

Yanhui Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/703616/publications.pdf>

Version: 2024-02-01

128
papers

8,411
citations

57758

44
h-index

45317

90
g-index

132
all docs

132
docs citations

132
times ranked

11712
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuned selectivity and enhanced activity of CO ₂ methanation over Ru catalysts by modified metal-carbonate interfaces. <i>Journal of Energy Chemistry</i> , 2022, 64, 38-46.	12.9	30
2	On the effect of zeolite acid property and reaction pathway in Pd-catalyzed hydrogenation of furfural to cyclopentanone. <i>Fuel</i> , 2022, 314, 123074.	6.4	23
3	Stereoselective cyclopropanation of enamides via C=C bond cleavage of cyclopropenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1820-1825.	4.5	5
4	Single Co Sites in Ordered SiO ₂ Channels for Boosting Nonoxidative Propane Dehydrogenation. <i>ACS Catalysis</i> , 2022, 12, 2632-2638.	11.2	52
5	Triggering the Direct C-C Coupling of Gaseous CO into C ₂ Oxygenates by Synergizing Interfacial Interactions and Reversible Spatial Dynamic Confinement. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8645-8654.	3.1	5
6	Modified Ni-carbonate interfaces for enhanced CO ₂ methanation activity: Tuned reaction pathway and reconstructed surface carbonates. <i>Journal of Catalysis</i> , 2022, 413, 48-58.	6.2	9
7	Non-oxidative propane dehydrogenation over Co/Ti-ZSM-5 catalysts: Ti species-tuned Co state and surface acidity. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112115.	4.4	6
8	CO ₂ methanation over γ -Al ₂ O ₃ nanosheets-stabilized Ni catalysts: Effects of MnO _x and MoO _x additives on catalytic performance and reaction pathway. <i>Journal of CO₂ Utilization</i> , 2022, 63, 102113.	6.8	6
9	Enhancement of one- and two-photon absorption and visualization of intramolecular charge transfer of pyrenyl-contained derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118897.	3.9	26
10	How graphene strengthened molecular photoelectric performance of solar cells: A photo current-voltage assessment. <i>Solar Energy</i> , 2021, 213, 271-283.	6.1	25
11	Effect of Polymerization on the Charge-Transfer Mechanism in the One (Two)-Photon Absorption Process of D-A-Type Triphenylamine Derivatives. <i>Journal of Physical Chemistry A</i> , 2021, 125, 777-794.	2.5	11
12	Tuning adlayer-substrate interactions of graphene/h-BN heterostructures on Cu(111)-Ni and Ni(111)-Cu surface alloys. <i>RSC Advances</i> , 2021, 11, 1916-1927.	3.6	2
13	A CuMn ₂ O ₄ spinel oxide as a superior catalyst for the aerobic oxidation of 5-hydroxymethylfurfural toward 2,5-furandicarboxylic acid in aqueous solvent. <i>Catalysis Science and Technology</i> , 2021, 11, 1497-1509.	4.1	33
14	Oxidative dehydrogenation of light alkanes with carbon dioxide. <i>Green Chemistry</i> , 2021, 23, 689-707.	9.0	39
15	Electro-catalytic oxidation of HMF to FDCA over RuO ₂ /MnO ₂ /CNT catalysts in base-free solution. <i>New Journal of Chemistry</i> , 2021, 45, 21285-21292.	2.8	8
16	Effect of coking and propylene adsorption on enhanced stability for Co ²⁺ -catalyzed propane dehydrogenation. <i>Journal of Catalysis</i> , 2021, 395, 105-116.	6.2	34
17	Significant Improvements of Near-IR Absorption, Electron Injection, and Oxidized Regeneration on Organic Sensitizers for Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13109-13122.	3.1	13
18	Hydrogen pre-reduction determined Co-silica interaction and performance of cobalt catalysts for propane dehydrogenation. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111187.	4.4	24

