Katusaki Konishi

List of Publications by Year
in descending order

81	3,362	159525 30	143943 57
papers	citations	h-index	g-index

88	88	88	2700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HClâ€Induced Nuclearity Convergence in Diphosphineâ€Protected Ultrasmall Gold Clusters: A Novel Synthetic Route to â€œMagicâ€Numberâ€Au₁₃ Clusters. Small, 2010, 6, 1216-1220.	5.2	255
2	Porous Organicâ€“Inorganic Assemblies Constructed from Keggin Polyoxometalate Anions and Calix[4]areneâ€“Na+ Complexes: Structures and Guest-Sorption Profiles. Angewandte Chemie - International Edition, 2004, 43, 2702-2705.	7.2	171
3	Aggregation-Induced Fluorescence-to-Phosphorescence Switching of Molecular Gold Clusters. Journal of the American Chemical Society, 2017, 139, 17731-17734.	6.6	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. Journal of the American Chemical Society, 1992, 114, 1313-1317.	6.6	146
5	Phosphine-Ligated Gold Clusters with Core+exo Geometries: Unique Properties and Interactions at the Ligandâ€“Cluster Interface. Accounts of Chemical Research, 2018, 51, 3125-3133.	7.6	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. Journal of the American Chemical Society, 2000, 122, 7921-7926.	6.6	142
7	Generation of Small Gold Clusters with Unique Geometries through Clusterâ€toâ€Cluster Transformations: Octanuclear Clusters with Edgeâ€sharing Gold Tetrahedron Motifs. Angewandte Chemie - International Edition, 2011, 50, 7442-7445.	7.2	135
8	A Novel Anion-Binding Chiral Receptor Based on a Metalloporphyrin with Molecular Asymmetry. Highly Enantioselective Recognition of Amino Acid Derivatives. Journal of the American Chemical Society, 1994, 116, 1337-1344.	6.6	122
9	Facile synthesis and optical properties of magic-number Au13 clusters. Nanoscale, 2012, 4, 4125.	2.8	122
10	An Inherently Chiral Au₂₄ Framework with Doubleâ€Helical Hexagold Strands. Angewandte Chemie - International Edition, 2018, 57, 7855-7859.	7.2	121
11	Protonation-Induced Chromism of Pyridylethynyl-Appended [core+exo]-Type Au₈ Clusters. Resonance-Coupled Electronic Perturbation through Ïâ€Conjugated Group. Journal of the American Chemical Society, 2013, 135, 16078-16081.	6.6	117
12	Phosphine-Coordinated Pure-Gold Clusters: Diverse Geometrical Structures and Unique Optical Properties/Responses. Structure and Bonding, 2014, , 49-86.	1.0	101
13	Enantiomeric Resolution of Chiral Metallobis(porphyrin)s: Studies on Rotatability of Electronically Coupled Porphyrin Ligands. Angewandte Chemie International Edition in English, 1997, 36, 856-858.	4.4	94
14	Clusterâ€“Ïâ€ electronic interaction in a superatomic Au₁₃ cluster bearing Ï*f*-bonded acetylide ligands. Chemical Communications, 2015, 51, 13519-13522.	2.2	93
15	Hydrogen bonds to Au atoms in coordinated gold clusters. Nature Communications, 2017, 8, 576.	5.8	92
16	[Au₇]³⁺: A Missing Link in the Four-Electron Gold Cluster Family. Journal of the American Chemical Society, 2014, 136, 12892-12895.	6.6	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. Chemical Communications, 2012, 48, 7559.	2.2	80
18	Turn-On and Selective Luminescence Sensing of Copper Ions by a Water-Soluble Cd10S16 Molecular Cluster. Angewandte Chemie - International Edition, 2006, 45, 5191-5194.	7.2	70

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19	Gold nanocluster confined within a cage: template-directed formation of a hexaporphyrin cage and its confinement capability. Chemical Communications, 2003, , 1282.	2.2	56
