

Tatsuya Tsukuda

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122
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269
ext. papers

17,291
ext. citations

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L-index

#	Paper	IF	Citations
238	Glutathione-protected gold clusters revisited: bridging the gap between gold(I)-thiolate complexes and thiolate-protected gold nanocrystals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5261-70	16.4	1336
237	Size-specific catalytic activity of polymer-stabilized gold nanoclusters for aerobic alcohol oxidation in water. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9374-5	16.4	764
236	Effect of electronic structures of Au clusters stabilized by poly(N-vinyl-2-pyrrolidone) on aerobic oxidation catalysis. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7086-93	16.4	556
235	Magic-numbered Au(n) clusters protected by glutathione monolayers (n = 18, 21, 25, 28, 32, 39): isolation and spectroscopic characterization. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6518-9	16.4	493
234	Nonscalable oxidation catalysis of gold clusters. <i>Accounts of Chemical Research</i> , 2014 , 47, 816-24	24.3	449
233	Large-scale synthesis of thiolated Au ₂₅ clusters via ligand exchange reactions of phosphine-stabilized Au ₁₁ clusters. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13464-5	16.4	375
232	Chirality and electronic structure of the thiolate-protected Au ₃₈ nanocluster. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8210-8	16.4	367
231	Ubiquitous 8 and 29 kDa gold:alkanethiolate cluster compounds: mass-spectrometric determination of molecular formulas and structural implications. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8608-10	16.4	352
230	Extremely high stability of glutathionate-protected Au ₂₅ clusters against core etching. <i>Small</i> , 2007 , 3, 835-9	11	344
229	Aerobic Oxidation of Cyclohexane Catalyzed by Size-Controlled Au Clusters on Hydroxyapatite: Size Effect in the Sub-2 nm Regime. <i>ACS Catalysis</i> , 2011 , 1, 2-6	13.1	338
228	Colloidal gold nanoparticles as catalyst for carbon-carbon bond formation: application to aerobic homocoupling of phenylboronic acid in water. <i>Langmuir</i> , 2004 , 20, 11293-6	4	328
227	Enhancement in Aerobic Alcohol Oxidation Catalysis of Au ₂₅ Clusters by Single Pd Atom Doping. <i>ACS Catalysis</i> , 2012 , 2, 1519-1523	13.1	312
226	Origin of magic stability of thiolated gold clusters: a case study on Au ₂₅ (SC ₆ H ₁₃) ₁₈ . <i>Journal of the American Chemical Society</i> , 2007 , 129, 11322-3	16.4	310
225	Biicosahedral Gold Clusters [Au ₂₅ (PPh ₃) ₁₀ (SC _n H _{2n+1}) ₅ Cl ₂] ₂ +(n= 218): A Stepping Stone to Cluster-Assembled Materials. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7845-7847	3.8	292
224	Ligand Exchange of Au ₂₅ SG ₁₈ Leading to Functionalized Gold Clusters: Spectroscopy, Kinetics, and Luminescence. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12168-12176	3.8	284
223	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, 1206-12	16.4	271
222	Stabilized gold clusters: from isolation toward controlled synthesis. <i>Nanoscale</i> , 2012 , 4, 4027-37	7.7	255