#	ARTICLE	IF	CITATIONS
19	Distinct chemical fixation of CO ₂ enabled by exotic gold nanoclusters. <i>Journal of Chemical Physics</i> , 2021, 155, 054305.	3.0	4
20	PCDTBT8â€Doped PffBT4Tâ€2ODâ€Based Ternary Solar Cells with Enhanced Openâ€Circuit Voltage, Fill Factor, and Charge Separation Efficiency. <i>Solar Rrl</i> , 2021, 5, 2100670.	5.8	16
21	Recent progress in heterogeneous metal and metal oxide catalysts for direct dehydrogenation of ethane and propane. <i>Chemical Society Reviews</i> , 2021, 50, 5590-5630.	38.1	181
22	How do structure and topology of the catalyst affect water promotion or inhibition effects?. <i>Chem Catalysis</i> , 2021, 1, 962-965.	6.1	5
23	A survey of recent progress on novel catalytic materials with precise crystalline structures for oxidation/hydrogenation of key biomass platform chemicals. <i>EcoMat</i> , 2021, 3, .	11.9	9
24	Effect of Hydrotalcites Interlayer Water on Pt-Catalyzed Aqueous-Phase Selective Hydrogenation of Cinnamaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2516-2524.	8.0	28
25	Mechanistic Study of Unprecedented Highly Regioselective Hydrocyanation of Terminal Alkynes: Insight into the Origins of the Regioselectivity and Ligand Effects. <i>Journal of Computational Chemistry</i> , 2020, 41, 279-289.	3.3	4
26	Î³-Al ₂ O ₃ sheet-stabilized isolate Co ²⁺ for catalytic propane dehydrogenation. <i>Journal of Catalysis</i> , 2020, 381, 482-492.	6.2	98
27	Preparation of Anisotropic MnO ₂ Nanocatalysts for Selective Oxidation of Benzyl Alcohol and 5-Hydroxymethylfurfural. <i>Transactions of Tianjin University</i> , 2020, 26, 382-390.	6.4	8
28	Bimetallic PtFe-Catalyzed Selective Hydrogenation of Furfural to Furfuryl Alcohol: Solvent Effect of Isopropanol and Hydrogen Activation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12722-12730.	6.7	61
29	Modulating the electronic property of Pt nanocatalyst on rGO by iron oxides for aerobic oxidation of glycerol. <i>Catalysis Communications</i> , 2020, 144, 106073.	3.3	5
30	Enhanced activity and stability of Ni/La ₂ O ₂ CO ₃ catalyst for CO ₂ methanation by metal-carbonate interaction. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119271.	20.2	56
31	Effect of graphene between photoanode and sensitizer on the intramolecular and intermolecular electron transfer process. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6391-6400.	2.8	32
32	Enhanced photoelectric and photocatalysis performances of quinacridone derivatives by forming D-Î€-A-A structure. <i>Solar Energy</i> , 2020, 201, 872-883.	6.1	39
33	A Shortcut Route to Close Nitrogen Cycle: Bio-Based Amines Production via Selective Deoxygenation of Chitin Monomers over Ru/C in Acidic Solutions. <i>IScience</i> , 2020, 23, 101096.	4.1	20
34	Direct ringâ€open mechanism of pyridine formation by replacement of one carbon in benzene with one nitrogen atom. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4061.	1.9	2
35	Spatial Ensembles of Copper-Silica with Carbon Nanotubes as Ultrastable Nanostructured Catalysts for Selective Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27268-27276.	8.0	10
36	Oxidation of 5-hydroxymethylfurfural over a magnetic iron oxide decorated rGO supporting Pt nanocatalyst. <i>Catalysis Today</i> , 2019, 330, 92-100.	4.4	50

