

Hyunjoon Song

List of Publications by Year in descending order

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162
papers

11,444
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38742

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14743
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#	ARTICLE	IF	CITATIONS
1	Bimetallic Gold-Silver Nanostructures Drive Low Overpotentials for Electrochemical Carbon Dioxide Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6604-6614.	8.0	14
2	Nanoparticle design and assembly for p-type metal oxide gas sensors. <i>Nanoscale</i> , 2022, 14, 3387-3397.	5.6	17
3	Inspiration of Yolk-Shell Nanostructures Toward Completely Adjustable Heterogeneous Catalysts. <i>Nanostructure Science and Technology</i> , 2021, , 413-424.	0.1	0
4	Structural complexity induced by {110} blocking of cysteine in electrochemical copper deposition on silver nanocubes. <i>Nanoscale</i> , 2021, 13, 1777-1783.	5.6	8
5	Abnormal Hypsochromic Shifts of Surface Plasmon Scattering by Atomic Ordering in Gold-Copper Intermetallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19936-19946.	3.1	7
6	Surface overgrowth on gold nanoparticles modulating high-energy facets for efficient electrochemical CO ₂ reduction. <i>Nanoscale</i> , 2021, 13, 14346-14353.	5.6	4
7	Optimal Length of Hybrid Metal-Semiconductor Nanorods for Photocatalytic Hydrogen Generation. <i>ACS Catalysis</i> , 2021, 11, 13303-13311.	11.2	14
8	A highly smart MEMS acetone gas sensors in array for diet-monitoring applications. <i>Micro and Nano Systems Letters</i> , 2021, 9, .	3.7	4
9	Strategies for Designing Nanoparticles for Electro- and Photocatalytic CO ₂ Reduction. <i>Chemistry - an Asian Journal</i> , 2020, 15, 253-265.	3.3	9
10	Tracking Underpotential Deposition of Copper on Individual Silver Nanocubes by Real-Time Single-Particle Plasmon Scattering Imaging. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20398-20409.	3.1	18
11	Fe-Ni ₂ P Alloy Nanocatalysts with Electron-Deficient Phosphorus Enhancing the Hydrogen Evolution Reaction in Acidic Media. <i>ACS Catalysis</i> , 2020, 10, 11665-11673.	11.2	41
12	Characterization of heterogeneous aryl-Pd(oxo) clusters as active species for C-H arylation. <i>Chemical Communications</i> , 2020, 56, 14404-14407.	4.1	8
13	Zn-CuO Core-Hollow Cube Nanostructures for Highly Sensitive Acetone Gas Sensors at the ppb Level. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35688-35697.	8.0	126
14	In Situ Monitoring of Individual Plasmonic Nanoparticles Resolves Multistep Nanoscale Sulfidation Reactions Hidden by Ensemble Average. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23113-23123.	3.1	5
15	A feasible strategy to prepare quantum dot-incorporated carbon nanofibers as free-standing platforms. <i>Nanoscale Advances</i> , 2019, 1, 3948-3956.	4.6	1
16	Artificial Control of Cell Signaling Using a Photocleavable Cobalt(III)-Nitrosyl Complex. <i>Angewandte Chemie</i> , 2019, 131, 10232-10237.	2.0	4
17	Surface activation of cobalt oxide nanoparticles for photocatalytic carbon dioxide reduction to methane. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15068-15072.	10.3	33
18	Artificial Control of Cell Signaling Using a Photocleavable Cobalt(III)-Nitrosyl Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10126-10131.	13.8	15

