Hyunjoon Song

List of Publications by Year in descending order

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162	11,444	38742 50	29157 104
papers	citations	h-index	g-index

179	179	179	14743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Platonic Gold Nanocrystals. Angewandte Chemie - International Edition, 2004, 43, 3673-3677.	13.8	879
2	A Nanoreactor Framework of a Au@SiO₂ Yolk/Shell Structure for Catalytic Reduction of pâ€Nitrophenol. Advanced Materials, 2008, 20, 1523-1528.	21.0	868
3	Gramâ€Scale Synthesis of Cu₂O Nanocubes and Subsequent Oxidation to CuO Hollow Nanostructures for Lithiumâ€Ion Battery Anode Materials. Advanced Materials, 2009, 21, 803-807.	21.0	613
4	High-Surface-Area Catalyst Design:Â Synthesis, Characterization, and Reaction Studies of Platinum Nanoparticles in Mesoporous SBA-15 Silicaâ€. Journal of Physical Chemistry B, 2005, 109, 2192-2202.	2.6	544
5	Pt Nanocrystals:Â Shape Control and Langmuirâ€'Blodgett Monolayer Formation. Journal of Physical Chemistry B, 2005, 109, 188-193.	2.6	510
6	Hydrothermal Growth of Mesoporous SBA-15 Silica in the Presence of PVP-Stabilized Pt Nanoparticles:â€‰Synthesis, Characterization, and Catalytic Properties. Journal of the American Chemical Society, 2006, 128, 3027-3037.	13.7	493
7	Polyhedral Gold Nanocrystals withOhSymmetry:Â From Octahedra to Cubes. Journal of the American Chemical Society, 2006, 128, 14863-14870.	13.7	398
8	Branched Copper Oxide Nanoparticles Induce Highly Selective Ethylene Production by Electrochemical Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 6986-6994.	13.7	260
9	Shape Adjustment between Multiply Twinned and Single-Crystalline Polyhedral Gold Nanocrystals:â€‰Decahedra, Icosahedra, and Truncated Tetrahedra. Journal of Physical Chemistry C, 2008, 112, 2469-2475.	3.1	232
10	Au@Ag Coreâ€“Shell Nanocubes for Efficient Plasmonic Light Scattering Effect in Low Bandgap Organic Solar Cells. ACS Nano, 2014, 8, 3302-3312.	14.6	228
11	Monodisperse platinum nanoparticles of well-defined shape: synthesis, characterization, catalytic properties and future prospects. Topics in Catalysis, 2006, 39, 167-174.	2.8	224
12	Ni@SiO₂yolk-shell nanoreactor catalysts: High temperature stability and recyclability. Journal of Materials Chemistry, 2010, 20, 1239-1246.	6.7	210
13	Ultra-low overpotential and high rate capability in Liâ€“O2 batteries through surface atom arrangement of PdCu nanocatalysts. Energy and Environmental Science, 2014, 7, 1362.	30.8	193
14	Agâ€'Auâ€'Ag Heterometallic Nanorods Formed through Directed Anisotropic Growth. Journal of the American Chemical Society, 2008, 130, 2940-2941.	13.7	191
15	A Selective Fluoroionophore Based on BODIPYâ€functionalized Magnetic Silica Nanoparticles: Removal of Pb²⁺ from Human Blood. Angewandte Chemie - International Edition, 2009, 48, 1239-1243.	13.8	178
16	Precise Tuning of Porosity and Surface Functionality in Au@SiO₂ Nanoreactors for High Catalytic Efficiency. Chemistry of Materials, 2008, 20, 5839-5844.	6.7	174
17	Metal@Silica yolk-shell nanostructures as versatile bifunctional nanocatalysts. Nano Research, 2011, 4, 33-49.	10.4	173
