Peng Zhang

List of Publications by Year in Descending Order

150 papers	9,880 citations	50 h-index	97 g-index
155 ext. papers	11,617 ext. citations	9.2 avg, IF	6.39 L-index

#	Paper	IF	Citations
150	Multi-principal elemental intermetallic nanoparticles synthesized via a disorder-to-order transition.. *Science Advances*, **2022**, 8, eabm4322	14.3	5
149	Ultrafast Preparation of Nonequilibrium FeNi Spinels by Magnetic Induction Heating for Unprecedented Oxygen Evolution Electrocatalysis. *Research*, **2022**, 2022, 1-13	7.8	1
148	Electron donation of non-oxide supports boosts O activation on nano-platinum catalysts. *Nature Communications*, **2021**, 12, 2741	17.4	19
147	Extreme mixing in nanoscale transition metal alloys. *Matter*, **2021**, 4, 2340-2353	12.7	30
146	Thiolate-Protected Single-Atom Alloy Nanoclusters: Correlation between Electronic Properties and Catalytic Activities. *Advanced Materials Interfaces*, **2021**, 8, 2001342	4.6	5
145	Single-atom alloy catalysts: structural analysis, electronic properties and catalytic activities. *Chemical Society Reviews*, **2021**, 50, 569-588	58.5	71
144	Thiolate-Protected Bimetallic Nanoclusters: Understanding the Relationship between Electronic and Catalytic Properties. *Journal of Physical Chemistry Letters*, **2021**, 12, 257-275	6.4	3
143	Structurally Disordered Phosphorus-Doped Pt as a Highly Active Electrocatalyst for an Oxygen Reduction Reaction. *ACS Catalysis*, **2021**, 11, 355-363	13.1	25
142	Site-Specific Electronic Properties of [Ag (SR)] Nanoclusters by X-Ray Spectroscopy. *Small*, **2021**, 17, e2005162	11	1
141	Interplay between Perovskite Magic-Sized Clusters and Amino Lead Halide Molecular Clusters. *Research*, **2021**, 2021, 6047971	7.8	8
140	Dynamic Structure of Metal Nanoclusters from Synchrotron X-ray Spectroscopy. *Journal of Physical Chemistry C*, **2021**, 125, 5982-5994	3.8	0
139	In situ X-ray Absorption Spectroscopy of Platinum Electrocatalysts. *Chemistry Methods*, **2021**, 1, 162-172		2
138	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. *Science Advances*, **2020**, 6, eaba6586	14.3	123
137	Interactions between Ultrastable NaAg(SR) Nanoclusters and Coordinating Solvents: Uncovering the Atomic-Scale Mechanism. *ACS Nano*, **2020**, 14, 8433-8441	16.7	9
136	Computationally aided, entropy-driven synthesis of highly efficient and durable multi-elemental alloy catalysts. *Science Advances*, **2020**, 6, eaaz0510	14.3	60
135	Single-Atom Catalysts Supported by Crystalline Porous Materials: Views from the Inside. *Advanced Materials*, **2020**, 32, e2002910	24	22
134	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	6.4	16