20	Remarkable Co-catalyst Effect of Gold Nanoclusters on Olefin Oxidation Catalyzed by a Manganeseâ˜Porphyrin Complex. Journal of the American Chemical Society, 2007, 129, 14401-14407.	6.6	53
21	Ligand-Based Toolboxes for Tuning of the Optical Properties of Subnanometer Gold Clusters. Journal of Physical Chemistry Letters, 2016, 7, 4267-4274.	2.1	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. Journal of the Chemical Society Chemical Communications, 1992, , 254.	2.0	47
23	Electronic Properties of [Core+exo]-type Gold Clusters: Factors Affecting the Unique Optical Transitions. Inorganic Chemistry, 2013, 52, 6570-6575.	1.9	43
24	Rotational oscillation of two interlocked porphyrins in cerium bis(5,15-diarylporphyrinate) double-deckers. Chemical Communications, 1998, , 1121-1122.	2.2	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. Angewandte Chemie - International Edition, 2004, 43, 5943-5946.	7.2	41
26	Free bases of chiral N-substituted porphyrins as catalysts for asymmetric reaction. Tetrahedron Letters, 1996, 37, 2585-2588.	0.7	34
27	Crystallographic Studies of Organosilicon Porphyrins:Â Stereoelectronic Effects of Axial Groups on the Nonplanarity of the Porphyrin Ring. Inorganic Chemistry, 1998, 37, 2591-2594.	1.9	33
28	An Inherently Chiral Au₂₄ Framework with Doubleâ€Helical Hexagold Strands. Angewandte Chemie, 2018, 130, 7981-7985.	1.6	32
29	Chiral N-substituted porphyrins related to heme inactivation products. First crystallographic determination of absolute stereochemistry and correlation with circular dichroism. Journal of the American Chemical Society, 1993, 115, 1169-1170.	6.6	31
30	Photoinduced conformational ruffling of distorted porphyrin. Optical resolution and photochemical behavior of chiral "single-armed" porphyrin complexes. Journal of the American Chemical Society, 1990, 112, 5639-5640.	6.6	30
31	A Photoresponsive Silicon Radical within a Porphyrin Ï€-Cloud:â€‰ Photolysis of Organo- and Nitroxysilicon Porphyrins with Visible Light. Journal of the American Chemical Society, 1998, 120, 9838-9843.	6.6	29
32	Highly stereoselective hydrogen transfer from alcohols to carbonyl compounds catalysed by aluminium porphyrins. Journal of the Chemical Society Chemical Communications, 1988, , 643.	2.0	26
33	Electric-Field-Induced Changes in Absorption and Emission Spectra of CdS Nanoparticles Doped in a Polymer Film. Journal of Physical Chemistry B, 2006, 110, 20927-20936.	1.2	26
34	Guest-selective binding of Z-amino acids by a strapped metalloporphyrin receptor with a hydrogen-bonding capability. Tetrahedron, 1997, 53, 9115-9122.	1.0	25
35	Catalytic Conversion of a Chitin-Derived Sugar Alcohol to an Amide-Containing Isosorbide Analog. ACS Sustainable Chemistry and Engineering, 2019, 7, 14883-14888.	3.2	22
36	Unusual Attractive Auâ€“Ï€ Interactions in Small Diacetyleneâ€Modified Gold Clusters. Angewandte Chemie - International Edition, 2019, 58, 2443-2447.	7.2	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. Journal of the American Chemical Society, 1991, 113, 6487-6491.	6.6	21
38	Recognition of the Helical Sense of Polypeptides by a Chiral Metalloporphyrin Receptor. Angewandte Chemie International Edition in English, 1996, 35, 2823-2825.	4.4	20
39	Chiroptical activity of Au₁₃ clusters: experimental and theoretical understanding of the origin of helical charge movements. Nanoscale Advances, 2021, 3, 1005-1011.	2.2	20