221	Synthesis of Normal and Inverted GoldSilver CoreShell Architectures in β -Cyclodextrin and Their Applications in SERS. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10806-10813	3.8	249
220	Efficient and selective epoxidation of styrene with TBHP catalyzed by Au(25) clusters on hydroxyapatite. <i>Chemical Communications</i> , 2010 , 46, 550-2	5.8	248
219	Nanoparticle imaging. Electron microscopy of gold nanoparticles at atomic resolution. <i>Science</i> , 2014 , 345, 909-12	33.3	234
218	Pd/C as a reusable catalyst for the coupling reaction of halophenols and arylboronic acids in aqueous media. <i>Journal of Organic Chemistry</i> , 2002 , 67, 2721-2	4.2	229
217	Toward an Atomic-Level Understanding of Size-Specific Properties of Protected and Stabilized Gold Clusters. <i>Bulletin of the Chemical Society of Japan</i> , 2012 , 85, 151-168	5.1	207
216	Synthesis and characterization of Au ₁₀₂ (p-MBA) ₄₄ nanoparticles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2976-82	16.4	192
215	Thermosensitive gold nanoclusters stabilized by well-defined vinyl ether star polymers: reusable and durable catalysts for aerobic alcohol oxidation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12060-1	16.4	192
214	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. <i>Nature Chemistry</i> , 2019 , 11, 419-425	17.6	185
213	Size effect on the catalysis of gold clusters dispersed in water for aerobic oxidation of alcohol. <i>Chemical Physics Letters</i> , 2006 , 429, 528-532	2.5	175
212	One-pot preparation of subnanometer-sized gold clusters via reduction and stabilization by meso-2,3-dimercaptosuccinic acid. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4046-7	16.4	164
211	Chiroptical activity of BINAP-stabilized undecagold clusters. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11611-4	3.4	161
210	Aerobic oxidations catalyzed by colloidal nanogold. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 736-48	4.5	155
209	Synthesis and the Origin of the Stability of Thiolate-Protected Au ₁₃₀ and Au ₁₈₇ Clusters. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1624-8	6.4	141
208	Binding motif of terminal alkynes on gold clusters. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9450-7	16.4	141
207	Organogold clusters protected by phenylacetylene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20123-5	16.4	140
206	Effect of Ag-Doping on the Catalytic Activity of Polymer-Stabilized Au Clusters in Aerobic Oxidation of Alcohol. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4885-4888	3.8	137
205	Thiolate-Mediated Selectivity Control in Aerobic Alcohol Oxidation by Porous Carbon-Supported Au ₂₅ Clusters. <i>ACS Catalysis</i> , 2014 , 4, 3696-3700	13.1	133
204	Chromatographic isolation of "missing" Au ₅₅ clusters protected by alkanethiolates. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6036-7	16.4	127

203	Preparation of ~1 nm Gold Clusters Confined within Mesoporous Silica and Microwave-Assisted Catalytic Application for Alcohol Oxidation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13457-13461	3.8	126
202	Microfluidic synthesis and catalytic application of PVP-stabilized, approximately 1 nm gold clusters. <i>Langmuir</i> , 2008 , 24, 11327-30	4	121
201	Hierarchy of bond stiffnesses within icosahedral-based gold clusters protected by thiolates. <i>Nature Communications</i> , 2016 , 7, 10414	17.4	118
200	X-ray magnetic circular dichroism of size-selected, thiolated gold clusters. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12034-5	16.4	117
199	Magic numbers of gold clusters stabilized by PVP. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18216-7	16.4	108
198	A new binding motif of sterically demanding thiolates on a gold cluster. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14295-7	16.4	105
197	Robust, Highly Luminescent Au Superatoms Protected by N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14997-15002	16.4	95
196	Photoelectron spectroscopy of (CO ₂) _n revisited: core switching in the 2 ? n ? 16 range. <i>Chemical Physics Letters</i> , 1997 , 268, 429-433	2.5	91
195	Kinetic stabilization of growing gold clusters by passivation with thiolates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12218-21	3.4	91
194	Oxidative homo-coupling of potassium aryltrifluoroborates catalyzed by gold nanocluster under aerobic conditions. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 368-374	2.3	89
193	Visible photoluminescence from nearly monodispersed Au ₁₂ clusters protected by meso-2,3-dimercaptosuccinic acid. <i>Chemical Physics Letters</i> , 2004 , 383, 161-165	2.5	88
192	Selective synthesis of organogold magic clusters Au ₅₄ (C ₆ Ph) ₂₆ . <i>Chemical Communications</i> , 2012 , 48, 6085-7	5.8	86
191	Highly selective ammonia synthesis from nitrate with photocatalytically generated hydrogen on CuPd/TiO ₂ . <i>Journal of the American Chemical Society</i> , 2011 , 133, 1150-2	16.4	84
190	Formation of Alkanethiolate-Protected Gold Clusters with Unprecedented Core Sizes in the Thiolation of Polymer-Stabilized Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4153-4158	3.8	81
189	Preferential Location of Coinage Metal Dopants (M = Ag or Cu) in [Au ₂₅ Mx(SC ₂ H ₄ Ph) ₁₈] ^x (~ 1) As Determined by Extended X-ray Absorption Fine Structure and Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25284-25290	3.8	80
188	Formation of a [email-protected] ₁₂ Superatomic Core in Au ₂₄ Pd ₁ (SC ₁₂ H ₂₅) ₁₈ Probed by ¹⁹⁷ Au Mössbauer and Pd K-Edge EXAFS Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3579-3583	6.4	80
187	Hydride Doping of Chemically Modified Gold-Based Superatoms. <i>Accounts of Chemical Research</i> , 2018 , 51, 3074-3083	24.3	77
186	Hydride-Doped Gold Superatom (AuH): Synthesis, Structure, and Transformation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8380-8383	16.4	74

