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	Glutathione-Protected Gold Clusters Revisited:â€‰ Bridging the Gap between Gold(I)â^'Thiolate Complexes and Thiolate-Protected Gold Nanocrystals. Journal of the American Chemical Society, 2005, 127, 5261-5270.	6.6	1,492
2	Size-Specific Catalytic Activity of Polymer-Stabilized Gold Nanoclusters for Aerobic Alcohol Oxidation in Water. Journal of the American Chemical Society, 2005, 127, 9374-9375.	6.6	832
3	Effect of Electronic Structures of Au Clusters Stabilized by Poly(<i>N</i>-vinyl-2-pyrrolidone) on Aerobic Oxidation Catalysis. Journal of the American Chemical Society, 2009, 131, 7086-7093.	6.6	615
4	Magic-Numbered AunClusters Protected by Glutathione Monolayers (n= 18, 21, 25, 28, 32, 39):Â Isolation and Spectroscopic Characterization. Journal of the American Chemical Society, 2004, 126, 6518-6519.	6.6	529
5	Nonscalable Oxidation Catalysis of Gold Clusters. Accounts of Chemical Research, 2014, 47, 816-824.	7.6	520
6	Large-Scale Synthesis of Thiolated Au25Clusters via Ligand Exchange Reactions of Phosphine-Stabilized Au11Clusters. Journal of the American Chemical Society, 2005, 127, 13464-13465.	6.6	413
7	Chirality and Electronic Structure of the Thiolate-Protected Au₃₈ Nanocluster. Journal of the American Chemical Society, 2010, 132, 8210-8218.	6.6	401
8	Aerobic Oxidation of Cyclohexane Catalyzed by Size-Controlled Au Clusters on Hydroxyapatite: Size Effect in the Sub-2 nm Regime. ACS Catalysis, 2011, 1, 2-6.	5.5	383
9	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.	6.6	377
10	Extremely High Stability of Glutathionate-Protected Au25 Clusters Against Core Etching. Small, 2007, 3, 835-839.	5.2	373
11	Enhancement in Aerobic Alcohol Oxidation Catalysis of Au₂₅ Clusters by Single Pd Atom Doping. ACS Catalysis, 2012, 2, 1519-1523.	5.5	358
12	Colloidal Gold Nanoparticles as Catalyst for Carbonâ^'Carbon Bond Formation:Â Application to Aerobic Homocoupling of Phenylboronic Acid in Water. Langmuir, 2004, 20, 11293-11296.	1.6	356
13	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.	1.5	349
14	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. Nature Chemistry, 2019, 11, 419-425.	6.6	333
15	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.	6.6	332
16	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
17	Ligand Exchange of Au₂₅SG₁₈ Leading to Functionalized Gold Clusters: Spectroscopy, Kinetics, and Luminescence. Journal of Physical Chemistry C, 2008, 112, 12168-12176.	1.5	307
18	Synthesis of Normal and Inverted Goldâ^'Silver Coreâ^'Shell Architectures in Î²-Cyclodextrin and Their Applications in SERS. Journal of Physical Chemistry C, 2007, 111, 10806-10813.	1.5	286

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19	Stabilized gold clusters: from isolation toward controlled synthesis. Nanoscale, 2012, 4, 4027.	2.8	280
20	Efficient and selective epoxidation of styrene with TBHP catalyzed by Au25clusters on hydroxyapatite. Chemical Communications, 2010, 46, 550-552.	2.2	271
21	Electron microscopy of gold nanoparticles at atomic resolution. Science, 2014, 345, 909-912.	6.0	269
22	Pd/C as a Reusable Catalyst for the Coupling Reaction of Halophenols and Arylboronic Acids in Aqueous Media. Journal of Organic Chemistry, 2002, 67, 2721-2722.	1.7	248
23	Toward an Atomic-Level Understanding of Size-Specific Properties of Protected and Stabilized Gold Clusters. Bulletin of the Chemical Society of Japan, 2012, 85, 151-168.	2.0	224
24	Synthesis and Characterization of Au₁₀₂(<i>p</i>-MBA)₄₄Nanoparticles. Journal of the American Chemical Society, 2011, 133, 2976-2982.	6.6	219
25	Thermosensitive Gold Nanoclusters Stabilized by Well-Defined Vinyl Ether Star Polymers:â€‰ Reusable and Durable Catalysts for Aerobic Alcohol Oxidation. Journal of the American Chemical Society, 2007, 129, 12060-12061.	6.6	207