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19	Branched Copper Oxide Nanoparticles Induce Highly Selective Ethylene Production by Electrochemical Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 6986-6994.	13.7	260
20	Regulation of electron-hole recombination kinetics on uniform metal-semiconductor nanostructures for photocatalytic hydrogen evolution. <i>APL Materials</i> , 2019, 7, 100702.	5.1	11
21	Nano-Protrusive Gold Nanoparticle-Hybridized Polymer Thin Film as a Sensitive, Multipatternable, and Antifouling Biosensor Platform. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13397-13405.	8.0	12
22	Single-Molecule Rotation for EGFR Conformational Dynamics in Live Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 15161-15165.	13.7	24
23	Metal- ¹¹¹ CdSe Double Shell Hollow Nanocubes via Sequential Nanoscale Reactions and Their Photocatalytic Hydrogen Evolution. <i>Topics in Catalysis</i> , 2018, 61, 965-976.	2.8	1
24	Composition effect of alloy semiconductors on Pt-tipped Zn _{1-x} Cd _x Se nanorods for enhanced photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16316-16321.	10.3	14
25	Effective Formation of WO ₃ Nanoparticle/Bi ₂ S ₃ Nanowire Composite for Improved Photoelectrochemical Performance. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17676-17685.	3.1	19
26	Synthesis of Co/SiO ₂ hybrid nanocatalyst via twisted Co ₃ Si ₂ O ₅ (OH) ₄ nanosheets for high-temperature Fischer-Tropsch reaction. <i>Nano Research</i> , 2017, 10, 1044-1055.	10.4	21
27	Preparation and phase transition of FeOOH nanorods: strain effects on catalytic water oxidation. <i>Nanoscale</i> , 2017, 9, 4751-4758.	5.6	50
28	Preparation and Electrochemical Characterization of Carbonaceous Thin Layer. <i>Electroanalysis</i> , 2017, 29, 1062-1068.	2.9	1
29	Directed C-H Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 7056-7060.	2.0	5
30	Directed C-H Activation and Tandem Cross-Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6952-6956.	13.8	35
31	Rh(0)/Rh(^{III}) core-shell nanoparticles as heterogeneous catalysts for cyclic carbonate synthesis. <i>Chemical Communications</i> , 2017, 53, 384-387.	4.1	9
32	Non-native transition metal monoxide nanostructures: unique physicochemical properties and phase transformations of CoO, MnO and ZnO. <i>NPG Asia Materials</i> , 2017, 9, e364-e364.	7.9	28
33	Synthesis of Gold Nanoparticles in Liquid Phase. , 2017, , 165-200.		0
34	Engineering Reaction Kinetics by Tailoring the Metal Tips of Metal-Semiconductor Nanodumbbells. <i>Nano Letters</i> , 2017, 17, 5688-5694.	9.1	31
35	Colloidal zinc oxide-copper(I) oxide nanocatalysts for selective aqueous photocatalytic carbon dioxide conversion into methane. <i>Nature Communications</i> , 2017, 8, 1156.	12.8	126
36	Enhanced Visible Light Activity of Single-Crystalline WO ₃ Microplates for Photoelectrochemical Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9192-9199.	3.1	37

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37	Metal-semiconductor double shell hollow nanocubes for highly stable hydrogen generation photocatalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13414-13418.	10.3	30
38	Far-Field and Near-Field Investigation of Longitudinal Plasmons of AgAuAg Nanorods. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21082-21090.	3.1	6
39	Air-stable CuInSe ₂ nanoparticles formed through partial cation exchange in methanol at room temperature. <i>CrystEngComm</i> , 2016, 18, 6069-6075.	2.6	11
40	Nonstoichiometric Co-rich ZnCo ₂ O ₄ Hollow Nanospheres for High Performance Formaldehyde Detection at ppb Levels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3233-3240.	8.0	83
41	Selective formation of Ag domains on MnO nanooctapods for potential dual imaging probes. <i>CrystEngComm</i> , 2016, 18, 4188-4195.	2.6	2
42	A Resonance-Shifting Hybrid n-Type Layer for Boosting Near-Infrared Response in Highly Efficient Colloidal Quantum Dots Solar Cells. <i>Advanced Materials</i> , 2015, 27, 8102-8108.	21.0	28
43	Selective Growth and Structural Analysis of Regular MnO Nanooctapods Bearing Multiple High-Index Surface Facets. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1784-1790.	3.3	3
44	Formation of Metal Selenide and Metal-Selenium Nanoparticles using Distinct Reactivity between Selenium and Noble Metals. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1452-1456.	3.3	16
45	Ultrasensitive formaldehyde gas sensors based on a hollow assembly and its 3-dimensional network formation of single-crystalline Co ₃ O ₄ nanoparticles. , 2015, , .		2
46	Probing the nanoscale Schottky barrier of metal/semiconductor interfaces of Pt/CdSe/Pt nanodumbbells by conductive-probe atomic force microscopy. <i>Nanoscale</i> , 2015, 7, 12297-12301.	5.6	28
47	Metal Hybrid Nanoparticles for Catalytic Organic and Photochemical Transformations. <i>Accounts of Chemical Research</i> , 2015, 48, 491-499.	15.6	83
48	Ex Situ and In Situ Surface Plasmon Monitoring of Temperature-Dependent Structural Evolution in Galvanic Replacement Reactions at a Single-Particle Level. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20125-20135.	3.1	17
49	Surfactant-free Pd@pSiO ₂ yolk-shell nanocatalysts for selective oxidation of primary alcohols to aldehydes. <i>New Journal of Chemistry</i> , 2015, 39, 8153-8157.	2.8	10
50	Suzuki Coupling Reaction Using Hybrid Pd Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1872-1883.	0.9	6
51	Facile Synthesis of Multipodal MnO Nanocrystals and Their Catalytic Performance. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1279-1283.	2.0	11
52	A highly Lewis-acidic Pd(^{iv}) surface on Pd@SiO ₂ nanocatalysts for hydroalkoxylation reactions. <i>Chemical Communications</i> , 2014, 50, 14938-14941.	4.1	33
53	A Hollow Assembly and Its Three-Dimensional Network Formation of Single-Crystalline Co ₃ O ₄ Nanoparticles for Ultrasensitive Formaldehyde Gas Sensors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25994-26002.	3.1	62
54	Anti-counterfeit nanoscale fingerprints based on randomly distributed nanowires. <i>Nanotechnology</i> , 2014, 25, 155303.	2.6	77

