

# Hannu HÄÄkkinen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6491009/publications.pdf>

Version: 2024-02-01

230  
papers

24,207  
citations

10986

71  
h-index

7518

151  
g-index

240  
all docs

240  
docs citations

240  
times ranked

13748  
citing authors

#	ARTICLE	IF	CITATIONS
1	A unified view of ligand-protected gold clusters as superatom complexes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9157-9162.	7.1	1,472
2	The gold-sulfur interface at the nanoscale. Nature Chemistry, 2012, 4, 443-455.	13.6	1,418
3	Charging Effects on Bonding and Catalyzed Oxidation of CO on Au <sub>8</sub> Clusters on MgO. Science, 2005, 307, 403-407.	12.6	1,358
4	On the Structure of Thiolate-Protected Au <sub>25</sub> . Journal of the American Chemical Society, 2008, 130, 3756-3757.	13.7	682
5	All-thiol-stabilized Ag <sub>44</sub> and Au <sub>12</sub> Ag <sub>32</sub> nanoparticles with single-crystal structures. Nature Communications, 2013, 4, 2422.	12.8	675
6	Self-Passivating Edge Reconstructions of Graphene. Physical Review Letters, 2008, 101, 115502.	7.8	674
7	Atomic and electronic structure of gold clusters: understanding flakes, cages and superatoms from simple concepts. Chemical Society Reviews, 2008, 37, 1847.	38.1	639
8	Bonding in Cu, Ag, and Au Clusters: Relativistic Effects, Trends, and Surprises. Physical Review Letters, 2002, 89, 033401.	7.8	611
9	On the Electronic and Atomic Structures of Small Au <sub>N</sub> - (N = 4~14) Clusters: A Photoelectron Spectroscopy and Density-Functional Study. Journal of Physical Chemistry A, 2003, 107, 6168-6175.	2.5	598
10	Structural, Electronic, and Impurity-Doping Effects in Nanoscale Chemistry: Supported Gold Nanoclusters. Angewandte Chemie - International Edition, 2003, 42, 1297-1300.	13.8	547
11	Gold clusters(Au <sub>N</sub> , 2<N<-10)and their anions. Physical Review B, 2000, 62, R2287-R2290.	3.2	454
12	Divide and Protect: Capping Gold Nanoclusters with Molecular Gold-Thiolate Rings. Journal of Physical Chemistry B, 2006, 110, 9927-9931.	2.6	405
13	Chirality and Electronic Structure of the Thiolate-Protected Au <sub>38</sub> Nanocluster. Journal of the American Chemical Society, 2010, 132, 8210-8218.	13.7	401
14	Structure and Bonding in the Ubiquitous Icosahedral Metallic Gold Cluster Au <sub>144</sub> (SR) <sub>60</sub> . Journal of Physical Chemistry C, 2009, 113, 5035-5038.	3.1	393
15	Catalytic CO Oxidation by Free Au <sub>2</sub> : Experiment and Theory. Journal of the American Chemical Society, 2003, 125, 10437-10445.	13.7	386
16	Interaction of O <sub>2</sub> with Gold Clusters: Molecular and Dissociative Adsorption. Journal of Physical Chemistry A, 2003, 107, 4066-4071.	2.5	349
17	N-heterocyclic carbene-functionalized magic-number gold nanoclusters. Nature Chemistry, 2019, 11, 419-425.	13.6	333
18	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.	13.7	322

#	ARTICLE	IF	CITATIONS
19	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, 3278-3281.	13.7	297
20	Quantum size effects in ambient CO oxidation catalysed by ligand-protected gold clusters. <i>Nature Chemistry</i> , 2010, 2, 329-334.	13.6	295
21	Photoelectron spectra of aluminum cluster anions: Temperature effects and ab initio simulations. <i>Physical Review B</i> , 1999, 60, R11297-R11300.	3.2	289
22	Evidence for graphene edges beyond zigzag and armchair. <i>Physical Review B</i> , 2009, 80, .	3.2	274
23	Single Crystal XRD Structure and Theoretical Analysis of the Chiral Au <sub>30</sub> S(S- <i>i</i> -t-Bu) <sub>18</sub> Cluster. <i>Journal of the American Chemical Society</i> , 2014, 136, 5000-5005.	13.7	270
24	Electron microscopy of gold nanoparticles at atomic resolution. <i>Science</i> , 2014, 345, 909-912.	12.6	269
25	Symmetry and Electronic Structure of Noble-Metal Nanoparticles and the Role of Relativity. <i>Physical Review Letters</i> , 2004, 93, 093401.	7.8	241
26	Birth of the Localized Surface Plasmon Resonance in Monolayer-Protected Gold Nanoclusters. <i>ACS Nano</i> , 2013, 7, 10263-10270.	14.6	240
27	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016, 7, 12809.	12.8	235
28	Gas-Phase Catalytic Oxidation of CO by Au <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2001, 123, 9704-9705.	13.7	230
29	Total Structure and Electronic Structure Analysis of Doped Thiolated Silver [MAg <sub>24</sub> (SR) <sub>18</sub> ] <sup>2+</sup> (M = Pd, Pt) Clusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 11880-11883.	13.7	221
30	Structural and Theoretical Basis for Ligand Exchange on Thiolate Monolayer Protected Gold Nanoclusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 13316-13322.	13.7	199
31	Size-Dependent Structural Evolution and Chemical Reactivity of Gold Clusters. <i>ChemPhysChem</i> , 2007, 8, 157-161.	2.1	197
32	Asymmetric Synthesis of Chiral Bimetallic [Ag <sub>28</sub> Cu <sub>12</sub> (SR) <sub>24</sub> ] <sup>4+</sup> Nanoclusters via Ion Pairing. <i>Journal of the American Chemical Society</i> , 2016, 138, 12751-12754.	13.7	196
33	Time-dependent density-functional theory in the projector augmented-wave method. <i>Journal of Chemical Physics</i> , 2008, 128, 244101.	3.0	187
34	Robust, Highly Luminescent Au <sub>13</sub> Superatoms Protected by N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14997-15002.	13.7	185
35	Structural, chemical, and dynamical trends in graphene grain boundaries. <i>Physical Review B</i> , 2010, 81, .	3.2	184
36	An Intermetallic Au <sub>24</sub> Ag <sub>20</sub> Superatom Nanocluster Stabilized by Labile Ligands. <i>Journal of the American Chemical Society</i> , 2015, 137, 4324-4327.	13.7	175

