

# Peng Zhang

## List of Publications by Year in descending order

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152  
papers

13,405  
citations

28274

55  
h-index

22166

113  
g-index

155  
all docs

155  
docs citations

155  
times ranked

16517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical route for synthesizing atomically dispersed palladium catalysts. <i>Science</i> , 2016, 352, 797-800.	12.6	1,540
2	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. <i>Science Advances</i> , 2015, 1, e1500462.	10.3	719
3	Interfacial Effects in Iron-Nickel Hydroxideâ€“Platinum Nanoparticles Enhance Catalytic Oxidation. <i>Science</i> , 2014, 344, 495-499.	12.6	591
4	Enhancing multiphoton upconversion through energy clustering at sublattice level. <i>Nature Materials</i> , 2014, 13, 157-162.	27.5	528
5	Identification of a Highly Luminescent Au <sub>22</sub> (SG) <sub>18</sub> Nanocluster. <i>Journal of the American Chemical Society</i> , 2014, 136, 1246-1249.	13.7	490
6	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinumâ€“nickel hydroxideâ€“graphene. <i>Nature Communications</i> , 2015, 6, 10035.	12.8	466
7	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. <i>Nature Communications</i> , 2019, 10, 631.	12.8	423
8	X-Ray Studies of the Structure and Electronic Behavior of Alkanethiolate-Capped Gold Nanoparticles: The Interplay of Size and Surface Effects. <i>Physical Review Letters</i> , 2003, 90, 245502.	7.8	351
9	Ultrasmall and phase-pure W <sub>2</sub> C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. <i>Nature Communications</i> , 2016, 7, 13216.	12.8	334
10	Fe Stabilization by Intermetallic L1 <sub>0</sub> -FePt and Pt Catalysis Enhancement in L1 <sub>0</sub> -FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 2926-2932.	13.7	312
11	Golden single-atomic-site platinum electrocatalysts. <i>Nature Materials</i> , 2018, 17, 1033-1039.	27.5	266
12	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. <i>Science Advances</i> , 2020, 6, eaba6586.	10.3	263
13	Promoting Effect of Ni(OH) <sub>2</sub> on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. <i>Advanced Materials</i> , 2017, 29, 1703057.	21.0	251
14	Highly efficient, NiAu-catalyzed hydrogenolysis of lignin into phenolic chemicals. <i>Green Chemistry</i> , 2014, 16, 2432-2437.	9.0	239
15	Single-atom alloy catalysts: structural analysis, electronic properties and catalytic activities. <i>Chemical Society Reviews</i> , 2021, 50, 569-588.	38.1	220
16	Subnanometric Hybrid Pd-M(OH) <sub>2</sub> , M = Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. <i>CheM</i> , 2017, 3, 477-493.	11.7	212
17	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. <i>Science Advances</i> , 2017, 3, e1701069.	10.3	211
18	Kinetic Control and Thermodynamic Selection in the Synthesis of Atomically Precise Gold Nanoclusters. <i>Journal of the American Chemical Society</i> , 2011, 133, 9670-9673.	13.7	209