18	[60]Fullereneâ€'Metal Cluster Complexes:â€‰Novel Bonding Modes and Electronic Communication. Accounts of Chemical Research, 2003, 36, 78-86.	15.6	160

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19	Syntheses and Characterization of Wurtzite CoO, Rocksalt CoO, and Spinel Co₃O₄ Nanocrystals: Their Interconversion and Tuning of Phase and Morphology. Chemistry of Materials, 2010, 22, 4446-4454.	6.7	149
20	Singleâ€Crystalline Hollow Faceâ€Centeredâ€Cubic Cobalt Nanoparticles from Solid Faceâ€Centeredâ€Cubic Cobalt Oxide Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 9504-9508.	13.8	127
21	Colloidal zinc oxide-copper(I) oxide nanocatalysts for selective aqueous photocatalytic carbon dioxide conversion into methane. Nature Communications, 2017, 8, 1156.	12.8	126
22	ZnOâ€“CuO Core-Hollow Cube Nanostructures for Highly Sensitive Acetone Gas Sensors at the ppb Level. ACS Applied Materials & Interfaces, 2020, 12, 35688-35697.	8.0	126
23	CuO hollow nanostructures catalyze [3 + 2] cycloaddition of azides with terminal alkynes. Chemical Communications, 2010, 46, 439-441.	4.1	117
24	Unusually High Performance Photovoltaic Cell Based on a [60]Fullerene Metal Clusterâ^'Porphyrin Dyad SAM on an ITO Electrode. Journal of the American Chemical Society, 2005, 127, 2380-2381.	13.7	111
25	Directed Surface Overgrowth and Morphology Control of Polyhedral Gold Nanocrystals. Angewandte Chemie - International Edition, 2008, 47, 763-767.	13.8	101
26	Hot Carrier-Driven Catalytic Reactions on Ptâ€“CdSeâ€“Pt Nanodumbbells and Pt/GaN under Light Irradiation. Nano Letters, 2013, 13, 1352-1358.	9.1	101
27	Asymmetric Hollow Nanorod Formation through a Partial Galvanic Replacement Reaction. Journal of the American Chemical Society, 2009, 131, 18210-18211.	13.7	97
28	Extremely Active Pd@pSiO₂ Yolkâ€“Shell Nanocatalysts for Suzuki Coupling Reactions of Aryl Halides. Journal of Physical Chemistry C, 2011, 115, 15772-15777.	3.1	85
29	Geometric Effect of Single or Double Metal-Tipped CdSe Nanorods on Photocatalytic H₂ Generation. Journal of Physical Chemistry Letters, 2012, 3, 3781-3785.	4.6	83
30	Metal Hybrid Nanoparticles for Catalytic Organic and Photochemical Transformations. Accounts of Chemical Research, 2015, 48, 491-499.	15.6	83
31	Nonstoichiometric Co-rich ZnCo₂O₄ Hollow Nanospheres for High Performance Formaldehyde Detection at ppb Levels. ACS Applied Materials & Interfaces, 2016, 8, 3233-3240.	8.0	83
32	Catalytic Hydrogen Transfer of Ketones over Ni@SiO₂ Yolkâ^'Shell Nanocatalysts with Tiny Metal Cores. Journal of Physical Chemistry C, 2010, 114, 6381-6388.	3.1	77
33	Anti-counterfeit nanoscale fingerprints based on randomly distributed nanowires. Nanotechnology, 2014, 25, 155303.	2.6	77
34	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
35	Thermal Wetting of Platinum Nanocrystals on Silica Surface. Journal of Physical Chemistry B, 2005, 109, 6940-6943.	2.6	75
36	Plasmonic Monitoring of Catalytic Hydrogen Generation by a Single Nanoparticle Probe. Journal of the American Chemical Society, 2012, 134, 1221-1227.	13.7	75

