

Hannu Hkkinen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

20,511
citations

68
h-index

140
g-index

240
ext. papers

22,411
ext. citations

8.6
avg, IF

7.25
L-index

#	Paper	IF	Citations
226	Synthesis and Characterization of Enantiopure Chiral Bis NHC-Stabilized Edge-Shared Au Nanocluster with Unique Prolate Shape.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	8
225	NHC-Stabilized Au Nanoclusters and Their Conversion to Au Nanoclusters.. <i>Jacs Au</i> , 2022 , 2, 875-885		2
224	Atomically Precise Noble Metals in the Nanoscale, Stabilized by Ligands 2021 , 183-208		
223	Photo-Induced Cluster-to-Cluster Transformation of [AuAg(PPh)Cl] into [AuAg(PPh)Cl]: Fragmentation of a Trimer of 8-Electron Superatoms by Light. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10920-10926	6.4	3
222	Copper-hydride nanoclusters with enhanced stability by N-heterocyclic carbenes. <i>Nano Research</i> , 2021 , 14, 3303-3308	10	6
221	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	3.8	2
220	Ag (EBT) (TPP) Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9038-9044	16.4	10
219	Enhanced Surface Ligands Reactivity of Metal Clusters by Bulky Ligands for Controlling Optical and Chiral Properties. <i>Angewandte Chemie</i> , 2021 , 133, 13007-13013	3.6	0
218	Magnetically induced currents and aromaticity in ligand-stabilized Au and AuPt superatoms. <i>Nature Communications</i> , 2021 , 12, 2477	17.4	2
217	Enhanced Surface Ligands Reactivity of Metal Clusters by Bulky Ligands for Controlling Optical and Chiral Properties. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12897-12903	16.4	9
216	Prospects and challenges for computer simulations of monolayer-protected metal clusters. <i>Nature Communications</i> , 2021 , 12, 2197	17.4	3
215	Cubic aromaticity in ligand-stabilized doped Au superatoms. <i>Journal of Chemical Physics</i> , 2021 , 154, 204303	3.6	2
214	Gold Nanoclusters: Atomically Precise Gold Nanoclusters: Towards an Optimal Biocompatible System from a Theoretical/Experimental Strategy (Small 27/2021). <i>Small</i> , 2021 , 17, 2170140	11	0
213	A Homoleptic Alkynyl-Ligated [Au ₁₃ Ag ₁₆ L ₂₄] ₃ Cluster as a Catalytically Active Eight-Electron Superatom. <i>Angewandte Chemie</i> , 2021 , 133, 983-988	3.6	3
212	A Homoleptic Alkynyl-Ligated [Au Ag L] Cluster as a Catalytically Active Eight-Electron Superatom. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 970-975	16.4	15
211	Surface Coordination of Multiple Ligands Endows N-Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3752-3758	16.4	31
210	Surface Coordination of Multiple Ligands Endows N-Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie</i> , 2021 , 133, 3796-3802	3.6	5