26	Size effect on the catalysis of gold clusters dispersed in water for aerobic oxidation of alcohol. Chemical Physics Letters, 2006, 429, 528-532.	1.2	193
27	Robust, Highly Luminescent Au₁₃ Superatoms Protected by N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2019, 141, 14997-15002.	6.6	185
28	Chiroptical Activity of BINAP-Stabilized Undecagold Clusters. Journal of Physical Chemistry B, 2006, 110, 11611-11614.	1.2	181
29	Binding Motif of Terminal Alkynes on Gold Clusters. Journal of the American Chemical Society, 2013, 135, 9450-9457.	6.6	179
30	One-Pot Preparation of Subnanometer-Sized Gold Clusters via Reduction and Stabilization bymeso-2,3-Dimercaptosuccinic Acid. Journal of the American Chemical Society, 2003, 125, 4046-4047.	6.6	174
31	Thiolate-Mediated Selectivity Control in Aerobic Alcohol Oxidation by Porous Carbon-Supported Au₂₅ Clusters. ACS Catalysis, 2014, 4, 3696-3700.	5.5	168
32	Aerobic Oxidations Catalyzed by Colloidal Nanogold. Chemistry - an Asian Journal, 2011, 6, 736-748.	1.7	166
33	Organogold Clusters Protected by Phenylacetylene. Journal of the American Chemical Society, 2011, 133, 20123-20125.	6.6	161
34	Synthesis and the Origin of the Stability of Thiolate-Protected Au₁₃₀ and Au₁₈₇ Clusters. Journal of Physical Chemistry Letters, 2012, 3, 1624-1628.	2.1	156
35	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
36	Effect of Ag-Doping on the Catalytic Activity of Polymer-Stabilized Au Clusters in Aerobic Oxidation of Alcohol. Journal of Physical Chemistry C, 2007, 111, 4885-4888.	1.5	141

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37	Hierarchy of bond stiffnesses within icosahedral-based gold clusters protected by thiolates. Nature Communications, 2016, 7, 10414.	5.8	140
38	Chromatographic Isolation of â€œMissingâ€•Au55Clusters Protected by Alkanethiolates. Journal of the American Chemical Society, 2006, 128, 6036-6037.	6.6	136
39	X-ray Magnetic Circular Dichroism of Size-Selected, Thiolated Gold Clusters. Journal of the American Chemical Society, 2006, 128, 12034-12035.	6.6	136
40	Preparation of â^¼1 nm Gold Clusters Confined within Mesoporous Silica and Microwave-Assisted Catalytic Application for Alcohol Oxidation. Journal of Physical Chemistry C, 2009, 113, 13457-13461.	1.5	136
41	Microfluidic Synthesis and Catalytic Application of PVP-Stabilized, â^¼1 nm Gold Clusters. Langmuir, 2008, 24, 11327-11330.	1.6	132
42	A New Binding Motif of Sterically Demanding Thiolates on a Gold Cluster. Journal of the American Chemical Society, 2012, 134, 14295-14297.	6.6	122
43	Magic Numbers of Gold Clusters Stabilized by PVP. Journal of the American Chemical Society, 2009, 131, 18216-18217.	6.6	114
44	Hydride Doping of Chemically Modified Gold-Based Superatoms. Accounts of Chemical Research, 2018, 51, 3074-3083.	7.6	106
45	Kinetic Stabilization of Growing Gold Clusters by Passivation with Thiolates. Journal of Physical Chemistry B, 2006, 110, 12218-12221.	1.2	103
46	Hydride-Doped Gold Superatom (Au₉H)²⁺: Synthesis, Structure, and Transformation. Journal of the American Chemical Society, 2018, 140, 8380-8383.	6.6	103
47	Highly Selective Ammonia Synthesis from Nitrate with Photocatalytically Generated Hydrogen on CuPd/TiO₂. Journal of the American Chemical Society, 2011, 133, 1150-1152.	6.6	98
48	Preferential Location of Coinage Metal Dopants (M = Ag or Cu) in [Au_{25â€"<i>x</i>}M_{<i>x</i>}(SC₂H₄Ph)₁₈]^{â^’} (<i>x</i> â^¼ 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
49	Photoelectron spectroscopy of (CO2)nâ^’ revisited: core switching in the 2 â©½ n â©½ 16 range. Chemical Physics Letters, 1997, 268, 429-433.	1.2	96
50	Oxidative homo-coupling of potassium aryltrifluoroborates catalyzed by gold nanocluster under aerobic conditions. Journal of Organometallic Chemistry, 2007, 692, 368-374.	0.8	95