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37	Monodisperse PtRu Nanoalloy on Carbon as a High-Performance DMFC Catalyst. Chemistry of Materials, 2006, 18, 4209-4211.	6.7	74
38	The First Fullereneâ^'Metal Sandwich Complex:Â An Unusually Strong Electronic Communication between Two C60Cages. Journal of the American Chemical Society, 2002, 124, 2872-2873.	13.7	71
39	Structure Sensitivity of Vibrational Spectra of Mesoporous Silica SBA-15 and Pt/SBA-15. Journal of Physical Chemistry B, 2005, 109, 17386-17390.	2.6	71
40	Full-Color Tuning of Surface Plasmon Resonance by Compositional Variation of Au@Ag Coreâ€“Shell Nanocubes with Sulfides. Langmuir, 2012, 28, 9003-9009.	3.5	71
41	Porosity Control of Pd@SiO₂ Yolkâ€“Shell Nanocatalysts by the Formation of Nickel Phyllosilicate and Its Influence on Suzuki Coupling Reactions. Langmuir, 2012, 28, 6441-6447.	3.5	71
42	Synthesis and Characterization of Î·2-C60 and Î¼3-Î·2,Î·2,Î·2-C60 Triosmium Cluster Complexes. Organometallics, 1998, 17, 227-236.	2.3	66
43	Cu₂O Nanocubeâ€Catalyzed Crossâ€Coupling of Aryl Halides with Phenols via Ullmann Coupling. European Journal of Inorganic Chemistry, 2009, 2009, 4219-4223.	2.0	65
44	Adsorption and Co-adsorption of Ethylene and Carbon Monoxide on Silica-Supported Monodisperse Pt Nanoparticles:â€‰ Volumetric Adsorption and Infrared Spectroscopy Studies. Langmuir, 2008, 24, 198-207.	3.5	64
45	A Hollow Assembly and Its Three-Dimensional Network Formation of Single-Crystalline Co₃O₄ Nanoparticles for Ultrasensitive Formaldehyde Gas Sensors. Journal of Physical Chemistry C, 2014, 118, 25994-26002.	3.1	62
46	Chemical transformation and morphology change of nickelâ€“silica hybrid nanostructures via nickel phyllosilicates. Chemical Communications, 2009, , 7345.	4.1	61
47	One-Dimensional Gold Nanostructures through Directed Anisotropic Overgrowth from Gold Decahedrons. Journal of Physical Chemistry C, 2009, 113, 3449-3454.	3.1	53
48	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
49	Azide-Alkyne Huisgen [3+2] Cycloaddition Using CuO Nanoparticles. Molecules, 2012, 17, 13235-13252.	3.8	51
50	Highly Efficient and Reusable Copper-Catalyzed N-Arylation of Nitrogen-Containing Heterocycles with Aryl Halides. Molecules, 2009, 14, 5169-5178.	3.8	50
51	Preparation and phase transition of FeOOH nanorods: strain effects on catalytic water oxidation. Nanoscale, 2017, 9, 4751-4758.	5.6	50
52	Surface status and size influences of nickel nanoparticles on sulfur compound adsorption. Applied Surface Science, 2007, 253, 5864-5867.	6.1	49
53	Shape Evolution and Gram-Scale Synthesis of Gold@Silver Coreâ€“Shell Nanopolyhedrons. Journal of Physical Chemistry C, 2011, 115, 9417-9423.	3.1	49
54	Monodisperse Pt and PtRu/C60 hybrid nanoparticles for fuel cell anode catalysts. Chemical Communications, 2009, , 5036.	4.1	48

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55	ZnOâ€“CuO coreâ€“branch nanocatalysts for ultrasound-assisted azideâ€“alkyne cycloaddition reactions. Chemical Communications, 2012, 48, 8484.	4.1	48
56	Non-vacuum processed CuInSe2 thin films fabricated with a hybrid ink. Solar Energy Materials and Solar Cells, 2013, 109, 17-25.	6.2	48