209	Experimental Confirmation of a Topological Isomer of the Ubiquitous Au(SR) Cluster in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1273-1277	16.4	15
208	Atomically Precise Gold Nanoclusters: Towards an Optimal Biocompatible System from a Theoretical-Experimental Strategy. <i>Small</i> , 2021 , 17, e2005499	11	9
207	Atomically Precise Alkynyl- and Halide-Protected AuAg Nanoclusters AuAg(C≡CPh)Cl and AuAg(C≡CPh)Br: The Ligation Effects of Halides. <i>Inorganic Chemistry</i> , 2021 , 60, 3529-3533	5.1	4
206	Ag ₄₄ (EBT) ₂₆ (TPP) ₄ Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie</i> , 2021 , 133, 9120-9126	3.6	2
205	[PtCu(PET)Cl]: An Atomically Precise, 10-Electron PtCu Bimetal Nanocluster with a Direct Pt-Pt Bond. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12100-12107	16.4	5
204	Reversible isomerization of metal nanoclusters induced by intermolecular interaction. <i>Chem</i> , 2021 , 7, 2227-2244	16.2	9
203	Tertiary Chiral Nanostructures from C≡C≡C Directed Assembly of Chiroptical Superatoms. <i>Angewandte Chemie</i> , 2021 , 133, 22585-22590	3.6	0
202	Tertiary Chiral Nanostructures from C-H Directed Assembly of Chiroptical Superatoms. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22411-22416	16.4	7
201	Monte Carlo Simulations of Au(SCH) Nanocluster Using Distance-Based Machine Learning Methods. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 4827-4836	2.8	18
200	Solvent-mediated assembly of atom-precise gold-silver nanoclusters to semiconducting one-dimensional materials. <i>Nature Communications</i> , 2020 , 11, 2229	17.4	47
199	Binding Behavior of Carbonmonoxide to Gold Atoms on Ag(001). <i>Topics in Catalysis</i> , 2020 , 63, 1578-1584	2.3	3
198	A topological isomer of the Au(SR) nanocluster. <i>Chemical Communications</i> , 2020 , 56, 8087-8090	5.8	15
197	Synthesis and properties of an Au cluster supported by a mixed N-heterocyclic carbene-thiolate ligand. <i>Chemical Communications</i> , 2020 , 56, 6102-6105	5.8	7
196	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
195	Charge Transfer Plasmons in Dimeric Electron Clusters. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12645-12654	3.1	5
194	Dynamics of weak interactions in the ligand layer of -mercaptobenzoic acid protected gold nanoclusters Au(-MBA) and Au(-MBA). <i>Nanoscale</i> , 2020 , 12, 23859-23868	7.7	2
193	[Cu(PET)HCl](PPh): A Copper Hydride Nanocluster with a Bisquare Antiprismatic Core. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13974-13981	16.4	36
192	Towards Atomically Precise Supported Catalysts from Monolayer-Protected Clusters: The Critical Role of the Support. <i>Chemistry - A European Journal</i> , 2020 , 26, 7051-7058	4.8	13

191	Solubility-Driven Isolation of a Metastable Nonagold Cluster with Body-Centered Cubic Structure. <i>Chemistry - A European Journal</i> , 2020 , 26, 8465-8470	4.8	11
190	A method for structure prediction of metal-ligand interfaces of hybrid nanoparticles. <i>Nature Communications</i> , 2019 , 10, 3973	17.4	18
189	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
188	Ab initio molecular dynamics studies of Au ₃₈ (SR) ₂₄ isomers under heating. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	6
187	CdAg(SePh): Non-Noble Metal Doped Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8422-8425	16.4	47
186	Atomically Precise, Thiolated Copper-Hydride Nanoclusters as Single-Site Hydrogenation Catalysts for Ketones in Mild Conditions. <i>ACS Nano</i> , 2019 , 13, 5975-5986	16.7	75
185	Chiral Inversion of Thiolate-Protected Gold Nanoclusters via Core Reconstruction without Breaking a Au-S Bond. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6006-6012	16.4	49
184	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. <i>Nature Chemistry</i> , 2019 , 11, 419-425	17.6	185
183	Role of Nanocrystal Symmetry in the Crossover Region from Molecular to Metallic Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20655-20663	3.8	9
182	Combinatorial Identification of Hydrides in a Ligated Ag Nanocluster with Noncompact Metal Core. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11905-11911	16.4	41
181	Chiral footprint of the ligand layer in the all-alkynyl-protected gold nanocluster Au(CCPhF). <i>Chemical Communications</i> , 2019 , 55, 9460-9462	5.8	5
180	Highly Robust but Surface-Active: An N-Heterocyclic Carbene-Stabilized Au Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17731-17735	16.4	75
179	Highly Robust but Surface-Active: An N-Heterocyclic Carbene-Stabilized Au ₂₅ Nanocluster. <i>Angewandte Chemie</i> , 2019 , 131, 17895-17899	3.6	25
178	Computational Study of Adsorption of CO ₂ , SO ₂ , and H ₂ CO on Free-Standing and Molybdenum-Supported CaO Films. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7758-7765	3.8	3
177	Towards Controlled Synthesis of Water-Soluble Gold Nanoclusters: Synthesis and Analysis. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2602-2612	3.8	21
176	Connections Between Theory and Experiment for Gold and Silver Nanoclusters. <i>Annual Review of Physical Chemistry</i> , 2018 , 69, 205-229	15.7	60
175	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie</i> , 2018 , 130, 6632-6636	3.6	6
174	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6522-6526	16.4	37

