Peng Zhang

List of Publications by Year
in descending order

152 papers	13,405 citations	28242 55 h-index	22147 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. Science, 2016, 352, 797-800.	6.0	1,540
2	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. Science Advances, 2015, 1, e1500462.	4.7	719
3	Interfacial Effects in Iron-Nickel Hydroxideâ€“Platinum Nanoparticles Enhance Catalytic Oxidation. Science, 2014, 344, 495-499.	6.0	591
4	Enhancing multiphoton upconversion through energy clustering at sublattice level. Nature Materials, 2014, 13, 157-162.	13.3	528
5	Identification of a Highly Luminescent Au₂₂(SG)₁₈ Nanocluster. Journal of the American Chemical Society, 2014, 136, 1246-1249.	6.6	490
6	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinumâ€“nickel hydroxideâ€“graphene. Nature Communications, 2015, 6, 10035.	5.8	466
7	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. Nature Communications, 2019, 10, 631.	5.8	423
8	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.	2.9	351
9	Ultrasmall and phase-pure W2C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. Nature Communications, 2016, 7, 13216.	5.8	334
10	Fe Stabilization by Intermetallic L1₀-FePt and Pt Catalysis Enhancement in L1₀-FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. Journal of the American Chemical Society, 2018, 140, 2926-2932.	6.6	312
11	Golden single-atomic-site platinum electrocatalysts. Nature Materials, 2018, 17, 1033-1039.	13.3	266
12	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. Science Advances, 2020, 6, eaba6586.	4.7	263
13	Promoting Effect of Ni(OH)₂ on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. Advanced Materials, 2017, 29, 1703057.	11.1	251
14	Highly efficient, NiAu-catalyzed hydrogenolysis of lignin into phenolic chemicals. Green Chemistry, 2014, 16, 2432-2437.	4.6	239
15	Single-atom alloy catalysts: structural analysis, electronic properties and catalytic activities. Chemical Society Reviews, 2021, 50, 569-588.	18.7	220
16	Subnanometric Hybrid Pd-M(OH)2, MÂ= Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. CheM, 2017, 3, 477-493.	5.8	212
17	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. Science Advances, 2017, 3, e1701069.	4.7	211
18	Kinetic Control and Thermodynamic Selection in the Synthesis of Atomically Precise Gold Nanoclusters. Journal of the American Chemical Society, 2011, 133, 9670-9673.	6.6	209

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19	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. Nature Communications, 2019, 10, 1330.	5.8	177
20	Tuning the electronic behavior of Au nanoparticles with capping molecules. Applied Physics Letters, 2002, 81, 736-738.	1.5	165
21	Amorphous MoS₃ 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.	10.2	164
22	Computationally aided, entropy-driven synthesis of highly efficient and durable multi-elemental alloy catalysts. Science Advances, 2020, 6, eaaz0510.	4.7	158
23	Collective excitation of plasmon-coupled Au-nanochain boosts photocatalytic hydrogen evolution of semiconductor. Nature Communications, 2019, 10, 4912.	5.8	157
24	Properties and applications of protein-stabilized fluorescent gold nanoclusters: short review. Journal of Nanophotonics, 2012, 6, 064504.	0.4	147
25	X-ray Spectroscopy of Goldâ€“Thiolate Nanoclusters. Journal of Physical Chemistry C, 2014, 118, 25291-25299.	1.5	138
26	Pd Nanoparticles Coupled to WO_{2.72} Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. Nano Letters, 2017, 17, 2727-2731.	4.5	136
27	Luminescent Gold Nanoparticles with Sizeâ€Independent Emission. Angewandte Chemie - International Edition, 2016, 55, 8894-8898.	7.2	126
28	Alloy-structure-dependent electronic behavior and surface properties of Auâ€“Pd nanoparticles. Chemical Physics Letters, 2008, 461, 254-259.	1.2	122
29	The Structure and Bonding of Au₂₅(SR)₁₈ Nanoclusters from EXAFS: The Interplay of Metallic and Molecular Behavior. Journal of Physical Chemistry C, 2011, 115, 15282-15287.	1.5	114
30	Dopant Location, Local Structure, and Electronic Properties of Au₂₄Pt(SR)₁₈ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 26932-26937.	1.5	105
31	Extreme mixing in nanoscale transition metal alloys. Matter, 2021, 4, 2340-2353.	5.0	102
32	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO₂ with High Activity and Tailored Selectivity. Advanced Science, 2017, 4, 1700252.	5.6	97
33	Tailoring Surface Frustrated Lewis Pairs of In₂O_{3âˆ’}<i>_x</i>(OH)_y for Gasâ€Phase Heterogeneous Photocatalytic Reduction of CO₂ by Isomorphous Substitution of In³⁺ with Bi³⁺. Advanced Science, 2018, 5, 1700732.	5.6	91
34	Electroâ€Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. Advanced Functional Materials, 2016, 26, 6402-6417.	7.8	90
35	Molecular-Scale Ligand Effects in Small Goldâ€“Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436.	6.6	90
36	A highly active, stable and synergistic Pt nanoparticles/Mo2C nanotube catalyst for methanol electro-oxidation. NPG Asia Materials, 2015, 7, e153-e153.	3.8	88