57	A hybrid ink of binary copper sulfide nanoparticles and indium precursor solution for a dense CuInSe2 absorber thin film and its photovoltaic performance. Journal of Materials Chemistry, 2012, 22, 17893.	6.7	47
58	Synthesis, Structure, and Electrochemical Studies of Î¼3-Î·2,Î·2,Î·2-C60Triosmium Complexes. Organometallics, 1998, 17, 4477-4483.	2.3	44
59	New Crystal Structure: Synthesis and Characterization of Hexagonal Wurtzite MnO. Journal of the American Chemical Society, 2012, 134, 8392-8395.	13.7	42
60	Fe_xNi_{2â€“x}P Alloy Nanocatalysts with Electron-Deficient Phosphorus Enhancing the Hydrogen Evolution Reaction in Acidic Media. ACS Catalysis, 2020, 10, 11665-11673.	11.2	41
61	Enhanced Visible Light Activity of Single-Crystalline WO₃ Microplates for Photoelectrochemical Water Oxidation. Journal of Physical Chemistry C, 2016, 120, 9192-9199.	3.1	37
62	Directed Câ–H Activation and Tandem Crossâ€Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. Angewandte Chemie - International Edition, 2017, 56, 6952-6956.	13.8	35
63	Electrochemical deposition of Pd nanoparticles on indium-tin oxide electrodes and their catalytic properties for formic acid oxidation. Electrochemistry Communications, 2010, 12, 1442-1445.	4.7	34
64	Gramâ€Scale Synthesis of Magnetically Separable and Recyclable Co@SiO₂ Yolkâ€Shell Nanocatalysts for Phenoxycarbonylation Reactions. ChemCatChem, 2011, 3, 755-760.	3.7	34
65	Synthesis and characterization of [Me2M-Î¼-N(H)NMe2]2 (M = Al, Ga). Crystal structure of trans [Me2Al-Î¼-N(H)NMe2]2. Journal of Organometallic Chemistry, 1997, 545-546, 99-103.	1.8	33
66	First Example of theÎ¼3-Î·1,Î·2,Î·1-C60 Bonding Mode: Ligand-Induced Conversion of Ï€ to Ïƒ C60-Metal Complexes. Angewandte Chemie - International Edition, 2001, 40, 1500-1502.	13.8	33
67	1D and 3D Ionic Liquidâ€“Aluminum Hydroxide Hybrids Prepared via an Ionothermal Process. Advanced Functional Materials, 2007, 17, 2411-2418.	14.9	33
68	A highly Lewis-acidic Pd(<scp>iv</scp>) surface on Pd@SiO₂ nanocatalysts for hydroalkoxylation reactions. Chemical Communications, 2014, 50, 14938-14941.	4.1	33
69	Surface activation of cobalt oxide nanoparticles for photocatalytic carbon dioxide reduction to methane. Journal of Materials Chemistry A, 2019, 7, 15068-15072.	10.3	33
70	Triosmium cluster derivatives of [60]fullerene. Journal of the Chemical Society Chemical Communications, 1995, , 15.	2.0	32
71	Synthesis and Characterization of Î¼3-Î·2,Î·2,Î·2-C60Trirhenium Hydrido Cluster Complexes. Organometallics, 2001, 20, 3139-3144.	2.3	32
72	The growth of Cu2â–Se thin films using nanoparticles. Thin Solid Films, 2013, 546, 299-307.	1.8	31

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73	Engineering Reaction Kinetics by Tailoring the Metal Tips of Metalâ€“Semiconductor Nanodumbbells. Nano Letters, 2017, 17, 5688-5694.	9.1	31
74	Reversible Interconversion between Î¼,Î·2:Î·2- and Î¼3,Î·2:Î·2:Î·2-C60on a Carbido Pentaosmium Cluster Framework. Organometallics, 2001, 20, 5564-5570.	2.3	30