#	ARTICLE	IF	CITATIONS
37	Second-Order Nonlinear Optical Switch Manipulation of Photosensitive Layer by an External Electric Field Coupled with Graphene Quantum Dots. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7401-7407.	2.5	11
38	Interface synergy between IrO _x and H-ZSM-5 in selective C=O hydrogenolysis of glycerol toward 1,3-propanediol. <i>Journal of Catalysis</i> , 2019, 375, 339-350.	6.2	31
39	Preparation of silica as catalyst supports with controlled surface property using continuous flow reactor. <i>Applied Catalysis A: General</i> , 2019, 585, 117212.	4.3	5
40	Engineering channels of metal-organic frameworks to enhance catalytic selectivity. <i>Chemical Communications</i> , 2019, 55, 11770-11773.	4.1	27
41	Electronic synergism of pyridinic- and graphitic-nitrogen on N-doped carbons for the oxygen reduction reaction. <i>Chemical Science</i> , 2019, 10, 1589-1596.	7.4	170
42	Global performance evaluation of solar cells using two models: from charge-transfer and recombination mechanisms to photoelectric properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1934-1947.	5.5	73
43	Introducing Asymmetry Induced by Benzene Substitution in a Rigid Fused π -Spacer of D ^A -Type Solar Cells: A Computational Investigation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4007-4021.	3.1	41
44	Elucidating Interaction between Palladium and N-Doped Carbon Nanotubes: Effect of Electronic Property on Activity for Nitrobenzene Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 2893-2901.	11.2	101
45	Electrocatalytic Oxidation of Small Molecule Alcohols over Pt, Pd, and Au Catalysts: The Effect of Alcohol's Hydrogen Bond Donation Ability and Molecular Structure Properties. <i>Catalysts</i> , 2019, 9, 387.	3.5	42
46	Water-enhanced selective hydrogenation of cinnamaldehyde to cinnamyl alcohol on RuSnB/CeO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2019, 582, 117098.	4.3	23
47	Cobalt in N-doped carbon matrix catalyst for chemoselective hydrogenation of nitroarenes. <i>Applied Catalysis A: General</i> , 2019, 580, 158-166.	4.3	28
48	Nickel cobalt catalyst supported on TiO ₂ -coated SiO ₂ spheres for CO ₂ methanation in a fluidized bed. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13443-13455.	7.1	31
49	Molecular engineering mechanism of organic photoactive layer by alkyl chains, 4-butoxyphenyl and cyanogroup. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 142-154.	3.9	2
50	Adlayer-substrate interactions in controlled growth of graphene/h-BN heterostructure on Ni(111) and Cu(111) surfaces. <i>Applied Surface Science</i> , 2019, 480, 154-161.	6.1	7
51	Synergistic Contribution of the Acidic Metal Oxide-Metal Couple and Solvent Environment in the Selective Hydrogenolysis of Glycerol: A Combined Experimental and Computational Study Using ReO ₃ -Ir as the Catalyst. <i>ACS Catalysis</i> , 2019, 9, 485-503.	11.2	40
52	One-Step Approach to 2,5-Diformylfuran from Fructose over Molybdenum Oxides Supported on Carbon Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 315-323.	6.7	27
53	A rigid planar low band gap polymer PTTDPP-DT-DTT for heterojunction solar cell: a study of density functional theory. <i>Theoretical Chemistry Accounts</i> , 2018, 137, 1.	1.4	3
54	High-Performance Ni-Fe Redox Catalysts for Selective CH ₄ to Syngas Conversion via Chemical Looping. <i>ACS Catalysis</i> , 2018, 8, 1748-1756.	11.2	72

#	ARTICLE	IF	CITATIONS
55	The effect of twisted D _{4h} configuration on electron transfer and photo-physics characteristics. <i>Molecular Physics</i> , 2018, 116, 1179-1191.	1.7	2
56	Investigation on thermal dechlorination and catalytic pyrolysis in a continuous process for liquid fuel recovery from mixed plastic wastes. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 137-146.	3.0	19
57	MoO ₃ -Containing Protonated Nitrogen Doped Carbon as a Bifunctional Catalyst for One-Step Synthesis of 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 284-291.	6.7	48
58	Structure, stability, electronic, magnetic, and catalytic properties of monometallic Pd, Au, and bimetallic Pd@Au core-shell nanoparticles. <i>Journal of Chemical Physics</i> , 2018, 149, 244307.	3.0	3
59	Ru/Al ₂ O ₃ catalyzed CO ₂ hydrogenation: Oxygen-exchange on metal-support interfaces. <i>Journal of Catalysis</i> , 2018, 367, 194-205.	6.2	74
60	Photoactuated Properties of Acetylene-Congeners Non-Metallic Dyes and Molecular Design for Solar Cells. <i>Materials</i> , 2018, 11, 2027.	2.9	0
61	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel ZnMn _x Co _{2-x} O ₄ Oxides for the Oxidation Reaction. <i>ACS Catalysis</i> , 2018, 8, 8568-8577.	11.2	68
62	Amorphous/Crystalline Hetero-Phase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018, 30, e1803234.	21.0	231
63	Experimental and Theoretical Investigation of the Photoelectrical Properties of Tetrabromophenol Blue- and Bromoxyleneol Blue-Based Solar Cells. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-13.	2.7	4
64	Improved stability of Y ₂ O ₃ supported Ni catalysts for CO ₂ methanation by precursor-determined metal-support interaction. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 504-512.	20.2	99
65	On the role of water in selective hydrogenation of cinnamaldehyde to cinnamyl alcohol on PtFe catalysts. <i>Journal of Catalysis</i> , 2018, 364, 192-203.	6.2	87
66	Cu@Ni core-shell nanoparticles: structure, stability, electronic, and magnetic properties: a spin-polarized density functional study. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	13
67	Electron transfer dependent catalysis of Pt on N-doped carbon nanotubes: Effects of synthesis method on metal-support interaction. <i>Journal of Catalysis</i> , 2017, 348, 100-109.	6.2	126
68	A DFT Study of the Structures and Photoelectric Properties of Benzodithiophene-Based Molecules by Replacing Sulfur with a Variety of Heteroatoms (O, N, P, Si, Se). <i>ChemistrySelect</i> , 2017, 2, 3838-3847.	1.5	1
69	Tuning the Electron Transport and Electron-Accepting Abilities of Dyes through Introduction of Different Conjugated Bridges and Acceptors for Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2017, 18, 366-383.	2.1	33
70	Sub-Surface Boron-Doped Copper for Methane Activation and Coupling: First-Principles Investigation of the Structure, Activity, and Selectivity of the Catalyst. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1099-1112.	3.1	50
71	Double-anchoring organic dyes for dye-sensitized solar cells: the opto-electronic property and performance. <i>New Journal of Chemistry</i> , 2017, 41, 12808-12829.	2.8	13
72	Heterojunction-Assisted Co ₃ S ₄ @Co ₃ O ₄ Core-Shell Octahedrons for Supercapacitors and Both Oxygen and Carbon Dioxide Reduction Reactions. <i>Small</i> , 2017, 13, 1701724.	10.0	90

