Tatsuya Tsukuda

List of Publications by Year
in descending order

249 papers	18,778 citations	15466 65 h-index	12558 132 g-index
269 all docs	269 docs citations	269 times ranked	11106 citing authors

#	Article	IF	Citations
1	A Unified View on Varied Ultrafast Dynamics of the Primary Process in Microbial Rhodopsins. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
2	A Faceâ€toâ€Face Dimer of Au₃ Superatoms Supported by Interlocked Tridentate Scaffolds Formed in Au₁₈S₂(SR)₁₂. Angewandte Chemie, 2022, 134, .	1.6	2
3	A Faceâ€toâ€Face Dimer of Au₃ Superatoms Supported by Interlocked Tridentate Scaffolds Formed in Au₁₈S₂(SR)₁₂. Angewandte Chemie - International Edition, 2022, 61, e202113275.	7.2	8
4	Synthesis of active, robust and cationic Au₂₅ cluster catalysts on double metal hydroxide by long-term oxidative aging of Au₂₅(SR)₁₈. Nanoscale, 2022, 14, 3031-3039.	2.8	10
5	Synthesis and Characterization of Enantiopure Chiral Bis NHC-Stabilized Edge-Shared Au₁₀ Nanocluster with Unique Prolate Shape. Journal of the American Chemical Society, 2022, 144, 2056-2061.	6.6	44
6	Controlled Synthesis of Diphosphine-Protected Gold Cluster Cations Using Magnetron Sputtering Method. Molecules, 2022, 27, 1330.	1.7	0
7	NHC-Stabilized Au₁₀ Nanoclusters and Their Conversion to Au₂₅ Nanoclusters. Jacs Au, 2022, 2, 875-885.	3.6	22
8	From atom-precise nanoclusters to superatom materials. Journal of Chemical Physics, 2022, 156, 170401.	1.2	11
9	N-Heterocyclic Carbene-Stabilized Hydrido Au₂₄ Nanoclusters: Synthesis, Structure, and Electrocatalytic Reduction of CO₂. Journal of the American Chemical Society, 2022, 144, 9000-9006.	6.6	74
10	Dopingâ€Mediated Energyâ€Level Engineering of M@Au₁₂ Superatoms (M=Pd, Pt, Rh, Ir) for Efficient Photoluminescence and Photocatalysis. Angewandte Chemie, 2022, 134, .	1.6	1
11	Polymer-Stabilized Au₃₈ Cluster: Atomically Precise Synthesis by Digestive Ripening and Characterization of the Atomic Structure and Oxidation Catalysis. ACS Catalysis, 2022, 12, 6550-6558.	5.5	5
12	Dopingâ€Mediated Energyâ€Level Engineering of M@Au₁₂ Superatoms (M=Pd, Pt, Rh, Ir) for Efficient Photoluminescence and Photocatalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	44
13	Electron Affinities of Ligated Icosahedral M₁₃ Superatoms Revisited by Gas-Phase Anion Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 5049-5055.	2.1	4
14	Temperature effect on photoelectron spectra of AuCO2â€":Relative stability between physisorbed and chemisorbed isomers. Chemical Physics Letters, 2022, , 139823.	1.2	0
15	Inside Cover: Dopingâ€Mediated Energyâ€Level Engineering of M@Au₁₂ Superatoms (M=Pd, Pt,) Tj ETQq1 1 0.784314 rg Angewandte Chemie - International Edition, 2022, 61, .	7.2	0
16	Innentitelbild: Dopingâ€Mediated Energyâ€Level Engineering of M@Au₁₂ Superatoms (M=Pd, Pt,) Tj ETQq0 0 0 rgBT /Over Chemie, 2022, 134, .	1.6	0
17	Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver. Small, 2021, 17, e2001439.	5.2	64
18	Controlled Dimerization and Bonding Scheme of Icosahedral M@Au₁₂ (M=Pd, Pt) Superatoms. Angewandte Chemie - International Edition, 2021, 60, 645-649.	7.2	43