75	Metalâ€“semiconductor double shell hollow nanocubes for highly stable hydrogen generation photocatalysts. Journal of Materials Chemistry A, 2016, 4, 13414-13418.	10.3	30
76	Platinum-Centered Yolkâ^'Shell Nanostructure Formation by Sacrificial Nickel Spacers. Langmuir, 2010, 26, 16469-16473.	3.5	29
77	Terahertz time-domain measurement of non-Drude conductivity in silver nanowire thin films for transparent electrode applications. Applied Physics Letters, 2013, 102, 011109.	3.3	29
78	Strong Interfullerene Electronic Communication in a Bisfullereneâ^'Hexarhodium Sandwich Complex. Journal of the American Chemical Society, 2004, 126, 9837-9844.	13.7	28
79	Synthesis of Polycrystalline Mo/MoOxNanoflakes and Their Transformation to MoO3and MoS2Nanoparticles. Chemistry of Materials, 2007, 19, 2706-2708.	6.7	28
80	A Resonanceâ€Shifting Hybrid nâ€Type Layer for Boosting Nearâ€Infrared Response in Highly Efficient Colloidal Quantum Dots Solar Cells. Advanced Materials, 2015, 27, 8102-8108.	21.0	28
81	Probing the nanoscale Schottky barrier of metal/semiconductor interfaces of Pt/CdSe/Pt nanodumbbells by conductive-probe atomic force microscopy. Nanoscale, 2015, 7, 12297-12301.	5.6	28
82	Non-native transition metal monoxide nanostructures: unique physicochemical properties and phase transformations of CoO, MnO and ZnO. NPG Asia Materials, 2017, 9, e364-e364.	7.9	28
83	Interconversion between -2,2-C60 and 3-2,2,2-C60 on a Carbido Pentaosmium Cluster Framework. Angewandte Chemie - International Edition, 2000, 39, 1801-1804.	13.8	26
84	Fluxional processes and structural characterization of Î¼3-Î·2,Î·2,Î·2-C60 triosmium cluster complexes, Os3(CO)9â^'n(PMe3)n(Î¼3-Î·2,Î·2,Î·2-C60) (n=1, 2, 3). Journal of Organometallic Chemistry, 2000, 599, 49-56.	1.8	25
85	Poly(ethylene glycol)- and Carboxylate-Functionalized Gold Nanoparticles Using Polymer Linkages: Single-Step Synthesis, High Stability, and Plasmonic Detection of Proteins. Langmuir, 2013, 29, 13518-13526.	3.5	24
86	Single-Molecule Rotation for EGFR Conformational Dynamics in Live Cells. Journal of the American Chemical Society, 2018, 140, 15161-15165.	13.7	24
87	Electrochemical Studies of C60â^'Triosmium Complexes:Â First Evidence for a C60-Mediated Electron Transfer to the Metal Center. Inorganic Chemistry, 1997, 36, 2698-2699.	4.0	23
88	A chelating effect in hybrid inks for non-vacuum-processed CuInSe2 thin films. Journal of Materials Chemistry A, 2014, 2, 5087.	10.3	23
89	Ligand-Induced Conversion ofÎ€toÏƒC60â^'Metal Cluster Complexes: Full Characterization of theÎ¼3-Î·1:Î·2:Î·1-C60Bonding Mode. Organometallics, 2002, 21, 2514-2520.	2.3	22
90	Synthesis of Pd/SiO2 Nanobeads for Use in Suzuki Coupling Reactions by Reverse Micelle Solâ€“gel Process. Catalysis Letters, 2012, 142, 588-593.	2.6	22

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91	[60]Fullerene as a Versatile Four-Electron Donor Ligand. Organometallics, 2002, 21, 1756-1758.	2.3	21
92	Solvent-Free Microwave Promoted [3Â+Â2] Cycloaddition of Alkyne-Azide in Uniform CuO Hollow Nanospheres. Topics in Catalysis, 2010, 53, 523-528.	2.8	21
93	Synthesis of Co/SiO2 hybrid nanocatalyst via twisted Co3Si2O5(OH)4 nanosheets for high-temperature Fischerâ€“Tropsch reaction. Nano Research, 2017, 10, 1044-1055.	10.4	21
