

Nanostructured materials for applications in heterogen

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sintering-resistant Ni-based reforming catalysts obtained via the nanoconfinement effect. <i>Chemical Communications</i> , 2013, 49, 9383.	2.2	101
2	Sensitive electrochemical immunoassay of IgG1 based on poly(amido amine) dendrimer-encapsulated CdS quantum dots. <i>RSC Advances</i> , 2013, 3, 16410.	1.7	3
3	Highly recoverable organoruthenium-functionalized mesoporous silica boosts aqueous asymmetric transfer hydrogenation reaction. <i>Journal of Catalysis</i> , 2013, 307, 55-61.	3.1	43
4	Ferrocenyl Dendrimers with Ionic Tethers and Dendrons. <i>Organometallics</i> , 2013, 32, 6079-6090.	1.1	12
5	Nanoparticle Shape Selectivity in Catalysis: Butene Isomerization and Hydrogenation on Platinum. <i>Topics in Catalysis</i> , 2013, 56, 1284-1298.	1.3	25
6	Shape-Controlled Nanostructures in Heterogeneous Catalysis. <i>ChemSusChem</i> , 2013, 6, 1797-1820.	3.6	142
7	Mass Transport across the Porous Oxide Shells of Core-Shell and Yolk-Shell Nanostructures in Liquid Phase. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20043-20053.	1.5	42
8	Enhanced hydrogenation of olefins and ketones with a ruthenium complex covalently anchored on graphene oxide. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15039.	5.2	48
9	Size-Dependent Phononic Properties of PdO Nanocrystals Probed by Nanoscale Optical Thermometry. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21558-21568.	1.5	20
10	Dependence of catalytic activity of metal-containing particles on degree of ordering rather than on size and shape. Pd and Ni-catalyzed carbon-heteroatom bond formation. <i>Mendeleev Communications</i> , 2013, 23, 337-339.	0.6	1
11	Wafer-scale directed self-assembly of nanostructures using self-assembled monolayer based controlled-wetting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1076-1082.	2.3	4
12	Atomic layer deposition of platinum clusters on titania nanoparticles at atmospheric pressure. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4647.	5.2	65
13	Tailoring the catalytic activity of electrodes with monolayer amounts of foreign metals. <i>Chemical Society Reviews</i> , 2013, 42, 5210.	18.7	202
14	Layered double hydroxide-based catalysts: nanostructure design and catalytic performance. <i>Chemical Communications</i> , 2013, 49, 5912.	2.2	289
15	Continuous coflow synthesis of hybrid palladium nanocrystals as catalysts for borylation reaction. <i>Nanoscale</i> , 2013, 5, 12425.	2.8	21
16	Simultaneous Nondestructive Analysis of Palladium, Rhodium, Platinum, and Gold Nanoparticles Using Energy Dispersive X-ray Fluorescence. <i>Analytical Chemistry</i> , 2013, 85, 10142-10148.	3.2	27
17	Key unanswered questions about the mechanism of olefin hydrogenation catalysis by transition-metal surfaces: a surface-science perspective. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11988.	1.3	73
18	Unique Mesoporous Silicoaluminophosphate Assembled from Faujasite-type SAPO-37 Precursor: A Potential Catalyst for Isomerization. <i>Chemistry Letters</i> , 2013, 42, 1160-1162.	0.7	24

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20	Unprecedented catalytic performance in disordered nickel niobate through photo-synergistic promotion. <i>Chemical Communications</i> , 2014, 50, 4200.	2.2	17
22	Direct femtosecond laser ablation of copper with an optical vortex beam. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	29
23	Pickeringâ€Emulsion Inversion Strategy for Separating and Recycling Nanoparticle Catalysts. <i>ChemPhysChem</i> , 2014, 15, 841-848.	1.0	27
24	Atomically precise (catalytic) particles synthesized by a novel cluster deposition instrument. <i>Journal of Chemical Physics</i> , 2014, 140, 174201.	1.2	49
25	Comparison Study on Photodynamic Anticancer Activity of Multifunctional Magnetic Particles by Formation of Cations. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	9