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19	Controlled Dimerization and Bonding Scheme of Icosahedral M@Au₁₂ (M=Pd, Pt) Superatoms. Angewandte Chemie, 2021, 133, 655-659.	1.6	8
20	Identification of hydrogen species on Pt/Al₂O₃ by <i>in situ</i> inelastic neutron scattering and their reactivity with ethylene. Catalysis Science and Technology, 2021, 11, 116-123.	2.1	6
21	Few-nm-sized, phase-pure Au₅Sn intermetallic nanoparticles: synthesis and characterization. Dalton Transactions, 2021, 50, 5177-5183.	1.6	5
22	Chemically Modified Gold/Silver Superatoms as Artificial Elements at Nanoscale: Design Principles and Synthesis Challenges. Journal of the American Chemical Society, 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. Journal of Physical Chemistry C, 2021, 125, 4927-4929.	1.5	2
24	Exploring Novel Catalysis Using Polymer-Stabilized Metal Clusters. Bulletin of the Chemical Society of Japan, 2021, 94, 1036-1044.	2.0	12
25	Gas-phase studies of chemically synthesized Au and Ag clusters. Journal of Chemical Physics, 2021, 154, 140901.	1.2	17
26	Ligand Effects on the Structures of [Au₂₃L₆(Câ‰¡CPh)₉]²⁺ (L = N-Heterocyclic Carbene vs) Tj ETQq0 0 0 rgBT /Overlc 9930-9936.	1.5	28
27	New Magic Au₂₄ Cluster Stabilized by PVP: Selective Formation, Atomic Structure, and Oxidation Catalysis. Jacs Au, 2021, 1, 660-668.	3.6	21
28	Photoluminescence of Doped Superatoms M@Au₁₂ (M = Ru, Rh, Ir) Homoleptically Capped by (Ph₂)PCH₂P(Ph₂): Efficient Room-Temperature Phosphorescence from Ru@Au₁₂. Journal of the American Chemical Society, 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). Small, 2021, 17, 2170136.	5.2	2
30	Effects of <scp>Ï€â€Electron</scp> Systems on Optical Activity of Au₁₁ Clusters Protected by Chiral Diphosphines. Bulletin of the Korean Chemical Society, 2021, 42, 1265-1268.	1.0	7
31	Atomically-ordered Trimetallic Superatoms M@Au₆Ag₆ (M = Pd, Pt): Synthesis and Photoluminescence Properties. Chemistry Letters, 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 H₂ Pressure. ACS Catalysis, 2021, 11, 10502-10507.	5.5	5
33	Chemical transformations of [MAu8(PPh3)8]2+ (M = Pt, Pd) and [Au9(PPh3)8]3+ in methanol induced by irradiation of atmospheric pressure plasma. Journal of Chemical Physics, 2021, 155, 124312.	1.2	2
34	Critical Role of CF₃ Groups in the Electronic Stabilization of [PdAu₂₄(Câ‰¡CC₆H₃(CF₃)₂)₁₈]^{2â€“} as Revealed by Gas-Phase Anion Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 10417-10421.	2.1	4
35	Ligand Effects on the Hydrogen Evolution Reaction Catalyzed by Au₁₃ and Pt@Au₁₂: Alkynyl vs Thiolate. Journal of Physical Chemistry C, 2021, 125, 23226-23230.	1.5	22
36	Decorating an anisotropic Au₁₃ core with dendron thiolates: enhancement of optical absorption and photoluminescence. Chemical Communications, 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. Radiation Physics and Chemistry, 2020, 175, 108270.	1.4	36
38	Synergistic Effects of Pt and Cd Codoping to Icosahedral Au_{13} Superatoms. Journal of Physical Chemistry C, 2020, 124, 23923-23929.	1.5	30