133	Oxygen Reduction Reaction Catalyzed by Carbon-Supported Platinum Few-Atom Clusters: Significant Enhancement by Doping of Atomic Cobalt. *Research*, **2020**, 2020, 9167829	7.8	8
132	X-ray Spectroscopy of Silver Nanostructures toward Antibacterial Applications. *Journal of Physical Chemistry C*, **2020**, 124, 4339-4351	3.8	12
131	W-Doped TiO for photothermocatalytic CO reduction. *Nanoscale*, **2020**, 12, 17245-17252	7.7	15
130	Anisotropic Strain Tuning of L1 Ternary Nanoparticles for Oxygen Reduction. *Journal of the American Chemical Society*, **2020**, 142, 19209-19216	16.4	32
129	Titanosilicate zeolite precursors for highly efficient oxidation reactions. *Chemical Science*, **2020**, 11, 12341-12349	9.4	13
128	Controlling the Morphology and Titanium Coordination States of TS-1 Zeolites by Crystal Growth Modifier. *Inorganic Chemistry*, **2020**, 59, 13201-13210	5.1	15
127	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	9.5	16
126	Bottom-up growth of homogeneous Moir superlattices in bismuth oxychloride spiral nanosheets. *Nature Communications*, **2019**, 10, 4472	17.4	31
125	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. *Nature Communications*, **2019**, 10, 1330	17.4	111
124	Short-Range Structure of Amorphous Calcium Hydrogen Phosphate. *Crystal Growth and Design*, **2019**, 19, 3030-3038	3.5	21
123	Luminescent Au(I) thiolate Complexes through Aggregation-Induced Emission: The Effect of pH during and Post Synthesis. *Journal of Physical Chemistry C*, **2019**, 123, 6010-6017	3.8	21
122	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. *Nature Communications*, **2019**, 10, 631	17.4	260
121	PdAu Alloy Nanoparticles for Ethanol Oxidation in Alkaline Conditions: Enhanced Activity and C1 Pathway Selectivity. *ACS Applied Energy Materials*, **2019**, 2, 8701-8706	6.1	22
120	Collective excitation of plasmon-coupled Au-nanochain boosts photocatalytic hydrogen evolution of semiconductor. *Nature Communications*, **2019**, 10, 4912	17.4	80
119	Acetylene-Mediated Synthesis of Supported Pt Nanocatalyst for Selective Hydrogenation of Halonitrobenzene. *ChemNanoMat*, **2018**, 4, 518-523	3.5	1
118	Structure and formation of highly luminescent protein-stabilized gold clusters. *Chemical Science*, **2018**, 9, 2782-2790	9.4	57
117	Fe Stabilization by Intermetallic L1-FePt and Pt Catalysis Enhancement in L1-FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. *Journal of the American Chemical Society*, **2018**, 140, 2926-2932	16.4	196
116	Tunable Bifunctional Activity of Mn Co O Nanocrystals Decorated on Carbon Nanotubes for Oxygen Electrocatalysis. *ChemSusChem*, **2018**, 11, 1295-1304	8.3	39

115	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	10.6	54
114	Tailoring Surface Frustrated Lewis Pairs of InO (OH) for Gas-Phase Heterogeneous Photocatalytic Reduction of CO by Isomorphous Substitution of In with Bi. *Advanced Science*, **2018**, 5, 1700732	13.6	60
113	Towards enhancing photocatalytic hydrogen generation: Which is more important, alloy synergistic effect or plasmonic effect?. *Applied Catalysis B: Environmental*, **2018**, 221, 77-85	21.8	49
112	Core Geometry Effect on the Bonding Properties of Gold□thiolate Nanoclusters: The Case of Hexagonal-Close-Packed Au30(SR)18. *Journal of Physical Chemistry C*, **2018**, 122, 23414-23419	3.8	5
111	MnO2/Fe2O3 Nanocomposite Sorbent for Gas Capture. *ACS Applied Nano Materials*, **2018**, 1, 6674-6682	5.6	2
110	Sensitive X-ray Absorption Near Edge Structure Analysis on the Bonding Properties of Au(SR) Nanoclusters. *ACS Omega*, **2018**, 3, 14981-14985	3.9	5
109	Versatile Ligand-Exchange Method for the Synthesis of Water-Soluble Monodisperse AuAg Nanoclusters for Cancer Therapy. *ACS Applied Nano Materials*, **2018**, 1, 6773-6781	5.6	15
108	Reversible Control of Chemoselectivity in Au(SR) Nanocluster-Catalyzed Transfer Hydrogenation of Nitrobenzaldehyde Derivatives. *Journal of Physical Chemistry Letters*, **2018**, 9, 7173-7179	6.4	21
107	Golden single-atomic-site platinum electrocatalysts. *Nature Materials*, **2018**, 17, 1033-1039	27	177
106	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. *Journal of the American Chemical Society*, **2018**, 140, 15430-15436	16.4	56
105	New Insights on the Bonding Properties of BCC-like Au38S2(SR)20 Nanoclusters from X-ray Absorption Spectroscopy. *Journal of Physical Chemistry C*, **2018**, 122, 22776-22782	3.8	3
104	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	0.9	2
103	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	5.3	32
102	A DNA-Encapsulated and Fluorescent Ag106+ Cluster with a Distinct Metal-Like Core. *Journal of Physical Chemistry C*, **2017**, 121, 14936-14945	3.8	20
101	Pd Nanoparticles Coupled to WO Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. *Nano Letters*, **2017**, 17, 2727-2731	11.5	113
100	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. *Applied Catalysis B: Environmental*, **2017**, 203, 820-828	21.8	64
99	Bonding properties of FCC-like Au44(SR)28 clusters from X-ray absorption spectroscopy. *Canadian Journal of Chemistry*, **2017**, 95, 1220-1224	0.9	5
98	Subnanometric Hybrid Pd-M(OH)2, M´= Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. *CheM*, **2017**, 3, 477-493	16.2	148

