# Peng Zhang

List of Publications by Year
in descending order

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|---|---|---|---|
| 152<br>papers | 13,405<br>citations | 28274<br>55<br>h-index | 22166<br>113<br>g-index |
| 155<br>all docs | 155<br>docs citations | 155<br>times ranked | 16517<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multi-principal elemental intermetallic nanoparticles synthesized via a disorder-to-order transition. Science Advances, 2022, 8, eabm4322. | 10.3 | 49 |
| 2 | High CO-Tolerant Ru-Based Catalysts by Constructing an Oxide Blocking Layer. Journal of the American Chemical Society, 2022, 144, 9292-9301. | 13.7 | 29 |
| 3 | Ultrafast Preparation of Nonequilibrium FeNi Spinels by Magnetic Induction Heating for Unprecedented Oxygen Evolution Electrocatalysis. Research, 2022, 2022, . | 5.7 | 7 |
| 4 | Thiolateâ€Protected Singleâ€Atom Alloy Nanoclusters: Correlation between Electronic Properties and Catalytic Activities. Advanced Materials Interfaces, 2021, 8, 2001342. | 3.7 | 10 |
| 5 | Single-atom alloy catalysts: structural analysis, electronic properties and catalytic activities. Chemical Society Reviews, 2021, 50, 569-588. | 38.1 | 220 |
| 6 | Thiolate-Protected Bimetallic Nanoclusters: Understanding the Relationship between Electronic and Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 257-275. | 4.6 | 9 |
| 7 | Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 355-363. | 11.2 | 79 |
| 8 | Siteâ€Specific Electronic Properties of [Ag<sub>25</sub>(SR)<sub>18</sub>]<sup>âˆ’</sup> Nanoclusters by Xâ€Ray Spectroscopy. Small, 2021, 17, e2005162. | 10.0 | 6 |
| 9 | Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. Research, 2021, 2021, 6047971. | 5.7 | 13 |
| 10 | Dynamic Structure of Metal Nanoclusters from Synchrotron X-ray Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 5982-5994. | 3.1 | 5 |
| 11 | In situ Xâ€ray Absorption Spectroscopy of Platinum Electrocatalysts. Chemistry Methods, 2021, 1, 162-172. | 3.8 | 10 |
| 12 | Electron donation of non-oxide supports boosts O2 activation on nano-platinum catalysts. Nature Communications, 2021, 12, 2741. | 12.8 | 72 |
| 13 | Extreme mixing in nanoscale transition metal alloys. Matter, 2021, 4, 2340-2353. | 10.0 | 102 |
| 14 | X-ray Spectroscopy of Silver Nanostructures toward Antibacterial Applications. Journal of Physical Chemistry C, 2020, 124, 4339-4351. | 3.1 | 14 |
| 15 | W-Doped TiO<sub>2</sub> for photothermocatalytic CO<sub>2</sub> reduction. Nanoscale, 2020, 12, 17245-17252. | 5.6 | 37 |
| 16 | Anisotropic Strain Tuning of L1<sub>0</sub> Ternary Nanoparticles for Oxygen Reduction. Journal of the American Chemical Society, 2020, 142, 19209-19216. | 13.7 | 76 |
| 17 | Titanosilicate zeolite precursors for highly efficient oxidation reactions. Chemical Science, 2020, 11, 12341-12349. | 7.4 | 29 |
| 18 | Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. Inorganic Chemistry, 2020, 59, 13201-13210. | 4.0 | 40 |