39	Sequential growth of iridium cluster anions based on simple cubic packing. Physical Chemistry Chemical Physics, 2020, 22, 17842-17846.	1.3	3
40	Collision-Induced Reductive Elimination of 1,3-Diynes from [MAu₂₄(Câ‰¡CR)₁₈]^{2â€“} (M = Pd, Pt) Yielding Clusters of Superatoms. Journal of Physical Chemistry C, 2020, 124, 19119-19125.	1.5	11
41	Au₃Si₄^{â€“} and Au₄Si₄: Electronically Equivalent but Different Polarity Superatoms. Journal of Physical Chemistry A, 2020, 124, 7710-7715.	1.1	2
42	Electron-Rich Gold Clusters Stabilized by Poly(vinylpyridines) as Robust and Active Oxidation Catalysts. Langmuir, 2020, 36, 7844-7849.	1.6	13
43	Understanding Doping Effects on Electronic Structures of Gold Superatoms: A Case Study of Diphosphine-Protected M@Au₁₂ (M = Au, Pt, Ir). Inorganic Chemistry, 2020, 59, 17889-17895.	1.9	42
44	Electron Microscopic Observation of an Icosahedral Au₁₃ Core in Au₂₅(SePh)₁₈ and Reversible Isomerization between Icosahedral and Face-Centered Cubic Cores in Au₁₄₄(SC₂H₄Ph)₆₀. Journal of Physical Chemistry C, 2020, 124, 6907-6912.	1.5	17
45	CdTe quantum dots modified electrodes ITO-(Polycation/QDs) for carbon dioxide reduction to methanol. Applied Surface Science, 2020, 509, 145386.	3.1	8
46	Base Catalytic Activity of [Nb₁₀O₂₈]^{6â€“}: Effect of Countercations. Journal of Physical Chemistry C, 2020, 124, 10975-10980.	1.5	16
47	Electron Binding in a Superatom with a Repulsive Coulomb Barrier: The Case of [Ag₄₄(SC₆H₃F₂)₃₀]^{4â€“} in the Gas Phase. Journal of Physical Chemistry Letters, 2020, 11, 3069-3074.	2.1	20
48	Ligand-protected gold/silver superatoms: current status and emerging trends. Chemical Science, 2020, 11, 12233-12248.	3.7	69
49	Stoichiometric Formation of Open-Shell [PtAu₂₄(SC₂H₄Ph)₁₈]^{âˆ’} via Spontaneous Electron Proportionation between [PtAu₂₄(SC₂H₄Ph)₁₈]^{2â€“} and [PtAu₂₄(SC₂H₄Ph)₁₈]⁰. Journal of the American Chemical Society, 2019, 141, 14048-14051.	6.6	62
50	Elucidating the Doping Effect on the Electronic Structure of Thiolateâ€Protected Silver Superatoms by Photoelectron Spectroscopy. Angewandte Chemie, 2019, 131, 11763-11767.	1.6	5
51	Titelbild: Elucidating the Doping Effect on the Electronic Structure of Thiolateâ€Protected Silver Superatoms by Photoelectron Spectroscopy (Angew. Chem. 34/2019). Angewandte Chemie, 2019, 131, 11667-11667.	1.6	0
52	Ultrathin Gold Nanowires and Nanorods. Chemistry Letters, 2019, 48, 906-915.	0.7	23
53	Characterization of chemically modified gold and silver clusters in gas phase. Physical Chemistry Chemical Physics, 2019, 21, 17463-17474.	1.3	29
54	Reductive Activation of Small Molecules by Anionic Coinage Metal Atoms and Clusters in the Gas Phase. Chemistry - an Asian Journal, 2019, 14, 3763-3772.	1.7	9

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55	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
56	Robust, Highly Luminescent Au₁₃ Superatoms Protected by N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2019, 141, 14997-15002.	6.6	185
57	Structures of Chemically Modified Superatoms. Molecular Science, 2019, 13, A0108.	0.2	1