94	High-Pressure Adsorption of Ethylene on Cubic Pt Nanoparticles and Pt(100) Single Crystals Probed by in Situ Sum Frequency Generation Vibrational Spectroscopy. ACS Catalysis, 2012, 2, 2377-2386.	11.2	20
95	A Facile One-Pot Synthesis of Hydroxyl-Functionalized Gold Polyhedrons by a Surface Regulating Copolymer. Chemistry of Materials, 2009, 21, 939-944.	6.7	19
96	Carbon layer reduction via a hybrid ink of binary nanoparticles in non-vacuum-processed CuInSe2 thin films. Solar Energy Materials and Solar Cells, 2013, 110, 126-132.	6.2	19
97	Effective Formation of WO₃ Nanoparticle/Bi₂S₃ Nanowire Composite for Improved Photoelectrochemical Performance. Journal of Physical Chemistry C, 2018, 122, 17676-17685.	3.1	19
98	Precise adjustment of structural anisotropy and crystallinity on metalâ€“Fe3O4 hybrid nanoparticles and its influence on magnetic and catalytic properties. Journal of Materials Chemistry C, 2014, 2, 4997-5004.	5.5	18
99	Tracking Underpotential Deposition of Copper on Individual Silver Nanocubes by Real-Time Single-Particle Plasmon Scattering Imaging. Journal of Physical Chemistry C, 2020, 124, 20398-20409.	3.1	18
100	Ex Situ and in Situ Surface Plasmon Monitoring of Temperature-Dependent Structural Evolution in Galvanic Replacement Reactions at a Single-Particle Level. Journal of Physical Chemistry C, 2015, 119, 20125-20135.	3.1	17
101	Nanoparticle design and assembly for p-type metal oxide gas sensors. Nanoscale, 2022, 14, 3387-3397.	5.6	17
102	New Synthesis Approach for Low Temperature Bimetallic Nanoparticles: Size and Composition Controlled Snâ€“Cu Nanoparticles. Journal of Nanoscience and Nanotechnology, 2011, 11, 1037-1041.	0.9	16
103	Formation of Metal Selenide and Metalâ€“Selenium Nanoparticles using Distinct Reactivity between Selenium and Noble Metals. Chemistry - an Asian Journal, 2015, 10, 1452-1456.	3.3	16
104	The first observation of four-electron reduction in [60]fullerene-metal cluster self-assembled monolayers (SAMs)Electronic supplementary information (ESI) available: CV spectra, half-wave potentials and XPS data. See http://www.rsc.org/suppdata/cc/b2/b209024d/. Chemical Communications, 2002, , 2966-2967.	4.1	15
105	Agâ^'Auâ^'Ag Heterometal Nanowires: Synthesis, Diameter Control, and Dual Transversal Modes with Diameter Dependency. Journal of Physical Chemistry C, 2010, 114, 12529-12534.	3.1	15
106	Coordination Power Adjustment of Surfaceâ€Regulating Polymers for Shaping Gold Polyhedral Nanocrystals. Chemistry - A European Journal, 2011, 17, 8466-8471.	3.3	15
107	Artificial Control of Cell Signaling Using a Photocleavable Cobalt(III)â€“Nitrosyl Complex. Angewandte Chemie - International Edition, 2019, 58, 10126-10131.	13.8	15
108	Synthesis, structure, and catalytic properties of ansa-Zirconocenes, Me2X(Cp)(RInd) ZrCl2 (X = C, Si; R) Tj ETQq0 0 0 rgBT /Overlock 10	1.8	14

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109	CuO hollow nanosphere-catalyzed cross-coupling of aryl iodides with thiols. Nanoscale Research Letters, 2013, 8, 390.	5.7	14