#	ARTICLE	IF	CITATIONS
73	Non-Fullerene Acceptor-Based Solar Cells: From Structural Design to Interface Charge Separation and Charge Transport. <i>Polymers</i> , 2017, 9, 692.	4.5	29
74	Investigation into the Catalytic Activity of Microporous and Mesoporous Catalysts in the Pyrolysis of Waste Polyethylene and Polypropylene Mixture. <i>Energies</i> , 2016, 9, 431.	3.1	42
75	An Air-Stable Densely Packed Phosphorene-Graphene Composite Toward Advanced Lithium Storage Properties. <i>Advanced Energy Materials</i> , 2016, 6, 1600453.	19.5	167
76	Lithium Storage: An Air-Stable Densely Packed Phosphorene-Graphene Composite Toward Advanced Lithium Storage Properties (<i>Adv. Energy Mater.</i> 12/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	2
77	Cobalt(II) acetylacetonate complex immobilized on aminosilane-modified SBA-15 as an efficient catalyst for epoxidation of <i>cis</i> -stilbene with molecular oxygen. <i>Applied Organometallic Chemistry</i> , 2016, 30, 435-440.	3.5	20
78	Hydrothermally driven three-dimensional evolution of mesoporous hierarchical europium oxide hydrangea microspheres for non-enzymatic sensors of hydrogen peroxide detection. <i>Environmental Science: Nano</i> , 2016, 3, 701-706.	4.3	15
79	A novel W-doped Ni-Mg mixed oxide catalyst for CO ₂ methanation. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 108-116.	20.2	155
80	Understanding the role of hydrogen bonding in Brønsted acidic ionic liquid-catalyzed transesterification: a combined theoretical and experimental investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32723-32734.	2.8	14
81	The thermodynamics analysis and experimental validation for complicated systems in CO ₂ hydrogenation process. <i>Journal of Energy Chemistry</i> , 2016, 25, 1027-1037.	12.9	72
82	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. <i>Advanced Materials</i> , 2016, 28, 10282-10286.	21.0	148
83	Controlled Synthesis of 3D Nanoplate-Assembled La ₂ O ₃ Hierarchical Microspheres for Enzyme-Free Detection of Hydrogen Peroxide. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500833.	3.7	8
84	Multiscale characteristics dynamics of hydrochar from hydrothermal conversion of sewage sludge under sub- and near-critical water. <i>Bioresource Technology</i> , 2016, 211, 486-493.	9.6	94
85	Amino acid modified copper electrodes for the enhanced selective electroreduction of carbon dioxide towards hydrocarbons. <i>Energy and Environmental Science</i> , 2016, 9, 1687-1695.	30.8	290
86	Highly selective gas-phase oxidation of ethanol to ethyl acetate over bi-functional Pd/zeolite catalysts. <i>Green Chemistry</i> , 2016, 18, 3048-3056.	9.0	15
87	Efficient dehydration of fructose to 5-hydroxymethylfurfural over sulfonated carbon sphere solid acid catalysts. <i>Catalysis Today</i> , 2016, 264, 123-130.	4.4	124
88	Selectivity switching resulting in the formation of benzene by surface carbonates on ceria in catalytic gas-phase oxidation of benzyl alcohol. <i>Chemical Communications</i> , 2016, 52, 2827-2830.	4.1	11
89	Promoting role of bismuth on carbon nanotube supported platinum catalysts in aqueous phase aerobic oxidation of benzyl alcohol. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 118-126.	20.2	62
90	Biomass Oxidation: Formyl C-H Bond Activation by the Surface Lattice Oxygen of Regenerative CuO Nanoleaves. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8928-8933.	13.8	64