97	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	7.1	20
96	Ultrastable atomic copper nanosheets for selective electrochemical reduction of carbon dioxide. *Science Advances*, **2017**, 3, e1701069	14.3	153
95	Promoting Effect of Ni(OH) on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. *Advanced Materials*, **2017**, 29, 1703057	24	169
94	Photothermal Catalyst Engineering: Hydrogenation of Gaseous CO with High Activity and Tailored Selectivity. *Advanced Science*, **2017**, 4, 1700252	13.6	59
93	Amorphous MoS3 Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodium-Ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. *Advanced Energy Materials*, **2017**, 7, 1601602	21.8	119
92	Electro-Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. *Advanced Functional Materials*, **2016**, 26, 6402-6417	15.6	67
91	Ultrasmall and phase-pure WC nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. *Nature Communications*, **2016**, 7, 13216	17.4	265
90	X20CoCrWMo10-9//Co3O4: a metal–ceramic composite with unique efficiency values for water-splitting in the neutral regime. *Energy and Environmental Science*, **2016**, 9, 2609-2622	35.4	66
89	Water as the Key to Proto-Aragonite Amorphous CaCO3. *Angewandte Chemie - International Edition*, **2016**, 55, 8117-20	16.4	63
88	Luminescent Gold Nanoparticles with Size-Independent Emission. *Angewandte Chemie - International Edition*, **2016**, 55, 8894-8	16.4	89
87	A Segregated, Partially Oxidized, and Compact Ag10 Cluster within an Encapsulating DNA Host. *Journal of the American Chemical Society*, **2016**, 138, 3469-77	16.4	58
86	Cation Exchange of Anisotropic-Shaped Magnetite Nanoparticles Generates High-Relaxivity Contrast Agents for Liver Tumor Imaging. *Chemistry of Materials*, **2016**, 28, 3497-3506	9.6	35
85	Photochemical route for synthesizing atomically dispersed palladium catalysts. *Science*, **2016**, 352, 797-801	35.3	1141
84	Distinct Short-Range Order Is Inherent to Small Amorphous Calcium Carbonate Clusters (. *Angewandte Chemie - International Edition*, **2016**, 55, 12206-9	16.4	31
83	Gold–Manganese Oxide Core–Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. *Journal of Physical Chemistry C*, **2016**, 120, 22635-22645	3.8	11
82	Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. *Chemistry of Materials*, **2015**, 27, 5736-5744	9.6	23
81	The surface structure of silver-coated gold nanocrystals and its influence on shape control. *Nature Communications*, **2015**, 6, 7664	17.4	50
80	Correlating the Atomic Structure of Bimetallic Silver–Gold Nanoparticles to Their Antibacterial and Cytotoxic Activities. *Journal of Physical Chemistry C*, **2015**, 119, 7472-7482	3.8	34