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19	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. <i>Nature Communications</i> , 2019, 10, 1330.	12.8	177
20	Tuning the electronic behavior of Au nanoparticles with capping molecules. <i>Applied Physics Letters</i> , 2002, 81, 736-738.	3.3	165
21	Amorphous MoS <sub>3</sub> Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodium-Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. <i>Advanced Energy Materials</i> , 2017, 7, 1601602.	19.5	164
22	Computationally aided, entropy-driven synthesis of highly efficient and durable multi-elemental alloy catalysts. <i>Science Advances</i> , 2020, 6, eaaz0510.	10.3	158
23	Collective excitation of plasmon-coupled Au-nanochain boosts photocatalytic hydrogen evolution of semiconductor. <i>Nature Communications</i> , 2019, 10, 4912.	12.8	157
24	Properties and applications of protein-stabilized fluorescent gold nanoclusters: short review. <i>Journal of Nanophotonics</i> , 2012, 6, 064504.	1.0	147
25	X-ray Spectroscopy of Gold-Thiolate Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25291-25299.	3.1	138
26	Pd Nanoparticles Coupled to WO <sub>2.72</sub> Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. <i>Nano Letters</i> , 2017, 17, 2727-2731.	9.1	136
27	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8894-8898.	13.8	126
28	Alloy-structure-dependent electronic behavior and surface properties of Au-Pd nanoparticles. <i>Chemical Physics Letters</i> , 2008, 461, 254-259.	2.6	122
29	The Structure and Bonding of Au <sub>25</sub> (SR) <sub>18</sub> Nanoclusters from EXAFS: The Interplay of Metallic and Molecular Behavior. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15282-15287.	3.1	114
30	Dopant Location, Local Structure, and Electronic Properties of Au <sub>24</sub> Pt(SR) <sub>18</sub> Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26932-26937.	3.1	105
31	Extreme mixing in nanoscale transition metal alloys. <i>Matter</i> , 2021, 4, 2340-2353.	10.0	102
32	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO <sub>2</sub> with High Activity and Tailored Selectivity. <i>Advanced Science</i> , 2017, 4, 1700252.	11.2	97
33	Tailoring Surface Frustrated Lewis Pairs of In <sub>2</sub> O <sub>3</sub> for Gas-Phase Heterogeneous Photocatalytic Reduction of CO <sub>2</sub> by Isomorphous Substitution of In <sup>3+</sup> with Bi <sup>3+</sup> . <i>Advanced Science</i> , 2018, 5, 1700732.	11.2	91
34	Electro-Oxidation of Ni <sub>42</sub> Steel: A Highly Active Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2016, 26, 6402-6417.	14.9	90
35	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 15430-15436.	13.7	90
36	A highly active, stable and synergistic Pt nanoparticles/Mo <sub>2</sub> C nanotube catalyst for methanol electro-oxidation. <i>NPG Asia Materials</i> , 2015, 7, e153-e153.	7.9	88

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37	Site-Specific and Size-Dependent Bonding of Compositionally Precise Gold <sup>III</sup> Thiolate Nanoparticles from X-ray Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1821-1825.	4.6	86
38	Fe <sup>II</sup> -N bonding in a carbon nanotube-graphene complex for oxygen reduction: an XAS study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15787.	2.8	84
39	X <sub>20</sub> CoCrWMo <sub>10-9</sub> //Co <sub>3</sub> O <sub>4</sub> : a metal-ceramic composite with unique efficiency values for water-splitting in the neutral regime. <i>Energy and Environmental Science</i> , 2016, 9, 2609-2622.	30.8	84
40	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 820-828.	20.2	80
41	A vicinal effect for promoting catalysis of Pd <sub>1</sub> /TiO <sub>2</sub> : supports of atomically dispersed catalysts play more roles than simply serving as ligands. <i>Science Bulletin</i> , 2018, 63, 675-682.	9.0	80
42	Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2021, 11, 355-363.	11.2	79
43	Water as the Key to Proto-Aragonite Amorphous CaCO <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8117-8120.	13.8	78
44	Structural and electronic properties of protein/thiolate-protected gold nanocluster with a staple motif: A XAS, L-DOS, and XPS study. <i>Journal of Chemical Physics</i> , 2009, 131, 214703.	3.0	77
45	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018, 9, 2782-2790.	7.4	76
46	Anisotropic Strain Tuning of Li <sub>2</sub> O Ternary Nanoparticles for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 19209-19216.	13.7	76
47	Electron donation of non-oxide supports boosts O <sub>2</sub> activation on nano-platinum catalysts. <i>Nature Communications</i> , 2021, 12, 2741.	12.8	72
48	A Segregated, Partially Oxidized, and Compact Ag <sub>10</sub> Cluster within an Encapsulating DNA Host. <i>Journal of the American Chemical Society</i> , 2016, 138, 3469-3477.	13.7	70
49	Size Effects of Platinum Colloid Particles on the Structure and CO Oxidation Properties of Supported Pt/Fe <sub>2</sub> O <sub>3</sub> Catalysts. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21254-21262.	3.1	67
50	Disordered amorphous calcium carbonate from direct precipitation. <i>CrystEngComm</i> , 2015, 17, 4842-4849.	2.6	67
51	Single-Atom Catalysts Supported by Crystalline Porous Materials: Views from the Inside. <i>Advanced Materials</i> , 2020, 32, e2002910.	21.0	65
52	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13312-13317.	13.8	64
53	Ultrathin Bi <sub>2</sub> S <sub>3</sub> Nanowires: Surface and Core Structure at the Cluster-Nanocrystal Transition. <i>Journal of the American Chemical Society</i> , 2010, 132, 9058-9068.	13.7	61
54	Amorphous carbon nanowires investigated by near-edge-x-ray-absorption-fine-structures. <i>Applied Physics Letters</i> , 2001, 79, 3773-3775.	3.3	59