26	The facile preparation of 5,10,15,20-tetrakis(4-carboxyl phenyl) porphyrin-CdS nanocomposites and their photocatalytic activity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 188, 106-113.	1.7	11
27	New advances in the use of infrared absorption spectroscopy for the characterization of heterogeneous catalytic reactions. <i>Chemical Society Reviews</i> , 2014, 43, 7624-7663.	18.7	243
28	(Ti,Sn) solid solutions as functional materials for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 195-205.	4.0	25
29	CO adsorption on Pt clusters supported on graphite. <i>Journal of Electroanalytical Chemistry</i> , 2014, 716, 23-30.	1.9	18
31	Nanocasting Synthesis of In ₂ O ₃ with Appropriate Mesostructured Ordering and Enhanced Gas-Sensing Property. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 401-409.	4.0	119
32	Selectivity in the catalytic hydrogenation of cinnamaldehyde promoted by Pt/SiO ₂ as a function of metal nanoparticle size. <i>Catalysis Science and Technology</i> , 2014, 4, 955-962.	2.1	72
33	Roomâ€mTemperature Suzukiâ€Miyaura Reaction Catalyzed by Palladium Nanoparticles in Lactateâ€Anion Ionic Liquid. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1225-1232.	2.6	14
34	A highly Lewis-acidic Pd(^{iv}) surface on Pd@SiO ₂ nanocatalysts for hydroalkoxylation reactions. <i>Chemical Communications</i> , 2014, 50, 14938-14941.	2.2	33
35	Neutron Diffraction and X-ray Absorption Fine Structure Evidence for Local Lattice Distortions and Aperiodic Antisite Substitution in Cu ₂ ZnSnS ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26292-26303.	1.5	24
36	Highly Efficient and Magnetically Recoverable Niobium Nanocatalyst for the Multicomponent Biginelli Reaction. <i>ChemCatChem</i> , 2014, 6, 3455-3463.	1.8	86
37	One pot synthesis of nanoscale phase-segregated PdPt nanoarchitectures via unusual Pt-doping induced structural reorganization of a Pd nanosheet into a PdPt nanotent. <i>Nanoscale</i> , 2014, 6, 10551.	2.8	19
38	WO ₃ -based catalysts prepared by non-hydrolytic sol-gel for the production of propene by cross-metathesis of ethene and 2-butene. <i>Applied Catalysis A: General</i> , 2014, 488, 200-207.	2.2	36
39	Recent developments in the application of nanomaterials to understanding molecular level processes in cobalt catalysed Fischerâ€Tropsch synthesis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5034-5043.	1.3	48

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40	A novel hybrid material: an inorganic silica aerogel core encapsulated with a tunable organic alginate aerogel layer. <i>RSC Advances</i> , 2014, 4, 62362-62366.	1.7	37
41	Stabilizing Gold Nanoparticles by Solid Supports. <i>RSC Catalysis Series</i> , 2014, , 1-26.	0.1	5
42	One-pot synthesis of ultrasmall MoO ₃ nanoparticles supported on SiO ₂ , TiO ₂ , and ZrO ₂ nanospheres: an efficient epoxidation catalyst. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19060-19066.	5.2	53
43	Control of Solid Catalysts Down to the Atomic Scale: Where is the Limit?. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8599-8604.	7.2	28
44	Preparation of Solid Catalysts. , 2014, , 9-22.		2
45	Alumina-supported Fe catalyst prepared by vapor deposition and its catalytic performance for oxidative dehydrogenation of ethane. <i>Materials Research Bulletin</i> , 2014, 59, 254-260.	2.7	7
46	Visible-light photocatalytic activity of NH ₄ NO ₃ ion-exchanged nitrogen-doped titanate and TiO ₂ nanotubes. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 48-56.	4.8	21
47	Delivering a Modifying Element to Metal Nanoparticles via Support: Pt-Ga Alloying during the Reduction of Pt/Mg(Al,Ga)O _x Catalysts and Its Effects on Propane Dehydrogenation. <i>ACS Catalysis</i> , 2014, 4, 1812-1824.	5.5	100