#	ARTICLE	IF	CITATIONS
37	[Ag <sub>67</sub> (SPhMe <sub>2</sub> ) <sub>32</sub> (PPh <sub>3</sub> ) <sub>8</sub> ] <sup>3+</sup> : Synthesis, Total Structure, and Optical Properties of a Large Box-Shaped Silver Nanocluster. Journal of the American Chemical Society, 2016, 138, 14727-14732.	13.7	167
38	Ligand-Stabilized Au <sub>13</sub> Cu <sub>x</sub> (x = 2, 4, 8) Bimetallic Nanoclusters: Ligand Engineering to Control the Exposure of Metal Sites. Journal of the American Chemical Society, 2013, 135, 9568-9571.	13.7	162
39	Jahn–Teller effects in Au <sub>25</sub> (SR) <sub>18</sub> . Chemical Science, 2016, 7, 1882-1890.	7.4	149
40	Structural Evolution of Atomically Precise Thiolated Bimetallic [Au <sub>12+n</sub> Cu <sub>32</sub> (SR) <sub>30+n</sub> ] <sup>4-</sup> (n = 0, 1, 2, 3, 4) Nanoclusters. Journal of the American Chemical Society, 2017, 139, 13288-13291.	13.7	148
41	Atomically Precise, Thiolated Copper–Hydride Nanoclusters as Single-Site Hydrogenation Catalysts for Ketones in Mild Conditions. ACS Nano, 2019, 13, 5975-5986.	14.6	138
42	Gold Nanowires and Their Chemical Modifications. Journal of Physical Chemistry B, 1999, 103, 8814-8816.	2.6	135
43	Gold–Thiolate Complexes Form a Unique (4 × 2) Structure on Au(111). Journal of Physical Chemistry C, 2008, 112, 15940-15942.	3.1	125
44	Chiral Phase Transfer and Enantioenrichment of Thiolate-Protected Au <sub>102</sub> Clusters. Journal of the American Chemical Society, 2014, 136, 4129-4132.	13.7	125
45	Highly Robust but Surface–Active: An N-Heterocyclic Carbene–Stabilized Au <sub>25</sub> Nanocluster. Angewandte Chemie - International Edition, 2019, 58, 17731-17735.	13.8	125
46	Bulky Surface Ligands Promote Surface Reactivities of [Ag <sub>141</sub> X <sub>12</sub> (S-Adm) <sub>40</sub> ] <sup>3+</sup> (X = Cl, Br, I) Nanoclusters: Models for Multiple-Twinned Nanoparticles. Journal of the American Chemical Society, 2017, 139, 13288-13291.	13.7	124
47	Theoretical Characterization of Cyclic Thiolated Gold Clusters. Journal of the American Chemical Society, 2006, 128, 10268-10275.	13.7	118
48	Embryonic Growth of Face-Center-Cubic Silver Nanoclusters Shaped in Nearly Perfect Half-Cubes and Cubes. Journal of the American Chemical Society, 2017, 139, 31-34.	13.7	113
49	Au <sub>40</sub> (SR) <sub>24</sub> Cluster as a Chiral Dimer of 8-Electron Superatoms: Structure and Optical Properties. Journal of the American Chemical Society, 2012, 134, 19560-19563.	13.7	112
50	Aluminum cluster anions: Photoelectron spectroscopy and ab initio simulations. Physical Review B, 2000, 62, 13216-13228.	3.2	111
51	Thiolate-Protected Au <sub>25</sub> Superatoms as Building Blocks: Dimers and Crystals. Journal of Physical Chemistry C, 2010, 114, 15986-15994.	3.1	109
52	Effects of Silver Doping on the Geometric and Electronic Structure and Optical Absorption Spectra of the Au <sub>25</sub> Ag <sub>x</sub> (SH) <sub>18</sub> (x = 1, 2, 3, 4) Nanoclusters. Journal of the American Chemical Society, 2017, 139, 13288-13291.	13.7	108
53	Nanowire Gold Chains: Formation Mechanisms and Conductance. Journal of Physical Chemistry B, 2000, 104, 9063-9066.	2.6	106
54	A density functional investigation of thiolate-protected bimetal PdAu <sub>24</sub> (SR) <sub>18</sub> z clusters: doping the superatom complex. Physical Chemistry Chemical Physics, 2009, 11, 7123.	2.8	100

