

# Tatsuya Tsukuda

## List of Publications by Year in descending order

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249  
papers

18,778  
citations

17776

65  
h-index

14386

132  
g-index

269  
all docs

269  
docs citations

269  
times ranked

12533  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unified View on Varied Ultrafast Dynamics of the Primary Process in Microbial Rhodopsins. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
2	A Face-to-Face Dimer of Au <sub>3</sub> Superatoms Supported by Interlocked Tridentate Scaffolds Formed in Au <sub>18</sub> S <sub>2</sub> (SR) <sub>12</sub> . <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
3	A Face-to-Face Dimer of Au <sub>3</sub> Superatoms Supported by Interlocked Tridentate Scaffolds Formed in Au <sub>18</sub> S <sub>2</sub> (SR) <sub>12</sub> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202113275.	7.2	8
4	Synthesis of active, robust and cationic Au <sub>25</sub> cluster catalysts on double metal hydroxide by long-term oxidative aging of Au <sub>25</sub> (SR) <sub>18</sub> . <i>Nanoscale</i> , 2022, 14, 3031-3039.	2.8	10
5	Synthesis and Characterization of Enantiopure Chiral Bis NHC-Stabilized Edge-Shared Au <sub>10</sub> Nanocluster with Unique Prolate Shape. <i>Journal of the American Chemical Society</i> , 2022, 144, 2056-2061.	6.6	44
6	Controlled Synthesis of Diphosphine-Protected Gold Cluster Cations Using Magnetron Sputtering Method. <i>Molecules</i> , 2022, 27, 1330.	1.7	0
7	NHC-Stabilized Au <sub>10</sub> Nanoclusters and Their Conversion to Au <sub>25</sub> Nanoclusters. <i>Jacs Au</i> , 2022, 2, 875-885.	3.6	22
8	From atom-precise nanoclusters to superatom materials. <i>Journal of Chemical Physics</i> , 2022, 156, 170401.	1.2	11
9	N-Heterocyclic Carbene-Stabilized Hydrido Au <sub>24</sub> Nanoclusters: Synthesis, Structure, and Electrocatalytic Reduction of CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2022, 144, 9000-9006.	6.6	74
10	Doping-Mediated Energy-Level Engineering of M@Au <sub>12</sub> Superatoms (M=Pd, Pt, Rh, Ir) for Efficient Photoluminescence and Photocatalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
11	Polymer-Stabilized Au <sub>38</sub> Cluster: Atomically Precise Synthesis by Digestive Ripening and Characterization of the Atomic Structure and Oxidation Catalysis. <i>ACS Catalysis</i> , 2022, 12, 6550-6558.	5.5	5
12	Doping-Mediated Energy-Level Engineering of M@Au <sub>12</sub> Superatoms (M=Pd, Pt, Rh, Ir) for Efficient Photoluminescence and Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	44
13	Electron Affinities of Ligated Icosahedral M <sub>13</sub> Superatoms Revisited by Gas-Phase Anion Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5049-5055.	2.1	4
14	Temperature effect on photoelectron spectra of AuCO <sub>2</sub> : Relative stability between physisorbed and chemisorbed isomers. <i>Chemical Physics Letters</i> , 2022, , 139823.	1.2	0
15	Inside Cover: Doping-Mediated Energy-Level Engineering of M@Au <sub>12</sub> Superatoms (M=Pd, Pt,) <i>Tj ETQq1 1 0.784314</i> <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	0
16	Innentitelbild: Doping-Mediated Energy-Level Engineering of M@Au <sub>12</sub> Superatoms (M=Pd, Pt,) <i>Tj ETQq0 0 0 rgBT /Over</i> <i>Chemie</i> , 2022, 134, .	1.6	0
17	Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver. <i>Small</i> , 2021, 17, e2001439.	5.2	64
18	Controlled Dimerization and Bonding Scheme of Icosahedral M@Au <sub>12</sub> (M=Pd, Pt) Superatoms. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 645-649.	7.2	43