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| 19 | O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. Science Advances, 2020, 6, eaba6586. | 10.3 | 263 |
| 20 | 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 |
| 21 | Computationally aided, entropy-driven synthesis of highly efficient and durable multi-elemental alloy catalysts. Science Advances, 2020, 6, eaaz0510. | 10.3 | 158 |
| 22 | Singleâ€Atom Catalysts Supported by Crystalline Porous Materials: Views from the Inside. Advanced Materials, 2020, 32, e2002910. | 21.0 | 65 |
| 23 | Synergism of Iron and Platinum Species for Low-Temperature CO Oxidation: From Two-Dimensional Surface to Nanoparticle and Single-Atom Catalysts. Journal of Physical Chemistry Letters, 2020, 11, 2219-2229. | 4.6 | 29 |
| 24 | 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 |
| 25 | Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. Research, 2020, 2020, 9167829. | 5.7 | 18 |
| 26 | 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 |
| 27 | Bottom-up growth of homogeneous MoirÃ© superlattices in bismuth oxychloride spiral nanosheets. Nature Communications, 2019, 10, 4472. | 12.8 | 59 |
| 28 | In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. Nature Communications, 2019, 10, 1330. | 12.8 | 177 |
| 29 | Short-Range Structure of Amorphous Calcium Hydrogen Phosphate. Crystal Growth and Design, 2019, 19, 3030-3038. | 3.0 | 35 |
| 30 | Luminescent Au(I)â€"Thiolate Complexes through Aggregation-Induced Emission: The Effect of pH during and Post Synthesis. Journal of Physical Chemistry C, 2019, 123, 6010-6017. | 3.1 | 30 |
| 31 | Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. Nature Communications, 2019, 10, 631. | 12.8 | 423 |
| 32 | Collective excitation of plasmon-coupled Au-nanochain boosts photocatalytic hydrogen evolution of semiconductor. Nature Communications, 2019, 10, 4912. | 12.8 | 157 |
| 33 | Acetyleneâ€Mediated Synthesis of Supported Pt Nanocatalyst for Selective Hydrogenation of Halonitrobenzene. ChemNanoMat, 2018, 4, 518-523. | 2.8 | 5 |
| 34 | Structure and formation of highly luminescent protein-stabilized gold clusters. Chemical Science, 2018, 9, 2782-2790. | 7.4 | 76 |
| 35 | 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. Journal of the American Chemical Society, 2018, 140, 2926-2932. | 13.7 | 312 |
| 36 | Tunable Bifunctional Activity of Mn<sub><i>x</i></sub>Co<sub>3â^'<i>x</i></sub>O<sub>4</sub> Nanocrystals Decorated on Carbon Nanotubes for Oxygen Electrocatalysis. ChemSusChem, 2018, 11, 1295-1304. | 6.8 | 50 |

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| 37 | A vicinal effect for promoting catalysis of Pd1/TiO2: supports of atomically dispersed catalysts play more roles than simply serving as ligands. Science Bulletin, 2018, 63, 675-682. | 9.0 | 80 |
| 38 | Tailoring Surface Frustrated Lewis Pairs of In<sub>2</sub>O<sub>3â˜’</sub><i><sub>x</sub></i>(OH)<sub>y</sub> for Gasâ€Phase Heterogeneous Photocatalytic Reduction of CO<sub>2</sub> by Isomorphous Substitution of In<sup>3+</sup> with Bi<sup>3+</sup>. Advanced Science, 2018, 5, 1700732. | 11.2 | 91 |
| 39 | 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 |
| 40 | Core Geometry Effect on the Bonding Properties of Goldâ€“Thiolate Nanoclusters: The Case of Hexagonal-Close-Packed Au<sub>30</sub>(SR)<sub>18</sub>. Journal of Physical Chemistry C, 2018, 122, 23414-23419. | 3.1 | 7 |
| 41 | MnO<sub>2</sub>/Fe<sub>2</sub>O<sub>3</sub> Nanocomposite Sorbent for Gas Capture. ACS Applied Nano Materials, 2018, 1, 6674-6682. | 5.0 | 3 |
| 42 | Sensitive X-ray Absorption Near Edge Structure Analysis on the Bonding Properties of Au<sub>30</sub>(SR)<sub>18</sub> Nanoclusters. ACS Omega, 2018, 3, 14981-14985. | 3.5 | 8 |
| 43 | Versatile Ligand-Exchange Method for the Synthesis of Water-Soluble Monodisperse AuAg Nanoclusters for Cancer Therapy. ACS Applied Nano Materials, 2018, 1, 6773-6781. | 5.0 | 17 |
| 44 | Reversible Control of Chemoselectivity in Au<sub>38</sub>(SR)<sub>24</sub> Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. Journal of Physical Chemistry Letters, 2018, 9, 7173-7179. | 4.6 | 34 |
| 45 | Golden single-atomic-site platinum electrocatalysts. Nature Materials, 2018, 17, 1033-1039. | 27.5 | 266 |
| 46 | Molecular-Scale Ligand Effects in Small Goldâ€“Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436. | 13.7 | 90 |
| 47 | New Insights on the Bonding Properties of BCC-like Au<sub>38</sub>S<sub>2</sub>(SR)<sub>20</sub> Nanoclusters from X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 22776-22782. | 3.1 | 4 |
| 48 | 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 |
| 49 | On the functional role of the cerium oxide support in the Au38(SR)24/CeO2 catalyst for CO oxidation. Catalysis Today, 2017, 280, 239-245. | 4.4 | 39 |
| 50 | A DNA-Encapsulated and Fluorescent Ag<sub>10</sub><sup>6+</sup> Cluster with a Distinct Metal-Like Core. Journal of Physical Chemistry C, 2017, 121, 14936-14945. | 3.1 | 27 |
| 51 | Pd Nanoparticles Coupled to WO<sub>2.72</sub> Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. Nano Letters, 2017, 17, 2727-2731. | 9.1 | 136 |
| 52 | Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. Applied Catalysis B: Environmental, 2017, 203, 820-828. | 20.2 | 80 |
| 53 | Bonding properties of FCC-like Au<sub>44</sub>(SR)<sub>28</sub> clusters from X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2017, 95, 1220-1224. | 1.1 | 7 |
| 54 | Subnanometric Hybrid Pd-M(OH)2, MÂ= Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. CheM, 2017, 3, 477-493. | 11.7 | 212 |