#	ARTICLE	IF	CITATIONS
55	A hollow tetrahedral cage of hexadecagold dianion provides a robust backbone for a tuneable sub-nanometer oxidation and reduction agent via endohedral doping. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5407-5411.	2.8	98
56	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, 1277-1281.	7.1	95
57	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. <i>Nature Communications</i> , 2018, 9, 3357.	12.8	95
58	Atomistic Simulations of Functional Au <sub>144</sub> (SR) <sub>60</sub> Gold Nanoparticles in Aqueous Environment. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9805-9815.	3.1	94
59	Supramolecular Functionalization and Concomitant Enhancement in Properties of Au <sub>25</sub> Clusters. <i>ACS Nano</i> , 2014, 8, 139-152.	14.6	94
60	Gold in graphene: In-plane adsorption and diffusion. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	93
61	Conformation and dynamics of the ligand shell of a water-soluble Au <sub>102</sub> nanoparticle. <i>Nature Communications</i> , 2016, 7, 10401.	12.8	91
62	Solvent-mediated assembly of atom-precise gold-silver nanoclusters to semiconducting one-dimensional materials. <i>Nature Communications</i> , 2020, 11, 2229.	12.8	91
63	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au <sub>13</sub> Cu <sub>2</sub> Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3421-3425.	13.8	88
64	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.	13.8	86
65	Electronic and Vibrational Signatures of the Au <sub>102</sub> (p-MBA) <sub>44</sub> Cluster. <i>Journal of the American Chemical Society</i> , 2011, 133, 3752-3755.	13.7	80
66	Carbon Dioxide Activation and Reaction Induced by Electron Transfer at an Oxide-Metal Interface. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12484-12487.	13.8	80
67	Connections Between Theory and Experiment for Gold and Silver Nanoclusters. <i>Annual Review of Physical Chemistry</i> , 2018, 69, 205-229.	10.8	80
68	Ag <sub>44</sub> (SeR) <sub>30</sub> : A Hollow Cage Silver Cluster with Selenolate Protection. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3351-3355.	4.6	78
69	A Unified AMBER-Compatible Molecular Mechanics Force Field for Thiolate-Protected Gold Nanoclusters. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 1342-1350.	5.3	76
70	Au Adsorption on Regular and Defected Thin MgO(100) Films Supported by Mo. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4319-4327.	3.1	74
71	Charging of atoms, clusters, and molecules on metal-supported oxides: A general and long-ranged phenomenon. <i>Physical Review B</i> , 2008, 78, .	3.2	74
72	N-Heterocyclic Carbene-Stabilized Hydrido Au <sub>24</sub> Nanoclusters: Synthesis, Structure, and Electrocatalytic Reduction of CO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2022, 144, 9000-9006.	13.7	74

#	ARTICLE	IF	CITATIONS
73	Polymerization at the Alkylthiolate-Au(111) Interface. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3325-3327.	2.6	73
74	[Cu <sub>32</sub> (PET) <sub>24</sub> H <sub>8</sub> Cl <sub>2</sub> ](PPh <sub>4</sub> ) <sub>2</sub> : A Copper Hydride Nanocluster with a Bisquare Antiprismatic Core. <i>Journal of the American Chemical Society</i> , 2020, 142, 13974-13981.	13.7	73
75	Combinatorial Identification of Hydrides in a Ligated Ag <sub>40</sub> Nanocluster with Noncompact Metal Core. <i>Journal of the American Chemical Society</i> , 2019, 141, 11905-11911.	13.7	72
76	Electronic Structure and Bonding of Icosahedral Core-Shell Gold-Silver Nanocluster Au <sub>144</sub> Ag <sub>60</sub> (SR) <sub>60</sub> . <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2316-2321.	4.6	71
77	Cd <sub>12</sub> Ag <sub>32</sub> (SePh) <sub>36</sub> : Non-Noble Metal Doped Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 8422-8425.	13.7	71
78	Surface Coordination of Multiple Ligands Endows Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3752-3758.	13.8	71
79	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.	3.1	69
80	Trapping of 27 bp-8 kbp DNA and immobilization of thiol-modified DNA using dielectrophoresis. <i>Nanotechnology</i> , 2007, 18, 295204.	2.6	68
81	Characterizing low-coordinated atoms at the periphery of MgO-supported Au islands using scanning tunneling microscopy and electronic structure calculations. <i>Physical Review B</i> , 2010, 81, .	3.2	67
82	Hydrogen Welding and Hydrogen Switches in a Monatomic Gold Nanowire. <i>Nano Letters</i> , 2004, 4, 1845-1852.	9.1	66
83	Molecule-like Photodynamics of Au <sub>102</sub> (p-MBA) <sub>44</sub> Nanocluster. <i>ACS Nano</i> , 2015, 9, 2328-2335.	14.6	66
84	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.	13.7	66
85	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. <i>National Science Review</i> , 2018, 5, 694-702.	9.5	63
86	Liquid-Liquid Phase Coexistence in Gold Clusters: 2D or Not 2D?. <i>Physical Review Letters</i> , 2007, 98, 015701.	7.8	62
87	Experimental and Density Functional Theory Analysis of Serial Introductions of Electron-Withdrawing Ligands into the Ligand Shell of a Thiolate-Protected Au <sub>25</sub> Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8276-8281.	3.1	61
88	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au <sub>7</sub> Ag <sub>8</sub> (C <sub>60</sub> H <sub>12</sub> ) <sub>12</sub> ] <sup>+</sup> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15152-15156.	13.8	60
89	Covalently linked multimers of gold nanoclusters Au <sub>102</sub> (p-MBA) <sub>44</sub> and Au <sub>4250</sub> (p-MBA) <sub>n</sub> . <i>Nanoscale</i> , 2016, 8, 18665-18674.	5.6	59
90	Nondestructive Size Determination of Thiol-Stabilized Gold Nanoclusters in Solution by Diffusion Ordered NMR Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 3489-3492.	6.5	57