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55	Towards enhancing photocatalytic hydrogen generation: Which is more important, alloy synergistic effect or plasmonic effect?. Applied Catalysis B: Environmental, 2018, 221, 77-85.	20.2	59
56	Bottom-up growth of homogeneous Moiré superlattices in bismuth oxychloride spiral nanosheets. Nature Communications, 2019, 10, 4472.	12.8	59
57	Solution-Phase Structure and Bonding of Au <sub>38</sub> (SR) <sub>24</sub> Nanoclusters from X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 65-69.	3.1	56
58	The surface structure of silver-coated gold nanocrystals and its influence on shape control. Nature Communications, 2015, 6, 7664.	12.8	53
59	In Situ Electrochemical XAFS Studies on an Iron Fluoride High-Capacity Cathode Material for Rechargeable Lithium Batteries. Journal of Physical Chemistry C, 2013, 117, 11498-11505.	3.1	51
60	Tunable Bifunctional Activity of Mn <sub>x</sub> Co <sub>3x</sub> O <sub>4</sub> Nanocrystals Decorated on Carbon Nanotubes for Oxygen Electrocatalysis. ChemSusChem, 2018, 11, 1295-1304.	6.8	50
61	Multi-principal elemental intermetallic nanoparticles synthesized via a disorder-to-order transition. Science Advances, 2022, 8, eabm4322.	10.3	49
62	Impact of Protecting Ligands on Surface Structure and Antibacterial Activity of Silver Nanoparticles. Langmuir, 2015, 31, 3745-3752.	3.5	47
63	Distinct Short-Range Order Is Inherent to Small Amorphous Calcium Carbonate Clusters (<math>2\text{--}10\text{ nm}</math>). Angewandte Chemie - International Edition, 2016, 55, 12206-12209.	13.8	47
64	Temperature-Dependent Structure and Electrochemical Behavior of RuO <sub>2</sub> /Carbon Nanocomposites. Journal of Physical Chemistry C, 2011, 115, 19117-19128.	3.1	45
65	Cation Exchange of Anisotropic-Shaped Magnetite Nanoparticles Generates High-Relaxivity Contrast Agents for Liver Tumor Imaging. Chemistry of Materials, 2016, 28, 3497-3506.	6.7	45
66	PdAu Alloy Nanoparticles for Ethanol Oxidation in Alkaline Conditions: Enhanced Activity and C1 Pathway Selectivity. ACS Applied Energy Materials, 2019, 2, 8701-8706.	5.1	45
67	Correlating the Atomic Structure of Bimetallic Silver-Gold Nanoparticles to Their Antibacterial and Cytotoxic Activities. Journal of Physical Chemistry C, 2015, 119, 7472-7482.	3.1	44
68	Unique Bonding Properties of the Au <sub>36</sub> (SR) <sub>24</sub> Nanocluster with FCC-Like Core. Journal of Physical Chemistry Letters, 2013, 4, 3186-3191.	4.6	43
69	Atomic Dispersion and Surface Enrichment of Palladium in Nitrogen-Doped Porous Carbon Cages Lead to High-Performance Electrocatalytic Reduction of Oxygen. ACS Applied Materials & Interfaces, 2020, 12, 17641-17650.	8.0	42
70	Local structure of fluorescent platinum nanoclusters. Nanoscale, 2012, 4, 4199.	5.6	40
71	Local Structure, Electronic Behavior, and Electrocatalytic Reactivity of CO-Reduced Platinum-Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 26324-26333.	3.1	40
72	Description and Role of Bimetallic Prenucleation Species in the Formation of Small Nanoparticle Alloys. Journal of the American Chemical Society, 2015, 137, 15852-15858.	13.7	40