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| 55 | An intrinsic dual-emitting gold thiolate coordination polymer, [Au(+I)(p-SPhCO<sub>2</sub>H)]<sub>n</sub>, for ratiometric temperature sensing. Journal of Materials Chemistry C, 2017, 5, 9843-9848. | 5.5 | 30 |
| 56 | Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. Science Advances, 2017, 3, e1701069. | 10.3 | 211 |
| 57 | Promoting Effect of Ni(OH)<sub>2</sub> on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. Advanced Materials, 2017, 29, 1703057. | 21.0 | 251 |
| 58 | Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO<sub>2</sub> with High Activity and Tailored Selectivity. Advanced Science, 2017, 4, 1700252. | 11.2 | 97 |
| 59 | Amorphous MoS<sub>3</sub> Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodiumâ€Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. Advanced Energy Materials, 2017, 7, 1601602. | 19.5 | 164 |
| 60 | Water as the Key to Protoâ€Aragonite Amorphous CaCO<sub>3</sub>. Angewandte Chemie - International Edition, 2016, 55, 8117-8120. | 13.8 | 78 |
| 61 | Luminescent Gold Nanoparticles with Sizeâ€Independent Emission. Angewandte Chemie - International Edition, 2016, 55, 8894-8898. | 13.8 | 126 |
| 62 | A Segregated, Partially Oxidized, and Compact Ag<sub>10</sub> Cluster within an Encapsulating DNA Host. Journal of the American Chemical Society, 2016, 138, 3469-3477. | 13.7 | 70 |
| 63 | 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 |
| 64 | Photochemical route for synthesizing atomically dispersed palladium catalysts. Science, 2016, 352, 797-800. | 12.6 | 1,540 |
| 65 | Distinct Shortâ€Range Order Is Inherent to Small Amorphous Calcium Carbonate Clusters (<2â€...nm). Angewandte Chemie - International Edition, 2016, 55, 12206-12209. | 13.8 | 47 |
| 66 | Goldâ€"Manganese Oxide Coreâ€"Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. Journal of Physical Chemistry C, 2016, 120, 22635-22645. | 3.1 | 13 |
| 67 | Electroâ€Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. Advanced Functional Materials, 2016, 26, 6402-6417. | 14.9 | 90 |
| 68 | Ultrasmall and phase-pure W2C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. Nature Communications, 2016, 7, 13216. | 12.8 | 334 |
| 69 | X20CoCrWMo10-9//Co<sub>3</sub>O<sub>4</sub>: a metalâ€"ceramic composite with unique efficiency values for water-splitting in the neutral regime. Energy and Environmental Science, 2016, 9, 2609-2622. | 30.8 | 84 |
| 70 | Energy Migration Upconversion in Manganese(II)â€Doped Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 13312-13317. | 13.8 | 64 |
| 71 | Disordered amorphous calcium carbonate from direct precipitation. CrystEngComm, 2015, 17, 4842-4849. | 2.6 | 67 |
| 72 | Impact of Protecting Ligands on Surface Structure and Antibacterial Activity of Silver Nanoparticles. Langmuir, 2015, 31, 3745-3752. | 3.5 | 47 |