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55	A chelating effect in hybrid inks for non-vacuum-processed CuInSe ₂ thin films. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5087.	10.3	23
56	Precise adjustment of structural anisotropy and crystallinity on metal-Fe ₃ O ₄ hybrid nanoparticles and its influence on magnetic and catalytic properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4997-5004.	5.5	18
57	Ultra-low overpotential and high rate capability in Li-O ₂ batteries through surface atom arrangement of PdCu nanocatalysts. <i>Energy and Environmental Science</i> , 2014, 7, 1362.	30.8	193
58	Au@Ag Core-Shell Nanocubes for Efficient Plasmonic Light Scattering Effect in Low Bandgap Organic Solar Cells. <i>ACS Nano</i> , 2014, 8, 3302-3312.	14.6	228
59	Bovine Serum Albumin as an Effective Surface Regulating Biopolymer for Morphology Control of Gold Polyhedrons. <i>Crystal Growth and Design</i> , 2013, 13, 4131-4137.	3.0	11
60	The growth of Cu ₂ Se thin films using nanoparticles. <i>Thin Solid Films</i> , 2013, 546, 299-307.	1.8	31
61	Poly(ethylene glycol)- and Carboxylate-Functionalized Gold Nanoparticles Using Polymer Linkages: Single-Step Synthesis, High Stability, and Plasmonic Detection of Proteins. <i>Langmuir</i> , 2013, 29, 13518-13526.	3.5	24
62	CuO hollow nanosphere-catalyzed cross-coupling of aryl iodides with thiols. <i>Nanoscale Research Letters</i> , 2013, 8, 390.	5.7	14
63	Terahertz time-domain measurement of non-Drude conductivity in silver nanowire thin films for transparent electrode applications. <i>Applied Physics Letters</i> , 2013, 102, 011109.	3.3	29
64	Carbon layer reduction via a hybrid ink of binary nanoparticles in non-vacuum-processed CuInSe ₂ thin films. <i>Solar Energy Materials and Solar Cells</i> , 2013, 110, 126-132.	6.2	19
65	Hot Carrier-Driven Catalytic Reactions on Pt-CdSe-Pt Nanodumbbells and Pt/GaN under Light Irradiation. <i>Nano Letters</i> , 2013, 13, 1352-1358.	9.1	101
66	Localized plasmon resonances of bimetallic AgAuAg nanorods. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4190-4194.	2.8	11
67	Non-vacuum processed CuInSe ₂ thin films fabricated with a hybrid ink. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 17-25.	6.2	48
68	Azide-Alkyne Huisgen [3+2] Cycloaddition Using CuO Nanoparticles. <i>Molecules</i> , 2012, 17, 13235-13252.	3.8	51
69	Geometric Effect of Single or Double Metal-Tipped CdSe Nanorods on Photocatalytic H ₂ Generation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3781-3785.	4.6	83
70	Zn-CuO core-branch nanocatalysts for ultrasound-assisted azide-alkyne cycloaddition reactions. <i>Chemical Communications</i> , 2012, 48, 8484.	4.1	48
71	Plasmonic Monitoring of Catalytic Hydrogen Generation by a Single Nanoparticle Probe. <i>Journal of the American Chemical Society</i> , 2012, 134, 1221-1227.	13.7	75
72	High-Pressure Adsorption of Ethylene on Cubic Pt Nanoparticles and Pt(100) Single Crystals Probed by in Situ Sum Frequency Generation Vibrational Spectroscopy. <i>ACS Catalysis</i> , 2012, 2, 2377-2386.	11.2	20