173	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au Cu Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3421-3425	16.4	66
172	Ligand mediated evolution of size dependent magnetism in cobalt nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4563-4570	3.6	6
171	Role of Donor and Acceptor Substituents on the Nonlinear Optical Properties of Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4019-4028	3.8	12
170	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au ₁₃ Cu ₂ Nanoclusters. <i>Angewandte Chemie</i> , 2018 , 130, 3479-3483	3.6	19
169	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. <i>National Science Review</i> , 2018 , 5, 694-702	10.8	42
168	Real-space imaging with pattern recognition of a ligand-protected Ag nanocluster at sub-molecular resolution. <i>Nature Communications</i> , 2018 , 9, 2948	17.4	16
167	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. <i>Nature Communications</i> , 2018 , 9, 3357	17.4	69
166	AuS(PPh): an intermediate sized metalloid gold cluster stabilized by the AuS ring motif and Au-PPh groups. <i>Chemical Communications</i> , 2018 , 54, 248-251	5.8	37
165	Point Group Symmetry Analysis of the Electronic Structure of Bare and Protected Metal Nanocrystals. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8576-8584	2.8	13
164	Stability, electronic structure, and optical properties of protected gold-doped silver AgAu (x = 0-5) nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13868-13874	3.6	33
163	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6473-6477	16.4	28
162	Embryonic Growth of Face-Center-Cubic Silver Nanoclusters Shaped in Nearly Perfect Half-Cubes and Cubes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 31-34	16.4	78
161	Patterning of supported gold monolayers via chemical lift-off lithography. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 2648-2661	3	15
160	Bulky Surface Ligands Promote Surface Reactivities of [AgX(S-Adm)] (X = Cl, Br, I) Nanoclusters: Models for Multiple-Twinned Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13288-13291	16.4	97
159	Preface to the Special Issue ISPIC XVIII: International Symposium on Small Particles and Inorganic Clusters 2016. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10629-10631	3.8	
158	Exploring Strategies for Labeling Viruses with Gold Nanoclusters through Non-equilibrium Molecular Dynamics Simulations. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2327-2339	6.3	6
157	Structure and dynamics of CaO films: A computational study of an effect of external static electric field. <i>Physical Review B</i> , 2017 , 95,	3.3	2
156	Structural characterization of site-modified nanocapsid with monodispersed gold clusters. <i>Scientific Reports</i> , 2017 , 7, 17048	4.9	9

155	Analysis of Localized Surface Plasmon Resonances in Spherical Jellium Clusters and Their Assemblies. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27036-27052	3.8	9
154	Dynamic Stabilization of the Ligand-Metal Interface in Atomically Precise Gold Nanoclusters Au and Au Protected by meta-Mercaptobenzoic Acid. <i>ACS Nano</i> , 2017 , 11, 11872-11879	16.7	29
153	Exploring the atomic structure of 1.8nm monolayer-protected gold clusters with aberration-corrected STEM. <i>Ultramicroscopy</i> , 2017 , 176, 146-150	3.1	8
152	Analysis of the Electronic Structure of Non-Spherical Ligand-Protected Metal Nanoclusters: The Case of a Box-Like Ag ₆₇ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10698-10705	3.8	10
151	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. <i>Angewandte Chemie</i> , 2017 , 129, 6573-6577	3.6	11
150	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16035-16038	16.4	64
149	Asymmetric Synthesis of Chiral Bimetallic [AgCu(SR)] Nanoclusters via Ion Pairing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12751-12754	16.4	154
148	Covalently linked multimers of gold nanoclusters Au(p-MBA) and Au(p-MBA). <i>Nanoscale</i> , 2016 , 8, 18665-18674	16.4	48
147	[Ag(SPhMe)(PPh)]: Synthesis, Total Structure, and Optical Properties of a Large Box-Shaped Silver Nanocluster. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14727-14732	16.4	138
146	Electronic shell structures in bare and protected metal nanoclusters. <i>Advances in Physics: X</i> , 2016 , 1, 467-491	3.1	29
145	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016 , 7, 12809	17.4	191
144	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au ₇ Ag ₈ (C≡CtBu) ₁₂] ⁺ . <i>Angewandte Chemie</i> , 2016 , 128, 15376-15380	3.6	9
143	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au Ag (C≡C Bu)]. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15152-15156	16.4	47
142	Conformation and dynamics of the ligand shell of a water-soluble Au ₁₀₂ nanoparticle. <i>Nature Communications</i> , 2016 , 7, 10401	17.4	77
141	A Unified AMBER-Compatible Molecular Mechanics Force Field for Thiolate-Protected Gold Nanoclusters. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 1342-50	6.4	45
140	Atomically Precise Alkynyl-Protected Metal Nanoclusters as a Model Catalyst: Observation of Promoting Effect of Surface Ligands on Catalysis by Metal Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3278-81	16.4	246
139	Gold assisted oxygen dissociation on a molybdenum-doped CaO(001) surface. <i>Catalysis Science and Technology</i> , 2016 , 6, 6784-6793	5.5	3
138	Template-Free Supracolloidal Self-Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. <i>Angewandte Chemie</i> , 2016 , 128, 16269-16272	3.6	16