51	Selective synthesis of organogold magic clusters Au54(Cî€,CPh)26. Chemical Communications, 2012, 48, 6085.	2.2	91
52	Visible photoluminescence from nearly monodispersed Au12 clusters protected by meso-2,3-dimercaptosuccinic acid. Chemical Physics Letters, 2004, 383, 161-165.	1.2	90
53	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
54	Dendrimer-Encapsulated Copper Cluster as a Chemoselective and Regenerable Hydrogenation Catalyst. ACS Catalysis, 2013, 3, 182-185.	5.5	85

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55	Formation of Alkanethiolate-Protected Gold Clusters with Unprecedented Core Sizes in the Thiolation of Polymer-Stabilized Gold Clusters. Journal of Physical Chemistry C, 2007, 111, 4153-4158.	1.5	84
56	Synthetic Application of PVP-stabilized Au Nanocluster Catalyst to Aerobic Oxidation of Alcohols in Aqueous Solution under Ambient Conditions. Chemistry Letters, 2007, 36, 212-213.	0.7	81
57	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
58	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
59	Efficient and Selective Conversion of Phosphine-Protected (MAu₈)²⁺ (M = Pd,) Tj ETQq1 1 0.784314 rgBT /O (MAu₁₂)⁴⁺ Superatoms via Hydride Doping. Journal of the American Chemical Society, 2019, 141, 15994-16002.	6.6	79
60	Selenolate-Protected Au₃₈ Nanoclusters: Isolation and Structural Characterization. Journal of Physical Chemistry Letters, 2013, 4, 3181-3185.	2.1	78
61	Surface Plasmon Resonance in Gold Ultrathin Nanorods and Nanowires. Journal of the American Chemical Society, 2014, 136, 8489-8491.	6.6	76
62	Size Determination of Gold Clusters by Polyacrylamide Gel Electrophoresis in a Large Cluster Region. Journal of Physical Chemistry C, 2009, 113, 14076-14082.	1.5	75
63	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
64	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
65	MALDI Mass Analysis of 11 kDa Gold Clusters Protected by Octadecanethiolate Ligands. Journal of Physical Chemistry C, 2010, 114, 16004-16009.	1.5	73
66	Ligand-protected gold/silver superatoms: current status and emerging trends. Chemical Science, 2020, 11, 12233-12248.	3.7	69
67	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
68	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
69	Lewis Acid Character of Zero-valent Gold Nanoclusters under Aerobic Conditions: Intramolecular Hydroalkoxylation of Alkenes. Chemistry Letters, 2007, 36, 646-647.	0.7	66
70	Isolation and structural characterization of magic silver clusters protected by 4-(tert-butyl)benzyl mercaptan. Chemical Communications, 2011, 47, 5693.	2.2	66
71	Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver. Small, 2021, 17, e2001439.	5.2	64
72	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

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73	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
74	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
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	Au₂₅ Clusters Containing Unoxidized Tellurolates in the Ligand Shell. Journal of Physical Chemistry Letters, 2014, 5, 2072-2076.	2.1	54
77	Synthesis and Catalytic Application of Ag₄₄ Clusters Supported on Mesoporous Carbon. Journal of Physical Chemistry C, 2015, 119, 27483-27488.	1.5	54
78	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
79	Luminescence properties of metallo-supramolecular coordination polymers assembled from pyridine ring functionalized ditopic bis-terpyridines and Ru(ii) ion. Journal of Materials Chemistry, 2008, 18, 4555.	6.7	50
80	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
81	A twisted bi-icosahedral Au₂₅cluster enclosed by bulky arenethiolates. Chemical Communications, 2014, 50, 839-841.	2.2	49
82	Production of an ordered (B2) CuPd nanoalloy by low-temperature annealing under hydrogen atmosphere. Dalton Transactions, 2011, 40, 4842.	1.6	47
