derivatives. <i>Journal of the American Chemical Society</i> , 1994, 116, 1337-1344.	13.7	122
9	Facile synthesis and optical properties of magic-number Au <sub>13</sub> clusters. <i>Nanoscale</i> , 2012, 4, 4125.	5.6	122
10	An Inherently Chiral Au <sub>24</sub> Framework with Double-Helical Hexagold Strands. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7855-7859.	13.8	121
11	Protonation-Induced Chromism of Pyridylethynyl-Appended [core-exo]-Type Au <sub>8</sub> Clusters. Resonance-Coupled Electronic Perturbation through $\pi$ -Conjugated Group. <i>Journal of the American Chemical Society</i> , 2013, 135, 16078-16081.	13.7	117
12	Phosphine-Coordinated Pure-Gold Clusters: Diverse Geometrical Structures and Unique Optical Properties/Responses. <i>Structure and Bonding</i> , 2014, , 49-86.	1.0	101
13	Enantiomeric Resolution of Chiral Metallobis(porphyrin)s: Studies on Rotatability of Electronically Coupled Porphyrin Ligands. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 856-858.	4.4	94
14	Cluster- $\pi$ electronic interaction in a superatomic Au <sub>13</sub> cluster bearing $\eta^5$ -bonded acetylide ligands. <i>Chemical Communications</i> , 2015, 51, 13519-13522.	4.1	93
15	Hydrogen bonds to Au atoms in coordinated gold clusters. <i>Nature Communications</i> , 2017, 8, 576.	12.8	92
16	[Au <sub>7</sub> ] <sup>3+</sup> : A Missing Link in the Four-Electron Gold Cluster Family. <i>Journal of the American Chemical Society</i> , 2014, 136, 12892-12895.	13.7	81
17	Unique [core+two] structure and optical property of a dodeca-ligated undecagold cluster: critical contribution of the exo gold atoms to the electronic structure. <i>Chemical Communications</i> , 2012, 48, 7559.	4.1	80
18	Turn-On and Selective Luminescence Sensing of Copper Ions by a Water-Soluble Cd <sub>10</sub> S <sub>16</sub> Molecular Cluster. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5191-5194.	13.8	70

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19	Gold nanocluster confined within a cage: template-directed formation of a hexaporphyrin cage and its confinement capability. <i>Chemical Communications</i> , 2003, , 1282.	4.1	56
20	Remarkable Co-catalyst Effect of Gold Nanoclusters on Olefin Oxidation Catalyzed by a Manganese <sup>III</sup> Porphyrin Complex. <i>Journal of the American Chemical Society</i> , 2007, 129, 14401-14407.	13.7	53
21	Ligand-Based Toolboxes for Tuning of the Optical Properties of Subnanometer Gold Clusters. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4267-4274.	4.6	50
22	Asymmetric oxidation of sulfides catalysed by an iron complex of C 2-chiral strapped porphyrin as a conceptually new P-450 model catalyst. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 254.	2.0	47
23	Electronic Properties of [Core+exo</i>]-type Gold Clusters: Factors Affecting the Unique Optical Transitions. <i>Inorganic Chemistry</i> , 2013, 52, 6570-6575.	4.0	43
24	Rotational oscillation of two interlocked porphyrins in cerium bis(5,15-diarylporphyrinate) double-deckers. <i>Chemical Communications</i> , 1998, , 1121-1122.	4.1	42
25	Surface-Cap-Mediated Host-Guest Chemistry of Semiconductor CdS: Intercalative Cation Accumulation around a Phenyl-Capped CdS Cluster and Its Notable Effects on the Cluster Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5943-5946.	13.8	41
26	Free bases of chiral N-substituted porphyrins as catalysts for asymmetric reaction. <i>Tetrahedron Letters</i> , 1996, 37, 2585-2588.	1.4	34
27	Crystallographic Studies of Organosilicon Porphyrins: A Stereoelectronic Effects of Axial Groups on the Nonplanarity of the Porphyrin Ring. <i>Inorganic Chemistry</i> , 1998, 37, 2591-2594.	4.0	33
28	An Inherently Chiral Au <sub>24</sub> Framework with Double-Helical Hexagold Strands. <i>Angewandte Chemie</i> , 2018, 130, 7981-7985.	2.0	32
29	Chiral N-substituted porphyrins related to heme inactivation products. First crystallographic determination of absolute stereochemistry and correlation with circular dichroism. <i>Journal of the American Chemical Society</i> , 1993, 115, 1169-1170.	13.7	31
30	Photoinduced conformational ruffling of distorted porphyrin. Optical resolution and photochemical behavior of chiral "single-armed" porphyrin complexes. <i>Journal of the American Chemical Society</i> , 1990, 112, 5639-5640.	13.7	30