110	Composition effect of alloy semiconductors on Pt-tipped Zn_{1â^'x}Cd_xSe nanorods for enhanced photocatalytic hydrogen generation. Journal of Materials Chemistry A, 2018, 6, 16316-16321.	10.3	14
111	Cu2O Nanocubes Catalyzed Difunctionalization Reaction of Vinyl Arenes with Cyclic Ethers. Bulletin of the Korean Chemical Society, 2010, 31, 3509-3510.	1.9	14
112	Optimal Length of Hybrid Metalâ€“Semiconductor Nanorods for Photocatalytic Hydrogen Generation. ACS Catalysis, 2021, 11, 13303-13311.	11.2	14
113	Bimetallic Goldâ€“Silver Nanostructures Drive Low Overpotentials for Electrochemical Carbon Dioxide Reduction. ACS Applied Materials & Interfaces, 2022, 14, 6604-6614.	8.0	14
114	Immobilized CuO Hollow Nanospheres Catalyzed Alkyne-Azide Cycloadditions. Journal of Nanoscience and Nanotechnology, 2010, 10, 6504-6509.	0.9	13
115	Nano-Protrusive Gold Nanoparticle-Hybridized Polymer Thin Film as a Sensitive, Multipatternable, and Antifouling Biosensor Platform. ACS Applied Materials & Interfaces, 2018, 10, 13397-13405.	8.0	12
116	The synthesis and characterization of Re3(Î¼-H)3(CO)9â^'n(PMe3)n(Î¼3-Î·2:Î·2:Î·2-C60) (n=2,3) complexes. Journal of Organometallic Chemistry, 2005, 690, 4704-4711.	1.8	11
117	Bovine Serum Albumin as an Effective Surface Regulating Biopolymer for Morphology Control of Gold Polyhedrons. Crystal Growth and Design, 2013, 13, 4131-4137.	3.0	11
118	Localized plasmon resonances of bimetallic AgAuAg nanorods. Physical Chemistry Chemical Physics, 2013, 15, 4190-4194.	2.8	11
119	Facile Synthesis of Multipodal MnO Nanocrystals and Their Catalytic Performance. European Journal of Inorganic Chemistry, 2014, 2014, 1279-1283.	2.0	11
120	Air-stable CuInSe₂nanoparticles formed through partial cation exchange in methanol at room temperature. CrystEngComm, 2016, 18, 6069-6075.	2.6	11
121	Regulation of electron-hole recombination kinetics on uniform metal-semiconductor nanostructures for photocatalytic hydrogen evolution. APL Materials, 2019, 7, 100702.	5.1	11
122	Platinum Nanoclustersâ€™ Size and Surface Structure Sensitivity of Catalytic Reactions. , 2008, , 149-166.		10
123	The Role of Water for the Phaseâ€Selective Preparation of Hexagonal and Cubic Cobalt Oxide Nanoparticles. Chemistry - an Asian Journal, 2011, 6, 1575-1581.	3.3	10
124	Surfactant-free Pd@pSiO2 yolkâ€“shell nanocatalysts for selective oxidation of primary alcohols to aldehydes. New Journal of Chemistry, 2015, 39, 8153-8157.	2.8	10
125	Characterization and structures of intermediates in the reactivity of CpWOs3(CO)11(Î¼3-CTol) towards dihydrogen and water. Journal of Organometallic Chemistry, 1996, 526, 215-225.	1.8	9
126	Substitution Reactions of aÎ¼3-Î·1:Î·2:Î·1-C60Triosmium Cluster Complex and Formation of a NovelÎ¼3-Î·1:Î·1:Î·2-C60Bonding Mode. Organometallics, 2002, 21, 5221-5228.	2.3	9

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127	Rh(0)/Rh(<scp>iii</scp>) coreâ€“shell nanoparticles as heterogeneous catalysts for cyclic carbonate synthesis. Chemical Communications, 2017, 53, 384-387.	4.1	9