185	Synthetic Application of PVP-stabilized Au Nanocluster Catalyst to Aerobic Oxidation of Alcohols in Aqueous Solution under Ambient Conditions. <i>Chemistry Letters</i> , 2007 , 36, 212-213	1.7	73
184	Dendrimer-Encapsulated Copper Cluster as a Chemoselective and Regenerable Hydrogenation Catalyst. <i>ACS Catalysis</i> , 2013 , 3, 182-185	13.1	69
183	Selenolate-Protected Au ₃₈ Nanoclusters: Isolation and Structural Characterization. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3181-3185	6.4	68
182	Size Determination of Gold Clusters by Polyacrylamide Gel Electrophoresis in a Large Cluster Region. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14076-14082	3.8	67
181	MALDI Mass Analysis of 11 kDa Gold Clusters Protected by Octadecanethiolate Ligands. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16004-16009	3.8	66
180	Surface plasmon resonance in gold ultrathin nanorods and nanowires. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8489-91	16.4	64
179	Amplification of the Optical Activity of Gold Clusters by the Proximity of BINAP. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4509-4513	6.4	59
178	Lewis Acid Character of Zero-valent Gold Nanoclusters under Aerobic Conditions: Intramolecular Hydroalkoxylation of Alkenes. <i>Chemistry Letters</i> , 2007 , 36, 646-647	1.7	58
177	Isolation and structural characterization of magic silver clusters protected by 4-(tert-butyl)benzyl mercaptan. <i>Chemical Communications</i> , 2011 , 47, 5693-5	5.8	57
176	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, 7027-30	16.4	56
175	Alkynyl-Protected Au(C ₂ CR) Clusters Featuring New Interfacial Motifs and R-Dependent Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6892-6896	6.4	53
174	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	16.4	53
173	Hydride-Mediated Controlled Growth of a Bimetallic (Pd@Au) Superatom to a Hydride-Doped (HPd@Au) Superatom. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12314-12317	16.4	51
172	Efficient and Selective Conversion of Phosphine-Protected (MAu) (M = Pd, Pt) Superatoms to Thiolate-Protected (MAu) or Alkynyl-Protected (MAu) Superatoms via Hydride Doping. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15994-16002	16.4	50
171	Synthesis and Catalytic Application of Ag ₄₄ Clusters Supported on Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27483-27488	3.8	49
170	Au ₂₅ Clusters Containing Unoxidized Tellurolates in the Ligand Shell. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2072-6	6.4	46
169	Au ₂₅ -Loaded BaLa ₄ Ti ₄ O ₁₅ 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	3.8	45
168	Luminescence properties of metallo-supramolecular coordination polymers assembled from pyridine ring functionalized ditopic bis-terpyridines and Ru(II) ion. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4555		45

167	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	16.4	44
166	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	4.3	41
165	A twisted bi-icosahedral Au(25) cluster enclosed by bulky arenethiolates. <i>Chemical Communications</i> , 2014 , 50, 839-41	5.8	40
164	Production of an ordered (B2) CuPd nanoalloy by low-temperature annealing under hydrogen atmosphere. <i>Dalton Transactions</i> , 2011 , 40, 4842-5	4.3	40
163	Suppressing Isomerization of Phosphine-Protected Au Cluster by Bond Stiffening Induced by a Single Pd Atom Substitution. <i>Inorganic Chemistry</i> , 2017 , 56, 8319-8325	5.1	39
162	Stoichiometric Formation of Open-Shell [PtAu(SCHPh)] via Spontaneous Electron Proportionation between [PtAu(SCHPh)] and [PtAu(SCHPh)]. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14048-14051	16.4	39
161	EXAFS study on interfacial structure between Pd cluster and n-octadecanethiolate monolayer: formation of mixed PdS interlayer. <i>Chemical Physics Letters</i> , 2003 , 376, 26-32	2.5	39
160	Fragmentation process of size-selected aluminum cluster anions in collision with a silicon surface. <i>Journal of Chemical Physics</i> , 1996 , 104, 1387-1393	3.9	39
159	Structure Determination of a Water-Soluble 144-Gold Atom Particle at Atomic Resolution by Aberration-Corrected Electron Microscopy. <i>ACS Nano</i> , 2017 , 11, 11866-11871	16.7	38
158	High-yield synthesis of PVP-stabilized small Pt clusters by microfluidic method. <i>Catalysis Today</i> , 2012 , 183, 101-107	5.3	37
157	Aerobic Oxygenation of Benzylic Ketones Promoted by a Gold Nanocluster Catalyst. <i>Synlett</i> , 2009 , 2009, 245-248	2.2	37
156	Negative-ion photoelectron spectroscopy of (CS ₂) _n coexistence of electronic isomers. <i>Chemical Physics Letters</i> , 1997 , 279, 179-184	2.5	36
155	Chemically modified gold superatoms and superatomic molecules. <i>Chemical Record</i> , 2014 , 14, 897-909	6.6	34
154	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	16.4	33
153	Ion Transport across Biological Membranes by Carborane-Capped Gold Nanoparticles. <i>ACS Nano</i> , 2017 , 11, 12492-12499	16.7	33
152	Controlled Synthesis of Carbon-Supported Gold Clusters for Rational Catalyst Design. <i>Chemical Record</i> , 2016 , 16, 2338-2348	6.6	33
151	Direct atomic imaging and density functional theory study of the Au ₂₄ Pd ₁ cluster catalyst. <i>Nanoscale</i> , 2013 , 5, 9620-5	7.7	32
150	Anion photoelectron spectroscopy of free [Au(SCH)]. <i>Nanoscale</i> , 2017 , 9, 13409-13412	7.7	32