58	Efficient and Selective Conversion of Phosphine-Protected (MAu₈)²⁺ (M = Pd,) Tj ETQq0 0 0 rgBT /Overlock 1 (MAu₁₂)⁴⁺ Superatoms via Hydride Doping. Journal of the American Chemical Society, 2019, 141, 15994-16002.	6.6	79
59	Elucidating the Doping Effect on the Electronic Structure of Thiolateâ€Protected Silver Superatoms by Photoelectron Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 11637-11641.	7.2	41
60	Structural Evolution of Iridium Oxide Cluster Anions Ir<i>_n</i>O<i>_m</i>^{â€“} (<i>n</i> = 5â€“8) with Sequential Oxidation: Binding Mode of O Atoms and Ir Framework. Journal of Physical Chemistry C, 2019, 123, 15301-15306.	1.5	8
61	Synthesis of Trimetallic (HPd@M₂Au₈)³⁺ Superatoms (M = Ag, Cu) via Hydride-Mediated Regioselective Doping to (Pd@Au₈)²⁺. ACS Omega, 2019, 4, 7070-7075.	1.6	30
62	Photoinduced Thermionic Emission from [M₂₅(SR)₁₈]^{âˆ’} (M = Au,) Tj ETQq0 0 0 rgBT /Overlock 13174-13179.	1.5	26
63	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. Nature Chemistry, 2019, 11, 419-425.	6.6	333
64	Reduction-resistant [Au₂₅(cyclohexanethiolate)₁₈]⁰ with an Icosahedral Au₁₃ Core. Chemistry Letters, 2019, 48, 885-887.	0.7	8
65	Acidâ€“base equilibrium of the chromophore counterion results in distinct photoisomerization reactivity in the primary event of proteorhodopsin. Physical Chemistry Chemical Physics, 2019, 21, 25728-25734.	1.3	9
66	Asymmetric aerobic oxidation of secondary alcohols catalyzed by poly(<i>N</i>-vinyl-2-pyrrolidone)-stabilized gold clusters modified with cyclodextrin derivatives. Chemical Communications, 2019, 55, 15033-15036.	2.2	11
67	Controlling Nanoparticles with Atomic Precision. Accounts of Chemical Research, 2019, 52, 1-1.	7.6	46
68	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters. Bulletin of the Chemical Society of Japan, 2019, 92, 193-204.	2.0	38
69	Characterization of Chemically Modified Gold/Silver Superatoms in the Gas Phase. , 2019, , 223-253.		0
70	Au₂₅-Loaded BaLa₄Ti₄O₁₅ Water-Splitting Photocatalyst with Enhanced Activity and Durability Produced Using New Chromium Oxide Shell Formation Method. Journal of Physical Chemistry C, 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. Journal of the American Chemical Society, 2018, 140, 6640-6647.	6.6	58
72	Efficient One-Pot Synthesis and pH-Dependent Tuning of Photoluminescence and Stability of Au₁₈(SC₂H₄CO₂H)₁₄ Cluster. Journal of Physical Chemistry A, 2018, 122, 1228-1234.	1.1	17

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73	Size-Dependent Polymorphism in Aluminum Carbide Cluster Anions Al_{<i>n</i>}C₂^{â€“}: Formation of Acetylide-Containing Structures. Journal of Physical Chemistry C, 2018, 122, 8341-8347.	1.5	9
74	Doping a Single Palladium Atom into Gold Superatoms Stabilized by PVP: Emergence of Hydrogenation Catalysis. Topics in Catalysis, 2018, 61, 136-141.	1.3	30
75	Dynamic Behavior of Rh Species in Rh/Al₂O₃ Model Catalyst during Three-Way Catalytic Reaction: An <i>Operando</i> X-ray Absorption Spectroscopy Study. Journal of the American Chemical Society, 2018, 140, 176-184.	6.6	55
76	Hydride Doping of Chemically Modified Gold-Based Superatoms. Accounts of Chemical Research, 2018, 51, 3074-3083.	7.6	106