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| 73 | 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 |
| 74 | A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. Science Advances, 2015, 1, e1500462. | 10.3 | 719 |
| 75 | 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. Journal of Physical Chemistry C, 2015, 119, 1217-1223. | 3.1 | 32 |
| 76 | Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. Chemistry of Materials, 2015, 27, 5736-5744. | 6.7 | 32 |
| 77 | The surface structure of silver-coated gold nanocrystals and its influence on shape control. Nature Communications, 2015, 6, 7664. | 12.8 | 53 |
| 78 | Correlating the Atomic Structure of Bimetallic Silverâ€“Gold Nanoparticles to Their Antibacterial and Cytotoxic Activities. Journal of Physical Chemistry C, 2015, 119, 7472-7482. | 3.1 | 44 |
| 79 | A highly active, stable and synergistic Pt nanoparticles/Mo2C nanotube catalyst for methanol electro-oxidation. NPG Asia Materials, 2015, 7, e153-e153. | 7.9 | 88 |
| 80 | Structure of Tiopronin-Protected Silver Nanoclusters in a One-Dimensional Assembly. Journal of Physical Chemistry C, 2015, 119, 24627-24635. | 3.1 | 12 |
| 81 | A nanoparticulate polyacetylene-supported Pd(II) catalyst combining the advantages of homogeneous and heterogeneous catalysts. Chinese Journal of Catalysis, 2015, 36, 1560-1572. | 14.0 | 8 |
| 82 | Bonding properties of thiolate-protected gold nanoclusters and structural analogs from X-ray absorption spectroscopy. Nanotechnology Reviews, 2015, 4, 193-206. | 5.8 | 30 |
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| 85 | A site-specific comparative study of Au102 and Au25 nanoclusters using theoretical EXAFS and l-DOS. Canadian Journal of Chemistry, 2015, 93, 32-36. | 1.1 | 2 |
| 86 | Surface Reconstruction and Reactivity of Platinumâ€“Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 28861-28867. | 3.1 | 5 |
| 87 | Identification of a Highly Luminescent Au<sub>22</sub>(SG)<sub>18</sub> Nanocluster. Journal of the American Chemical Society, 2014, 136, 1246-1249. | 13.7 | 490 |
| 88 | Enhancing multiphoton upconversion through energy clustering at sublattice level. Nature Materials, 2014, 13, 157-162. | 27.5 | 528 |
| 89 | Highly efficient, NiAu-catalyzed hydrogenolysis of lignin into phenolic chemicals. Green Chemistry, 2014, 16, 2432-2437. | 9.0 | 239 |
| 90 | 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 |

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| 91 | X-ray Spectroscopy of Goldâ€"Thiolate Nanoclusters. Journal of Physical Chemistry C, 2014, 118, 25291-25299. | 3.1 | 138 |
| 92 | 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 |
| 93 | Feâ€"N bonding in a carbon nanotubeâ€"graphene complex for oxygen reduction: an XAS study. Physical Chemistry Chemical Physics, 2014, 16, 15787. | 2.8 | 84 |
| 94 | Interfacial Effects in Iron-Nickel Hydroxideâ€"Platinum Nanoparticles Enhance Catalytic Oxidation. Science, 2014, 344, 495-499. | 12.6 | 591 |
| 95 | 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. Journal of Physical Chemistry C, 2013, 117, 21254-21262. | 3.1 | 67 |
| 96 | 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 |
| 97 | Germanate with Three-Dimensional 12 Ã— 12 Ã— 11-Ring Channels Solved by X-ray Powder Diffraction with Charge-Flipping Algorithm. Inorganic Chemistry, 2013, 52, 10238-10244. | 4.0 | 9 |
| 98 | 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 |
| 99 | Peptide-Directed Preparation and X-ray Structural Study of Au Nanoparticles on Titanium Surfaces. Langmuir, 2013, 29, 4894-4900. | 3.5 | 2 |
| 100 | Local Structure, Electronic Behavior, and Electrocatalytic Reactivity of CO-Reduced Platinumâ€"Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 26324-26333. | 3.1 | 40 |
| 101 | A Comparative XAFS Study of Gold-thiolate Nanoparticles and Nanoclusters. Journal of Physics: Conference Series, 2013, 430, 012029. | 0.4 | 8 |
| 102 | Properties and applications of protein-stabilized fluorescent gold nanoclusters: short review. Journal of Nanophotonics, 2012, 6, 064504. | 1.0 | 147 |
| 103 | Sensitivity of Structural and Electronic Properties of Goldâ€"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>. Journal of Physical Chemistry C, 2012, 116, 25137-25142. | 3.1 | 34 |
| 104 | Dopant Location, Local Structure, and Electronic Properties of Au<sub>24</sub>Pt(SR)<sub>18</sub> Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 26932-26937. | 3.1 | 105 |
| 105 | Surface Structure of Organosulfur Stabilized Silver Nanoparticles Studied with X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 23094-23101. | 3.1 | 38 |
| 106 | Biomolecule-Coated Metal Nanoparticles on Titanium. Langmuir, 2012, 28, 2979-2985. | 3.5 | 11 |
| 107 | Local structure of fluorescent platinum nanoclusters. Nanoscale, 2012, 4, 4199. | 5.6 | 40 |
| 108 | The Structure and Bonding of Au<sub>25</sub>(SR)<sub>18</sub> Nanoclusters from EXAFS: The Interplay of Metallic and Molecular Behavior. Journal of Physical Chemistry C, 2011, 115, 15282-15287. | 3.1 | 114 |