#	ARTICLE	IF	CITATIONS
91	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6522-6526.	13.8	57
92	Electronic Structure and Optical Properties of the Thiolate-Protected Au <sub>28</sub> (SMe) <sub>20</sub> Cluster. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10526-10533.	2.5	56
93	Oxidation of magnesia-supported Pd-clusters leads to the ultimate limit of epitaxy with a catalytic function. <i>Nature Materials</i> , 2006, 5, 44-47.	27.5	55
94	Adsorption of gold clusters on metal-supported MgO: Correlation to electron affinity of gold. <i>Physical Review B</i> , 2007, 76, .	3.2	53
95	Einfluss der geometrischen und elektronischen Struktur sowie der elementaren Zusammensetzung von Clustern auf chemische Prozesse in der Nanometerskala. <i>Angewandte Chemie</i> , 2003, 115, 1335-1338.	2.0	52
96	Theoretical Characterization of Cyclic Thiolated Copper, Silver, and Gold Clusters. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13571-13576.	3.1	51
97	N-Heterocyclic Carbene-Stabilized Gold Nanoclusters with Organometallic Motifs for Promoting Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 10844-10853.	13.7	51
98	Electronic Structure of MgO-Supported Au Clusters: Quantum Dots Probed by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2007, 99, 096102.	7.8	49
99	Ultrafast Electronic Relaxation and Vibrational Cooling Dynamics of Au <sub>144</sub> (SC <sub>2</sub> H <sub>4</sub> Ph) <sub>60</sub> Nanocluster Probed by Transient Mid-IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18233-18239.	3.1	49
100	Experimental and Theoretical Determination of the Optical Gap of the Au <sub>144</sub> (SC <sub>2</sub> H <sub>4</sub> Ph) <sub>60</sub> Cluster and the (Au/Ag) <sub>144</sub> (SC <sub>2</sub> H <sub>4</sub> Ph) <sub>60</sub> Nanoalloys. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3076-3080.	4.6	48
101	Acid-Base Properties and Surface Charge Distribution of the Water-Soluble Au <sub>102</sub> (MBA) <sub>44</sub> Nanocluster. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10041-10050.	3.1	47
102	[Pt <sub>2</sub> Cu <sub>34</sub> (PET) <sub>22</sub> Cl <sub>4</sub> ] <sup>2+</sup> : 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.	13.7	47
103	Pd <sub>2</sub> Au <sub>36</sub> (SR) <sub>24</sub> cluster: structure studies. <i>Nanoscale</i> , 2015, 7, 17012-17019.	5.6	46
104	A 58-electron superatom-complex model for the magic phosphine-protected gold clusters (Schmid-gold, Nanogold®) of 1.4-nm dimension. <i>Chemical Science</i> , 2011, 2, 1583.	7.4	44
105	Synthesis and Characterization of Enantiopure Chiral Bis NHC-Stabilized Edge-Shared Au <sub>10</sub> Nanocluster with Unique Prolate Shape. <i>Journal of the American Chemical Society</i> , 2022, 144, 2056-2061.	13.7	44
106	Oligomeric Gold-Thiolate Units Define the Properties of the Molecular Junction between Gold and Benzene Dithiols. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1528-1532.	4.6	43
107	A Homoleptic Alkynyl-Ligated [Au <sub>13</sub> Ag <sub>16</sub> L <sub>24</sub> ] <sup>3+</sup> Cluster as a Catalytically Active Eight-Electron Superatom. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 970-975.	13.8	43
108	Evidence of superatom electronic shells in ligand-stabilized aluminum clusters. <i>Journal of Chemical Physics</i> , 2011, 135, 094701.	3.0	42

