Application of Electronic Counting Rules for Ligand-Pro

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Reversible nanocluster structure transformation between face-centered cubic and icosahedral isomers. Chemical Science, 2019, 10, 8685-8693.	3.7	65
2	Free Valence Electron Centralization Strategy for Preparing Ultrastable Nanoclusters and Their Catalytic Application. Inorganic Chemistry, 2019, 58, 11000-11009.	1.9	56
3	Insights into the effect of surface coordination on the structure and properties of Au₁₃Cu₂ nanoclusters. Nanoscale, 2019, 11, 19393-19397.	2.8	15
4	Metal Nanoclusters Stabilized by Selenol Ligands. Small, 2019, 15, e1902703.	5.2	48
5	Alkynyl-Protected Au₂₂(Câ‰¡CR)₁₈ Clusters Featuring New Interfacial Motifs and R-Dependent Photoluminescence. Journal of Physical Chemistry Letters, 2019, 10, 6892-6896.	2.1	81
6	Structure of the ligated Ag60 nanoparticle [{Cl@Ag12}@Ag48(dppm)12] (where) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542	0.6	7
7	Efficient and Selective Conversion of Phosphine-Protected (MAu₈)²⁺ (M = Pd,) Tj ETQq0 0 0 rgBT /Overlock (MAu₁₂)⁴⁺ Superatoms via Hydride Doping. Journal of the American Chemical Society, 2019, 141, 15994-16002.	6.6	79
8	Unveiling the electronic structures and ligation effect of the superatomâ€“polymeric zirconium oxide clusters: a computational study. Physical Chemistry Chemical Physics, 2019, 21, 14865-14872.	1.3	17
9	Intra-cluster growth meets inter-cluster assembly: The molecular and supramolecular chemistry of atomically precise nanoclusters. Coordination Chemistry Reviews, 2019, 394, 1-38.	9.5	129
10	Capture of Cesium Ions with Nanoclusters: Effects on Inter- and Intramolecular Assembly. Chemistry of Materials, 2019, 31, 4945-4952.	3.2	36
11	Protein-Like Large Gold Clusters Based on the Ï‰-Aminothiolate DMAET: Precision Thermal and Reaction Control Leading to Selective Formation of Cationic Gold Clusters in the Critical Size Range, <i>n</i> = 130â€“144 Gold Atoms. Journal of Physical Chemistry C, 2019, 123, 14871-14879.	1.5	9
12	Photoinduced Thermionic Emission from [M₂₅(SR)₁₈]^{âˆ’} (M = Au,) Tj ETQq1 1 0.784314 rgBT 13174-13179.	1.5	26
13	Tailoring the photoluminescence of atomically precise nanoclusters. Chemical Society Reviews, 2019, 48, 2422-2457.	18.7	655
14	New Polyhedra Approach To Explain the Structure and Evolution on Size of Thiolated Gold Clusters. Journal of Physical Chemistry C, 2019, 123, 10831-10841.	1.5	26
15	Core Size Conversion of Au₃₂₉(SCH₂CH₂Ph)₈₄ to Au₂₇₉(SPh-<i>t</i>Bu)₈₄ Nanomolecules. Journal of Physical Chemistry C, 2019, 123, 9634-9639.	1.5	15
16	Crystal Structure of Au_{36-x}Ag_{<i>x</i>}(SPh-<i>t</i>Bu)₂₄ Nanoalloy and the Role of Ag Doping in Excited State Coupling. Journal of Physical Chemistry C, 2019, 123, 29484-29494.	1.5	13
17	Unbiased fuzzy global optimization of Lennard-Jones clusters for N â‰ 1000. Journal of Chemical Physics, 2019, 151, 214105.	1.2	11
18	Transformation of Atomically Precise Nanoclusters by Ligand-Exchange. Chemistry of Materials, 2019, 31, 9939-9969.	3.2	130

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19	Unravelling the formation mechanism of alkynyl protected gold clusters: a case study of phenylacetylene stabilized Au₁₄₄ molecules. Nanoscale, 2020, 12, 2980-2986.	2.8	14
20	Nanocluster growth <i>via</i> â€œgraft-ontoâ€ effects on geometric structures and optical properties. Chemical Science, 2020, 11, 1691-1697.	3.7	41