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73	A hybrid ink of binary copper sulfide nanoparticles and indium precursor solution for a dense CuInSe ₂ absorber thin film and its photovoltaic performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 17893.	6.7	47
74	New Crystal Structure: Synthesis and Characterization of Hexagonal Wurtzite MnO. <i>Journal of the American Chemical Society</i> , 2012, 134, 8392-8395.	13.7	42
75	Full-Color Tuning of Surface Plasmon Resonance by Compositional Variation of Au@Ag Core-Shell Nanocubes with Sulfides. <i>Langmuir</i> , 2012, 28, 9003-9009.	3.5	71
76	Porosity Control of Pd/SiO ₂ Yolk-Shell Nanocatalysts by the Formation of Nickel Phyllosilicate and Its Influence on Suzuki Coupling Reactions. <i>Langmuir</i> , 2012, 28, 6441-6447.	3.5	71
77	Synthesis of Pd/SiO ₂ Nanobeads for Use in Suzuki Coupling Reactions by Reverse Micelle Sol-gel Process. <i>Catalysis Letters</i> , 2012, 142, 588-593.	2.6	22
78	Shape Evolution and Gram-Scale Synthesis of Gold@Silver Core-Shell Nanopolyhedrons. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9417-9423.	3.1	49
79	Assembly of individual TiO ₂ -C ₆₀ porphyrin hybrid nanoparticles for enhancement of photoconversion efficiency. <i>Nanotechnology</i> , 2011, 22, 275720.	2.6	6
80	Extremely Active Pd@pSiO ₂ Yolk-Shell Nanocatalysts for Suzuki Coupling Reactions of Aryl Halides. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15772-15777.	3.1	85
81	The Role of Water for the Phase-Selective Preparation of Hexagonal and Cubic Cobalt Oxide Nanoparticles. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1575-1581.	3.3	10
82	Gram-Scale Synthesis of Magnetically Separable and Recyclable Co@SiO ₂ Yolk-Shell Nanocatalysts for Phenoxycarbonylation Reactions. <i>ChemCatChem</i> , 2011, 3, 755-760.	3.7	34
83	Metal@Silica yolk-shell nanostructures as versatile bifunctional nanocatalysts. <i>Nano Research</i> , 2011, 4, 33-49.	10.4	173
84	Coordination Power Adjustment of Surface-Regulating Polymers for Shaping Gold Polyhedral Nanocrystals. <i>Chemistry - A European Journal</i> , 2011, 17, 8466-8471.	3.3	15
85	Simple fabrication of patterned gold nanoparticle arrays on functionalized block copolymer thin films. <i>European Polymer Journal</i> , 2011, 47, 305-310.	5.4	4
86	Formation of single-domain homogeneous Au nanoparticle monolayer at the water/oil interface and its application to surface-enhanced Raman scattering. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011, 29, 021801.	1.2	1
87	New Synthesis Approach for Low Temperature Bimetallic Nanoparticles: Size and Composition Controlled Sn-Cu Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1037-1041.	0.9	16
88	Solvent-Free Microwave Promoted [3+2] Cycloaddition of Alkyne-Azide in Uniform CuO Hollow Nanospheres. <i>Topics in Catalysis</i> , 2010, 53, 523-528.	2.8	21
89	Electrochemical deposition of Pd nanoparticles on indium-tin oxide electrodes and their catalytic properties for formic acid oxidation. <i>Electrochemistry Communications</i> , 2010, 12, 1442-1445.	4.7	34
90	Silver/Gold Heterometallic Nanostructures and Their Surface Plasmon-related Behaviors. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1257, 1.	0.1	0