128	Strategies for Designing Nanoparticles for Electroâ€•and Photocatalytic CO₂ Reduction. Chemistry - an Asian Journal, 2020, 15, 253-265.	3.3	9
129	Synthesis, structure, and catalytic properties of ansa-zirconocenes, Me2Si(RInd)2ZrCl2 (R=2-p- or) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	8
130	C60Self-Assembled Monolayer Using Diamine as a Prelayer. Chemistry Letters, 2000, 29, 958-959.	1.3	8
131	Characterization of heterogeneous arylâ€“Pd(<scp>ii</scp>)â€“oxo clusters as active species for Câ€“H arylation. Chemical Communications, 2020, 56, 14404-14407.	4.1	8
132	Structural complexity induced by {110} blocking of cysteine in electrochemical copper deposition on silver nanocubes. Nanoscale, 2021, 13, 1777-1783.	5.6	8
133	Abnormal Hypsochromic Shifts of Surface Plasmon Scattering by Atomic Ordering in Goldâ€“Copper Intermetallic Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 19936-19946.	3.1	7
134	Reaction of CpWOs3(CO)11(Î¼3-CTol) with H2S: Î¼-alkylidene and Î¼3-alkylidyne WOs3 cluster complexes containing a sulfido ligand. Journal of Organometallic Chemistry, 1998, 558, 71-80.	1.8	6
135	Synthesis and characterization of (CH3C(CH2PPh2)3)RhH(Î·2-C60). Journal of Organometallic Chemistry, 1999, 584, 361-365.	1.8	6
136	Assembly of individual TiO₂â€“C₆₀porphyrin hybrid nanoparticles for enhancement of photoconversion efficiency. Nanotechnology, 2011, 22, 275720.	2.6	6
137	Suzuki Coupling Reaction Using Hybrid Pd Nanoparticles. Journal of Nanoscience and Nanotechnology, 2014, 14, 1872-1883.	0.9	6
138	Far-Field and Near-Field Investigation of Longitudinal Plasmons of AgAuAg Nanorods. Journal of Physical Chemistry C, 2016, 120, 21082-21090.	3.1	6
139	Directed Câ€™H Activation and Tandem Crossâ€Coupling Reactions Using Palladium Nanocatalysts with Controlled Oxidation. Angewandte Chemie, 2017, 129, 7056-7060.	2.0	5
140	In Situ Monitoring of Individual Plasmonic Nanoparticles Resolves Multistep Nanoscale Sulfidation Reactions Hidden by Ensemble Average. Journal of Physical Chemistry C, 2019, 123, 23113-23123.	3.1	5
141	Hydrocarbyl Ligand Transformation on the Tungstenâ€“Triosmium Cluster Framework. Journal of Cluster Science, 2000, 11, 343-358.	3.3	4
142	Shape auxiliary approach for carboxylate-functionalized gold nanocrystals. Chemical Communications, 2009, , 1276.	4.1	4
143	Simple fabrication of patterned gold nanoparticle arrays on functionalized block copolymer thin films. European Polymer Journal, 2011, 47, 305-310.	5.4	4
144	Artificial Control of Cell Signaling Using a Photocleavable Cobalt(III)â€“Nitrosyl Complex. Angewandte Chemie, 2019, 131, 10232-10237.	2.0	4

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145	Surface overgrowth on gold nanoparticles modulating high-energy facets for efficient electrochemical CO2 reduction. Nanoscale, 2021, 13, 14346-14353.	5.6	4
146	A highly smart MEMS acetone gas sensors in array for diet-monitoring applications. Micro and Nano Systems Letters, 2021, 9, .	3.7	4
147	Cover Picture: Platonic Gold Nanocrystals (Angew. Chem. Int. Ed. 28/2004). Angewandte Chemie - International Edition, 2004, 43, 3615-3615.	13.8	3
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