#	ARTICLE	IF	CITATIONS
109	Au <sub>70</sub> S <sub>20</sub> (PPh <sub>3</sub> ) <sub>12</sub> : an intermediate sized metalloid gold cluster stabilized by the Au <sub>4</sub> S <sub>4</sub> ring motif and Au-PPh <sub>3</sub> groups. <i>Chemical Communications</i> , 2018, 54, 248-251.	4.1	42
110	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.	13.8	42
111	Density functional study of gold atoms and clusters on a graphite (0001) surface with defects. <i>Physical Review B</i> , 2006, 74, .	3.2	41
112	The Al <sub>50</sub> Cp* <sub>12</sub> Cluster - A 138-Electron Closed Shell (L = 6) Superatom. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2649-2652.	2.0	41
113	Formation of Gold(I) Edge Oxide at Flat Gold Nanoclusters on an Ultrathin MgO Film under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7913-7916.	13.8	40
114	Role of the Central Gold Atom in Ligand-Protected Bicosahedral Au <sub>24</sub> and Au <sub>25</sub> Clusters. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22079-22086.	3.1	39
115	Highly Robust but Surface-Active: An N-Heterocyclic Carbene-Stabilized Au <sub>25</sub> Nanocluster. <i>Angewandte Chemie</i> , 2019, 131, 17895-17899.	2.0	39
116	Stability, electronic structure, and optical properties of protected gold-doped silver Ag <sub>29</sub> <sup>x</sup> Au <sub>x</sub> (x = 0-5) nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13868-13874.	2.8	38
117	Reversible isomerization of metal nanoclusters induced by intermolecular interaction. <i>CheM</i> , 2021, 7, 2227-2244.	11.7	38
118	Dynamic Stabilization of the Ligand-Metal Interface in Atomically Precise Gold Nanoclusters Au <sub>68</sub> and Au <sub>144</sub> Protected by <i>meta</i> -Mercaptobenzoic Acid. <i>ACS Nano</i> , 2017, 11, 11872-11879.	14.6	37
119	A method for structure prediction of metal-ligand interfaces of hybrid nanoparticles. <i>Nature Communications</i> , 2019, 10, 3973.	12.8	37
120	TDDFT Analysis of Optical Properties of Thiol Monolayer-Protected Gold and Intermetallic Silver-Gold Au <sub>144</sub> (SR) <sub>60</sub> and Au <sub>84</sub> Ag <sub>60</sub> (SR) <sub>60</sub> Clusters. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20002-20008.	3.1	36
121	Electronic shell structures in bare and protected metal nanoclusters. <i>Advances in Physics: X</i> , 2016, 1, 467-491.	4.1	36
122	One-pot synthesis and characterization of subnanometre-size benzotriazolone protected copper clusters. <i>Nanoscale</i> , 2012, 4, 4095.	5.6	35
123	Electronic Structure and Optical Properties of the Intrinsically Chiral 16-Electron Superatom Complex [Au <sub>20</sub> (PP <sub>3</sub> ) <sub>4</sub> ] <sup>4+</sup> . <i>Journal of Physical Chemistry A</i> , 2014, 118, 4214-4221.	2.5	35
124	Hydrophobic pocket targeting probes for enteroviruses. <i>Nanoscale</i> , 2015, 7, 17457-17467.	5.6	35
125	Mixed-Monolayer-Protected Au <sub>25</sub> Clusters with Bulky Calix[4]arene Functionalities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 585-589.	4.6	34
126	Vibrational Perturbations and Ligand-Layer Coupling in a Single Crystal of Au <sub>144</sub> (SC <sub>2</sub> H <sub>4</sub> Ph) <sub>60</sub> Nanocluster. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 387-392.	4.6	34



#	ARTICLE	IF	CITATIONS
127	Reversible Supracolloidal Self-Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6473-6477.	13.8	34
128	Towards Controlled Synthesis of Water-Soluble Gold Nanoclusters: Synthesis and Analysis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2602-2612.	3.1	34
129	The Redox Chemistry of Gold with High-Valence Doped Calcium Oxide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1424-1427.	13.8	33
130	Dynamic Diglyme-Mediated Self-Assembly of Gold Nanoclusters. <i>ACS Nano</i> , 2015, 9, 11690-11698.	14.6	33
131	Monte Carlo Simulations of Au <sub>38</sub> (SCH <sub>3</sub> ) <sub>24</sub> Nanocluster Using Distance-Based Machine Learning Methods. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4827-4836.	2.5	33
132	Experimental Confirmation of a Topological Isomer of the Ubiquitous Au <sub>25</sub> (SR) <sub>18</sub> Cluster in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2021, 143, 1273-1277.	13.7	33
133	Copper-hydride nanoclusters with enhanced stability by N-heterocyclic carbenes. <i>Nano Research</i> , 2021, 14, 3303-3308.	10.4	33
134	Ag <sub>44</sub> (EBT) <sub>26</sub> (TPP) <sub>4</sub> Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9038-9044.	13.8	33
135	Protected but Accessible: Oxygen Activation by a Calixarene-Stabilized Undecagold Cluster. <i>Journal of the American Chemical Society</i> , 2013, 135, 12944-12947.	13.7	32
136	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.	3.1	31
137	Symmetry breaking in ligand-protected gold clusters probed by nonlinear optics. <i>Nanoscale</i> , 2016, 8, 12123-12127.	5.6	31
138	First-principles simulations of hydrogen peroxide formation catalyzed by small neutral gold clusters. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6359.	2.8	30
139	Divide and Protect: Passivating Cu(111) by Cu-(benzotriazole) <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2012, 116, 22346-22349.	3.1	30
140	A topological isomer of the Au <sub>25</sub> (SR) <sub>18</sub> <sup>+</sup> nanocluster. <i>Chemical Communications</i> , 2020, 56, 8087-8090.	4.1	30
141	Photoelectron spectra from first principles: from the many-body to the single-particle picture. <i>New Journal of Physics</i> , 2008, 10, 043018.	2.9	29
142	Adsorption and activation of O <sub>2</sub> at Au chains on MgO/Mo thin films. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1483.	2.8	29
143	Optical absorption of magnesia-supported gold clusters and nanoscale catalysts: Effects due to the support, clusters, and adsorbants. <i>Physical Review B</i> , 2005, 72, .	3.2	28
144	Solvation chemistry of water-soluble thiol-protected gold nanocluster Au <sub>102</sub> from DOSY NMR spectroscopy and DFT calculations. <i>Nanoscale</i> , 2014, 6, 7823-7826.	5.6	28