79	A highly active, stable and synergistic Pt nanoparticles/Mo2C nanotube catalyst for methanol electro-oxidation. *NPG Asia Materials*, **2015**, 7, e153-e153	10.3	71
78	Structure of Tiopronin-Protected Silver Nanoclusters in a One-Dimensional Assembly. *Journal of Physical Chemistry C*, **2015**, 119, 24627-24635	3.8	11
77	A nanoparticulate polyacetylene-supported Pd(II) catalyst combining the advantages of homogeneous and heterogeneous catalysts. *Chinese Journal of Catalysis*, **2015**, 36, 1560-1572	11.3	6
76	Bonding properties of thiolate-protected gold nanoclusters and structural analogs from X-ray absorption spectroscopy. *Nanotechnology Reviews*, **2015**, 4,	6.3	26
75	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinum-nickel hydroxide-graphene. *Nature Communications*, **2015**, 6, 10035	17.4	351
74	Self-assembly and chemical reactivity of alkenes on platinum nanoparticles. *Langmuir*, **2015**, 31, 522-8	4	10
73	A site-specific comparative study of Au102 and Au25 nanoclusters using theoretical EXAFS and l-DOS. *Canadian Journal of Chemistry*, **2015**, 93, 32-36	0.9	2
72	Energy Migration Upconversion in Manganese(II)-Doped Nanoparticles. *Angewandte Chemie - International Edition*, **2015**, 54, 13312-7	16.4	57
71	Disordered amorphous calcium carbonate from direct precipitation. *CrystEngComm*, **2015**, 17, 4842-4849	3.3	43
70	Impact of protecting ligands on surface structure and antibacterial activity of silver nanoparticles. *Langmuir*, **2015**, 31, 3745-52	4	39
69	Description and Role of Bimetallic Prenucleation Species in the Formation of Small Nanoparticle Alloys. *Journal of the American Chemical Society*, **2015**, 137, 15852-8	16.4	33
68	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. *Science Advances*, **2015**, 1, e1500462	14.3	562
67	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	3.8	28
66	Identification of a highly luminescent Au22(SG)18 nanocluster. *Journal of the American Chemical Society*, **2014**, 136, 1246-9	16.4	436
65	Enhancing multiphoton upconversion through energy clustering at sublattice level. *Nature Materials*, **2014**, 13, 157-62	27	435
64	Highly efficient, NiAu-catalyzed hydrogenolysis of lignin into phenolic chemicals. *Green Chemistry*, **2014**, 16, 2432-2437	10	201
63	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	3.8	10
62	X-ray Spectroscopy of Gold–Thiolate Nanoclusters. *Journal of Physical Chemistry C*, **2014**, 118, 25291-25298	3.8	116

61	Impact of the Selenolate Ligand on the Bonding Behavior of Au25 Nanoclusters. *Journal of Physical Chemistry C*, **2014**, 118, 21730-21737	3.8	13
60	Fe-N bonding in a carbon nanotube-graphene complex for oxygen reduction: an XAS study. *Physical Chemistry Chemical Physics*, **2014**, 16, 15787-91	3.6	64
59	Interfacial effects in iron-nickel hydroxide-platinum nanoparticles enhance catalytic oxidation. *Science*, **2014**, 344, 495-9	33.3	479
58	Surface Reconstruction and Reactivity of Platinum−Iron Oxide Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 28861-28867	3.8	5
57	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	3.8	59
56	Unique Bonding Properties of the Au36(SR)24 Nanocluster with FCC-Like Core. *Journal of Physical Chemistry Letters*, **2013**, 4, 3186-91	6.4	37
55	Germanate with three-dimensional 12 □12 □11-ring channels solved by X-ray powder diffraction with charge-flipping algorithm. *Inorganic Chemistry*, **2013**, 52, 10238-44	5.1	7
54	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	3.8	45
53	Peptide-directed preparation and X-ray structural study of Au nanoparticles on titanium surfaces. *Langmuir*, **2013**, 29, 4894-900	4	2
52	Local Structure, Electronic Behavior, and Electrocatalytic Reactivity of CO-Reduced Platinum−Iron Oxide Nanoparticles. *Journal of Physical Chemistry C*, **2013**, 117, 26324-26333	3.8	33
51	A Comparative XAFS Study of Gold-thiolate Nanoparticles and Nanoclusters. *Journal of Physics: Conference Series*, **2013**, 430, 012029	0.3	7
50	Sensitivity of Structural and Electronic Properties of Gold−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	3.8	30
49	Dopant Location, Local Structure, and Electronic Properties of Au24Pt(SR)18 Nanoclusters. *Journal of Physical Chemistry C*, **2012**, 116, 26932-26937	3.8	97
48	Surface Structure of Organosulfur Stabilized Silver Nanoparticles Studied with X-ray Absorption Spectroscopy. *Journal of Physical Chemistry C*, **2012**, 116, 23094-23101	3.8	35
47	Biomolecule-coated metal nanoparticles on titanium. *Langmuir*, **2012**, 28, 2979-85	4	10
46	Local structure of fluorescent platinum nanoclusters. *Nanoscale*, **2012**, 4, 4199-205	7.7	39
45	Properties and applications of protein-stabilized fluorescent gold nanoclusters: short review. *Journal of Nanophotonics*, **2012**, 6, 064504	1.1	132
44	Temperature-Dependent Structure and Electrochemical Behavior of RuO2/Carbon Nanocomposites. *Journal of Physical Chemistry C*, **2011**, 115, 19117-19128	3.8	35

