大连化物所科技论文奖励申报表

（百次引用论文奖）

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| --- | --- | --- | --- | --- | --- |
| **论文题目** | **Reactions over catalysts confined in carbon nanotubes** | | | | |
| **作者（英文）** | **Pan, Xiulian； Bao, Xinhe** | | | | |
| **作者（中文）** | **潘秀莲；包信和** | | | | |
| **期刊名称** | **CHEMICAL COMMUNICATIONS** | | | | |
| **发表日期** | **2008** | **卷** | **47** | **起止页码** | **6271-6281** |
| **总引用次数** | **123** | | | **他引次数** | **107** |
| **填表人** | 我保证填写内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字年月日** | | | | |
| **通讯作者** | 我保证申报内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字年月日** | | | | |
| **研究组长** | 我已按管理办法和申报说明对申报内容进行了审核，保证申报内容的真实性，若填报失实和违反管理办法，本人将承担全部责任。  **签字年月日** | | | | |

说明：1、申请本年度百次引用论文奖的论文发表时间为2005-2014年；2、引用检索数库为Web of Science数据库核心合集的SCI-E，他引次数须超过100次；3、引用数据检索截止时间为2014年12月31日；4、他引：是指剔除了申报奖励论文（即被引用论文）所有作者的全部引用文献。例：某篇申报奖励论文有作者a、b、c、d、e，他引是指引用此篇论文的所有文献作者中，不能有a、b、c、d、e的任何一位。

百次引用论文奖引用论文清单

（他引）

**一、引用论文第一产权单位为国外机构**

第 1 条，共53条

标题: A highly active recyclable gold-graphene nanocomposite material for oxidative esterification and Suzuki cross-coupling reactions in green pathway

作者: Mondal, Paramita ; Salam, Noor; Mondal, Avijit ; Ghosh, Kajari; Tuhina, K ; Islam, Sk Manirul

来源出版物: JOURNAL OF COLLOID AND INTERFACE SCIENCE卷:459页:97-106出版年: DEC 1 2015

第2条，共53条

标题: Low temperature steam reforming of ethanol over advanced carbon nanotube-based catalysts

作者: Seelam, Prem Kumar ; Rautio, Anne-Riikka ; Huuhtanen, Mika ; Kordas, Krisztian ; Keiski, Riitta L

来源出版物: GREEN PROCESSING AND SYNTHESIS卷: 4页: 355-368出版年: OCT 2015

第3条，共53条

标题: Methanol synthesis over Cu-ZnO aggregates supported on carbon nanotubes

作者: Grossmann, Dennis; Dreier, Axel ; Lehmann, Christian ; Gruenert, Wolfgang

来源出版物: APPLIED CATALYSIS A-GENERAL卷: 504页:351-360出版年: SEP 5 2015

第 4 条，共53条

标题: Ultra-small Palladium Nanoparticle Decorated Carbon Nanotubes: Conductivity and Reactivity

作者: Li, Xiuting; Batchelor-McAuley, Christopher; Tschulik, Kristina ; Shao, Lidong; Compton, Richard G

来源出版物: CHEMPHYSCHEM卷:16页:2322-2325出版年: AUG 3 2015

第 5 条，共53条

标题: Filling of carbon nanotubes and nanofibres

作者: Gately, Reece D; Panhuis, Marc In Het

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY卷:6页:508-516出版年: FEB 19 2015

第 6 条，共53条

标题: Encapsulation of copper and zinc oxide nanoparticles inside small diameter carbon nanotubes

作者: Grossmann, Dennis; Dreier, Axel ; Lehmann, Christian W ; Gruenert, Wolfgang

来源出版物: MICROPOROUS AND MESOPOROUS MATERIALS卷:202页:189-197出版年: JAN 15 2015

第 7 条，共53条

标题: Magnetite (Fe3O4)-filled carbon nanofibers as electro-conducting/superparamagnetic nanohybrids and their multifunctional polymer composites

作者: Das, Arindam; Raffi, Muhammad; Megaridis, Constantine; Fragouli, Despina ; Innocenti, Claudia; Athanassiou, Athanassia

来源出版物: JOURNAL OF NANOPARTICLE RESEARCH卷:17页:出版年: JAN 11 2015

第 8 条，共53条

标题: Microscopy investigations of the microstructural change and thermal response of cobalt-based nanoparticles confined inside a carbon nanotube medium