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19	Controlled Dimerization and Bonding Scheme of Icosahedral $M@Au_{12}$ ( $M = Pd, Pt$ ) Superatoms. <i>Angewandte Chemie</i> , 2021, 133, 655-659.	1.6	8
20	Identification of hydrogen species on $Pt/Al_2O_3$ by <i>in situ</i> inelastic neutron scattering and their reactivity with ethylene. <i>Catalysis Science and Technology</i> , 2021, 11, 116-123.	2.1	6
21	Few-nm-sized, phase-pure $Au_5Sn$ intermetallic nanoparticles: synthesis and characterization. <i>Dalton Transactions</i> , 2021, 50, 5177-5183.	1.6	5
22	Chemically Modified Gold/Silver Superatoms as Artificial Elements at Nanoscale: Design Principles and Synthesis Challenges. <i>Journal of the American Chemical Society</i> , 2021, 143, 1683-1698.	6.6	148
23	The Journal of Physical Chemistry C Virtual Special Issue on Metal Clusters, Nanoparticles, and the Physical Chemistry of Catalysis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4927-4929.	1.5	2
24	Exploring Novel Catalysis Using Polymer-Stabilized Metal Clusters. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1036-1044.	2.0	12
25	Gas-phase studies of chemically synthesized Au and Ag clusters. <i>Journal of Chemical Physics</i> , 2021, 154, 140901.	1.2	17
26	Ligand Effects on the Structures of $[Au_{23}L_6(C\hat{a}iCPh)_9]^{2+}$ ( $L = N$ -Heterocyclic Carbene vs) <i>Tj ETQo 0 0 rgBT /Overlo</i> 9930-9936.	1.5	28
27	New Magic $Au_{24}$ Cluster Stabilized by PVP: Selective Formation, Atomic Structure, and Oxidation Catalysis. <i>Jacs Au</i> , 2021, 1, 660-668.	3.6	21
28	Photoluminescence of Doped Superatoms $M@Au_{12}$ ( $M = Ru, Rh, Ir$ ) Homoleptically Capped by $(Ph_2)_2PCH_2P(Ph)_2$ : Efficient Room-Temperature Phosphorescence from $Ru@Au_{12}$ . <i>Journal of the American Chemical Society</i> , 2021, 143, 10560-10564.	6.6	57
29	Chemically Modified Superatoms: Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver (Small 27/2021). <i>Small</i> , 2021, 17, 2170136.	5.2	2
30	Effects of $\hat{c}aE$ Electron Systems on Optical Activity of $Au_{11}$ Clusters Protected by Chiral Diphosphines. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1265-1268.	1.0	7
31	Atomically-ordered Trimetallic Superatoms $M@Au_6Ag_6$ ( $M = Pd, Pt$ ): Synthesis and Photoluminescence Properties. <i>Chemistry Letters</i> , 2021, 50, 1419-1422.	0.7	4
32	Synergistic Effect in Ir- or Pt-Doped Ru Nanoparticles: Catalytic Hydrogenation of Carbonyl Compounds under Ambient Temperature and $H_2$ Pressure. <i>ACS Catalysis</i> , 2021, 11, 10502-10507.	5.5	5
33	Chemical transformations of $[MAu_8(PPh_3)_8]^{2+}$ ( $M = Pt, Pd$ ) and $[Au_9(PPh_3)_8]^{3+}$ in methanol induced by irradiation of atmospheric pressure plasma. <i>Journal of Chemical Physics</i> , 2021, 155, 124312.	1.2	2
34	Critical Role of $CF_3$ Groups in the Electronic Stabilization of $[PdAu_{24}(C\hat{a}iCC_6H_3)(CF_3)_3]^{2+}$ as Revealed by Gas-Phase Anion Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10417-10421.	2.1	4
35	Ligand Effects on the Hydrogen Evolution Reaction Catalyzed by $Au_{13}$ and $Pt@Au_{12}$ : Alkynyl vs Thiolate. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23226-23230.	1.5	22
36	Decorating an anisotropic $Au_{13}$ core with dendron thiolates: enhancement of optical absorption and photoluminescence. <i>Chemical Communications</i> , 2021, 57, 12159-12162.	2.2	3