43	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	3.8	103
42	Solution-Phase Structure and Bonding of Au38(SR)24 Nanoclusters from X-ray Absorption Spectroscopy. *Journal of Physical Chemistry C*, **2011**, 115, 65-69	3.8	53
41	Kinetic control and thermodynamic selection in the synthesis of atomically precise gold nanoclusters. *Journal of the American Chemical Society*, **2011**, 133, 9670-3	16.4	182
40	Tailoring the local structure and electronic property of AuPd nanoparticles by selecting capping molecules. *Applied Physics Letters*, **2010**, 96, 043105	3.4	17
39	Site-Specific and Size-Dependent Bonding of Compositionally Precise Gold□Thiolate Nanoparticles from X-ray Spectroscopy. *Journal of Physical Chemistry Letters*, **2010**, 1, 1821-1825	6.4	82
38	Ultrathin Bi2S3 nanowires: surface and core structure at the cluster-nanocrystal transition. *Journal of the American Chemical Society*, **2010**, 132, 9058-68	16.4	50
37	X-ray absorption spectroscopy studies of local structure and electronic properties of NaxSi136 (0. *Physical Review B*, **2010**, 82,	3.3	8
36	Gold nanoparticles on titanium and interaction with prototype protein. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 146-55	5.4	16
35	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	0.9	7
34	X-ray spectroscopy studies on the surface structural characteristics and electronic properties of platinum nanoparticles. *Journal of Chemical Physics*, **2009**, 131, 244716	3.9	27
33	Chemical synthesis and structural studies of thiol-capped gold nanoparticles. *Canadian Journal of Chemistry*, **2009**, 87, 335-340	0.9	9
32	Structural and electronic properties of protein/thiolate-protected gold nanocluster with "staple" motif: A XAS, L-DOS, and XPS study. *Journal of Chemical Physics*, **2009**, 131, 214703	3.9	72
31	Surface structural characteristics and tunable electronic properties of wet-chemically prepared Pd nanoparticles. *Journal of Chemical Physics*, **2008**, 128, 154705	3.9	22
30	Alloy-structure-dependent electronic behavior and surface properties of Au□Pd nanoparticles. *Chemical Physics Letters*, **2008**, 461, 254-259	2.5	115
29	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	1.6	17
28	Organosulfur-functionalized Au, Pd, and Au-Pd nanoparticles on 1D silicon nanowire substrates: preparation and XAFS studies. *Langmuir*, **2005**, 21, 8502-8	4	35
27	Zhang and Sham Reply:. *Physical Review Letters*, **2004**, 92,	7.4	9
26	Reductive deposition of Rh nanostructures on n-type porous silicon: X-ray absorption and X-ray excited optical luminescence studies. *Langmuir*, **2004**, 20, 4690-5	4	1