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73	Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. <i>Inorganic Chemistry</i> , 2020, 59, 13201-13210.	4.0	40
74	On the functional role of the cerium oxide support in the Au <sub>38</sub> (SR) <sub>24</sub> /CeO <sub>2</sub> catalyst for CO oxidation. <i>Catalysis Today</i> , 2017, 280, 239-245.	4.4	39
75	Photovoltaic Properties of Polymer/Fe <sub>2</sub> O <sub>3</sub> /Polymer Heterostructured Microspheres. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2329-2332.	2.6	38
76	Organosulfur-Functionalized Au, Pd, and Au <sup>+</sup> Pd Nanoparticles on 1D Silicon Nanowire Substrates: Preparation and XAFS Studies. <i>Langmuir</i> , 2005, 21, 8502-8508.	3.5	38
77	Surface Structure of Organosulfur Stabilized Silver Nanoparticles Studied with X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23094-23101.	3.1	38
78	W-Doped TiO <sub>2</sub> for photothermocatalytic CO <sub>2</sub> reduction. <i>Nanoscale</i> , 2020, 12, 17245-17252.	5.6	37
79	Short-Range Structure of Amorphous Calcium Hydrogen Phosphate. <i>Crystal Growth and Design</i> , 2019, 19, 3030-3038.	3.0	35
80	Sensitivity of Structural and Electronic Properties of Gold-Thiolate Nanoclusters to the Atomic Composition: A Comparative X-ray Study of Au <sub>19</sub> (SR) <sub>13</sub> and Au <sub>25</sub> (SR) <sub>18</sub> . <i>Journal of Physical Chemistry C</i> , 2012, 116, 25137-25142.	3.1	34
81	Reversible Control of Chemoselectivity in Au <sub>38</sub> (SR) <sub>24</sub> Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7173-7179.	4.6	34
82	Nanostructured CdS prepared on porous silicon substrate: Structure, electronic, and optical properties. <i>Journal of Applied Physics</i> , 2002, 91, 6038-6043.	2.5	32
83	Role of Au <sub>4</sub> Units on the Electronic and Bonding Properties of Au <sub>28</sub> (SR) <sub>20</sub> Nanoclusters from X-ray Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1217-1223.	3.1	32
84	Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. <i>Chemistry of Materials</i> , 2015, 27, 5736-5744.	6.7	32
85	X-ray spectroscopy studies on the surface structural characteristics and electronic properties of platinum nanoparticles. <i>Journal of Chemical Physics</i> , 2009, 131, 244716.	3.0	31
86	Bonding properties of thiolate-protected gold nanoclusters and structural analogs from X-ray absorption spectroscopy. <i>Nanotechnology Reviews</i> , 2015, 4, 193-206.	5.8	30
87	An intrinsic dual-emitting gold thiolate coordination polymer, [Au(+I)(p-SPhCO <sub>2</sub> H)] <sub>n</sub> , for ratiometric temperature sensing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9843-9848.	5.5	30
88	Luminescent Au(I)-Thiolate Complexes through Aggregation-Induced Emission: The Effect of pH during and Post Synthesis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6010-6017.	3.1	30
89	Titanosilicate zeolite precursors for highly efficient oxidation reactions. <i>Chemical Science</i> , 2020, 11, 12341-12349.	7.4	29
90	Synergism of Iron and Platinum Species for Low-Temperature CO Oxidation: From Two-Dimensional Surface to Nanoparticle and Single-Atom Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2219-2229.	4.6	29