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37	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.	2.1	86
38	Feâ€“N bonding in a carbon nanotubeâ€“graphene complex for oxygen reduction: an XAS study. Physical Chemistry Chemical Physics, 2014, 16, 15787.	1.3	84
39	X20CoCrWMo10-9//Co₃O₄: a metalâ€“ceramic composite with unique efficiency values for water-splitting in the neutral regime. Energy and Environmental Science, 2016, 9, 2609-2622.	15.6	84
40	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. Applied Catalysis B: Environmental, 2017, 203, 820-828.	10.8	80
41	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.	4.3	80
42	Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 355-363.	5.5	79
43	Water as the Key to Protoâ€Aragonite Amorphous CaCO₃. Angewandte Chemie - International Edition, 2016, 55, 8117-8120.	7.2	78
44	Structural and electronic properties of protein/thiolate-protected gold nanocluster with â€œstapleâ€• motif: A XAS, L-DOS, and XPS study. Journal of Chemical Physics, 2009, 131, 214703.	1.2	77
45	Structure and formation of highly luminescent protein-stabilized gold clusters. Chemical Science, 2018, 9, 2782-2790.	3.7	76
46	Anisotropic Strain Tuning of L1₀ Ternary Nanoparticles for Oxygen Reduction. Journal of the American Chemical Society, 2020, 142, 19209-19216.	6.6	76
47	Electron donation of non-oxide supports boosts O2 activation on nano-platinum catalysts. Nature Communications, 2021, 12, 2741.	5.8	72
48	A Segregated, Partially Oxidized, and Compact Ag₁₀ Cluster within an Encapsulating DNA Host. Journal of the American Chemical Society, 2016, 138, 3469-3477.	6.6	70
49	Size Effects of Platinum Colloid Particles on the Structure and CO Oxidation Properties of Supported Pt/Fe₂O₃ Catalysts. Journal of Physical Chemistry C, 2013, 117, 21254-21262.	1.5	67
50	Disordered amorphous calcium carbonate from direct precipitation. CrystEngComm, 2015, 17, 4842-4849.	1.3	67
51	Singleâ€Atom Catalysts Supported by Crystalline Porous Materials: Views from the Inside. Advanced Materials, 2020, 32, e2002910.	11.1	65
52	Energy Migration Upconversion in Manganese(II)â€Doped Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 13312-13317.	7.2	64
53	Ultrathin Bi₂S₃ Nanowires: Surface and Core Structure at the Cluster-Nanocrystal Transition. Journal of the American Chemical Society, 2010, 132, 9058-9068.	6.6	61
54	Amorphous carbon nanowires investigated by near-edge-x-ray-absorption-fine-structures. Applied Physics Letters, 2001, 79, 3773-3775.	1.5	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.	10.8	59
56	Bottom-up growth of homogeneous MoirÃ© superlattices in bismuth oxychloride spiral nanosheets. Nature Communications, 2019, 10, 4472.	5.8	59
57	Solution-Phase Structure and Bonding of Au₃₈(SR)₂₄ Nanoclusters from X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 65-69.	1.5	56
58	The surface structure of silver-coated gold nanocrystals and its influence on shape control. Nature Communications, 2015, 6, 7664.	5.8	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.	1.5	51
60	Tunable Bifunctional Activity of Mn_{<i>x</i>}Co_{3âˆ’<i>x</i>}O₄ Nanocrystals Decorated on Carbon Nanotubes for Oxygen Electrocatalysis. ChemSusChem, 2018, 11, 1295-1304.	3.6	50
61	Multi-principal elemental intermetallic nanoparticles synthesized via a disorder-to-order transition. Science Advances, 2022, 8, eabm4322.	4.7	49
62	Impact of Protecting Ligands on Surface Structure and Antibacterial Activity of Silver Nanoparticles. Langmuir, 2015, 31, 3745-3752.	1.6	47
63	Distinct Shortâ€Range Order Is Inherent to Small Amorphous Calcium Carbonate Clusters (<2â€…nm). Angewandte Chemie - International Edition, 2016, 55, 12206-12209.	7.2	47
64	Temperature-Dependent Structure and Electrochemical Behavior of RuO₂/Carbon Nanocomposites. Journal of Physical Chemistry C, 2011, 115, 19117-19128.	1.5	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.	3.2	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.	2.5	45
67	Correlating the Atomic Structure of Bimetallic Silverâ€"Gold Nanoparticles to Their Antibacterial and Cytotoxic Activities. Journal of Physical Chemistry C, 2015, 119, 7472-7482.	1.5	44
68	Unique Bonding Properties of the Au₃₆(SR)₂₄ Nanocluster with FCC-Like Core. Journal of Physical Chemistry Letters, 2013, 4, 3186-3191.	2.1	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.	4.0	42
70	Local structure of fluorescent platinum nanoclusters. Nanoscale, 2012, 4, 4199.	2.8	40
71	Local Structure, Electronic Behavior, and Electrocatalytic Reactivity of CO-Reduced Platinumâ€"Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 26324-26333.	1.5	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.	6.6	40