83	Chemically Modified Gold Superatoms and Superatomic Molecules. Chemical Record, 2014, 14, 897-909.	2.9	47
84	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
85	Controlling Nanoparticles with Atomic Precision. Accounts of Chemical Research, 2019, 52, 1-1.	7.6	46
86	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
87	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
88	Ion Transport across Biological Membranes by Carborane-Capped Gold Nanoparticles. ACS Nano, 2017, 11, 12492-12499.	7.3	43
89	Controlled Dimerization and Bonding Scheme of Icosahedral M@Au₁₂ (M=Pd, Pt) Superatoms. Angewandte Chemie - International Edition, 2021, 60, 645-649.	7.2	43
90	Negative-ion photoelectron spectroscopy of (CS2)nâˆ’: coexistence of electronic isomers. Chemical Physics Letters, 1997, 279, 179-184.	1.2	42

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91	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
92	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
93	EXAFS study on interfacial structure between Pd cluster and n-octadecanethiolate monolayer: formation of mixed Pdâ€“S interlayer. Chemical Physics Letters, 2003, 376, 26-32.	1.2	40
94	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. Synlett, 2009, 2009, 245-248.	1.0	40
95	High-yield synthesis of PVP-stabilized small Pt clusters by microfluidic method. Catalysis Today, 2012, 183, 101-107.	2.2	40
96	Controlled Synthesis of Carbonâ€Supported Gold Clusters for Rational Catalyst Design. Chemical Record, 2016, 16, 2338-2348.	2.9	40
97	Fragmentation process of sizeâ€selected aluminum cluster anions in collision with a silicon surface. Journal of Chemical Physics, 1996, 104, 1387-1393.	1.2	39
98	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters. Bulletin of the Chemical Society of Japan, 2019, 92, 193-204.	2.0	38
99	Direct atomic imaging and density functional theory study of the Au24Pd1 cluster catalyst. Nanoscale, 2013, 5, 9620.	2.8	37
100	Size-Specific, Dissociative Activation of Carbon Dioxide by Cobalt Cluster Anions. Journal of Physical Chemistry C, 2016, 120, 14209-14215.	1.5	36
101	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. Radiation Physics and Chemistry, 2020, 175, 108270.	1.4	36
102	Electronic isomers in [(CO2)nROH]âˆ’ cluster anions. I. Photoelectron spectroscopy. Journal of Chemical Physics, 1999, 110, 7846-7857.	1.2	35
103	Size Effect of Silica-supported Gold Clusters in the Microwave-assisted Oxidation of Benzyl Alcohol with H2O2. Chemistry Letters, 2010, 39, 159-161.	0.7	35
104	Anion photoelectron spectroscopy of free [Au₂₅(SC₁₂H₂₅)₁₈]^{âˆ’}. Nanoscale, 2017, 9, 13409-13412.	2.8	35
105	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
106	Electronic isomers in [(CO2)nROH]âˆ’ cluster anions. II. Ab initio calculations. Journal of Chemical Physics, 1999, 111, 6333-6344.	1.2	34
107	Thiolate-Induced Structural Reconstruction of Gold Clusters Probed by197Au MÃ¶ssbauer Spectroscopy. Journal of the American Chemical Society, 2007, 129, 7230-7231.	6.6	34
108	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

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109	Formation of Pdn(SR)m clusters (n<60) in the reactions of PdCl2 and RSH (R=n-C18H37, n-C12H25). Chemical Physics Letters, 2002, 366, 561-566.	1.2	33
110	Structures and Stabilities of Alkanethiolate Monolayers on Palladium Clusters As Studied by Gel Permeation Chromatography. Journal of Physical Chemistry B, 2004, 108, 3496-3503.	1.2	33
111	An Au₂₅(SR)₁₈ Cluster with a Face-Centered Cubic Core. Journal of Physical Chemistry C, 2018, 122, 13199-13204.	1.5	33
112	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. Catalysis Surveys From Asia, 2011, 15, 230-239.	1.0	31
113	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
114	Partially oxidized iridium clusters within dendrimers: size-controlled synthesis and selective hydrogenation of 2-nitrobenzaldehyde. Nanoscale, 2016, 8, 11371-11374.	2.8	30