48	Biogenic synthesis of palladium nanoparticles using <i>Pulicaria glutinosa</i> extract and their catalytic activity towards the Suzuki coupling reaction. <i>Dalton Transactions</i> , 2014, 43, 9026-9031.	1.6	157
49	Magnetically recyclable core-shell nanocatalysts for efficient heterogeneous oxidation of alcohols. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7593-7599.	5.2	67
50	Construction of Pd-based nanocatalysts for fuel cells: opportunities and challenges. <i>Catalysis Science and Technology</i> , 2014, 4, 4116-4128.	2.1	106
51	Highly stable covalent organic framework-Au nanoparticles hybrids for enhanced activity for nitrophenol reduction. <i>Chemical Communications</i> , 2014, 50, 3169-3172.	2.2	307
52	Green synthesis of Fe ₃ O ₄ nanoparticles with controlled morphologies using urease and their application in dye adsorption. <i>Dalton Transactions</i> , 2014, 43, 12474-12479.	1.6	34
53	New Pd/SiO ₂ @ZIF-8 Core-Shell Catalyst with Selective, Antipoisoning, and Antileaching Properties for the Hydrogenation of Alkenes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10906-10913.	1.8	55
54	Recycling Nanoparticle Catalysts without Separation Based on a Pickering Emulsion/Organic Biphasic System. <i>ChemSusChem</i> , 2014, 7, 1888-1900.	3.6	37
55	A branched-dumbbell Pt/NiFe nanostructure and its high catalytic reduction activity for nitro-aromatic compounds. <i>Materials Research Bulletin</i> , 2014, 60, 322-327.	2.7	9
56	Metal organic framework (MOF) micro/nanopillars. <i>CrystEngComm</i> , 2014, 16, 2885-2888.	1.3	14
57	Morphology-dependent nanocatalysts: Rod-shaped oxides. <i>Chemical Society Reviews</i> , 2014, 43, 1543-1574.	18.7	445

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58	Synthesis of stable Ni-CeO ₂ catalysts via ball-milling for ethanol steam reforming. <i>Catalysis Today</i> , 2014, 233, 53-60.	2.2	59
59	Elucidation of the indirect H ₂ interaction in (2 Å ⁻¹)-H/Pd(3 1 1) and on Pd(1 1 1). <i>Chemical Physics Letters</i> , 2014, 592, 14-17.	1.2	0
60	Effect of pore diameter and structure of mesoporous sieve supported catalysts on hydrodesulfurization performance. <i>Chemical Engineering Science</i> , 2014, 111, 381-389.	1.9	31
61	La(OH) ₃ and La ₂ O ₂ CO ₃ nanorod catalysts for Claisen-Schmidt condensation. <i>Chinese Journal of Catalysis</i> , 2014, 35, 437-443.	6.9	30
62	Superior H ₂ production by hydrophilic ultrafine Ta ₂ O ₅ engineered covalently on graphene. <i>Nanotechnology</i> , 2014, 25, 215401.	1.3	16
63	Facile Fabrication of Ultrafine Palladium Nanoparticles with Size- and Location-Control in Click-Based Porous Organic Polymers. <i>ACS Nano</i> , 2014, 8, 5352-5364.	7.3	147
64	Computational design of nanoclusters by property-based genetic algorithms: Tuning the electronic properties of TiO_2 . <i>Physical Review B</i> , 2015, 91, 114107.	11.1	29
66	Preparation of Mn(III)-Porphyrin Immobilized $\text{Fe}_3\text{O}_4/\text{SiO}_2$ Mesoparticles and Their Use in Heterogeneous Catalysis of Styrene Epoxidation. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1936-1939.	1.0	4
67	Highly Active and Stable Palladium Nanoparticles Encapsulated in a Mesoporous Silica Yolk-Shell Nanoreactor for Suzuki-Miyaura Reactions. <i>ChemCatChem</i> , 2015, 7, 2475-2479.	1.8	34
68	Nanocatalysis in Flow. <i>ChemSusChem</i> , 2015, 8, 2586-2605.	3.6	57
69	Nanorecycling: Monolithic Integration of Copper and Copper Oxide Nanowire Network Electrode through Selective Reversible Photothermochemical Reduction. <i>Advanced Materials</i> , 2015, 27, 6397-6403.	11.1	125
70	Design and Synthesis of an Au@MIL-53(NH ₂) Catalyst for a One-Pot Aerobic Oxidation/Knoevenagel Condensation Reaction. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5099-5105.	1.0	36
71	Designing Photocatalysts for Hydrogen Evolution: Are Complex Preparation Strategies Necessary to Produce Active Catalysts?. <i>ChemSusChem</i> , 2015, 8, 3084-3091.	3.6	22