#	ARTICLE	IF	CITATIONS
145	Supramolecular Science: Silver Clusters Stabilized by a Thiolate-Phosphine Monolayer: Insight into Electronic and Optical Properties of Ag <sub>14</sub> (SC <sub>6</sub> H <sub>3</sub> F <sub>2</sub> ) <sub>12</sub> (PPh <sub>3</sub> ) <sub>8</sub> and Ag <sub>16</sub> (SC <sub>6</sub> H <sub>3</sub> F <sub>2</sub> ) <sub>14</sub> (DPPE) <sub>4</sub> .	2.5	28
146	The Role of the Anchor Atom in the Ligand of the Monolayer-Protected Au <sub>25</sub> (XR) <sub>18</sub> Nanocluster. Journal of Physical Chemistry C, 2015, 119, 9587-9594.	3.1	28
147	Atomically Precise Gold Nanoclusters: Towards an Optimal Biocompatible System from a Theoretical-Experimental Strategy. Small, 2021, 17, e2005499.	10.0	28
148	55-Atom clusters of silver and gold: Symmetry breaking by relativistic effects. Computational Materials Science, 2006, 35, 332-336.	3.0	27
149	Copper Induces a Core Plasmon in Intermetallic Au <sub>(144,145)</sub> Cu <sub>(144,145)</sub> (SR) <sub>60</sub> Nanoclusters. Journal of Physical Chemistry Letters, 2015, 6, 515-520.	4.6	27
150	Impacts of Copper Position on the Electronic Structure of [Au <sub>25-x</sub> Cu <sub>x</sub> (SH) <sub>18</sub> ] <sup>+</sup> Nanoclusters. Journal of Physical Chemistry C, 2015, 119, 8290-8298.	3.1	27
151	Oxidation of small gas phase Pd clusters: A density functional study. Computational Materials Science, 2006, 35, 371-374.	3.0	26
152	Raman spectra of single-walled carbon nanotubes with vacancies. Physical Review B, 2008, 77, .	3.2	26
153	Modeling thiolate-protected gold clusters with density-functional tight-binding. European Physical Journal D, 2013, 67, 1.	1.3	26
154	Electron quantization in arbitrarily shaped gold islands on MgO thin films. Physical Review B, 2013, 88, .	3.2	26
155	Real-space imaging with pattern recognition of a ligand-protected Ag <sub>374</sub> nanocluster at sub-molecular resolution. Nature Communications, 2018, 9, 2948.	12.8	26
156	Towards Atomically Precise Supported Catalysts from Monolayer-Protected Clusters: The Critical Role of the Support. Chemistry - A European Journal, 2020, 26, 7051-7058.	3.3	25
157	A DFT Study of Linear Gold-Thiolate Superclusters Absorbing in the Therapeutic NIR Window. Journal of Physical Chemistry Letters, 2014, 5, 1329-1334.	4.6	24
158	Tertiary Chiral Nanostructures from C <sup>∞</sup> H <sup>∞</sup> Directed Assembly of Chiroptical Superatoms. Angewandte Chemie - International Edition, 2021, 60, 22411-22416.	13.8	24
159	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au <sub>13</sub> Cu <sub>2</sub> Nanoclusters. Angewandte Chemie, 2018, 130, 3479-3483.	2.0	23
160	Atomic Layer Deposition of Aluminum Oxide on TiO <sub>2</sub> and Its Impact on N <sub>3</sub> Dye Adsorption from First Principles. Journal of Physical Chemistry C, 2011, 115, 9250-9259.	3.1	22
161	Optical and electronic properties of graphene nanoribbons upon adsorption of ligand-protected aluminum clusters. Physical Chemistry Chemical Physics, 2014, 16, 3558.	2.8	22
162	NHC-Stabilized Au <sub>10</sub> Nanoclusters and Their Conversion to Au <sub>25</sub> Nanoclusters. JACS Au, 2022, 2, 875-885.	7.9	22

#	ARTICLE	IF	CITATIONS
163	Effect of bending on Raman-active vibration modes of carbon nanotubes. <i>Physical Review B</i> , 2008, 78, .	3.2	21
164	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.	3.1	21
165	Electronic structure and thermal behavior of a magicNa59+cluster. <i>Physical Review A</i> , 2004, 70, .	2.5	20
166	The electronic structure of Ge9[Si(SiMe3)3]3âˆ²: a superantiatom complex. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9311.	2.8	20
167	Photodynamics of a Molecular Water-Soluble Nanocluster Identified as Au<sub>130</sub> (<i>p</i>MBA)<sub>50</sub>. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20224-20229.	3.1	20
168	Electron Binding in a Superatom with a Repulsive Coulomb Barrier: The Case of [Ag<sub>44</sub>(SC<sub>6</sub>H<sub>3</sub>F<sub>2</sub>)<sub>30</sub>]<sup>4â€ˆ</sup> in the Gas Phase. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3069-3074.	4.6	20
169	Prospects and challenges for computer simulations of monolayer-protected metal clusters. <i>Nature Communications</i> , 2021, 12, 2197.	12.8	20
170	A small spherical liquid: A DFT molecular dynamics study of WAu12. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2208.	2.8	19
171	Theoretical Analysis of the M<sub>12</sub>Ag<sub>32</sub>(SR)<sub>40</sub><sup>4â€ˆ</sup> and X@M<sub>12</sub>Ag<sub>32</sub>(SR)<sub>30</sub><sup>4â€ˆ</sup> Nanoclusters (M = Au, Ag; X = H,)		19
172	Templateâ€Free Supracolloidal Selfâ€Assembly of Atomically Precise Gold Nanoclusters: From 2D Colloidal Crystals to Spherical Capsids. <i>Angewandte Chemie</i> , 2016, 128, 16269-16272.	2.0	19
173	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.	2.5	19
174	Synthesis and properties of an Au<sub>6</sub> cluster supported by a mixed N-heterocyclic carbeneâ€thiolate ligand. <i>Chemical Communications</i> , 2020, 56, 6102-6105.	4.1	19
175	Regioselective hydrogenation of alkenes over atomically dispersed Pd sites on NHC-stabilized bimetallic nanoclusters. <i>CheM</i> , 2022, 8, 2380-2392.	11.7	19
176	Crystal Structures and Density Functional Theory Calculations of <i>o</i>- and <i>p</i>-Nitroaniline Derivatives: Combined Effect of Hydrogen Bonding and Aromatic Interactions on Dimerization Energy. <i>Crystal Growth and Design</i> , 2013, 13, 3603-3612.	3.0	18
177	Analysis of Localized Surface Plasmon Resonances in Spherical Jellium Clusters and Their Assemblies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27036-27052.	3.1	18
178	Reversible Supracolloidal Selfâ€Assembly of Cobalt Nanoparticles to Hollow Capsids and Their Superstructures. <i>Angewandte Chemie</i> , 2017, 129, 6573-6577.	2.0	18
179	Characterization of Ironâ€Carbonyl-Protected Gold Clusters. <i>Journal of the American Chemical Society</i> , 2009, 131, 12573-12575.	13.7	17
180	Solubilityâ€Driven Isolation of a Metastable Nonagold Cluster with Bodyâ€Centered Cubic Structure. <i>Chemistry - A European Journal</i> , 2020, 26, 8465-8470.	3.3	17