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91	Immobilized CuO Hollow Nanospheres Catalyzed Alkyne-Azide Cycloadditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6504-6509.	0.9	13
92	Platinum-Centered Yolk-Shell Nanostructure Formation by Sacrificial Nickel Spacers. <i>Langmuir</i> , 2010, 26, 16469-16473.	3.5	29
93	Catalytic Hydrogen Transfer of Ketones over Ni@SiO ₂ Yolk-Shell Nanocatalysts with Tiny Metal Cores. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6381-6388.	3.1	77
94	Ag-Au-Ag Heterometal Nanowires: Synthesis, Diameter Control, and Dual Transversal Modes with Diameter Dependency. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12529-12534.	3.1	15
95	Syntheses and Characterization of Wurtzite CoO, Rocksalt CoO, and Spinel Co ₃ O ₄ Nanocrystals: Their Interconversion and Tuning of Phase and Morphology. <i>Chemistry of Materials</i> , 2010, 22, 4446-4454.	6.7	149
96	CuO hollow nanostructures catalyze [3 + 2] cycloaddition of azides with terminal alkynes. <i>Chemical Communications</i> , 2010, 46, 439-441.	4.1	117
97	Ni@SiO ₂ yolk-shell nanoreactor catalysts: High temperature stability and recyclability. <i>Journal of Materials Chemistry</i> , 2010, 20, 1239-1246.	6.7	210
98	Cu ₂ O Nanocubes Catalyzed Difunctionalization Reaction of Vinyl Arenes with Cyclic Ethers. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3509-3510.	1.9	14
99	Monodisperse Pt and PtRu/C ₆₀ hybrid nanoparticles for fuel cell anode catalysts. <i>Chemical Communications</i> , 2009, , 5036.	4.1	48
100	Hybrid Gold Architectures for Sensing and Catalytic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1176, 26.	0.1	0
101	Gram-Scale Synthesis of Cu ₂ O Nanocubes and Subsequent Oxidation to CuO Hollow Nanostructures for Lithium-Ion Battery Anode Materials. <i>Advanced Materials</i> , 2009, 21, 803-807.	21.0	613
102	Cu ₂ O Nanocube-Catalyzed Cross-Coupling of Aryl Halides with Phenols via Ullmann Coupling. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4219-4223.	2.0	65
103	A Selective Fluoroionophore Based on BODIPY-functionalized Magnetic Silica Nanoparticles: Removal of Pb ²⁺ from Human Blood. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1239-1243.	13.8	178
104	One-Dimensional Gold Nanostructures through Directed Anisotropic Overgrowth from Gold Decahedrons. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3449-3454.	3.1	53
105	A Facile One-Pot Synthesis of Hydroxyl-Functionalized Gold Polyhedrons by a Surface Regulating Copolymer. <i>Chemistry of Materials</i> , 2009, 21, 939-944.	6.7	19
106	Chemical transformation and morphology change of nickel-silica hybrid nanostructures via nickel phyllosilicates. <i>Chemical Communications</i> , 2009, , 7345.	4.1	61
107	Asymmetric Hollow Nanorod Formation through a Partial Galvanic Replacement Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 18210-18211.	13.7	97
108	Highly Efficient and Reusable Copper-Catalyzed N-Arylation of Nitrogen-Containing Heterocycles with Aryl Halides. <i>Molecules</i> , 2009, 14, 5169-5178.	3.8	50

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109	Shape auxiliary approach for carboxylate-functionalized gold nanocrystals. Chemical Communications, 2009, , 1276.	4.1	4
110	Influence of Particle Size on Reaction Selectivity in Cyclohexene Hydrogenation and Dehydrogenation over Silica-Supported Monodisperse Pt Particles. Catalysis Letters, 2008, 126, 10-19.	2.6	76
111	Directed Surface Overgrowth and Morphology Control of Polyhedral Gold Nanocrystals. Angewandte Chemie - International Edition, 2008, 47, 763-767.	13.8	101
112	Single-Crystalline Hollow Face-Centered-Cubic Cobalt Nanoparticles from Solid Face-Centered-Cubic Cobalt Oxide Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 9504-9508.	13.8	127
113	A Nanoreactor Framework of a Au@SiO ₂ Yolk/Shell Structure for Catalytic Reduction of Nitrophenol. Advanced Materials, 2008, 20, 1523-1528.	21.0	868
114	Kinetics and mechanism of ethylene hydrogenation poisoned by CO on silica-supported monodisperse Pt nanoparticles. Journal of Catalysis, 2008, 254, 1-11.	6.2	52
115	Adsorption and Co-adsorption of Ethylene and Carbon Monoxide on Silica-Supported Monodisperse Pt Nanoparticles: Volumetric Adsorption and Infrared Spectroscopy Studies. Langmuir, 2008, 24, 198-207.	3.5	64
116	Ag-Au-Ag Heterometallic Nanorods Formed through Directed Anisotropic Growth. Journal of the American Chemical Society, 2008, 130, 2940-2941.	13.7	191
117	Shape Adjustment between Multiply Twinned and Single-Crystalline Polyhedral Gold Nanocrystals: Decahedra, Icosahedra, and Truncated Tetrahedra. Journal of Physical Chemistry C, 2008, 112, 2469-2475.	3.1	232
118	Precise Tuning of Porosity and Surface Functionality in Au@SiO ₂ Nanoreactors for High Catalytic Efficiency. Chemistry of Materials, 2008, 20, 5839-5844.	6.7	174
119	Platinum Nanoclusters' Size and Surface Structure Sensitivity of Catalytic Reactions. , 2008, , 149-166.		10
120	Synthesis of Polycrystalline Mo/MoO _x Nanoflakes and Their Transformation to MoO ₃ and MoS ₂ Nanoparticles. Chemistry of Materials, 2007, 19, 2706-2708.	6.7	28
121	1D and 3D Ionic Liquid-Aluminum Hydroxide Hybrids Prepared via an Ionothermal Process. Advanced Functional Materials, 2007, 17, 2411-2418.	14.9	33
122	Surface status and size influences of nickel nanoparticles on sulfur compound adsorption. Applied Surface Science, 2007, 253, 5864-5867.	6.1	49
123	Monodisperse PtRu Nanoalloy on Carbon as a High-Performance DMFC Catalyst. Chemistry of Materials, 2006, 18, 4209-4211.	6.7	74
124	Hydrothermal Growth of Mesoporous SBA-15 Silica in the Presence of PVP-Stabilized Pt Nanoparticles: Synthesis, Characterization, and Catalytic Properties. Journal of the American Chemical Society, 2006, 128, 3027-3037.	13.7	493
125	Polyhedral Gold Nanocrystals with Oh Symmetry: From Octahedra to Cubes. Journal of the American Chemical Society, 2006, 128, 14863-14870.	13.7	398
126	Monodisperse platinum nanoparticles of well-defined shape: synthesis, characterization, catalytic properties and future prospects. Topics in Catalysis, 2006, 39, 167-174.	2.8	224