149	Thiolate-induced structural reconstruction of gold clusters probed by ^{197}Au M $\ddot{\text{O}}$ ssbauer spectroscopy. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7230-1	16.4	32
148	Electronic isomers in $[(\text{CO})_n\text{ROH}]^+$ cluster anions. I. Photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1999 , 110, 7846-7857	3.9	32
147	Size Effect of Silica-supported Gold Clusters in the Microwave-assisted Oxidation of Benzyl Alcohol with H_2O_2 . <i>Chemistry Letters</i> , 2010 , 39, 159-161	1.7	31
146	Electronic isomers in $[(\text{CO})_n\text{ROH}]^+$ cluster anions. II. Ab initio calculations. <i>Journal of Chemical Physics</i> , 1999 , 111, 6333-6344	3.9	31
145	Toward Controlling the Electronic Structures of Chemically Modified Superatoms of Gold and Silver. <i>Small</i> , 2021 , 17, e2001439	11	31
144	Structures and Stabilities of Alkanethiolate Monolayers on Palladium Clusters As Studied by Gel Permeation Chromatography. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3496-3503	3.4	30
143	Size-Controlled Synthesis of Gold Clusters as Efficient Catalysts for Aerobic Oxidation. <i>Catalysis Surveys From Asia</i> , 2011 , 15, 230-239	2.8	29
142	Dynamic Behavior of Rh Species in Rh/AlO 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	16.4	29
141	Formation of $\text{Pd}_n(\text{SR})_m$ clusters (n). <i>Chemical Physics Letters</i> , 2002 , 366, 561-566	2.5	28
140	Collision Processes of Size-Selected Cluster Anions, $(\text{C}_6\text{F}_6)_n^-$ ($n = 1-5$), with a Silicon Surface. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 6367-6373		28
139	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 193-204	5.1	28
138	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	9.8	28
137	Size-Specific, Dissociative Activation of Carbon Dioxide by Cobalt Cluster Anions. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14209-14215	3.8	27
136	Partially oxidized iridium clusters within dendrimers: size-controlled synthesis and selective hydrogenation of 2-nitrobenzaldehyde. <i>Nanoscale</i> , 2016 , 8, 11371-4	7.7	27
135	Size and shape of nanoclusters: single-shot imaging approach. <i>Small</i> , 2012 , 8, 2361-4	11	26
134	Fluorescent Fe(II) metallo-supramolecular polymers: metal-ion-directed self-assembly of new bisterpyridines containing triethylene glycol chains. <i>Polymer Journal</i> , 2010 , 42, 336-341	2.7	26
133	Ab initio study of $(\text{CO})_n^+$ structures and stabilities of isomers. <i>Chemical Physics Letters</i> , 2001 , 340, 376-384	3.4	26
132	Ligand-protected gold/silver superatoms: current status and emerging trends. <i>Chemical Science</i> , 2020 , 11, 12233-12248	9.4	26