#	ARTICLE	IF	CITATIONS
91	Catalytic oxidation of cellobiose over TiO ₂ supported gold-based bimetallic nanoparticles. <i>Catalysis Science and Technology</i> , 2015, 5, 2393-2405.	4.1	39
92	Effective Nitrogen Removal and Recovery from Dewatered Sewage Sludge Using a Novel Integrated System of Accelerated Hydrothermal Deamination and Air Stripping. <i>Environmental Science & Technology</i> , 2015, 49, 6872-6880.	10.0	191
93	Interim Anatase Coating Layer Stabilizes Rutile@Cr _x O _y Photoanode for Visible-Light-Driven Water Oxidation. <i>ChemPhysChem</i> , 2015, 16, 1352-1355.	2.1	8
94	Frontispiece: Biomass Oxidation: Formyl C-H Bond Activation by the Surface Lattice Oxygen of Regenerative CuO Nanoleaves. <i>Angewandte Chemie - International Edition</i> , 2015, 54, n/a-n/a.	13.8	0
95	Mechanistic and kinetic studies on biodiesel production catalyzed by an efficient pyridinium based ionic liquid. <i>Green Chemistry</i> , 2015, 17, 4271-4280.	9.0	24
96	Mesoporous Metal-Organic Frameworks with Size, Shape, and Space-Distribution-Controlled Pore Structure. <i>Advanced Materials</i> , 2015, 27, 2923-2929.	21.0	217
97	Functionalized Carbon Nanotubes for Biomass Conversion: The Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid over Platinum Supported on a Carbon Nanotube Catalyst. <i>ChemCatChem</i> , 2015, 7, 2853-2863.	3.7	113
98	Metallic Nanocatalysis: An Accelerating Seamless Integration with Nanotechnology. <i>Small</i> , 2015, 11, 268-289.	10.0	92
99	Titania-Supported Gold Nanoparticles as Efficient Catalysts for the Oxidation of Cellobiose to Organic Acids in Aqueous Medium. <i>ChemCatChem</i> , 2014, 6, 2105-2114.	3.7	36
100	Base-Free Aerobic Oxidation of 5-Hydroxymethyl-furfural to 2,5-Furandicarboxylic Acid in Water Catalyzed by Functionalized Carbon Nanotube-Supported Au-Pd Alloy Nanoparticles. <i>ACS Catalysis</i> , 2014, 4, 2175-2185.	11.2	353
101	Novel Frequency Dispersion of Permeability in Nickel Ferrites with Different Amounts of Cobalt Doping. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	1
102	Controlled incorporation of nanoparticles in metal-organic framework hybrid thin films. <i>Chemical Communications</i> , 2014, 50, 4296.	4.1	38
103	Achieving high performance electromagnetic wave attenuation: a rational design of silica coated mesoporous iron microcubes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7583.	5.5	75
104	A Family of Metal-Organic Frameworks Exhibiting Size-Selective Catalysis with Encapsulated Noble-Metal Nanoparticles. <i>Advanced Materials</i> , 2014, 26, 4056-4060.	21.0	396
105	Liquid-phase hydrogenation of cinnamaldehyde over Cu-Au/SiO ₂ catalysts. <i>AIChE Journal</i> , 2014, 60, 3300-3311.	3.6	35
106	Optimization and statistical analysis of Au-ZnO/Al ₂ O ₃ catalyst for CO oxidation. <i>Journal of Energy Chemistry</i> , 2013, 22, 498-505.	12.9	0
107	Vapor-phase hydrogenation of dimethyl oxalate over a CNTs-Cu-SiO ₂ hybrid catalyst with enhanced activity and stability. <i>RSC Advances</i> , 2013, 3, 11782.	3.6	16
108	Microwave-assisted synthesis of PtRu/CNT and PtSn/CNT catalysts and their applications in the aerobic oxidation of benzyl alcohol in base-free aqueous solutions. <i>Catalysis Science and Technology</i> , 2013, 3, 328-338.	4.1	27