21	Plasmonic Nanomolecules: Electrochemical Resolution of 22 Electronic States in Au₃₂₉(SR)₈₄. ACS Energy Letters, 2020, 5, 207-214.	8.8	19
22	Modulation of the Double-Helical Cores: A New Strategy for Structural Predictions of Thiolate-Protected Gold Nanoclusters. Journal of Physical Chemistry Letters, 2020, 11, 536-540.	2.1	16
23	Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver. Small, 2021, 17, e2001439.	5.2	64
24	Seeing Ligands on Nanoclusters and in Their Assemblies by X-ray Crystallography: Atomically Precise Nanochemistry and Beyond. Journal of the American Chemical Society, 2020, 142, 13627-13644.	6.6	90
25	Structural Transformations from Thiolate-Protected Gold Nanoclusters to Au(I)â€“S Complexes by Introducing Three-Coordinated Î¼3-Sulfido and Four-Coordinated Î¼4-Sulfido Motifs. Journal of Physical Chemistry C, 2020, 124, 16166-16170.	1.5	5
26	Ratiometric and sensitive cyanide sensing using dual-emissive gold nanoclusters. Analytical and Bioanalytical Chemistry, 2020, 412, 5819-5826.	1.9	18
27	Atom-by-Atom Evolution of the Same Ligand-Protected Au₂₁, Au₂₂, Au₂₂Cd₁, and Au₂₄ Nanocluster Series. Journal of the American Chemical Society, 2020, 142, 20426-20433.	6.6	36
28	Understanding the Chemical Insights of Staple Motifs of Thiolateâ€Protected Gold Nanoclusters. Small, 2021, 17, e2001836.	5.2	19
29	Atomically precise alloy nanoclusters: syntheses, structures, and properties. Chemical Society Reviews, 2020, 49, 6443-6514.	18.7	407
30	Heteroatom Tracing Reveals the 30-Atom Auâ€“Ag Bimetallic Nanocluster as a Dimeric Structure. Journal of Physical Chemistry Letters, 2020, 11, 7307-7312.	2.1	9
31	The Missing Link: Au191(SPh-tBu)66 Janus Nanoparticle with Molecular and Bulk-Metal-like Properties. Journal of the American Chemical Society, 2020, 142, 15799-15814.	6.6	48
32	Two-dimensional growth mode of thiolate-protected gold nanoclusters Au_{28+4n}(SR)_{20+2n} (<i>n</i> = 0â€“8): compared with their one-dimensional growth mode. Nanoscale, 2020, 12, 20677-20683.	2.8	15
33	Cocrystallization of Atomically Precise Nanoclusters. , 2020, 2, 1303-1314.		29
34	Overall Structures of Two Metal Nanoclusters: Chloride as a Bridge Fills the Space between the Metal Core and the Metal Shell. Inorganic Chemistry, 2020, 59, 11905-11909.	1.9	13
35	Subâ€3Ânm Aluminum Nanocrystals Exhibiting Clusterâ€Like Optical Properties. Small, 2020, 17, 2002524.	5.2	9
36	Towards elucidating structure of ligand-protected nanoclusters. Dalton Transactions, 2020, 49, 9191-9202.	1.6	15

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37	Controlling the Phosphine Ligands of Pt1Ag28(S-Adm)18(PR3)4 Nanoclusters. Inorganic Chemistry, 2020, 59, 8736-8743.	1.9	14
38	Synthesis, Structures, and Photoluminescence of Elongated Face-Centered-Cubic Ag₁₄ Clusters Containing Lipoic Acid and Its Amide Analogue. Inorganic Chemistry, 2020, 59, 8836-8845.	1.9	7
39	From Monolayer-Protected Gold Cluster to Monolayer-Protected Gold-Sulfide Cluster: Geometrical and Electronic Structure Evolutions of Au60Sn(SR)36 (n = 0â€“12). ACS Omega, 2020, 5, 16901-16911.	1.6	1
40	De novo design of Au36(SR)24 nanoclusters. Nature Communications, 2020, 11, 3349.	5.8	54
41	Structural predictions of thiolate-protected gold nanoclusters <i>via</i> the redistribution of Auâ€“S â€œstapleâ€•motifs on known cores. Physical Chemistry Chemical Physics, 2020, 22, 16624-16629.	1.3	6