115	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
116	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
117	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
118	Synergistic Effects of Pt and Cd Codoping to Icosahedral Au_{13} Superatoms. Journal of Physical Chemistry C, 2020, 124, 23923-23929.	1.5	30
119	Ab initio study of (CO2)nâˆ': structures and stabilities of isomers. Chemical Physics Letters, 2001, 340, 376-384.	1.2	29
120	Characterization of chemically modified gold and silver clusters in gas phase. Physical Chemistry Chemical Physics, 2019, 21, 17463-17474.	1.3	29
121	Collision Processes of Size-Selected Cluster Anions, (C6F6)n- (n = 1-5), with a Silicon Surface. The Journal of Physical Chemistry, 1995, 99, 6367-6373.	2.9	28
122	Fluorescent Fe(II) metallo-supramolecular polymers: metal-ion-directed self-assembly of new bisterpyridines containing triethylene glycol chains. Polymer Journal, 2010, 42, 336-341.	1.3	28
123	Ligand Effects on the Structures of [Au₂₃L₆(Câ‰¡CPh)₉]²⁺ (L = N-Heterocyclic Carbene vs) Tj ETQq1 1 0.784314 rgB 9930-9936.	1.5	28
124	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
125	Rayleigh Instability and Surfactant-Mediated Stabilization of Ultrathin Gold Nanorods. Journal of Physical Chemistry C, 2016, 120, 17006-17010.	1.5	27
126	Size and Shape of Nanoclusters: Singleâ€Shot Imaging Approach. Small, 2012, 8, 2361-2364.	5.2	26

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127	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
128	Photoinduced Thermionic Emission from [M₂₅(SR)₁₈]^{âˆ’} (M = Au,) Tj ETQq0 0 0 rgBT /Overlock 13174-13179.	1.5	26
129	Intracluster Anionic Polymerization Initiated by Electron Attachment onto Olefin Clusters (CH2:CXCN)N (X = Cl, H, D, and CH3) and (CH2:CHC6H5)N. Journal of the American Chemical Society, 1994, 116, 9555-9564.	6.6	25
130	Platonic Hexahedron Composed of Six Organic Faces with an Inscribed Au Cluster. Journal of the American Chemical Society, 2012, 134, 816-819.	6.6	25
131	Hydrogen-induced structural transformation of AuCu nanoalloys probed by synchrotron X-ray diffraction techniques. Nanoscale, 2014, 6, 4067-4071.	2.8	24
132	Reaction of Negatively-Charged Clusters of Carbon Dioxide with CH3I:â€‰ Formation of Novel Molecular Anion CH3CO2I-. Journal of Physical Chemistry A, 1997, 101, 5103-5110.	1.1	23
133	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
134	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
135	Ultrathin Gold Nanowires and Nanorods. Chemistry Letters, 2019, 48, 906-915.	0.7	23
136	Structureâ€constrained anionic polymerization in hydrogenâ€bonded acrylonitrile clusters. Journal of Chemical Physics, 1991, 95, 6989-6992.	1.2	22
137	Selective Hydrogenation of Nitroaromatics by Colloidal Iridium Nanoparticles. Chemistry Letters, 2013, 42, 1023-1025.	0.7	22
138	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
139	NHC-Stabilized Au₁₀ Nanoclusters and Their Conversion to Au₂₅ Nanoclusters. Jacs Au, 2022, 2, 875-885.	3.6	22
140	Structural evolution in (CO2)n clusters (n<103) as studied by mass spectrometry. Chemical Physics Letters, 2002, 364, 127-132.	1.2	21
141	Subnanometer-sized Gold Clusters with Dual Molecular Receptors: Synthesis and Assembly in One-dimensional Arrangements. Chemistry Letters, 2005, 34, 1638-1639.	0.7	21
142	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
143	New Magic Au₂₄ Cluster Stabilized by PVP: Selective Formation, Atomic Structure, and Oxidation Catalysis. Jacs Au, 2021, 1, 660-668.	3.6	21
144	SOLVATION EFFECTS ON COLLISIONAL PROCESSES OF SIZE-SELECTED ${m{I}}_2^- ({m{CO}}_2)_n$ CLUSTER IONS WITH SILICON SURFACE. Surface Review and Letters, 1996, 03, 901-904.	0.5	20

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