137	Surface Chemistry Controls Magnetism in Cobalt Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20822-20827	3.8	9
136	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016 , 8, 12123-7	7.7	27
135	AcidBase Properties and Surface Charge Distribution of the Water-Soluble Au ₁₀₂ (pMBA) ₄₄ Nanocluster. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10041-10050	3.8	36
134	Jahn-Teller effects in Au(SR). <i>Chemical Science</i> , 2016 , 7, 1882-1890	9.4	115
133	Gold/Isophorone Interaction Driven by Keto/Enol Tautomerization. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21962-21966	3.8	4
132	The Role of the Anchor Atom in the Ligand of the Monolayer-Protected Au ₂₅ (XR) ₁₈ Nanocluster. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9587-9594	3.8	26
131	Impacts of Copper Position on the Electronic Structure of [Au _{25-x} Cu _x (SH) ₁₈] Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8290-8298	3.8	24
130	Molecule-like photodynamics of Au ₁₀₂ (pMBA) ₄₄ nanocluster. <i>ACS Nano</i> , 2015 , 9, 2328-35	16.7	61
129	An intermetallic Au ₂₄ Ag ₂₀ superatom nanocluster stabilized by labile ligands. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4324-7	16.4	148
128	Pd ₂ Au ₃₆ (SR) ₂₄ cluster: structure studies. <i>Nanoscale</i> , 2015 , 7, 17012-9	7.7	37
127	Dynamic Diglyme-Mediated Self-Assembly of Gold Nanoclusters. <i>ACS Nano</i> , 2015 , 9, 11690-8	16.7	28
126	Hydrophobic pocket targeting probes for enteroviruses. <i>Nanoscale</i> , 2015 , 7, 17457-67	7.7	24
125	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters: A Theoretical Survey of the First Hyperpolarizabilities. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27676-27682	3.8	28
124	Photodynamics of a Molecular Water-Soluble Nanocluster Identified as Au ₁₃₀ (pMBA) ₅₀ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20224-20229	3.8	17
123	Total Structure and Electronic Structure Analysis of Doped Thiolated Silver [MAg ₂₄ (SR) ₁₈](²⁻) (M = Pd, Pt) Clusters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11880-3	16.4	186
122	Solid state halogen bonded networks vs. dynamic assemblies in solution: explaining N ⁺ X interactions of multivalent building blocks. <i>CrystEngComm</i> , 2015 , 17, 8231-8241	3.3	6
121	How many gold atoms make gold metal?. <i>Europhysics News</i> , 2015 , 46, 23-26	0.2	7
120	Carbon dioxide activation and reaction induced by electron transfer at an oxide-metal interface. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12484-7	16.4	71