42	Prediction of the Au₄S crystal <i>via</i> a superatom network model: from clusters to solids. Physical Chemistry Chemical Physics, 2020, 22, 3921-3926.	1.3	8
43	Medium-Sized Au₅₈(SR)₃₀: A New Chiral Structure Evolving from Crystallized Au₄₀(SR)₂₄ and Au₄₉(SR)₂₇. Journal of Physical Chemistry C, 2020, 124, 9077-9081.	1.5	5
44	Coinage metal clusters: From superatom chemistry to genetic materials. Coordination Chemistry Reviews, 2021, 429, 213643.	9.5	57
45	Electrocatalytic and photocatalytic applications of atomically precise gold-based nanoclusters. Science China Chemistry, 2021, 64, 1065-1075.	4.2	18
46	Structural Isomerism in Atomically Precise Nanoclusters. Chemistry of Materials, 2021, 33, 39-62.	3.2	42
47	Controlling the Crystallographic Packing Modes of Pt1Ag28 Nanoclusters: Effects on the Optical Properties and Nitrogen Adsorptionâ€“Desorption Performances. Inorganic Chemistry, 2021, 60, 4198-4206.	1.9	9
48	Toward Active-Site Tailoring in Heterogeneous Catalysis by Atomically Precise Metal Nanoclusters with Crystallographic Structures. Chemical Reviews, 2021, 121, 567-648.	23.0	361
49	Electron Counting in Ligated High Nuclearity Late Transition Metal Clusters. Structure and Bonding, 2021, , 1.	1.0	2
50	An insight, at the atomic level, into the polarization effect in controlling the morphology of metal nanoclusters. Chemical Science, 2021, 12, 11080-11088.	3.7	5
51	The [Ag25Cu4H8Br6(CCPh)12(PPh3)12]3+â€‰:â€‰Ag13H8 silver hydride core protected by [CuAg3(CCPh)3(PPh3)3]+ motifs. Dalton Transactions, 2021, 50, 5659-5665.	1.6	11
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53	Unraveling the Atomic Structures of 10-Electron (10e) Thiolate-Protected Gold Nanoclusters: Three Au32(SR)22 Isomers, One Au28(SR)18, and One Au33(SR)23. ACS Omega, 2021, 6, 10497-10503.	1.6	1
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56	[Au₇(SR)₇] Ring as a New Type of Protection Ligand in a New Atomic Structure of Au₁₅(SR)₁₃ Nanocluster. Journal of Physical Chemistry A, 2021, 125, 5933-5938.	1.1	11
57	[Ni8(CNtBu)12][Cl]: A nickel isocyanide nanocluster with a folded nanosheet structure. Journal of Chemical Physics, 2021, 154, 211102.	1.2	6
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59	Elucidating the stabilities and properties of the thiolate-protected Au nanoclusters with detaching the staple motifs. Journal of Chemical Physics, 2021, 155, 044302.	1.2	5
60	Correlating structural rules with electronic properties of ligand-protected alloy nanoclusters. Journal of Chemical Physics, 2021, 155, 024303.	1.2	4
61	Total Structure of Bimetallic Coreâ€“Shell [Au₄₂Cd₄₀(SR)₅₂]^{2âˆ’} Nanocluster and Its Implications. Angewandte Chemie - International Edition, 2021, 60, 17969-17973.	7.2	20
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78	Structural prediction of anion thiolate protected gold clusters of [Au_{28+7n}(SR)_{17+3n}]^{âˆ’} (n = 0â€“4). Journal of Chemical Physics, 2022, 157, 124303.	1.2	2
79	Phosphinous Acidâ€“Phosphinito Tetra-Icosahedral Au₅₂ Nanoclusters for Electrocatalytic Oxygen Reduction. Jacs Au, 2022, 2, 2617-2626.	3.6	5
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86	Exploration of the Atomic Pathway of Seed-Mediated Growth from Icosahedral [Au₂₅(SR)₁₈]^{âˆ’} to Bi-Icosahedral Au₃₈(SR)₂₄ and Au₄₄(SR)₂₆ Clusters Based on the 2<i>e</i>^{â€“} Hopping Mechanism. Inorganic Chemistry, 0, , .	1.9	0
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