25	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	7.4	321
24	Electrochemical route for the fabrication of alkanethiolate-capped gold nanoparticles. *Applied Physics Letters*, **2003**, 82, 1470-1472	3.4	13
23	Fabrication of thiol-capped Pd nanoparticles: An electrochemical method. *Applied Physics Letters*, **2003**, 82, 1778-1780	3.4	22
22	Ag Nanostructures on a Silicon Nanowire Template: 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	9.6	22
21	Tuning the electronic behavior of Au nanoparticles with capping molecules. *Applied Physics Letters*, **2002**, 81, 736-738	3.4	146
20	Soft x-ray excited optical luminescence: Some recent applications. *Review of Scientific Instruments*, **2002**, 73, 1379-1381	1.7	15
19	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		1
18	Nanostructured CdS prepared on porous silicon substrate: Structure, electronic, and optical properties. *Journal of Applied Physics*, **2002**, 91, 6038-6043	2.5	30
17	XANES studies of CdS nano-structures on porous silicon. *Journal of Electron Spectroscopy and Related Phenomena*, **2001**, 119, 229-233	1.7	6
16	Amorphous carbon nanowires investigated by near-edge-x-ray-absorption-fine-structures. *Applied Physics Letters*, **2001**, 79, 3773-3775	3.4	55
15	Soft x-ray-excited luminescence and optical x-ray absorption fine structures of tris (8-hydroxyquinoline) aluminum. *Applied Physics Letters*, **2001**, 78, 1847-1849	3.4	16
14	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	2.5	18
13	X-ray absorption fine structure and electron energy loss spectroscopy study of silicon nanowires at the Si L3,2 edge. *Journal of Applied Physics*, **2001**, 90, 6379-6383	2.5	24
12	X-ray excited optical luminescence studies of tris-(2,2Pbipyridine)ruthenium(II) at the C, N K-edge and Ru L3,2-edge. *Journal of the American Chemical Society*, **2001**, 123, 8870-1	16.4	21
11	Semiconductor Growth and Junction Formation within Nano-Porous Oxides. *Physica Status Solidi A*, **2000**, 182, 157-162		21
10	X-ray excited optical luminescence (XEOL): a potential tool for OELD studies. *Thin Solid Films*, **2000**, 363, 318-321	2.2	22
9	Surface photovoltage behavior of porous silicon modified with SO4 specimens. *Materials Chemistry and Physics*, **2000**, 63, 167-169	4.4	1
8	Influence of sample oxidation on the nature of optical luminescence from porous silicon. *Applied Physics Letters*, **2000**, 77, 498-500	3.4	27

7	Horseradish Peroxidase-Catalyzed Preparation and Optoelectronic Property of Poly(1,5-dihydroxynaphthalene) Composite in Porous Silicon Nanohosta. *Annals of the New York Academy of Sciences*, **1998**, 864, 250-252	6.5	3
6	Heterostructure of silicon/organized-polymer-film with varied liquid crystalline states: a photovoltaic study. *Thin Solid Films*, **1998**, 327-329, 412-414	2.2	
5	Photovoltaic Properties of Polymer/Fe2O3/Polymer Heterostructured Microspheres. *Journal of Physical Chemistry B*, **1998**, 102, 2329-2332	3.4	32
4	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		3
3	Optoelectronic behavior of conjugated polymer/silicon heterojunctions. *Synthetic Metals*, **1997**, 85, 1293-1294	3.6	6
2	Electrochemical deposition and photovoltaic properties of Nano-Fe2O3-incorporated polypyrrole films. *Synthetic Metals*, **1997**, 84, 165-166	3.6	21
1	Trilayer Composite Poly(styrene/butyl acrylate/acrylic acid) Terpolymer Microspheres with Fe2O3 Middle Layer: Synthesis and Characterization. *Polymer International*, **1997**, 43, 274-280	3.3	3