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73	Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. Inorganic Chemistry, 2020, 59, 13201-13210.	1.9	40
74	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.	2.2	39
75	Photovoltaic Properties of Polymer/Fe2O3/Polymer Heterostructured Microspheres. Journal of Physical Chemistry B, 1998, 102, 2329-2332.	1.2	38
76	Organosulfur-Functionalized Au, Pd, and Auâˆ'Pd Nanoparticles on 1D Silicon Nanowire Substrates:Â Preparation and XAFS Studies. Langmuir, 2005, 21, 8502-8508.	1.6	38
77	Surface Structure of Organosulfur Stabilized Silver Nanoparticles Studied with X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 23094-23101.	1.5	38
78	W-Doped TiO₂ for photothermocatalytic CO₂ reduction. Nanoscale, 2020, 12, 17245-17252.	2.8	37
79	Short-Range Structure of Amorphous Calcium Hydrogen Phosphate. Crystal Growth and Design, 2019, 19, 3030-3038.	1.4	35
80	Sensitivity of Structural and Electronic Properties of Goldâ€"Thiolate Nanoclusters to the Atomic Composition: A Comparative X-ray Study of Au₁₉(SR)₁₃ and Au₂₅(SR)₁₈. Journal of Physical Chemistry C, 2012, 116, 25137-25142.	1.5	34
81	Reversible Control of Chemoselectivity in Au₃₈(SR)₂₄ Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. Journal of Physical Chemistry Letters, 2018, 9, 7173-7179.	2.1	34
82	Nanostructured CdS prepared on porous silicon substrate: Structure, electronic, and optical properties. Journal of Applied Physics, 2002, 91, 6038-6043.	1.1	32
83	Role of Au₄ Units on the Electronic and Bonding Properties of Au₂₈(SR)₂₀ Nanoclusters from X-ray Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 1217-1223.	1.5	32
84	Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. Chemistry of Materials, 2015, 27, 5736-5744.	3.2	32
85	X-ray spectroscopy studies on the surface structural characteristics and electronic properties of platinum nanoparticles. Journal of Chemical Physics, 2009, 131, 244716.	1.2	31
86	Bonding properties of thiolate-protected gold nanoclusters and structural analogs from X-ray absorption spectroscopy. Nanotechnology Reviews, 2015, 4, 193-206.	2.6	30
87	An intrinsic dual-emitting gold thiolate coordination polymer, [Au(+I)(p-SPhCO₂H)]_n, for ratiometric temperature sensing. Journal of Materials Chemistry C, 2017, 5, 9843-9848.	2.7	30
88	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.	1.5	30
89	Titanosilicate zeolite precursors for highly efficient oxidation reactions. Chemical Science, 2020, 11, 12341-12349.	3.7	29
90	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.	2.1	29