31	A Photoresponsive Silicon Radical within a Porphyrin "Cloud": Photolysis of Organo- and Nitroxysilicon Porphyrins with Visible Light. <i>Journal of the American Chemical Society</i> , 1998, 120, 9838-9843.	13.7	29
32	Highly stereoselective hydrogen transfer from alcohols to carbonyl compounds catalysed by aluminium porphyrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 643.	2.0	26
33	Electric-Field-Induced Changes in Absorption and Emission Spectra of CdS Nanoparticles Doped in a Polymer Film. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20927-20936.	2.6	26
34	Guest-selective binding of Z-amino acids by a strapped metalloporphyrin receptor with a hydrogen-bonding capability. <i>Tetrahedron</i> , 1997, 53, 9115-9122.	1.9	25
35	Catalytic Conversion of a Chitin-Derived Sugar Alcohol to an Amide-Containing Isosorbide Analog. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14883-14888.	6.7	22
36	Unusual Attractive Au <sup>+</sup> Interactions in Small Diacetylene-Modified Gold Clusters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2443-2447.	13.8	22

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37	Stereochemical studies on reversible metal-nitrogen transfer of alkyl and aryl groups in chiral cobalt(III) porphyrins. Relevance to the mechanism of a metabolic heme inactivation process. <i>Journal of the American Chemical Society</i> , 1991, 113, 6487-6491.	13.7	21
38	Recognition of the Helical Sense of Polypeptides by a Chiral Metalloporphyrin Receptor. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2823-2825.	4.4	20
39	Chiroptical activity of Au <sub>13</sub> clusters: experimental and theoretical understanding of the origin of helical charge movements. <i>Nanoscale Advances</i> , 2021, 3, 1005-1011.	4.6	20
40	Nucleobase dendrimer as a multidentate ligand for a rare-earth metal ion. <i>Chemical Communications</i> , 2000, , 719-720.	4.1	19
41	Impact of Skeletal Isomerization of Ultrasmall Gold Clusters on Electrochemical Properties: Voltammetric Profiles of Nonspoked Octanuclear Clusters.. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10995-10999.	3.1	19
42	Chiral Polyurethane Synthesis Leading to $\pi$ -Stacked 2/1-Helical Polymer and Cyclic Compounds. <i>ACS Macro Letters</i> , 2015, 4, 901-906.	4.8	19
43	Facile modulation of optical properties of octagold clusters through the control of ligand-mediated interactions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19433-19439.	2.8	19
44	Terahertz Raman Spectroscopy of Ligand-Protected Au <sub>8</sub> Clusters. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7996-8001.	4.6	19
45	Preparation of Carbodiimides with One-Handed Axial Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 15577-15581.	13.7	18
46	Mixed-halide perovskite synthesis by chemical reaction and crystal nucleation under an optical potential. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	17
47	Hydrogen transfer from alcohols to carbonyl compounds catalyzed by aluminum porphyrins. Stereochemical aspects. <i>Journal of Organic Chemistry</i> , 1990, 55, 816-820.	3.2	15
48	Selective synthesis with metalloporphyrin catalysts. <i>Journal of Molecular Catalysis</i> , 1992, 74, 121-129.	1.2	15
49	Photoluminescence Properties of [Core+ <i>exo</i> ]-Type Au <sub>6</sub> Clusters: Insights into the Effect of Ligand Environments on the Excitation Dynamics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6934-6939.	3.1	14
50	Catalysis of Nucleobase via Multiple Hydrogen-Bonding Interactions: Acceleration of Aminolysis of 6-Chloropurine Derivatives by Uracils. <i>Journal of the American Chemical Society</i> , 1999, 121, 7704-7705.	13.7	12
51	Dioxygen Insertion into the Axial Si-C Bonds of Organosilicon Porphyrins. <i>Chemistry Letters</i> , 1998, 27, 453-454.	1.3	11
52	The relationship between magneto-optical properties and molecular chirality. <i>NPG Asia Materials</i> , 2016, 8, e251-e251.	7.9	11
53	Aggregation-Mode-Dependent Optical Properties of Cationic Gold Clusters: Formation of Ordered Assemblies in Solution and Unique Optical Responses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16209-16215.	3.1	11
54	Self-promoted solid-state covalent networking of Au <sub>25</sub> (SR) <sub>18</sub> through reversible disulfide bonds. A critical effect of the nanocluster in oxidation processes. <i>Nanoscale</i> , 2021, 13, 9971-9977.	5.6	11

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55	Apocytochrome b562 as a Novel Chiral Host Molecule: The First Enantioselective Reconstitution. <i>Chemistry - A European Journal</i> , 1998, 4, 1148-1153.	3.3	10