119	Electronic Structure: Shell Structure and the Superatom Concept. <i>Frontiers of Nanoscience</i> , 2015 , 9, 189-222	9
118	Theoretical Analysis of the M ₁₂ Ag ₃₂ (SR) ₄₀₄ and ₁₂ Ag ₃₂ (SR) ₃₀₄ Nanoclusters (M = Au, Ag; X = H, Mn). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10943-10948	3.8 17
117	Copper Induces a Core Plasmon in Intermetallic Au _(144,145) -xCu _x (SR) ₆₀ Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 515-20	6.4 26
116	Silver Sulfide Nanoclusters and the Superatom Model. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1583-1590	3.8 8
115	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
114	Supramolecular functionalization and concomitant enhancement in properties of Au ₍₂₅₎ clusters. <i>ACS Nano</i> , 2014 , 8, 139-52	16.7 81
113	Site-specific targeting of enterovirus capsid by functionalized monodisperse gold nanoclusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1277-81	11.5 79
112	Mixed-Monolayer-Protected Au ₂₅ Clusters with Bulky Calix[4]arene Functionalities. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 585-9	6.4 29
111	Vibrational Perturbations and Ligand-Layer Coupling in a Single Crystal of Au ₁₄₄ (SC ₂ H ₄ Ph) ₆₀ Nanocluster. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 387-92	6.4 32
110	Optical and electronic properties of graphene nanoribbons upon adsorption of ligand-protected aluminum clusters. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3558-65	3.6 19
109	Solvation chemistry of water-soluble thiol-protected gold nanocluster Au ₁₄₄ from DOSY NMR spectroscopy and DFT calculations. <i>Nanoscale</i> , 2014 , 6, 7823-6	7.7 22
108	Ultrafast Electronic Relaxation and Vibrational Cooling Dynamics of Au ₁₄₄ (SC ₂ H ₄ Ph) ₆₀ Nanocluster Probed by Transient Mid-IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18233-18239	3.8 46
107	Structural evolution of atomically precise thiolated bimetallic [Au _(12+n) Cu _{(SR)_(30+n)]₂ (n = 0, 2, 4, 6) nanoclusters. <i>Journal of the American Chemical Society</i>, 2014, 136, 7197-200}	16.4 128
106	Cationic Au Nanoparticle Binding with Plasma Membrane-like Lipid Bilayers: Potential Mechanism for Spontaneous Permeation to Cells Revealed by Atomistic Simulations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11131-11141	3.8 60
105	Nanoparticle imaging. Electron microscopy of gold nanoparticles at atomic resolution. <i>Science</i> , 2014 , 345, 909-12	33.3 234
104	Polymorphic and solvate structures of ethyl ester and carboxylic acid derivatives of WIN 61893 analogue and their stability in solution. <i>CrystEngComm</i> , 2014 , 16, 9001-9009	3.3 3
103	Chiral phase transfer and enantioenrichment of thiolate-protected Au ₁₄₄ clusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4129-32	16.4 99
102	A DFT Study of Linear Gold-Thiolate Superclusters Absorbing in the Therapeutic NIR Window. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1329-34	6.4 21

101	Single crystal XRD structure and theoretical analysis of the chiral Au ₃₀ S(S-t-Bu) ₁₈ cluster. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5000-5	16.4	241
100	TDDFT Analysis of Optical Properties of Thiol Monolayer-Protected Gold and Intermetallic Silver-Gold Au ₁₄₄ (SR) ₆₀ and Au ₈₄ Ag ₆₀ (SR) ₆₀ Clusters. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20002-20008 ³³	2.8	24
99	Superatomic S(2) silver clusters stabilized by a thiolate-phosphine monolayer: insight into electronic and optical properties of Ag ₁₄ (SC ₆ H ₃ F ₂) ₁₂ (PPh ₃) ₈ and Ag ₁₆ (SC ₆ H ₃ F ₂) ₁₄ (DPPE) ₄ . <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8351-5	2.8	29
98	Electronic structure and optical properties of the intrinsically chiral 16-electron superatom complex [Au ₂₀ (PP ₃) ₄](4+). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 4214-21	16.4	21
97	Protected but accessible: oxygen activation by a calixarene-stabilized undecagold cluster. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12944-7	17.4	584
96	All-thiol-stabilized Ag ₄₄ and Au ₁₂ Ag ₃₂ nanoparticles with single-crystal structures. <i>Nature Communications</i> , 2013 , 4, 2422	2.8	53
95	Electronic structure and optical properties of the thiolate-protected Au ₂₈ (SMe) ₂₀ cluster. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 10526-33	16.7	202
94	Birth of the localized surface plasmon resonance in monolayer-protected gold nanoclusters. <i>ACS Nano</i> , 2013 , 7, 10263-70	6.4	68
93	Ag ₄₄ (SeR) ₃₀ : A Hollow Cage Silver Cluster with Selenolate Protection. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3351-5	1.3	23
92	Modeling thiolate-protected gold clusters with density-functional tight-binding. <i>European Physical Journal D</i> , 2013 , 67, 1	3.6	5
91	The Redox Chemistry of Gold with High-Valence Doped Calcium Oxide. <i>Angewandte Chemie</i> , 2013 , 125, 1464-1467	16.4	32
90	The redox chemistry of gold with high-valence doped calcium oxide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1424-7	7.8	50
89	Nondestructive size determination of thiol-stabilized gold nanoclusters in solution by diffusion ordered NMR spectroscopy. <i>Analytical Chemistry</i> , 2013 , 85, 3489-92	16.4	136
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