#	ARTICLE	IF	CITATIONS
181	Patterning of supported gold monolayers via chemical lift-off lithography. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2648-2661.	2.8	16
182	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.	3.1	15
183	Surface Coordination of Multiple Ligands Endows Heterocyclic Carbene-Stabilized Gold Nanoclusters with High Robustness and Surface Reactivity. <i>Angewandte Chemie</i> , 2021, 133, 3796-3802.	2.0	14
184	Solvent driven formation of silver embedded resorcinarene nanorods. <i>CrystEngComm</i> , 2012, 14, 347-350.	2.6	13
185	Structural characterization of site-modified nanocapsid with monodispersed gold clusters. <i>Scientific Reports</i> , 2017, 7, 17048.	3.3	13
186	Atomically Precise Alkynyl- and Halide-Protected AuAg Nanoclusters Au <sub>78</sub> Ag <sub>66</sub> (C <sub>6</sub> H <sub>5</sub> ) <sub>48</sub> Cl <sub>8</sub> and Au <sub>74</sub> Ag <sub>60</sub> (C <sub>6</sub> H <sub>5</sub> ) <sub>40</sub> Br <sub>12</sub> : The Ligation Effects of Halides. <i>Inorganic Chemistry</i> , 2021, 60, 3529-3533.	4.0	13
187	Photo-induced Cluster-to-Cluster Transformation of [Au <sub>37</sub> Ag <sub>x</sub> (PPh <sub>3</sub> ) <sub>13</sub> Cl <sub>10</sub> ] <sup>3+</sup> into [Au <sub>25</sub> Ag <sub>y</sub> (PPh <sub>3</sub> ) <sub>10</sub> Cl <sub>8</sub> ] <sup>4+</sup> : Fragmentation of a Trimer of 8-Electron Superatoms by Light. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10920-10926.	4.6	13
188	Electronic Structure. <i>Frontiers of Nanoscience</i> , 2015, 9, 189-222.	0.6	12
189	Site Preference in Multimetallic Nanoclusters: Incorporation of Alkali Metal Ions or Copper Atoms into the Alkynyl-Protected Body-Centered Cubic Cluster [Au <sub>7</sub> Ag <sub>8</sub> (C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> ) <sub>12</sub> ] <sup>+</sup> . <i>Angewandte Chemie</i> , 2016, 128, 15376-15380.	2.0	11
190	Analysis of the Electronic Structure of Non-Spherical Ligand-Protected Metal Nanoclusters: The Case of a Box-Like Ag <sub>67</sub> . <i>Journal of Physical Chemistry C</i> , 2017, 121, 10698-10705.	3.1	11
191	Nonmagnetic and magnetic thiolate-protected Au <sub>25</sub> superatoms on Cu(111), Ag(111), and Au(111) surfaces. <i>Physical Review B</i> , 2012, 85, .	3.2	10
192	Silver Sulfide Nanoclusters and the Superatom Model. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1583-1590.	3.1	10
193	Surface Chemistry Controls Magnetism in Cobalt Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20822-20827.	3.1	10
194	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. <i>Angewandte Chemie</i> , 2018, 130, 6632-6636.	2.0	10
195	Chiral footprint of the ligand layer in the all-alkynyl-protected gold nanocluster Au <sub>144</sub> (CCPhF) <sub>60</sub> . <i>Chemical Communications</i> , 2019, 55, 9460-9462.	4.1	10
196	Charge Transfer Plasmons in Dimeric Electron Clusters. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12645-12654.	3.1	10
197	Symmetry-induced long-lived excited state in Au <sub>6</sub> <sup>+</sup> . <i>Physical Review B</i> , 2007, 76, .	3.2	9
198	Exploring Strategies for Labeling Viruses with Gold Nanoclusters through Non-equilibrium Molecular Dynamics Simulations. <i>Bioconjugate Chemistry</i> , 2017, 28, 2327-2339.	3.6	9