作者: Baaziz, Walid; Florea, Ileana; Moldovan, Simona; Papaefthimiou, Vasiliki; Zafeiratos, Spyridon ; Begin-Colin, Sylvie; Begin, Dominique; Ersen, Ovidiu ; Cuong Pham-Huu

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷:3页: 11203-11214出版年: 2015

第 9 条，共53条

标题: Carbon nanotube catalysts: recent advances in synthesis, characterization and applications

作者: Yan, Yibo; Miao, Jianwei ; Yang, Zhihong; Xiao, Fang-Xing ; Yang, Hong Bin ; Liu, Bin ; Yang, Yanhui

来源出版物: CHEMICAL SOCIETY REVIEWS卷:44页: 3295-3346出版年: 2015

第 10 条，共53条

标题: Sonication-induced effects on carbon nanofibres in composite materials

作者: Gately, Reece D; Warren, Holly; Scardamaglia, Mattia ; Romeo, Tony ; Bittencourt, Carla; Panhuis, Marc Het

来源出版物: RSC ADVANCES卷:5页: 19587-19595出版年: 2015

第 11 条，共53条

标题: Toward stable nickel catalysts for aqueous phase reforming of biomass-derived feedstock under reducing and alkaline conditions

作者: van Haasterecht, T ; Ludding, C. C. I. ; de Jong, K. P ; Bitter, J. H

来源出版物: JOURNAL OF CATALYSIS卷:319页:27-35出版年: NOV 2014

第 12 条，共53条

标题: Noncovalent Interaction of Carbon Nanostructures

作者: Umadevi, Deivasigamani; Panigrahi, Swati ; Sastry, Garikapati Narahari

来源出版物: ACCOUNTS OF CHEMICAL RESEARCH卷:47页:2574-5281出版年: AUG 2014

第 13 条，共53条

标题: Multiple Ambient Hydrolysis Deposition of Tin Oxide into Nanoporous Carbon To Give a Stable Anode for Lithium-Ion Batteries

作者: Raju, Vadivukarasi ; Wang, Xingfeng ; Luo, Wei; Ji, Xiulei

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL卷:20页:7686-7691出版年: JUN 16 2014

第 14 条，共53条

标题: Unpromoted and Mn-Promoted Cobalt Catalyst Supported on Carbon Nanotubes for Fischer-Tropsch Synthesis

作者: Rose, Amadeus; Thiessen, Johannes ; Jess, Andreas ; Curulla-Ferre, Daniel

来源出版物: CHEMICAL ENGINEERING & TECHNOLOGY卷:37页:683-691出版年: APR 2014

第 15 条，共53条

标题: Cl(-) Exchange S(N)2 Reaction inside Carbon Nanotubes: C-H center dot center dot center dot pi and Cl center dot center dot center dot pi Interactions Govern the Course of the Reaction

作者: Giacinto, Pietro ; Bottoni, Andrea ; Calvaresi, Matteo ; Zerbetto, Francesco

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:118页:5032-5040出版年: MAR 6 2014

第 16 条，共53条

标题: Fe@CNT-monoliths for the conversion of carbon dioxide to hydrocarbons: structural characterisation and Fischer-Tropsch reactivity investigations

作者: Minett, Daniel R ; O'Byrne, Justin P; Pascu, Sofia I; Plucinski, Pawel K; Owen, Rhodri E ; Jones, Matthew D; Mattia, Davide)

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷:4页: 3351-3358出版年: 2014

第 17 条，共53条

标题: Catalytic nanoreactors in continuous flow: hydrogenation inside single-walled carbon nanotubes using supercritical CO2

作者: Chamberlain, Thomas W; Earley, James H ; Anderson, Daniel P ; Khlobystov, Andrei N ; Bourne, Richard A

来源出版物: CHEMICAL COMMUNICATIONS卷:50页: 5200-5202出版年: 2014

第 18 条，共53条

标题: Iron-containing SBA-15 as catalyst for partial oxidation of hydrogen sulfide

作者: Reyes-Carmona, Alvaro; Dolores Soriano, Ma ; Lopez Nieto, Jose M; Jones, Deborah J ; Jimenez-Jimenez, Jose ; Jimenez-Lopez, Antonio ; Rodriguez-Castellon, Enrique

来源出版物: CATALYSIS TODAY卷:210页:117-123出版年: JUL 1 2013

第 19 条，共53条

标题: Facile solid-state synthesis of Cu-Zn-Ocatalysts for novel ethanol synthesis from dimethyl ether (DME) and syngas (CO + H-2)