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37	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108270.	1.4	36
38	Synergistic Effects of Pt and Cd Codoping to Icosahedral $\text{Au}_{13}$ Superatoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23923-23929.	1.5	30
39	Sequential growth of iridium cluster anions based on simple cubic packing. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17842-17846.	1.3	3
40	Collision-Induced Reductive Elimination of 1,3-Diynes from $[\text{MAu}_{24}(\text{C}_6\text{H}_6)_2]^{2+}$ (M = Pd, Pt) Yielding Clusters of Superatoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19119-19125.	1.5	11
41	$\text{Au}_3\text{Si}_4^{+}$ and $\text{Au}_4\text{Si}_4$ : Electronically Equivalent but Different Polarity Superatoms. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7710-7715.	1.1	2
42	Electron-Rich Gold Clusters Stabilized by Poly(vinylpyridines) as Robust and Active Oxidation Catalysts. <i>Langmuir</i> , 2020, 36, 7844-7849.	1.6	13
43	Understanding Doping Effects on Electronic Structures of Gold Superatoms: A Case Study of Diphosphine-Protected $\text{M@Au}_{12}$ (M = Au, Pt, Ir). <i>Inorganic Chemistry</i> , 2020, 59, 17889-17895.	1.9	42
44	Electron Microscopic Observation of an Icosahedral $\text{Au}_{13}$ Core in $\text{Au}_{25}(\text{SePh})_{18}$ and Reversible Isomerization between Icosahedral and Face-Centered Cubic Cores in $\text{Au}_{144}(\text{SCH}_2\text{CH}_2\text{Ph})_{60}$ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 6907-6912.	1.5	17
45	CdTe quantum dots modified electrodes ITO-(Polycation/QDs) for carbon dioxide reduction to methanol. <i>Applied Surface Science</i> , 2020, 509, 145386.	3.1	8
46	Base Catalytic Activity of $[\text{Nb}_{10}\text{O}_{28}]^{6-}$ : Effect of Counteranions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10975-10980.	1.5	16
47	Electron Binding in a Superatom with a Repulsive Coulomb Barrier: The Case of $[\text{Ag}_{44}(\text{SCH}_2\text{CH}_2\text{F})_{30}]^{4+}$ in the Gas Phase. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3069-3074.	2.1	20
48	Ligand-protected gold/silver superatoms: current status and emerging trends. <i>Chemical Science</i> , 2020, 11, 12233-12248.	3.7	69
49	Stoichiometric Formation of Open-Shell $[\text{PtAu}_{24}(\text{SCH}_2\text{CH}_2\text{Ph})_{18}]^{\sim}$ via Spontaneous Electron Proportionation between $[\text{PtAu}_{24}(\text{SCH}_2\text{CH}_2\text{Ph})_{18}]^{2+}$ and $[\text{PtAu}_{24}(\text{SCH}_2\text{CH}_2\text{Ph})_{18}]^0$ . <i>Journal of the American Chemical Society</i> , 2019, 141, 14048-14051.	6.6	62
50	Elucidating the Doping Effect on the Electronic Structure of Thiolate-Protected Silver Superatoms by Photoelectron Spectroscopy. <i>Angewandte Chemie</i> , 2019, 131, 11763-11767.	1.6	5
51	Titelbild: Elucidating the Doping Effect on the Electronic Structure of Thiolate-Protected Silver Superatoms by Photoelectron Spectroscopy ( <i>Angew. Chem.</i> 34/2019). <i>Angewandte Chemie</i> , 2019, 131, 11667-11667.	1.6	0
52	Ultrathin Gold Nanowires and Nanorods. <i>Chemistry Letters</i> , 2019, 48, 906-915.	0.7	23
53	Characterization of chemically modified gold and silver clusters in gas phase. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17463-17474.	1.3	29
54	Reductive Activation of Small Molecules by Anionic Coinage Metal Atoms and Clusters in the Gas Phase. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3763-3772.	1.7	9