72	Magnetically Separable and Sustainable Nanostructured Catalysts for Heterogeneous Reduction of Nitroaromatics. <i>Catalysts</i> , 2015, 5, 534-560.	1.6	171
73	Metal Organic Framework Micro/Nanopillars of Cu(BTC)·3H ₂ O and Zn(ADC)·DMSO. <i>Nanomaterials</i> , 2015, 5, 565-576.	1.9	12
74	Nanomaterials. <i>Frontiers of Nanoscience</i> , 2015, 8, 183-216.	0.3	1
75	Excellent visible-light-driven photocatalytic performance of Cu ₂ O sensitized NaNbO ₃ heterostructures. <i>New Journal of Chemistry</i> , 2015, 39, 6171-6177.	1.4	36
76	HIGHLY ACTIVE AND REUSABLE RHODIUM CATALYST FOR SELECTIVE HYDROGENATION OF NITRILE-BUTADIENE RUBBER. <i>Rubber Chemistry and Technology</i> , 2015, 88, 547-559.	0.6	2

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77	Tailorable Synthesis of Porous Organic Polymers Decorating Ultrafine Palladium Nanoparticles for Hydrogenation of Olefins. <i>ACS Catalysis</i> , 2015, 5, 948-955.	5.5	99
78	Immobilizing Highly Catalytically Active Noble Metal Nanoparticles on Reduced Graphene Oxide: A Non-Noble Metal Sacrificial Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 106-109.	6.6	213
79	Solvent selective phenyl selenylation and phenyl tellurylation of aryl boronic acids catalyzed by Cu(II) grafted functionalized polystyrene. <i>Tetrahedron Letters</i> , 2015, 56, 779-783.	0.7	26
80	ZnS nanoparticles as an efficient and reusable catalyst for synthesis of 4H-pyrano[2,3-c]pyrazoles. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1107-1113.	1.2	13
81	Indium oxide cubes prepared by hydrothermal synthesis as catalysts for CO oxidation. <i>Materials Chemistry and Physics</i> , 2015, 153, 243-247.	2.0	8
82	Dendrimer-Encapsulated Palladium Nanoparticles for Continuous-Flow Suzuki-Miyaura Cross-Coupling Reactions. <i>ChemCatChem</i> , 2015, 7, 936-942.	1.8	30
83	Facet-controlled {100}Rh-Pt and {100}Pt-Pt dendritic nanostructures by transferring the {100} facet nature of the core nanocube to the branch nanocubes. <i>Nanoscale</i> , 2015, 7, 3941-3946.	2.8	18
84	<i>In Situ</i> Characterization of Highly Dispersed, Ceria-Supported Fe Sites for NO Reduction by CO. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4224-4234.	1.5	27
85	A one-pot route to the synthesis of alloyed Cu/Ag bimetallic nanoparticles with different mass ratios for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3450-3455.	5.2	145
86	Morphology effects on exchange anisotropy in Co-CoO nanocomposite films. <i>Thin Solid Films</i> , 2015, 576, 11-18.	0.8	10
87	Multiple Au cores in CeO ₂ hollow spheres for the superior catalytic reduction of p-nitrophenol. <i>Chinese Journal of Catalysis</i> , 2015, 36, 261-267.	6.9	24
88	Release of copper complexes from a nanostructured sol-gel titania for cancer treatment. <i>Journal of Materials Science</i> , 2015, 50, 2410-2421.	1.7	8
89	Low bioaccumulative materials for parahydrophobic nanosheets with sticking behaviour. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 167-172.	5.0	19
90	Polyol synthesis of nanoparticles: status and options regarding metals, oxides, chalcogenides, and non-metal elements. <i>Green Chemistry</i> , 2015, 17, 4107-4132.	4.6	324
91	Mild and selective catalytic oxidation of organic substrates by a carbon nanotube-rhodium nanohybrid. <i>Catalysis Science and Technology</i> , 2015, 5, 4542-4546.	2.1	29
92	Recent Advances on the Design of Group VIII Base-Metal Catalysts with Encapsulated Structures. <i>ACS Catalysis</i> , 2015, 5, 4959-4977.	5.5	150
93	Magnetic and Dendritic Catalysts. <i>Accounts of Chemical Research</i> , 2015, 48, 1871-1880.	7.6	109
94	Gold and Silver Clusters on TiO ₂ and ZrO ₂ (101) Surfaces: Role of Dispersion Forces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15381-15389.	1.5	70

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95	Sensitivity of the glycerol oxidation reaction to the size and shape of the platinum nanoparticles in Pt/SiO ₂ catalysts. <i>Journal of Catalysis</i> , 2015, 326, 116-126.	3.1	51
