Yukatsu Shichibu

List of Publications by Year
in descending order

42	3,546	331670 21	265206 42
papers	citations	h-index	g-index

43	43	43	2310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	4.1	6
2	Catalytic Synthesis of Oxazolidinones from a Chitin-Derived Sugar Alcohol. Bulletin of the Chemical Society of Japan, 2022, 95, 1054-1059.	3.2	3
3	Chiral Gold Clusters with Crosslinking Ligands: Geometric Structures and Chiroptical Activities. ChemNanoMat, 2022, 8, .	2.8	3
4	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.	5.6	11
5	Chiroptical activity of Au₁₃ clusters: experimental and theoretical understanding of the origin of helical charge movements. Nanoscale Advances, 2021, 3, 1005-1011.	4.6	20
6	A Triad Fluorenone Derivative Bearing Two Imidazole Groups That Switches between Three States by Base and Acid Stimuli. Chemistry Letters, 2021, 50, 1363-1367.	1.3	0
7	Diarsine- vs diphosphine-protected Au13 clusters: Effect of subtle geometric differences on optical property and electronic structure. Journal of Chemical Physics, 2021, 155, 054301.	3.0	7
8	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
9	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.	3.1	11
10	Terahertz Raman Spectroscopy of Ligand-Protected Au₈ Clusters. Journal of Physical Chemistry Letters, 2020, 11, 7996-8001.	4.6	19
11	Catalytic Conversion of a Chitin-Derived Sugar Alcohol to an Amide-Containing Isosorbide Analog. ACS Sustainable Chemistry and Engineering, 2019, 7, 14883-14888.	6.7	22
12	Unusual Attractive Auâ€“Ïâ€ Interactions in Small Diacetyleneâ€Modified Gold Clusters. Angewandte Chemie, 2019, 131, 2465-2469.	2.0	5
13	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.	3.1	14
14	Unusual Attractive Auâ€“Ïâ€ Interactions in Small Diacetyleneâ€Modified Gold Clusters. Angewandte Chemie - International Edition, 2019, 58, 2443-2447.	13.8	22
15	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.	15.6	144
16	Preparation of Carbodiimides with One-Handed Axial Chirality. Journal of the American Chemical Society, 2018, 140, 15577-15581.	13.7	18
17	An Inherently Chiral Au₂₄ Framework with Doubleâ€Helical Hexagold Strands. Angewandte Chemie, 2018, 130, 7981-7985.	2.0	32
18	An Inherently Chiral Au₂₄ Framework with Doubleâ€Helical Hexagold Strands. Angewandte Chemie - International Edition, 2018, 57, 7855-7859.	13.8	121

#	Article	IF	Citations
19	Hydrogen bonds to Au atoms in coordinated gold clusters. Nature Communications, 2017, 8, 576.	12.8	92
20	Facile Diastereoseparation of Glycosyl Sulfoxides by Chiral Stationary Phase. Chirality, 2016, 28, 534-539.	2.6	2
21	Hexanuclear Platinum(II) Thiolate Macrocyclic Host: Charge-Transfer-Driven Inclusion of a Ag^I Ion Guest. Inorganic Chemistry, 2016, 55, 9147-9149.	4.0	8
22	Facile modulation of optical properties of octagold clusters through the control of ligand-mediated interactions. Physical Chemistry Chemical Physics, 2016, 18, 19433-19439.	2.8	19
23	Ligand-Based Toolboxes for Tuning of the Optical Properties of Subnanometer Gold Clusters. Journal of Physical Chemistry Letters, 2016, 7, 4267-4274.	4.6	50
24	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.	3.1	19
25	Clusterâ€“Ï€ electronic interaction in a superatomic Au₁₃ cluster bearing Ïƒ-bonded acetylide ligands. Chemical Communications, 2015, 51, 13519-13522.	4.1	93
26	Chiral Polyurethane Synthesis Leading to Ï€-Stacked 2/1-Helical Polymer and Cyclic Compounds. ACS Macro Letters, 2015, 4, 901-906.	4.8	19
27	[Au₇]³⁺: A Missing Link in the Four-Electron Gold Cluster Family. Journal of the American Chemical Society, 2014, 136, 12892-12895.	13.7	81
28	Protonation-Induced Chromism of Pyridylethynyl-Appended [core+exo]-Type Au₈ Clusters. Resonance-Coupled Electronic Perturbation through Ï€-Conjugated Group. Journal of the American Chemical Society, 2013, 135, 16078-16081.	13.7	117
29	Electronic Properties of [Core+exo]-type Gold Clusters: Factors Affecting the Unique Optical Transitions. Inorganic Chemistry, 2013, 52, 6570-6575.	4.0	43
30	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.	4.1	80
31	Facile synthesis and optical properties of magic-number Au13 clusters. Nanoscale, 2012, 4, 4125.	5.6	122
32	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.	2.8	5
33	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.	13.8	135
34	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.	10.0	255
35	Ubiquitous 8 and 29 kDa Gold:Alkanethiolate Cluster Compounds: Mass-Spectrometric Determination of Molecular Formulas and Structural Implications. Journal of the American Chemical Society, 2008, 130, 8608-8610.	13.7	377
36	Biicosahedral Gold Clusters [Au25(PPh3)10(SCnH2n+1)5Cl2]2+(n= 2â˜’18):â€‰ A Stepping Stone to Cluster-Assembled Materials. Journal of Physical Chemistry C, 2007, 111, 7845-7847.	3.1	349

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37	Origin of Magic Stability of Thiolated Gold Clusters:â€‰ A Case Study on Au₂₅(SC₆H₁₃)₁₈. Journal of the American Chemical Society, 2007, 129, 11322-11323.	13.7	332
38	Extremely High Stability of Glutathionate-Protected Au25 Clusters Against Core Etching. Small, 2007, 3, 835-839.	10.0	373
39	Tunneling resistance of double-barrier tunneling structures with an alkanethiol-protected Au nanoparticle. Physical Review B, 2005, 72, .	3.2	65
40	Large-Scale Synthesis of Thiolated Au25Clusters via Ligand Exchange Reactions of Phosphine-Stabilized Au11Clusters. Journal of the American Chemical Society, 2005, 127, 13464-13465.	13.7	413
41	Ab InitioStudy on Electronic Structures of Pentacene Molecular Crystals with Dopants. Japanese Journal of Applied Physics, 2003, 42, 5472-5476.	1.5	4
42	Ab initiostudy on surface segregation of hydrogen from diamond C(100) surfaces. Physical Review B, 2002, 65, .	3.2	12