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55	Alkynyl-Protected Au <sub>22</sub> (Câ% <sub>j</sub> CR) <sub>18</sub> Clusters Featuring New Interfacial Motifs and R-Dependent Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6892-6896.	2.1	81
56	Robust, Highly Luminescent Au <sub>13</sub> Superatoms Protected by N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14997-15002.	6.6	185
57	Structures of Chemically Modified Superatoms. <i>Molecular Science</i> , 2019, 13, A0108.	0.2	1
58	Efficient and Selective Conversion of Phosphine-Protected (MAu <sub>8</sub> ) <sup>2+</sup> (M = Pd, Tj ETQqO 0 0 rgBT /Overlock 1 (MAu <sub>12</sub> ) <sup>4+</sup> Superatoms via Hydride Doping. <i>Journal of the American Chemical Society</i> , 2019, 141, 15994-16002.	6.6	79
59	Elucidating the Doping Effect on the Electronic Structure of Thiolate-Protected Silver Superatoms by Photoelectron Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11637-11641.	7.2	41
60	Structural Evolution of Iridium Oxide Cluster Anions Ir <sub>n</sub> O <sub>m</sub> (n = 5-8) with Sequential Oxidation: Binding Mode of O Atoms and Ir Framework. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15301-15306.	1.5	8
61	Synthesis of Trimetallic (HPd@M <sub>2</sub> Au <sub>8</sub> ) <sup>3+</sup> Superatoms (M = Ag, Cu) via Hydride-Mediated Regioselective Doping to (Pd@Au <sub>8</sub> ) <sup>2+</sup> . <i>ACS Omega</i> , 2019, 4, 7070-7075.	1.6	30
62	Photoinduced Thermionic Emission from [M <sub>25</sub> (SR) <sub>18</sub> ] <sup>+</sup> (M = Au, Tj ETQqO 0 0 rgBT /Overlock 13174-13179.	1.5	26
63	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. <i>Nature Chemistry</i> , 2019, 11, 419-425.	6.6	333
64	Reduction-resistant [Au <sub>25</sub> (cyclohexanethiolate) <sub>18</sub> ] <sup>0</sup> with an Icosahedral Au <sub>13</sub> Core. <i>Chemistry Letters</i> , 2019, 48, 885-887.	0.7	8
65	Acid-base equilibrium of the chromophore counterion results in distinct photoisomerization reactivity in the primary event of proteorhodopsin. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25728-25734.	1.3	9
66	Asymmetric aerobic oxidation of secondary alcohols catalyzed by poly(N-vinyl-2-pyrrolidone)-stabilized gold clusters modified with cyclodextrin derivatives. <i>Chemical Communications</i> , 2019, 55, 15033-15036.	2.2	11
67	Controlling Nanoparticles with Atomic Precision. <i>Accounts of Chemical Research</i> , 2019, 52, 1-1.	7.6	46
68	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 193-204.	2.0	38
69	Characterization of Chemically Modified Gold/Silver Superatoms in the Gas Phase. , 2019, , 223-253.		0
70	Au <sub>25</sub> -Loaded BaLa <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Water-Splitting Photocatalyst with Enhanced Activity and Durability Produced Using New Chromium Oxide Shell Formation Method. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13669-13681.	1.5	67
71	Gold Ultrathin Nanorods with Controlled Aspect Ratios and Surface Modifications: Formation Mechanism and Localized Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2018, 140, 6640-6647.	6.6	58
72	Efficient One-Pot Synthesis and pH-Dependent Tuning of Photoluminescence and Stability of Au <sub>18</sub> (SC <sub>2</sub> H <sub>4</sub> CO <sub>2</sub> ) <sub>14</sub> Cluster. <i>Journal of Physical Chemistry A</i> , 2018, 122, 1228-1234.	1.1	17