96	Dendrimer-encapsulated Pd nanoparticles as catalysts for C-C cross-couplings in flow microreactors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4953-4959.	1.5	21
97	Integrated nanocatalysts: a unique class of heterogeneous catalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8241-8245.	5.2	50
98	Dual Optimization Approach to Bimetallic Nanoparticle Catalysis: Impact of M ₁ /M ₂ Ratio and Supporting Polymer Structure on Reactivity. <i>ACS Catalysis</i> , 2015, 5, 3457-3462.	5.5	46
99	Two-step self-assembly of hierarchically-ordered nanostructures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11688-11699.	5.2	51
100	Supported catalysts based on layered double hydroxides for catalytic oxidation and hydrogenation: general functionality and promising application prospects. <i>Chemical Society Reviews</i> , 2015, 44, 5291-5319.	18.7	306
101	Nanocatalysis: size- and shape-dependent chemisorption and catalytic reactivity. <i>Surface Science Reports</i> , 2015, 70, 135-187.	3.8	305
102	Polyoxometalate-based metal-organic coordination networks for heterogeneous catalytic desulfurization. <i>CrystEngComm</i> , 2015, 17, 7938-7947.	1.3	40
103	Catalysis Applications of Size-Selected Cluster Deposition. <i>ACS Catalysis</i> , 2015, 5, 7152-7176.	5.5	240
104	Application of Nanoparticles in Manufacturing. , 2015, , 1-53.		4
105	Stabilization of ultrafine metal nanocatalysts on thin carbon sheets. <i>Nanoscale</i> , 2015, 7, 18320-18326.	2.8	28
106	Core-shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. <i>Chemical Society Reviews</i> , 2015, 44, 7540-7590.	18.7	906
107	Catalytic CO Oxidation over Well-Defined Cobalt Oxide Nanoparticles: Size-Reactivity Correlation. <i>ACS Catalysis</i> , 2015, 5, 5714-5718.	5.5	125
108	Colloidal Copper Sulphide Based Nanocrystals as Building Blocks for Self-assembled Nanostructures. <i>Springer Series in Materials Science</i> , 2015, , 177-193.	0.4	0
109	Pore size effects on convective flow and diffusion through nanoporous silica gels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 288-296.	2.3	12
110	Highly Resolved Nanostructured PEDOT on Large Areas by Nanosphere Lithography and Electrodeposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21673-21681.	4.0	33
111	Ultrathin oxide shell coating of metal nanoparticles using ionic liquid/metal sputtering. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6177-6186.	5.2	37
112	Palladium Supported on Graphitic Carbon Nitride: An Efficient and Recyclable Heterogeneous Catalyst for Reduction of Nitroarenes and Suzuki Coupling Reaction. <i>Catalysis Letters</i> , 2015, 145, 1961-1971.	1.4	50

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114	Enhanced catalytic properties of rhodium nanoparticles deposited on chemically modified SiO ₂ for hydrogenation of nitrile butadiene rubber. RSC Advances, 2015, 5, 3417-3424.	1.7	37
115	Unravelling the Dependence of Hydrogen Oxidation Kinetics on the Size of Pt Nanoparticles by in Operando Nanoplasmonic Temperature Sensing. Nano Letters, 2015, 15, 574-580.	4.5	15
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117	Hierarchical supramolecules and organization using boronic acid building blocks. Chemical Communications, 2015, 51, 2005-2020.	2.2	131
118	Stabilization of Cu ₂ O nanoparticles on a 2D metal-organic framework for catalytic Huisgen 1,3-dipolar cycloaddition reaction. Dalton Transactions, 2015, 44, 83-86.	1.6	36
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120	Flow Synthesis of Plasmonic Gold Nanoshells via a Microreactor. Particle and Particle Systems Characterization, 2015, 32, 234-242.	1.2	23
121	The dendritic effect illustrated with phosphorus dendrimers. Chemical Society Reviews, 2015, 44, 3890-3899.	18.7	118