#	ARTICLE	IF	CITATIONS
109	Toward the decoration of Pt nanoparticles supported on carbon nanotubes with Fe oxides and its effect on the catalytic reaction. <i>Applied Catalysis A: General</i> , 2012, 435-436, 131-140.	4.3	29
110	Synthesis of Fe ₃ O ₄ and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. <i>Nanoscale</i> , 2012, 4, 2478.	5.6	131
111	In situ growth of Au nanoparticles on Fe ₂ O ₃ nanocrystals for catalytic applications. <i>CrystEngComm</i> , 2012, 14, 7229.	2.6	48
112	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , 2012, 4, 310-316.	13.6	1,857
113	Palladium nanoparticles supported on manganese oxide-CNT composites for solvent-free aerobic oxidation of alcohols: Tuning the properties of Pd active sites using MnOx. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 166-174.	20.2	55
114	Promoted aerobic oxidation of benzyl alcohol on CNT supported platinum by iron oxide. <i>Chemical Communications</i> , 2011, 47, 7473.	4.1	64
115	Pd catalysts supported on MnCeOx mixed oxides and their catalytic application in solvent-free aerobic oxidation of benzyl alcohol: Support composition and structure sensitivity. <i>Journal of Catalysis</i> , 2011, 283, 34-44.	6.2	140
116	Aerobic Oxidation of Benzyl Alcohol over Activated Carbon Supported Manganese and Vanadium Catalysts: Effect of Surface Oxygen-Containing Groups. <i>Catalysis Letters</i> , 2011, 141, 149-157.	2.6	18
117	Atomic carbon adsorption on Ni nanoclusters: a DFT study. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 17-24.	1.4	32
118	Carbon nanotube-supported Pt-based bimetallic catalysts prepared by a microwave-assisted polyol reduction method and their catalytic applications in the selective hydrogenation. <i>Journal of Catalysis</i> , 2010, 276, 314-326.	6.2	136
119	Aggregation-Dependent Photoluminescence Sidebands in Single-Walled Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6704-6711.	3.1	12
120	IN SITU FORMATION OF COBALT NANOCLUSTERS IN SOL-GEL SILICA FILMS FOR SINGLE-WALLED CARBON NANOTUBE GROWTH. <i>Nano</i> , 2009, 04, 99-106.	1.0	5
121	Effect of different catalyst supports on the (n,m) selective growth of single-walled carbon nanotube from Co-Mo catalyst. <i>Journal of Materials Science</i> , 2009, 44, 3285-3295.	3.7	60
122	Statistical Modelling and Analysis of the Aerobic Oxidation of Benzyl Alcohol over Mn/C Catalysts. <i>Catalysis Letters</i> , 2009, 128, 210-220.	2.6	18
123	A Non-sodium Synthesis of Highly Ordered V-MCM-41 and Its Catalytic Application in Isomerization. <i>Catalysis Letters</i> , 2009, 129, 478-485.	2.6	14
124	Effect of Centrifugation on the Purity of Single-Walled Carbon Nanotubes from MCM-41 Containing Cobalt. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17567-17575.	3.1	26
125	Pressure-Induced Single-Walled Carbon Nanotube (n,m) Selectivity on Co-Mo Catalysts. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14612-14616.	3.1	72
126	Formation of Size Controllable Sub-nanometer Metallic Clusters by Pore Radius of Curvature Effect and the Stability Explained by Anchoring/Occlusion Effect. <i>Studies in Surface Science and Catalysis</i> , 2007, 172, 321-324.	1.5	2

#	ARTICLE	IF	CITATIONS
127	Radius of Curvature Effect on the Selective Oxidation of Cyclohexene Over Highly Ordered V-MCM-41. Catalysis Letters, 2007, 117, 25-33.	2.6	7
128	Chemoselective Oxidation of Glycerol over Platinum-Based Catalysts: toward the Role of Oxide Promoter. ChemCatChem, 0, , .	3.7	2