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73	Size-Dependent Polymorphism in Aluminum Carbide Cluster Anions $\text{Al}_n\text{C}_2$ : Formation of Acetylide-Containing Structures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8341-8347.	1.5	9
74	Doping a Single Palladium Atom into Gold Superatoms Stabilized by PVP: Emergence of Hydrogenation Catalysis. <i>Topics in Catalysis</i> , 2018, 61, 136-141.	1.3	30
75	Dynamic Behavior of Rh Species in $\text{Rh}/\text{Al}_2\text{O}_3$ Model Catalyst during Three-Way Catalytic Reaction: An Operando X-ray Absorption Spectroscopy Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 176-184.	6.6	55
76	Hydride Doping of Chemically Modified Gold-Based Superatoms. <i>Accounts of Chemical Research</i> , 2018, 51, 3074-3083.	7.6	106
77	Photoelectron Spectroscopy of Molecular Anion of $\text{Al}_3$ : An Estimation of Reorganization Energy for Electron Transport in the Bulk. <i>ACS Omega</i> , 2018, 3, 15200-15204.	1.6	2
78	Superior Base Catalysis of Group 5 Hexametalates $[\text{M}_6\text{O}_{19}]^{8-}$ ( $\text{M} = \text{Tj}, \text{ET}, \text{Q}, \text{O}, \text{O}, \text{rg}, \text{BT}$ ). <i>Journal of Physical Chemistry C</i> , 2018, 122, 29398-29404.	1.5	34
79	Abstraction of the I Atom from $\text{CH}_3\text{I}$ by Gas-Phase $\text{Au}_n^+$ ( $n = 1-4$ ) via Reductive Activation of the C-I Bond. <i>ACS Omega</i> , 2018, 3, 16874-16881.	1.6	8
80	Interconversions of Structural Isomers of $[\text{PdAu}_8(\text{PPh}_3)_8]^{2+}$ and $[\text{Au}_9(\text{PPh}_3)_3]^{3+}$ Revealed by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23123-23128.	1.5	23
81	Hydride-Mediated Controlled Growth of a Bimetallic $(\text{Pd}@\text{Au}_8)^{2+}$ Superatom to a Hydride-Doped $(\text{HPd}@\text{Au}_{10})^{3+}$ Superatom. <i>Journal of the American Chemical Society</i> , 2018, 140, 12314-12317.	6.6	74
82	An $\text{Au}_{25}(\text{SR})_{18}$ Cluster with a Face-Centered Cubic Core. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13199-13204.	1.5	33
83	Prominent hydrogenation catalysis of a PVP-stabilized $\text{Au}_{34}$ superatom provided by doping a single Rh atom. <i>Chemical Communications</i> , 2018, 54, 5915-5918.	2.2	35
84	Collision-Induced Dissociation of Undecagold Clusters Protected by Mixed Ligands $[\text{Au}_{11}(\text{PPh}_3)_3]_8\text{X}_2$ ( $\text{X} = \text{Cl}, \text{C}_6\text{H}_5$ ). <i>ACS Omega</i> , 2018, 3, 6237-6242.	1.6	30
85	Hydride-Doped Gold Superatom $(\text{Au}_9\text{H})^{2+}$ : Synthesis, Structure, and Transformation. <i>Journal of the American Chemical Society</i> , 2018, 140, 8380-8383.	6.6	103
86	Structural Model of Ultrathin Gold Nanorods Based on High-Resolution Transmission Electron Microscopy: Twinned 1D Oligomers of Cuboctahedrons. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10942-10947.	1.5	4
87	Hydrogen-Mediated Electron Doping of Gold Clusters As Revealed by In Situ X-ray and UV-vis Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2368-2372.	2.1	31
88	Suppressing Isomerization of Phosphine-Protected $\text{Au}_9$ Cluster by Bond Stiffening Induced by a Single Pd Atom Substitution. <i>Inorganic Chemistry</i> , 2017, 56, 8319-8325.	1.9	50
89	Lewis Base Catalytic Properties of $[\text{Nb}_{10}\text{O}_{28}]^{6-}$ for $\text{CO}_2$ Fixation to Epoxide: Kinetic and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1635-1640.	1.7	21
90	Observation and the Origin of Magic Compositions of $\text{Co}_n\text{O}_m$ Formed in Oxidation of Cobalt Cluster Anions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10957-10963.	1.5	9