131	Enhanced magnetization in highly crystalline and atomically mixed bcc Fe-Co nanoalloys prepared by hydrogen reduction of oxide composites. <i>Nanoscale</i> , 2013 , 5, 1489-93	7.7	25
130	Platonic hexahedron composed of six organic faces with an inscribed Au cluster. <i>Journal of the American Chemical Society</i> , 2012 , 134, 816-9	16.4	25
129	Intracluster Anionic Polymerization Initiated by Electron Attachment onto Olefin Clusters (CH ₂ :CXCN)N (X = Cl, H, D, and CH ₃) and (CH ₂ :CHC ₆ H ₅)N. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9555-9564	16.4	25
128	Synthesis of Trimetallic (HPd@MAu) Superatoms (M = Ag, Cu) via Hydride-Mediated Regioselective Doping to (Pd@Au). <i>ACS Omega</i> , 2019 , 4, 7070-7075	3.9	24
127	Photoinduced Thermionic Emission from [M ₂₅ (SR) ₁₈] ⁻ (M = Au, Ag) Revealed by Anion Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 ,	3.8	24
126	Collision-Induced Dissociation of Undecagold Clusters Protected by Mixed Ligands [Au(PPh)X] (X = Cl, C ₆ H ₅). <i>ACS Omega</i> , 2018 , 3, 6237-6242	3.9	23
125	Reaction of Negatively-Charged Clusters of Carbon Dioxide with CH ₃ I: Formation of Novel Molecular Anion CH ₃ CO ₂ ⁻ . <i>Journal of Physical Chemistry A</i> , 1997 , 101, 5103-5110	2.8	23
124	Doping a Single Palladium Atom into Gold Superatoms Stabilized by PVP: Emergence of Hydrogenation Catalysis. <i>Topics in Catalysis</i> , 2018 , 61, 136-141	2.3	23
123	Prominent hydrogenation catalysis of a PVP-stabilized Au superatom provided by doping a single Rh atom. <i>Chemical Communications</i> , 2018 , 54, 5915-5918	5.8	23
122	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	6.4	22
121	Structure-constrained anionic polymerization in hydrogen-bonded acrylonitrile clusters. <i>Journal of Chemical Physics</i> , 1991 , 95, 6989-6992	3.9	22
120	Understanding Doping Effects on Electronic Structures of Gold Superatoms: A Case Study of Diphosphine-Protected M@Au (M = Au, Pt, Ir). <i>Inorganic Chemistry</i> , 2020 , 59, 17889-17895	5.1	21
119	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. <i>Radiation Physics and Chemistry</i> , 2020 , 175, 108270	2.5	21
118	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, 2544-7	7.7	20
117	Characterization of chemically modified gold and silver clusters in gas phase. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17463-17474	3.6	20
116	Hydrogen-induced structural transformation of AuCu nanoalloys probed by synchrotron X-ray diffraction techniques. <i>Nanoscale</i> , 2014 , 6, 4067-71	7.7	20
115	SOLVATION EFFECTS ON COLLISIONAL PROCESSES OF SIZE-SELECTED C_2^+ -(CO) ₂ _n CLUSTER IONS WITH SILICON SURFACE. <i>Surface Review and Letters</i> , 1996 , 03, 901-904	1.1	20
114	Rayleigh Instability and Surfactant-Mediated Stabilization of Ultrathin Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17006-17010	3.8	20

113	Structural evolution in (CO ₂) _n clusters (n. <i>Chemical Physics Letters</i> , 2002 , 364, 127-132	2.5	19
112	Subnanometer-sized Gold Clusters with Dual Molecular Receptors: Synthesis and Assembly in One-dimensional Arrangements. <i>Chemistry Letters</i> , 2005 , 34, 1638-1639	1.7	19
111	Controlled Dimerization and Bonding Scheme of Icosahedral M@Au (M=Pd, Pt) Superatoms. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 645-649	16.4	19
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	3.7	18
109	Superior Base Catalysis of Group 5 Hexametalates [M ₆ O ₁₉] ₈ (M = Ta, Nb) over Group 6 Hexametalates [M ₆ O ₁₉] ₂ (M = Mo, W). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29398-29404	3.8	18
108	Electron Binding in a Superatom with a Repulsive Coulomb Barrier: The Case of [Ag(SCHF)] in the Gas Phase. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3069-3074	6.4	17
107	Selective Hydrogenation of Nitroaromatics by Colloidal Iridium Nanoparticles. <i>Chemistry Letters</i> , 2013 , 42, 1023-1025	1.7	17
106	Electron localization in negatively charged formamide clusters studied by photodetachment spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 827-33	3.6	17
105	Gas-Phase Reaction of Hydrated CO ₂ ⁻ Anion Radical with CH ₃ I. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 8476-8483	2.8	17
104	Collision-Induced Dissociation of Acrylonitrile Cluster Ions: Geometrical Structure of Polymerized Cluster Anion. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 17354-17358		17
103	Anionic polymerization in the gas-phase cluster of 2-chloroacrylonitrile. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 5671-5673		16
102	Interconversions of Structural Isomers of [PdAu ₈ (PPh ₃) ₈] ²⁺ and [Au ₉ (PPh ₃) ₈] ³⁺ Revealed by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23123-23128	3.8	16
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