77	Photoelectron Spectroscopy of Molecular Anion of Alq3: An Estimation of Reorganization Energy for Electron Transport in the Bulk. ACS Omega, 2018, 3, 15200-15204.	1.6	2
78	Superior Base Catalysis of Group 5 Hexametalates [M₆O₁₉]^{8â€“} (M =) Tj ETQq0 0 0 rgBT /Overl Journal of Physical Chemistry C, 2018, 122, 29398-29404.	1.5	34
79	Abstraction of the I Atom from CH₃I by Gas-Phase Au_{<i>n</i>}^{â€“} (<i>n</i> = 1â€“4) via Reductive Activation of the Câ€“I Bond. ACS Omega, 2018, 3, 16874-16881.	1.6	8
80	Interconversions of Structural Isomers of [PdAu₈(PPh₃)₈]²⁺ and [Au₉(PPh₃)₈]³⁺ Revealed by Ion Mobility Mass Spectrometry. Journal of Physical Chemistry C, 2018, 122, 23123-23128.	1.5	23
81	Hydride-Mediated Controlled Growth of a Bimetallic (Pd@Au₈)²⁺ Superatom to a Hydride-Doped (HPd@Au₁₀)³⁺ Superatom. Journal of the American Chemical Society, 2018, 140, 12314-12317.	6.6	74
82	An Au₂₅(SR)₁₈ Cluster with a Face-Centered Cubic Core. Journal of Physical Chemistry C, 2018, 122, 13199-13204.	1.5	33
83	Prominent hydrogenation catalysis of a PVP-stabilized Au₃₄ superatom provided by doping a single Rh atom. Chemical Communications, 2018, 54, 5915-5918.	2.2	35
84	Collision-Induced Dissociation of Undecagold Clusters Protected by Mixed Ligands [Au₁₁(PPh₃)₈X₂]⁺ (X = Cl, Câ‰¡CPh). ACS Omega, 2018, 3, 6237-6242.	1.6	30
85	Hydride-Doped Gold Superatom (Au₉H)²⁺: Synthesis, Structure, and Transformation. Journal of the American Chemical Society, 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. Journal of Physical Chemistry C, 2017, 121, 10942-10947.	1.5	4
87	Hydrogen-Mediated Electron Doping of Gold Clusters As Revealed by In Situ X-ray and UVâ€“vis Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 2368-2372.	2.1	31
88	Suppressing Isomerization of Phosphine-Protected Au₉ Cluster by Bond Stiffening Induced by a Single Pd Atom Substitution. Inorganic Chemistry, 2017, 56, 8319-8325.	1.9	50
89	Lewis Base Catalytic Properties of [Nb₁₀O₂₈]^{6âˆ’} for CO₂ Fixation to Epoxide: Kinetic and Theoretical Studies. Chemistry - an Asian Journal, 2017, 12, 1635-1640.	1.7	21
90	Observation and the Origin of Magic Compositions of Co_{<i>n</i>}O_{<i>m</i>}^{â€“} Formed in Oxidation of Cobalt Cluster Anions. Journal of Physical Chemistry C, 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. Journal of Physical Chemistry C, 2017, 121, 10936-10941.	1.5	19
92	Photoassisted Homocoupling of Methyl Iodide Mediated by Atomic Gold in Low-Temperature Neon Matrix. Journal of Physical Chemistry A, 2017, 121, 8408-8413.	1.1	5
93	A gold superatom with 10 electrons in Au₁₃(PPh₃)₈(<i>p</i>-SC₆H₄CO₂H)₃. APL Materials, 2017, 5, 053402.	2.2	11
94	Formation of Grignard Reagent-like Complex [CH₃â€"Mâ€"I]^{â^'} via Oxidative Addition of CH₃I on Coinage Metal Anions M^{â^'} (M = Cu, Ag, Au) in the Gas Phase. Chemistry Letters, 2017, 46, 676-679.	0.7	10
95	Anion photoelectron spectroscopy of free [Au₂₅(SC₁₂H₂₅)₁₈]^{â^'}. Nanoscale, 2017, 9, 13409-13412.	2.8	35
96	Ion Transport across Biological Membranes by Carborane-Capped Gold Nanoparticles. ACS Nano, 2017, 11, 12492-12499.	7.3	43