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91	High CO-Tolerant Ru-Based Catalysts by Constructing an Oxide Blocking Layer. <i>Journal of the American Chemical Society</i> , 2022, 144, 9292-9301.	13.7	29
92	X-ray excited optical luminescence (XEOL): a potential tool for OLED studies. <i>Thin Solid Films</i> , 2000, 363, 318-321.	1.8	28
93	Influence of sample oxidation on the nature of optical luminescence from porous silicon. <i>Applied Physics Letters</i> , 2000, 77, 498-500.	3.3	28
94	A DNA-Encapsulated and Fluorescent Ag <sub>10</sub> <sup>6+</sup> Cluster with a Distinct Metal-Like Core. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14936-14945.	3.1	27
95	X-ray absorption fine structure and electron energy loss spectroscopy study of silicon nanowires at the Si L <sub>3,2</sub> edge. <i>Journal of Applied Physics</i> , 2001, 90, 6379-6383.	2.5	25
96	Surface structural characteristics and tunable electronic properties of wet-chemically prepared Pd nanoparticles. <i>Journal of Chemical Physics</i> , 2008, 128, 154705.	3.0	25
97	Electrochemical deposition and photovoltaic properties of Nano-Fe <sub>2</sub> O <sub>3</sub> -incorporated polypyrrole films. <i>Synthetic Metals</i> , 1997, 84, 165-166.	3.9	24
98	Semiconductor Growth and Junction Formation within Nano-Porous Oxides. <i>Physica Status Solidi A</i> , 2000, 182, 157-162.	1.7	24
99	Fabrication of thiol-capped Pd nanoparticles: An electrochemical method. <i>Applied Physics Letters</i> , 2003, 82, 1778-1780.	3.3	23
100	Ag Nanostructures on a Silicon Nanowire Template: Preparation and X-ray Absorption Fine Structure Study at the Si K-edge and Ag L <sub>3,2</sub> -edge. <i>Chemistry of Materials</i> , 2002, 14, 2519-2526.	6.7	22
101	X-ray Excited Optical Luminescence Studies of Tris-(2,2'-bipyridine)ruthenium(II) at the C, N K-edge and Ru L <sub>3,2</sub> -edge. <i>Journal of the American Chemical Society</i> , 2001, 123, 8870-8871.	13.7	21
102	Tailoring the local structure and electronic property of AuPd nanoparticles by selecting capping molecules. <i>Applied Physics Letters</i> , 2010, 96, 043105.	3.3	19
103	Multichannel detection x-ray absorption near edge structures study on the structural characteristics of dendrimer-stabilized CdS quantum dots. <i>Journal of Applied Physics</i> , 2001, 90, 2755-2759.	2.5	18
104	Electronic structure of molecular-capped gold nanoparticles from X-ray spectroscopy studies: Implications for coulomb blockade, luminescence and non-Fermi behavior. <i>Solid State Communications</i> , 2006, 138, 553-557.	1.9	18
105	Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. <i>Research</i> , 2020, 2020, 9167829.	5.7	18
106	Soft x-ray excited optical luminescence: Some recent applications. <i>Review of Scientific Instruments</i> , 2002, 73, 1379-1381.	1.3	17
107	Versatile Ligand-Exchange Method for the Synthesis of Water-Soluble Monodisperse AuAg Nanoclusters for Cancer Therapy. <i>ACS Applied Nano Materials</i> , 2018, 1, 6773-6781.	5.0	17
108	Soft x-ray-excited luminescence and optical x-ray absorption fine structures of tris (8-hydroxyquinoline) aluminum. <i>Applied Physics Letters</i> , 2001, 78, 1847-1849.	3.3	16