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127	The synthesis and characterization of $\text{Re}_3(\mu_4\text{-H})_3(\text{CO})_9\text{M}(\mu_3\text{-C}_6\text{O})_n(\text{PMe}_3)_n$ ($n=2,3$) complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4704-4711.	1.8	11
128	Platinum nanoparticle encapsulation during hydrothermal growth of mesoporous oxides: Synthesis, characterization and catalytic properties. <i>Materials Research Society Symposia Proceedings</i> , 2005, 900, 1.	0.1	0
129	Thermal Wetting of Platinum Nanocrystals on Silica Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6940-6943.	2.6	75
130	High-Surface-Area Catalyst Design: Synthesis, Characterization, and Reaction Studies of Platinum Nanoparticles in Mesoporous SBA-15 Silica. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2192-2202.	2.6	544
131	Pt Nanocrystals: Shape Control and Langmuir-Blodgett Monolayer Formation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 188-193.	2.6	510
132	Unusually High Performance Photovoltaic Cell Based on a [60]Fullerene Metal Cluster-Porphyrin Dyad SAM on an ITO Electrode. <i>Journal of the American Chemical Society</i> , 2005, 127, 2380-2381.	13.7	111
133	Structure Sensitivity of Vibrational Spectra of Mesoporous Silica SBA-15 and Pt/SBA-15. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17386-17390.	2.6	71
134	Platonic Gold Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3673-3677.	13.8	879
135	Cover Picture: Platonic Gold Nanocrystals (<i>Angew. Chem. Int. Ed.</i> 28/2004). <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3615-3615.	13.8	3
136	Cluster and Polynuclear Compounds. <i>Inorganic Syntheses</i> , 2004, , 184-232.	0.3	3
137	Strong Interfullerene Electronic Communication in a Bisfullerene-Hexarhodium Sandwich Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 9837-9844.	13.7	28
138	[60]Fullerene-Metal Cluster Complexes: Novel Bonding Modes and Electronic Communication. <i>ChemInform</i> , 2003, 34, no.	0.0	0
139	[60]Fullerene-Metal Cluster Complexes: Novel Bonding Modes and Electronic Communication. <i>Accounts of Chemical Research</i> , 2003, 36, 78-86.	15.6	160
140	Ligand-Induced Conversion of $\mu_3\text{-C}_6\text{O}$ Metal Cluster Complexes: Full Characterization of the $\mu_3\text{-C}_6\text{O}$ Bonding Mode. <i>Organometallics</i> , 2002, 21, 2514-2520.	2.3	22
141	Substitution Reactions of a $\mu_3\text{-C}_6\text{O}$ Triosmium Cluster Complex and Formation of a Novel $\mu_3\text{-C}_6\text{O}$ Bonding Mode. <i>Organometallics</i> , 2002, 21, 5221-5228.	2.3	9
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