97	Structure Determination of a Water-Soluble 144-Gold Atom Particle at Atomic Resolution by Aberration-Corrected Electron Microscopy. ACS Nano, 2017, 11, 11866-11871.	7.3	47
98	Atomically-Precise Synthesis and Structure Determination of Coinage Metal Clusters. Hyomen Kagaku, 2017, 38, 4-11.	0.0	0
99	Optical Properties of Ultra-Small Gold Nanostructures. Springer Series in Chemical Physics, 2017, , 205-218.	0.2	1
100	Selective and Highâ€Yield Synthesis of Oblate Superatom [PdAu₈(PPh₃)₈]²⁺. ChemElectroChem, 2016, 3, 1206-1211.	1.7	18
101	Rayleigh Instability and Surfactant-Mediated Stabilization of Ultrathin Gold Nanorods. Journal of Physical Chemistry C, 2016, 120, 17006-17010.	1.5	27
102	Partially oxidized iridium clusters within dendrimers: size-controlled synthesis and selective hydrogenation of 2-nitrobenzaldehyde. Nanoscale, 2016, 8, 11371-11374.	2.8	30
103	Controlled Synthesis of Carbonâ€Supported Gold Clusters for Rational Catalyst Design. Chemical Record, 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. Dalton Transactions, 2016, 45, 18064-18068.	1.6	51
105	Amplification of the Optical Activity of Gold Clusters by the Proximity of BINAP. Journal of Physical Chemistry Letters, 2016, 7, 4509-4513.	2.1	80
106	Halogen adsorbates on polymer-stabilized gold clusters: Mass spectrometric detection and effects on catalysis. Chinese Journal of Catalysis, 2016, 37, 1656-1661.	6.9	12
107	Selective and Highâ€Yield Synthesis of Oblate Superatom [PdAu₈(PPh₃)₈]²⁺. ChemElectroChem, 2016, 3, 1190-1190.	1.7	1
108	Size-Specific, Dissociative Activation of Carbon Dioxide by Cobalt Cluster Anions. Journal of Physical Chemistry C, 2016, 120, 14209-14215.	1.5	36

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109	Hierarchy of bond stiffnesses within icosahedral-based gold clusters protected by thiolates. Nature Communications, 2016, 7, 10414.	5.8	140
110	Application of group V polyoxometalate as an efficient base catalyst: a case study of decaniobate clusters. RSC Advances, 2016, 6, 16239-16242.	1.7	26
111	Oxidative Addition of CH₃I to Au^{â€“} in the Gas Phase. Journal of Physical Chemistry A, 2016, 120, 957-963.	1.1	19
112	The electrooxidation-induced structural changes of gold di-superatomic molecules: Au₂₃vs. Au₂₅. Physical Chemistry Chemical Physics, 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. Nanoscale, 2016, 8, 2544-2547.	2.8	23
114	Controlled Synthesis. Frontiers of Nanoscience, 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. Journal of the American Chemical Society, 2015, 137, 7027-7030.	6.6	68
116	Preface to Special Issue on Current Trends in Clusters and Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 10795-10796.	1.5	1
117	Density Functional Theory Study on Stabilization of the Al₁₃ Superatom by Poly(vinylpyrrolidone). Journal of Physical Chemistry C, 2015, 119, 10904-10909.	1.5	15
118	A Critical Size for Emergence of Nonbulk Electronic and Geometric Structures in Dodecanethiolate-Protected Au Clusters. Journal of the American Chemical Society, 2015, 137, 1206-1212.	6.6	322