40	Nucleobase dendrimer as a multidentate ligand for a rare-earth metal ion. Chemical Communications, 2000, , 719-720.	2.2	19
41	Impact of Skeletal Isomerization of Ultrasmall Gold Clusters on Electrochemical Properties: Voltammetric Profiles of Nonspoked Octanuclear Clusters.. Journal of Physical Chemistry C, 2015, 119, 10995-10999.	1.5	19
42	Chiral Polyurethane Synthesis Leading to Ï€-Stacked 2/1-Helical Polymer and Cyclic Compounds. ACS Macro Letters, 2015, 4, 901-906.	2.3	19
43	Facile modulation of optical properties of octagold clusters through the control of ligand-mediated interactions. Physical Chemistry Chemical Physics, 2016, 18, 19433-19439.	1.3	19
44	Terahertz Raman Spectroscopy of Ligand-Protected Au₈ Clusters. Journal of Physical Chemistry Letters, 2020, 11, 7996-8001.	2.1	19
45	Preparation of Carbodiimides with One-Handed Axial Chirality. Journal of the American Chemical Society, 2018, 140, 15577-15581.	6.6	18
46	Mixed-halide perovskite synthesis by chemical reaction and crystal nucleation under an optical potential. NPG Asia Materials, 2019, 11, .	3.8	17
47	Hydrogen transfer from alcohols to carbonyl compounds catalyzed by aluminum porphyrins. Stereochemical aspects. Journal of Organic Chemistry, 1990, 55, 816-820.	1.7	15
48	Selective synthesis with metalloporphyrin catalysts. Journal of Molecular Catalysis, 1992, 74, 121-129.	1.2	15
49	Photoluminescence Properties of [Core+exo]-Type Au₆ Clusters: Insights into the Effect of Ligand Environments on the Excitation Dynamics. Journal of Physical Chemistry C, 2019, 123, 6934-6939.	1.5	14
50	Catalysis of Nucleobase via Multiple Hydrogen-Bonding Interactions:â€‰ Acceleration of Aminolysis of 6-Chloropurine Derivatives by Uracils. Journal of the American Chemical Society, 1999, 121, 7704-7705.	6.6	12
51	Dioxygen Insertion into the Axial Si-C Bonds of Organosilicon Porphyrins. Chemistry Letters, 1998, 27, 453-454.	0.7	11
52	The relationship between magneto-optical properties and molecular chirality. NPG Asia Materials, 2016, 8, e251-e251.	3.8	11
53	Aggregation-Mode-Dependent Optical Properties of Cationic Gold Clusters: Formation of Ordered Assemblies in Solution and Unique Optical Responses. Journal of Physical Chemistry C, 2020, 124, 16209-16215.	1.5	11
54	Self-promoted solid-state covalent networking of Au₂₅(SR)₁₈ through reversible disulfide bonds. A critical effect of the nanocluster in oxidation processes. Nanoscale, 2021, 13, 9971-9977.	2.8	11

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55	Apocytochromeb562 as a Novel Chiral Host Molecule: The First Enantioselective Reconstitution. Chemistry - A European Journal, 1998, 4, 1148-1153.	1.7	10
56	Supramolecular acid/base catalysis via multiple hydrogen bonding interaction. Chemical Communications, 2002, , 1690-1691.	2.2	9
57	High Catalytic Activity of Manganeseâ€“Porphyrin Cage Confining a Metal Nanocluster in Styrene Epoxidation. Chemistry Letters, 2006, 35, 476-477.	0.7	9
58	A Photocrosslinkable Dendrimer Consisting of a Nucleobase. Chemistry Letters, 2000, 29, 374-375.	0.7	8
59	Cationâ€“Ï€-driven Fluorescence Signalling of Ammonium Cations by Naphthyl-substituted Zn10S16and Cd10S16Clusters. Chemistry Letters, 2006, 35, 184-185.	0.7	8
60	Mechanistic insights into the co-catalyst effect of Au clusters in Mn-porphyrin-catalyzed olefin oxidation. New Journal of Chemistry, 2008, 32, 2134.	1.4	8