122	Ultrasonic-assisted green synthesis of palladium nanoparticles and their nanocatalytic application in multicomponent reaction. New Journal of Chemistry, 2015, 39, 972-977.	1.4	42
123	Preparation of free-standing mesoporous metal catalysts and their applications in heterogeneous enantioselective hydrogenations. Catalysis Science and Technology, 2015, 5, 638-649.	2.1	8
124	Correlated bifunctionality in heterogeneous catalysts: selective tethering of cinchonidine next to supported Pt nanoparticles. Catalysis Science and Technology, 2015, 5, 680-689.	2.1	20
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129	Pd@Pt Core-Shell Nanoparticles with Branched Dandelion-like Morphology as Highly Efficient Catalysts for Olefin Reduction. Chemistry - A European Journal, 2016, 22, 1577-1581.	1.7	24
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132	A Tandem Catalyst with Multiple Metal Oxide Interfaces Produced by Atomic Layer Deposition. <i>Angewandte Chemie</i> , 2016, 128, 7197-7201.	1.6	22
133	A Tandem Catalyst with Multiple Metal Oxide Interfaces Produced by Atomic Layer Deposition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7081-7085.	7.2	88
134	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. <i>Chemical Reviews</i> , 2016, 116, 10414-10472.	23.0	1,339
135	Synthesis of MoC_{1-x} Nanoparticles with a Surface-Modified SBA-15 Hard Template: Determination of Structure-Function Relationships in Acetic Acid Deoxygenation. <i>Angewandte Chemie</i> , 2016, 128, 9172-9175.	1.6	2
136	Synthesis of MoC_{1-x} Nanoparticles with a Surface-Modified SBA-15 Hard Template: Determination of Structure-Function Relationships in Acetic Acid Deoxygenation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9026-9029.	7.2	44
137	Silica-Coated Magnetic Nano-Particles: Application in Catalysis. <i>ACS Symposium Series</i> , 2016, , 1-38.	0.5	12
138	In situ laser-induced synthesis of copper microstructures with high catalytic properties and sensory characteristics. , 2016, , .		1
139	Hierarchically carbonaceous catalyst with Brønsted Lewis acid sites prepared through Pickering HIPEs templating for biomass energy conversion. <i>Chemical Engineering Journal</i> , 2016, 294, 222-235.	6.6	68
140	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	23.0	2,051
141	$\text{Ni-Al}_2\text{O}_3$ as reusable heterogeneous catalyst for expedient one-pot synthesis of naphthopyrans. <i>Research on Chemical Intermediates</i> , 2016, 42, 6863-6871.	1.3	13
142	Fe_3O_4 (iron oxide)-supported nanocatalysts: synthesis, characterization and applications in coupling reactions. <i>Green Chemistry</i> , 2016, 18, 3184-3209.	4.6	342
143	Utilisation of gold nanoparticles on amine-functionalised UiO-66 (NH_2 -UiO-66) nanocrystals for selective tandem catalytic reactions. <i>Chemical Communications</i> , 2016, 52, 6557-6560.	2.2	59
144	Facile one-pot strategy to prepare Ag/Fe ₂ O ₃ decorated reduced graphene oxide nanocomposite and its catalytic application in chemoselective reduction of nitroarenes. <i>Journal of Alloys and Compounds</i> , 2016, 681, 316-323.	2.8	37
145	In situ FTIR spectroscopy of highly dispersed FeOx catalysts for NO reduction: Role of Na promoter. <i>Catalysis Today</i> , 2016, 267, 56-64.	2.2	10
146	Spontaneous Electroless Deposition of Ultrafine Pd Nanoparticles on Poly(phenylene butadiynylene)s for the Hydroxycarbonylation of Aryl Iodides. <i>ChemistrySelect</i> , 2016, 1, 1832-1836.	0.7	3
147	Facile preparation of pH-responsive AIE-active POSS dendrimers for the detection of trivalent metal cations and acid gases. <i>Polymer Chemistry</i> , 2016, 7, 6432-6436.	1.9	28
148	A Hexagonal Covalent Porphyrin Framework as an Efficient Support for Gold Nanoparticles toward Catalytic Reduction of 4-Nitrophenol. <i>Chemistry - A European Journal</i> , 2016, 22, 17029-17036.	1.7	32

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