作者: Wang, Ding; Yang, Guohui; Ma, Qingxiang; Yoneyama, Yoshiharu ; Tan, Yisheng ; Han, Yizhuo; Tsubaki, Noritatsu

来源出版物: FUEL卷:109页:54-60出版年: JUL 2013

第 20 条，共53条

标题: Metal-supported catalysts encapsulated in mesoporous solids: Challenges and opportunities of a model concept

作者: Gruenert, Wolfgang; Gies, Hermann ; Muhler, Martin ; Polarz, Sebastian ; Lehmann, Christian W; Grossmann, Dennis ; van den Berg, Maurits; Tkachenko, Olga P; De Toni, Andrea ; Sinev, Ilya

来源出版物: PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS卷:250页:1081-1093出版年: JUN 2013

第 21 条，共53条

标题: Recent Progress in Chemoselective Hydrogenation of alpha,beta-Unsaturated Aldehyde to Unsaturated Alcohol Over Nanomaterials

作者: Yuan, Yuan ; Yao, Siyu ; Wang, Mengnan ; Lou, Shujie ; Yan, Ning

来源出版物: CURRENT ORGANIC CHEMISTRY卷:17页:400-413出版年: FEB 2013

第 22 条，共53条

标题: Carbon Nanomaterials in Catalysis: Proton Affinity, Chemical and Electronic Properties, and their Catalytic Consequences

作者: Zhu, Jun ; Holmen, Anders; Chen, De

来源出版物: CHEMCATCHEM卷:5页:378-401出版年: FEB 2013

第 23 条，共53条

标题: Efficient and reusable graphene-gamma-Fe2O3 magnetic nano-composite for selective oxidation and one-pot synthesis of 1,2,3-triazole using a green solvent

作者: Salam, Noor; Sinha, Arjyabaran ; Mondal, Paramita ; Roy, Anupam Singha ; Jana, Nikhil R ; Islam, Sk. Manirul

来源出版物: RSC ADVANCES卷:3页: 18087-18098出版年: 2013

第 24 条，共53条

标题: Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface

作者: Wang, Li ; Chen, Jiuling ; Ge, Lei; Rudolph, Victor; Zhu, Zhonghua

来源出版物: RSC ADVANCES卷:3页: 12641-12647出版年: 2013

第 25 条，共53条

标题: Self-Assembling Neodymium/Sodium Heterobimetallic Asymmetric Catalyst Confined in a Carbon Nanotube Network

作者: Ogawa, Takanori ; Kumagai, Naoya ; Shibasaki, Masakatsu

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷:52页: 6196-6201出版年: 2013

第 26 条，共53条

标题: Functionalization of multi-walled carbon nanotubes using water-assisted chemical vapor deposition

作者: Ran, Maofei ; Sun, Wenjing ; Liu, Yan ; Chu, Wei; Jiang, Chengfa

来源出版物: JOURNAL OF SOLID STATE CHEMISTRY卷:197页:517-522出版年: JAN 2013

第 27 条，共53条

标题: Nanocatalysts for conversion of natural gas to liquid fuels and petrochemical feedstocks

作者: Gharibi, Mahtab; Zangeneh, Farnaz Tahriri ; Yaripour, Fereydoon ; Sahebdelfar, Saeed

来源出版物: APPLIED CATALYSIS A-GENERAL卷:443页:8-26出版年: NOV 7 2012

第 28 条，共53条

标题: Antisolvent Precipitation for the Synthesis of Monodisperse Mesoporous Niobium Oxide Spheres as Highly Effective Solid Acid Catalysts

作者: Li, Cheng Chao ; Dou, Jian; Chen, Luwei; Lin, Jianyi ; Zeng, Hua Chun

来源出版物: CHEMCATCHEM卷:4页:1675-1682出版年: OCT 2012

第 29 条，共53条

标题: The creep behaviour of poly(vinylidene fluoride)/"bud-branched" nanotubes nanocomposites

作者: Tang, Xue-Gang ; Hou, Meng ; Zou, Jin ; Truss, Rowan ; Zhu, Zhonghua

来源出版物: COMPOSITES SCIENCE AND TECHNOLOGY卷:72页:1656-1664出版年: SEP 17 2012

第 30 条，共53条

标题: Comparison of Nanoscaled Palladium Catalysts Supported on Various Carbon Allotropes