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109	Gold nanoparticles on titanium and interaction with prototype protein. Journal of Biomedical Materials Research - Part A, 2010, 95A, 146-155.	4.0	16
110	Electrochemical route for the fabrication of alkanethiolate-capped gold nanoparticles. Applied Physics Letters, 2003, 82, 1470-1472.	3.3	14
111	Impact of the Selenolate Ligand on the Bonding Behavior of Au <sub>25</sub> Nanoclusters. Journal of Physical Chemistry C, 2014, 118, 21730-21737.	3.1	14
112	X-ray Spectroscopy of Silver Nanostructures toward Antibacterial Applications. Journal of Physical Chemistry C, 2020, 124, 4339-4351.	3.1	14
113	Interactions between Ultrastable Na <sub>4</sub> Ag <sub>44</sub> (SR) <sub>30</sub> Nanoclusters and Coordinating Solvents: Uncovering the Atomic-Scale Mechanism. ACS Nano, 2020, 14, 8433-8441.	14.6	14
114	Gold-Manganese Oxide Core-Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. Journal of Physical Chemistry C, 2016, 120, 22635-22645.	3.1	13
115	Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. Research, 2021, 2021, 6047971.	5.7	13
116	Element-Specific Analysis of the Growth Mechanism, Local Structure, and Electronic Properties of Pt Clusters Formed on Ag Nanoparticle Surfaces. Journal of Physical Chemistry C, 2014, 118, 21714-21721.	3.1	12
117	Structure of Tiopronin-Protected Silver Nanoclusters in a One-Dimensional Assembly. Journal of Physical Chemistry C, 2015, 119, 24627-24635.	3.1	12
118	Biomolecule-Coated Metal Nanoparticles on Titanium. Langmuir, 2012, 28, 2979-2985.	3.5	11
119	Self-Assembly and Chemical Reactivity of Alkenes on Platinum Nanoparticles. Langmuir, 2015, 31, 522-528.	3.5	11
120	Thiolate-Protected Single-Atom Alloy Nanoclusters: Correlation between Electronic Properties and Catalytic Activities. Advanced Materials Interfaces, 2021, 8, 2001342.	3.7	10
121	In situ X-ray Absorption Spectroscopy of Platinum Electrocatalysts. Chemistry Methods, 2021, 1, 162-172.	3.8	10
122	Zhang and Sham Reply:. Physical Review Letters, 2004, 92, .	7.8	9
123	Structural control of Au and Au-Pd nanoparticles by selecting capping ligands with varied electronic and steric effects. Canadian Journal of Chemistry, 2009, 87, 1641-1649.	1.1	9
124	Chemical synthesis and structural studies of thiol-capped gold nanoparticles. Canadian Journal of Chemistry, 2009, 87, 335-340.	1.1	9
125	Germanate with Three-Dimensional 12 Å – 12 Å – 11-Ring Channels Solved by X-ray Powder Diffraction with Charge-Flipping Algorithm. Inorganic Chemistry, 2013, 52, 10238-10244.	4.0	9
126	Thiolate-Protected Bimetallic Nanoclusters: Understanding the Relationship between Electronic and Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 257-275.	4.6	9



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127	<a href="#">Raman absorption spectroscopy studies of local structure and electronic properties of</a> $\text{Na} \times$ <a href="#"></a>		

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145	The structure and bonding properties of tiopronin-protected silver nanoparticles as studied by X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2018, 96, 749-754.	1.1	3
146	Reductive Deposition of Rh Nanostructures on n-Type Porous Silicon: X-ray Absorption and X-ray Excited Optical Luminescence Studies. Langmuir, 2004, 20, 4690-4695.	3.5	2
147	Peptide-Directed Preparation and X-ray Structural Study of Au Nanoparticles on Titanium Surfaces. Langmuir, 2013, 29, 4894-4900.	3.5	2
148	A site-specific comparative study of Au <sub>102</sub> and Au <sub>25</sub> nanoclusters using theoretical EXAFS and I-DOS. Canadian Journal of Chemistry, 2015, 93, 32-36.	1.1	2
149	Surface photovoltage behavior of porous silicon modified with SO <sub>4</sub> specimens. Materials Chemistry and Physics, 2000, 63, 167-169.	4.0	1
150	Structure and Electronic Properties of Molecularly-capped Metal Nanoparticles: The effect of Nano-size, Metal Core and Capping Molecule Probed by X-ray Absorption Spectroscopy. Materials Research Society Symposia Proceedings, 2002, 738, 1341.	0.1	1
151	Heterostructure of silicon/organized-polymer-film with varied liquid crystalline states: a photovoltaic study. Thin Solid Films, 1998, 327-329, 412-414.	1.8	0
152	A large library for tiny catalysts. Nature Materials, 0, , .	27.5	0