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91	Monodisperse Iridium Clusters Protected by Phenylacetylene: Implication for Size-Dependent Evolution of Binding Sites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10936-10941.	1.5	19
92	Photoassisted Homocoupling of Methyl Iodide Mediated by Atomic Gold in Low-Temperature Neon Matrix. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8408-8413.	1.1	5
93	A gold superatom with 10 electrons in $\text{Au}_{13}(\text{PPh}_3)_8(\text{SC}_6\text{H}_4\text{CO}_2\text{H})_3$ . <i>APL Materials</i> , 2017, 5, 053402.		
94	Formation of Grignard Reagent-like Complex $[\text{CH}_3\text{M}^+]$ via Oxidative Addition of $\text{CH}_3\text{I}$ on Coinage Metal Anions $\text{M}^-$ (M = Cu, Ag, Au) in the Gas Phase. <i>Chemistry Letters</i> , 2017, 46, 676-679.	0.7	10
95	Anion photoelectron spectroscopy of free $[\text{Au}_{25}(\text{SC}_{12}\text{H}_{25})_{18}]^+$ . <i>Nanoscale</i> , 2017, 9, 13409-13412.	2.8	35
96	Ion Transport across Biological Membranes by Carborane-Capped Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 12492-12499.	7.3	43
97	Structure Determination of a Water-Soluble $^{144}\text{Au}$ Atom Particle at Atomic Resolution by Aberration-Corrected Electron Microscopy. <i>ACS Nano</i> , 2017, 11, 11866-11871.	7.3	47
98	Atomically-Precise Synthesis and Structure Determination of Coinage Metal Clusters. <i>Hyomen Kagaku</i> , 2017, 38, 4-11.	0.0	0
99	Optical Properties of Ultra-Small Gold Nanostructures. <i>Springer Series in Chemical Physics</i> , 2017, , 205-218.	0.2	1
100	Selective and High-Yield Synthesis of Oblate Superatom $[\text{PdAu}_8(\text{PPh}_3)_8]^{2+}$ . <i>ChemElectroChem</i> , 2016, 3, 1206-1211.	1.7	18
101	Rayleigh Instability and Surfactant-Mediated Stabilization of Ultrathin Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17006-17010.	1.5	27
102	Partially oxidized iridium clusters within dendrimers: size-controlled synthesis and selective hydrogenation of 2-nitrobenzaldehyde. <i>Nanoscale</i> , 2016, 8, 11371-11374.	2.8	30
103	Controlled Synthesis of Carbon-Supported Gold Clusters for Rational Catalyst Design. <i>Chemical Record</i> , 2016, 16, 2338-2348.	2.9	40
104	Tuning the electronic structure of thiolate-protected 25-atom clusters by co-substitution with metals having different preferential sites. <i>Dalton Transactions</i> , 2016, 45, 18064-18068.	1.6	51
105	Amplification of the Optical Activity of Gold Clusters by the Proximity of BINAP. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4509-4513.	2.1	80
106	Halogen adsorbates on polymer-stabilized gold clusters: Mass spectrometric detection and effects on catalysis. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1656-1661.	6.9	12
107	Selective and High-Yield Synthesis of Oblate Superatom $[\text{PdAu}_8(\text{PPh}_3)_8]^{2+}$ . <i>ChemElectroChem</i> , 2016, 3, 1190-1190.	1.7	1
108	Size-Specific, Dissociative Activation of Carbon Dioxide by Cobalt Cluster Anions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14209-14215.	1.5	36

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109	Hierarchy of bond stiffnesses within icosahedral-based gold clusters protected by thiolates. <i>Nature Communications</i> , 2016, 7, 10414.	5.8	140
110	Application of group V polyoxometalate as an efficient base catalyst: a case study of decaniobate clusters. <i>RSC Advances</i> , 2016, 6, 16239-16242.	1.7	26
111	Oxidative Addition of CH <sub>3</sub> I to Au <sup>+</sup> in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2016, 120, 957-963.	1.1	19
112	The electrooxidation-induced structural changes of gold di-superatomic molecules: Au <sub>23</sub> vs. Au <sub>25</sub> . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4822-4827.	1.3	16
113	Repeated appearance and disappearance of localized surface plasmon resonance in 1.2 nm gold clusters induced by adsorption and desorption of hydrogen atoms. <i>Nanoscale</i> , 2016, 8, 2544-2547.	2.8	23
114	Controlled Synthesis. <i>Frontiers of Nanoscience</i> , 2015, 9, 9-38.	0.3	5
115	Slow-Reduction Synthesis of a Thiolate-Protected One-Dimensional Gold Cluster Showing an Intense Near-Infrared Absorption. <i>Journal of the American Chemical Society</i> , 2015, 137, 7027-7030.	6.6	68
116	Preface to Special Issue on Current Trends in Clusters and Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10795-10796.	1.5	1
117	Density Functional Theory Study on Stabilization of the Al <sub>13</sub> Superatom by Poly(vinylpyrrolidone). <i>Journal of Physical Chemistry C</i> , 2015, 119, 10904-10909.	1.5	15
118	A Critical Size for Emergence of Nonbulk Electronic and Geometric Structures in Dodecanethiolate-Protected Au Clusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 1206-1212.	6.6	322
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