#	ARTICLE	IF	CITATIONS
199	Exploring the atomic structure of 1.8 nm monolayer-protected gold clusters with aberration-corrected STEM. <i>Ultramicroscopy</i> , 2017, 176, 146-150.	1.9	8
200	Ab initio molecular dynamics studies of Au <sub>38</sub> (SR) <sub>24</sub> isomers under heating. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	8
201	Reaction of $\text{Si}^{14+}$ with $\text{Au}^{13+}$ and $\text{Au}^{14+}$ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 12345-12350.	3.0	7
202	Ligand-Protected Gold Nanoclusters as Superatoms—Insights from Theory and Computations. <i>Frontiers of Nanoscience</i> , 2012, 3, 129-157.	0.6	7
203	How many gold atoms make gold metal?. <i>Europhysics News</i> , 2015, 46, 23-26.	0.3	7
204	Ligand mediated evolution of size dependent magnetism in cobalt nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4563-4570.	2.8	7
205	Covalent and non-covalent coupling of a Au <sub>102</sub> nanocluster with a fluorophore: energy transfer, quenching and intracellular pH sensing. <i>Nanoscale Advances</i> , 2021, 3, 6649-6658.	4.6	7
206	Ligand Ratio Plays a Critical Role in the Design of Optimal Multifunctional Gold Nanoclusters for Targeted Gastric Cancer Therapy. <i>ACS Nanoscience Au</i> , 2021, 1, 47-60.	4.8	7
207	Protected Metallic Clusters, Quantum Wells and Metal-Nanocrystal Molecules. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15877-15878.	3.1	6
208	Theoretical Studies of Gold Nanoclusters in Various Chemical Environments: When the Size Matters. , 2012, , 233-272.		6
209	Solid state halogen bonded networks vs. dynamic assemblies in solution: explaining Nâˆ™X interactions of multivalent building blocks. <i>CrystEngComm</i> , 2015, 17, 8231-8241.	2.6	6
210	A Homoleptic Alkynylâ€‘Ligated [Au <sub>13</sub> Ag <sub>16</sub> L <sub>24</sub> ] 3âˆ™ Cluster as a Catalytically Active Eightâ€‘Electron Superatom. <i>Angewandte Chemie</i> , 2021, 133, 983-988.	2.0	6
211	Ag <sub>44</sub> (EBT) <sub>26</sub> (TPP) <sub>4</sub> Nanoclusters With Tailored Molecular and Electronic Structure. <i>Angewandte Chemie</i> , 2021, 133, 9120-9126.	2.0	6
212	Magnetically induced currents and aromaticity in ligand-stabilized Au and AuPt superatoms. <i>Nature Communications</i> , 2021, 12, 2477.	12.8	6
213	Cubic aromaticity in ligand-stabilized doped Au superatoms. <i>Journal of Chemical Physics</i> , 2021, 154, 204303.	3.0	6
214	Dynamics of weak interactions in the ligand layer of <i>meta</i> -mercaptobenzoic acid protected gold nanoclusters Au <sub>68</sub> ( <i>m</i> -MBA) <sub>32</sub> and Au <sub>144</sub> ( <i>m</i> -MBA) <sub>40</sub> . <i>Nanoscale</i> , 2020, 12, 23859-23868.	5.6	6
215	Selective Acrolein Hydrogenation over Ligand-Protected Gold Clusters: A Venus Flytrap Mechanism. <i>ACS Catalysis</i> , 2022, 12, 2365-2374.	11.2	6
216	Gold/Isophorone Interaction Driven by Keto/Enol Tautomerization. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21962-21966.	3.1	5

#	ARTICLE	IF	CITATIONS
217	Anomalous binding sequence of CO ligands to an anionic triplatinum carbonyl complex. <i>Chemical Physics Letters</i> , 2005, 406, 44-48.	2.6	4
218	Computational Study of Adsorption of CO <sub>2</sub> , SO <sub>2</sub> , and H <sub>2</sub> CO on Free-Standing and Molybdenum-Supported CaO Films. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7758-7765.	3.1	4
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.	2.0	4
220	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.	2.6	3
221	Gold assisted oxygen dissociation on a molybdenum-doped CaO(001) surface. <i>Catalysis Science and Technology</i> , 2016, 6, 6784-6793.	4.1	3
222	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.	10.0	3
223	Structure and dynamics of CaO films: A computational study of an effect of external static electric field. <i>Physical Review B</i> , 2017, 95, .	3.2	2
224	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.	3.1	2
225	Isomer dynamics of the [Au <sub>6</sub> (NHC-S) <sub>4</sub> ] <sup>2+</sup> nanocluster. <i>Chemical Communications</i> , 2022, 58, 3218-3221.	4.1	2
226	Binding Behavior of Carbonmonoxide to Gold Atoms on Ag(001). <i>Topics in Catalysis</i> , 2020, 63, 1578-1584.	2.8	1
227	Tertiary Chiral Nanostructures from C <sup>∞</sup> H <sup>∞</sup> ...F Directed Assembly of Chiroptical Superatoms. <i>Angewandte Chemie</i> , 2021, 133, 22585-22590.	2.0	1
228	Au <sub>102</sub> (p-MBA) <sub>44</sub> nanocluster, a superatom suitable for bio-applications. , 2016, , .		0
229	Preface to the Special Issue –ISSPIC XVIII: International Symposium on Small Particles and Inorganic Clusters 2016. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10629-10631.	3.1	0
230	Analysis of the plasmonic excitations in assemblies of three-dimensional electron clusters. <i>Physical Review B</i> , 2020, 102, .	3.2	0