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| 109 | 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 |
| 110 | Kinetic Control and Thermodynamic Selection in the Synthesis of Atomically Precise Gold Nanoclusters. Journal of the American Chemical Society, 2011, 133, 9670-9673. | 13.7 | 209 |
| 111 | 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 |
| 112 | Gold nanoparticles on titanium and interaction with prototype protein. Journal of Biomedical Materials Research - Part A, 2010, 95A, 146-155. | 4.0 | 16 |
| 113 | Tailoring the local structure and electronic property of AuPd nanoparticles by selecting capping molecules. Applied Physics Letters, 2010, 96, 043105. | 3.3 | 19 |
| 114 | Site-Specific and Size-Dependent Bonding of Compositionally Precise Goldâˆ’Thiolate Nanoparticles from X-ray Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 1821-1825. | 4.6 | 86 |
| 115 | Ultrathin Bi<sub>2</sub>S<sub>3</sub> Nanowires: Surface and Core Structure at the Cluster-Nanocrystal Transition. Journal of the American Chemical Society, 2010, 132, 9058-9068. | 13.7 | 61 |
| 116 | X-ray absorption spectroscopy studies of local structure and electronic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Na</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub xmlns:mml="http://www.w3.org/1998/Math/MathML" | | |

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| 127 | X-Ray Studies of the Structure and Electronic Behavior of Alkanethiolate-Capped Gold Nanoparticles: The Interplay of Size and Surface Effects. Physical Review Letters, 2003, 90, 245502. | 7.8 | 351 |
| 128 | Electrochemical route for the fabrication of alkanethiolate-capped gold nanoparticles. Applied Physics Letters, 2003, 82, 1470-1472. | 3.3 | 14 |
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| 130 | Tuning the electronic behavior of Au nanoparticles with capping molecules. Applied Physics Letters, 2002, 81, 736-738. | 3.3 | 165 |
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| 132 | 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 |
| 133 | Nanostructured CdS prepared on porous silicon substrate: Structure, electronic, and optical properties. Journal of Applied Physics, 2002, 91, 6038-6043. | 2.5 | 32 |
| 134 | Ag Nanostructures on a Silicon Nanowire Template:Â Preparation and X-ray Absorption Fine Structure Study at the Si K-edge and Ag L3,2-edge. Chemistry of Materials, 2002, 14, 2519-2526. | 6.7 | 22 |
| 135 | X-ray absorption fine structure and electron energy loss spectroscopy study of silicon nanowires at the Siâ€ŠL3,2 edge. Journal of Applied Physics, 2001, 90, 6379-6383. | 2.5 | 25 |
| 136 | X-ray Excited Optical Luminescence Studies of Tris-(2,2â€˜-bipyridine)ruthenium(II) at the C, N K-edge and Ru L3,2-edge. Journal of the American Chemical Society, 2001, 123, 8870-8871. | 13.7 | 21 |
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| 139 | Soft x-ray-excited luminescence and optical x-ray absorption fine structures of tris (8-hydroxyquinoline) aluminum. Applied Physics Letters, 2001, 78, 1847-1849. | 3.3 | 16 |
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| 141 | Semiconductor Growth and Junction Formation within Nano-Porous Oxides. Physica Status Solidi A, 2000, 182, 157-162. | 1.7 | 24 |
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| 143 | Surface photovoltage behavior of porous silicon modified with SO4 specimens. Materials Chemistry and Physics, 2000, 63, 167-169. | 4.0 | 1 |
| 144 | Influence of sample oxidation on the nature of optical luminescence from porous silicon. Applied Physics Letters, 2000, 77, 498-500. | 3.3 | 28 |

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| 146 | 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 |
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| 148 | Modification of surface morphology and optoelectronic response in porous Si films by electrochemical methods. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1997, 15, 1604. | 1.6 | 3 |
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| 151 | Trilayer Composite Poly(styrene/butyl acrylate/acrylic acid) Terpolymer Microspheres with Fe2O3 Middle Layer: Synthesis and Characterization. Polymer International, 1997, 43, 274-280. | 3.1 | 5 |
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