119	Synthesis and Catalytic Application of Ag₄₄ Clusters Supported on Mesoporous Carbon. Journal of Physical Chemistry C, 2015, 119, 27483-27488.	1.5	54
120	Chemically Modified Gold Superatoms and Superatomic Molecules. Chemical Record, 2014, 14, 897-909.	2.9	47
121	Nonscalable Oxidation Catalysis of Gold Clusters. Accounts of Chemical Research, 2014, 47, 816-824.	7.6	520
122	A face-sharing bi-icosahedral model for Al₂₃^{âˆ’}. Physical Chemistry Chemical Physics, 2014, 16, 21717-21720.	1.3	7
123	A twisted bi-icosahedral Au₂₅cluster enclosed by bulky arenethiolates. Chemical Communications, 2014, 50, 839-841.	2.2	49
124	Hydrogen-induced structural transformation of AuCu nanoalloys probed by synchrotron X-ray diffraction techniques. Nanoscale, 2014, 6, 4067-4071.	2.8	24
125	Electron microscopy of gold nanoparticles at atomic resolution. Science, 2014, 345, 909-912.	6.0	269
126	Preferential Location of Coinage Metal Dopants (M = Ag or Cu) in [Au_{25â€“<i>x</i>}M_{<i>x</i>}(SC₂H₄Ph)₁₈]^{âˆ’} (<i>x</i> âˆ¼ 1) As Determined by Extended X-ray Absorption Fine Structure and Density Functional Theory Calculations. Journal of Physical Chemistry C, 2014, 118, 25284-25290.	1.5	98

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127	Thiolate-Mediated Selectivity Control in Aerobic Alcohol Oxidation by Porous Carbon-Supported Au₂₅ Clusters. ACS Catalysis, 2014, 4, 3696-3700.	5.5	168
128	Selective Hydrogenation of 4-Nitrobenzaldehyde to 4-Aminobenzaldehyde by Colloidal RhCu Bimetallic Nanoparticles. Topics in Catalysis, 2014, 57, 1049-1053.	1.3	15
129	Surface Plasmon Resonance in Gold Ultrathin Nanorods and Nanowires. Journal of the American Chemical Society, 2014, 136, 8489-8491.	6.6	76
130	Au₂₅ Clusters Containing Unoxidized Tellurolates in the Ligand Shell. Journal of Physical Chemistry Letters, 2014, 5, 2072-2076.	2.1	54
131	CHAPTER 10. Metal Clusters in Catalysis. RSC Smart Materials, 2014, , 291-322.	0.1	3
132	Selenolate-Protected Au₃₈ Nanoclusters: Isolation and Structural Characterization. Journal of Physical Chemistry Letters, 2013, 4, 3181-3185.	2.1	78
133	Formation of a Pd@Au₁₂ Superatomic Core in Au₂₄Pd₁(SC₁₂H₂₅)₁₈ Probed by ¹⁹⁷Au MÃ¶ssbauer and Pd K-Edge EXAFS Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 3579-3583.	2.1	89
134	Enhanced magnetization in highly crystalline and atomically mixed bcc Feâ€“Co nanoalloys prepared by hydrogen reduction of oxide composites. Nanoscale, 2013, 5, 1489.	2.8	27
135	Direct atomic imaging and density functional theory study of the Au24Pd1 cluster catalyst. Nanoscale, 2013, 5, 9620.	2.8	37
136	Structural evolution of glutathionate-protected gold clusters studied by means of 197 Au MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2013, 217, 91-98.	0.2	8
137	Binding Motif of Terminal Alkynes on Gold Clusters. Journal of the American Chemical Society, 2013, 135, 9450-9457.	6.6	179
138	Dendrimer-Encapsulated Copper Cluster as a Chemoselective and Regenerable Hydrogenation Catalyst. ACS Catalysis, 2013, 3, 182-185.	5.5	85
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