56	Supramolecular acid/base catalysis via multiple hydrogen bonding interaction. <i>Chemical Communications</i> , 2002, , 1690-1691.	4.1	9
57	High Catalytic Activity of Manganese Porphyrin Cage Confining a Metal Nanocluster in Styrene Epoxidation. <i>Chemistry Letters</i> , 2006, 35, 476-477.	1.3	9
58	A Photocrosslinkable Dendrimer Consisting of a Nucleobase. <i>Chemistry Letters</i> , 2000, 29, 374-375.	1.3	8
59	Cation-driven Fluorescence Signalling of Ammonium Cations by Naphthyl-substituted Zn10S16 and Cd10S16 Clusters. <i>Chemistry Letters</i> , 2006, 35, 184-185.	1.3	8
60	Mechanistic insights into the co-catalyst effect of Au clusters in Mn-porphyrin-catalyzed olefin oxidation. <i>New Journal of Chemistry</i> , 2008, 32, 2134.	2.8	8
61	Unexpected electronic perturbation effects of simple PEG environments on the optical properties of small cadmium chalcogenide clusters. <i>Nanoscale</i> , 2015, 7, 20557-20563.	5.6	8
62	Hexanuclear Platinum(II) Thiolate Macrocyclic Host: Charge-Transfer-Driven Inclusion of a Ag <sup>+</sup> Ion Guest. <i>Inorganic Chemistry</i> , 2016, 55, 9147-9149.	4.0	8
63	Size- and Stereo-specific Accommodation of Alkanes and Alkenes in Calixarene-based Microporous Solids. <i>Chemistry Letters</i> , 2007, 36, 246-247.	1.3	7
64	Diarsine- vs diphosphine-protected Au <sub>13</sub> clusters: Effect of subtle geometric differences on optical property and electronic structure. <i>Journal of Chemical Physics</i> , 2021, 155, 054301.	3.0	7
65	Conformational Flexibility of Metalloporphyrin Skeletons As Studied by Racemization Profiles of Chiral meso-Substituted Metalloporphyrins with Molecular Asymmetry. <i>Inorganic Chemistry</i> , 1995, 34, 1292-1294.	4.0	6
66	Template Catalysis: Catalytic Metalation of Porphyrins by Apocytochrome b562. <i>Journal of the American Chemical Society</i> , 1999, 121, 7947-7948.	13.7	6
67	Aggregation-induced chirality amplification of optically active fluorescent polyurethane and a cyclic dimer in the ground and excited states. <i>Chemical Communications</i> , 2022, 58, 1029-1032.	4.1	6
68	Enantioselective hydrolysis of amino acid esters by apomyoglobin: perfect kinetic resolution of a phenylalanine derivative. <i>Chemical Communications</i> , 2001, , 133-134.	4.1	5
69	A photo-degradable helix: Synthesis, structure, and photolysis of optically active poly[2,7-bis(4-butylphenyl)9-methylfluorene acrylate]. <i>Journal of Polymer Science Part A</i> , 2011, 49, 945-956.		5
70	Unusual Attractive Au-Au Interactions in Small Diacetylene-Modified Gold Clusters. <i>Angewandte Chemie</i> , 2019, 131, 2465-2469.	2.0	5
71	The first chiral phosphorous porphyrins with molecular asymmetry: conformation studies on porphyrin macrocycles in solution. <i>Tetrahedron Letters</i> , 1999, 40, 6951-6955.	1.4	4
72	A Novel Photocatalysis of Phosphorous Porphyrins for Hydration of Benzonitrile. <i>Chemistry Letters</i> , 1998, 27, 1039-1040.	1.3	3

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73	Design and Applications of Chiral Porphyrins.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 1998, 56, 201-209.	0.1	3
74	Surface-Functionalized CdS Clusters with Recognition Sites near the Interface: Selective Luminescence Response to Lipophilic Phenols. Langmuir, 2011, 27, 1332-1335.	3.5	3
75	Catalytic Synthesis of Oxazolidinones from a Chitin-Derived Sugar Alcohol. Bulletin of the Chemical Society of Japan, 2022, 95, 1054-1059.	3.2	3
76	Chiral Gold Clusters with Crosslinking Ligands: Geometric Structures and Chiroptical Activities. ChemNanoMat, 2022, 8, .	2.8	3
77	Erkennung der GÄngigkeit von Polypeptidhelices durch einen chiralen Metalloporphyrinrezeptor. Angewandte Chemie, 1996, 108, 3001-3003.	2.0	2
78	Facile Diastereoseparation of Glycosyl Sulfoxides by Chiral Stationary Phase. Chirality, 2016, 28, 534-539.	2.6	2
79	Synthesis and stereochemistry of helical polyurethanes based on 2,2â€²-dihydroxy-1,1â€²-binaphthyl and diisocyanatobenzenes. Polymer Chemistry, 2020, 11, 1134-1144.	3.9	2
80	Functionalization of Inorganic Nanoclusters based on the Molecular Recognition Events at the Heterogeneous Interface. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2008, 66, 239-248.	0.1	1
81	Self-assembling-directed Growth and PL Evolution of a Soluble Gold Thiolate Coordination Polymer. Chemistry Letters, 2020, 49, 1228-1231.	1.3	1