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91	High CO-Tolerant Ru-Based Catalysts by Constructing an Oxide Blocking Layer. Journal of the American Chemical Society, 2022, 144, 9292-9301.	6.6	29
92	X-ray excited optical luminescence (XEOL): a potential tool for OELD studies. Thin Solid Films, 2000, 363, 318-321.	0.8	28
93	Influence of sample oxidation on the nature of optical luminescence from porous silicon. Applied Physics Letters, 2000, 77, 498-500.	1.5	28
94	A DNA-Encapsulated and Fluorescent Ag₁₀⁶⁺ Cluster with a Distinct Metal-Like Core. Journal of Physical Chemistry C, 2017, 121, 14936-14945.	1.5	27
95	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.	1.1	25
96	Surface structural characteristics and tunable electronic properties of wet-chemically prepared Pd nanoparticles. Journal of Chemical Physics, 2008, 128, 154705.	1.2	25
97	Electrochemical deposition and photovoltaic properties of Nano-Fe2O3-incorporated polypyrrole films. Synthetic Metals, 1997, 84, 165-166.	2.1	24
98	Semiconductor Growth and Junction Formation within Nano-Porous Oxides. Physica Status Solidi A, 2000, 182, 157-162.	1.7	24
99	Fabrication of thiol-capped Pd nanoparticles: An electrochemical method. Applied Physics Letters, 2003, 82, 1778-1780.	1.5	23
100	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.	3.2	22
101	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.	6.6	21
102	Tailoring the local structure and electronic property of AuPd nanoparticles by selecting capping molecules. Applied Physics Letters, 2010, 96, 043105.	1.5	19
103	Multichannel detection x-ray absorption near edge structures study on the structural characteristics of dendrimer-stabilized CdS quantum dots. Journal of Applied Physics, 2001, 90, 2755-2759.	1.1	18
104	Electronic structure of molecular-capped gold nanoparticles from X-ray spectroscopy studies: Implications for coulomb blockade, luminescence and non-Fermi behavior. Solid State Communications, 2006, 138, 553-557.	0.9	18
105	Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. Research, 2020, 2020, 9167829.	2.8	18
106	Soft x-ray excited optical luminescence: Some recent applications. Review of Scientific Instruments, 2002, 73, 1379-1381.	0.6	17
107	Versatile Ligand-Exchange Method for the Synthesis of Water-Soluble Monodisperse AuAg Nanoclusters for Cancer Therapy. ACS Applied Nano Materials, 2018, 1, 6773-6781.	2.4	17
108	Soft x-ray-excited luminescence and optical x-ray absorption fine structures of tris (8-hydroxyquinoline) aluminum. Applied Physics Letters, 2001, 78, 1847-1849.	1.5	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.	2.1	16
110	Electrochemical route for the fabrication of alkanethiolate-capped gold nanoparticles. Applied Physics Letters, 2003, 82, 1470-1472.	1.5	14
111	Impact of the Selenolate Ligand on the Bonding Behavior of Au₂₅ Nanoclusters. Journal of Physical Chemistry C, 2014, 118, 21730-21737.	1.5	14
112	X-ray Spectroscopy of Silver Nanostructures toward Antibacterial Applications. Journal of Physical Chemistry C, 2020, 124, 4339-4351.	1.5	14
113	Interactions between Ultrastable Na₄Ag₄₄(SR)₃₀ Nanoclusters and Coordinating Solvents: Uncovering the Atomic-Scale Mechanism. ACS Nano, 2020, 14, 8433-8441.	7.3	14
114	Goldâ€“Manganese Oxide Coreâ€“Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. Journal of Physical Chemistry C, 2016, 120, 22635-22645.	1.5	13
115	Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. Research, 2021, 2021, 6047971.	2.8	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.	1.5	12
117	Structure of Tiopronin-Protected Silver Nanoclusters in a One-Dimensional Assembly. Journal of Physical Chemistry C, 2015, 119, 24627-24635.	1.5	12
118	Biomolecule-Coated Metal Nanoparticles on Titanium. Langmuir, 2012, 28, 2979-2985.	1.6	11
119	Self-Assembly and Chemical Reactivity of Alkenes on Platinum Nanoparticles. Langmuir, 2015, 31, 522-528.	1.6	11
120	Thiolateâ€Protected Singleâ€Atom Alloy Nanoclusters: Correlation between Electronic Properties and Catalytic Activities. Advanced Materials Interfaces, 2021, 8, 2001342.	1.9	10
121	In situ Xâ€ray Absorption Spectroscopy of Platinum Electrocatalysts. Chemistry Methods, 2021, 1, 162-172.	1.8	10
122	Zhang and Sham Reply:. Physical Review Letters, 2004, 92, .	2.9	9
123	Structural control of Au and Auâ€“Pd nanoparticles by selecting capping ligands with varied electronic and steric effects. Canadian Journal of Chemistry, 2009, 87, 1641-1649.	0.6	9
124	Chemical synthesis and structural studies of thiol-capped gold nanoparticles. Canadian Journal of Chemistry, 2009, 87, 335-340.	0.6	9
125	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.	1.9	9
126	Thiolate-Protected Bimetallic Nanoclusters: Understanding the Relationship between Electronic and Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 257-275.	2.1	9

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127	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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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.	0.6	3
146	Reductive Deposition of Rh Nanostructures on n-Type Porous Silicon:Â X-ray Absorption and X-ray Excited Optical Luminescence Studies. Langmuir, 2004, 20, 4690-4695.	1.6	2
147	Peptide-Directed Preparation and X-ray Structural Study of Au Nanoparticles on Titanium Surfaces. Langmuir, 2013, 29, 4894-4900.	1.6	2
148	A site-specific comparative study of Au102 and Au25 nanoclusters using theoretical EXAFS and l-DOS. Canadian Journal of Chemistry, 2015, 93, 32-36.	0.6	2
149	Surface photovoltage behavior of porous silicon modified with SO4 specimens. Materials Chemistry and Physics, 2000, 63, 167-169.	2.0	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.	0.8	0
152	A large library for tiny catalysts. Nature Materials, 0, , .	13.3	0