61	Unexpected electronic perturbation effects of simple PEG environments on the optical properties of small cadmium chalcogenide clusters. Nanoscale, 2015, 7, 20557-20563.	2.8	8
62	Hexanuclear Platinum(II) Thiolate Macrocyclic Host: Charge-Transfer-Driven Inclusion of a Ag^I Ion Guest. Inorganic Chemistry, 2016, 55, 9147-9149.	1.9	8
63	Size- and Stereo-specific Accommodation of Alkanes and Alkenes in Calixarene-based Microporous Solids. Chemistry Letters, 2007, 36, 246-247.	0.7	7
64	Diarsine- vs diphosphine-protected Au13 clusters: Effect of subtle geometric differences on optical property and electronic structure. Journal of Chemical Physics, 2021, 155, 054301.	1.2	7
65	Conformational Flexibility of Metalloporphyrin Skeletons As Studied by Racemization Profiles of Chiral meso-Substituted Metalloporphyrins with Molecular Asymmetry. Inorganic Chemistry, 1995, 34, 1292-1294.	1.9	6
66	Template Catalysis:Â Catalytic Metalation of Porphyrins by Apocytochromeb562. Journal of the American Chemical Society, 1999, 121, 7947-7948.	6.6	6
67	Aggregation-induced chirality amplification of optically active fluorescent polyurethane and a cyclic dimer in the ground and excited states. Chemical Communications, 2022, 58, 1029-1032.	2.2	6
68	Enantioselective hydrolysis of amino acid esters by apomyoglobin: perfect kinetic resolution of a phenylalanine derivative. Chemical Communications, 2001, , 133-134.	2.2	5
69	A photoâ€degradable helix: Synthesis, structure, and photolysis of optically active poly[2,7â€bis(4â€tâ€butylphenyl)â€9â€methylfluorenâ€9â€yl acrylate]. Journal of Polymer Science Part A, 2011, 49, 945-956.	2.2	5
70	Unusual Attractive Auâ€“Ï€ Interactions in Small Diacetyleneâ€Modified Gold Clusters. Angewandte Chemie, 2019, 131, 2465-2469.	1.6	5
71	The first chiral phosphorous porphyrins with molecular asymmetry: conformation studies on porphyrin macrocycles in solution. Tetrahedron Letters, 1999, 40, 6951-6955.	0.7	4
72	A Novel Photocatalysis of Phosphorous Porphyrins for Hydration of Benzonitrile. Chemistry Letters, 1998, 27, 1039-1040.	0.7	3

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73	Design and Applications of Chiral Porphyrins.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1998, 56, 201-209.	0.0	3
74	Surface-Functionalized CdS Clusters with Recognition Sites near the Interface: Selective Luminescence Response to Lipophilic Phenols. Langmuir, 2011, 27, 1332-1335.	1.6	3
75	Catalytic Synthesis of Oxazolidinones from a Chitin-Derived Sugar Alcohol. Bulletin of the Chemical Society of Japan, 2022, 95, 1054-1059.	2.0	3
76	Chiral Gold Clusters with Crosslinking Ligands: Geometric Structures and Chiroptical Activities. ChemNanoMat, 2022, 8, .	1.5	3
77	Erkennung der GÃngigkeit von Polypeptidhelices durch einen chiralen Metalloporphyrinrezeptor. Angewandte Chemie, 1996, 108, 3001-3003.	1.6	2
78	Facile Diastereoseparation of Glycosyl Sulfoxides by Chiral Stationary Phase. Chirality, 2016, 28, 534-539.	1.3	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.	1.9	2
80	Functionalization of Inorganic Nanoclusters based on the Molecular Recognition Events at the Heterogeneous Interface. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2008, 66, 239-248.	0.0	1
81	Self-assembling-directed Growth and PL Evolution of a Soluble Gold Thiolate Coordination Polymer. Chemistry Letters, 2020, 49, 1228-1231.	0.7	1