作者: Puskas, R ; Sapi, A; Kukovecz, A ; Konya, Z

来源出版物: TOPICS IN CATALYSIS卷:55页:865-872出版年: AUG 2012

第 31 条，共53条

标题: Multiwalled Carbon Nanotubes Drive the Activity of Metal@oxide Core-Shell Catalysts in Modular Nanocomposites

作者: Cargnello, Matteo; Grzelczak, Marek ; Rodriguez-Gonzalez, Benito ; Syrgiannis, Zois ; Bakhmutsky, Kevin ; La Parola, Valeria; Liz-Marzan, Luis M; Gorte, Raymond J ; Prato, Maurizio; Fornasiero, Paolo

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY卷:134页:11760-11766出版年: JUL 18 2012

第 32 条，共53条

标题: Interactions and Reactions of Transition Metal Clusters with the Interior of Single-Walled Carbon Nanotubes Imaged at the Atomic Scale

作者: Zoberbier, Thilo ; Chamberlain, Thomas W ; Biskupek, Johannes; Kuganathan, Navaratnarajah; Eyhusen, Soeren ; Bichoutskaia, Elena ; Kaiser, Ute; Khlobystov, Andrei N

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY卷:134页:3073-3079出版年: FEB 15 2012

第 33 条，共53条

标题: Toughening and reinforcement of poly(vinylidene fluoride) nanocomposites with "bud-branched" nanotubes

作者: Tang, Xue-Gang ; Hou, Meng; Zou, Jin; Truss, Rowan ; Yang, Mingbo; Zhu, Zhonghua

来源出版物: COMPOSITES SCIENCE AND TECHNOLOGY卷:72页:263-268出版年: JAN 18 2012

第 34 条，共53条

标题: Rheological Behaviors of Poly(Vinylidene Fluoride)/"Bud-Branched" Nanotubes Nanocomposites

作者: Tang, Xue-Gang; Hou, Meng; Zou, Jin ; Truss, Rowan ; Zhu, Zhonghua ; Yang, Wei

来源出版物: JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS卷:51页: 1498-1508出版年: 2012

第 35 条，共53条

标题: Inside/outside Pt nanoparticles decoration of functionalised carbon nanofibers (Pt-19.2/f-CNF80.8) for sensitive non-enzymatic electrochemical glucose detection

作者: Singh, Baljit ; Dempsey, Eithne ; Dickinson, Calum ; Laffir, Fathima

来源出版物: ANALYST卷:137页: 1639-1648出版年: 2012

第 36 条，共53条

标题: Enhanced Visible-Light Activity of Titania via Confinement inside Carbon Nanotubes

作者: Chen, Wei ; Fan, Zhongli ; Zhang, Bei; Ma, Guijun ; Takanabe, Kazuhiro ; Zhang, Xixiang ; Lai, Zhiping

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY卷:133页:14896-14899出版年: SEP 28 2011

第 37 条，共53条

标题: Halloysite-Nanotube-Supported Ru Nanoparticles for Ammonia Catalytic Decomposition to Produce COx-Free Hydrogen

作者: Wang, Li ; Chen, Jiuling ; Ge, Lei ; Zhu, Zhonghua ; Rudolph, Victor

来源出版物: ENERGY & FUELS卷:25页:3408-3416出版年: AUG 2011

第 38 条，共53条

标题: Colloidal Supported Metal Nanoparticles (CSMNs) as Effective Nanocatalysts for Liquid-Phase Suzuki Cross-Coupling Reactions

作者: Gude, Kalyani ; Narayanan, Radha

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:115页:12716-12725出版年: JUL 7 2011

第 39 条，共53条

标题: Encapsulation of single-molecule magnets in carbon nanotubes

作者: Gimenez-Lopez, Maria del Carmen; Moro, Fabrizio ; La Torre, Alessandro ; Gomez-Garcia, Carlos J ; Brown, Paul D; van Slageren, Joris ; Khlobystov, Andrei N

来源出版物: NATURE COMMUNICATIONS卷:2页:出版年: JUL 2011

第 40 条，共53条

标题: Creating and mastering nano-objects to design advanced catalytic materials

作者: Centi, Gabriele ; Perathoner, Siglinda

来源出版物: COORDINATION CHEMISTRY REVIEWS卷:255页:1480-1498出版年: JUL 2011

第 41 条，共53条

标题: A comparison study of catalytic oxidation and acid oxidation to prepare carbon nanotubes for filling with Ru nanoparticles

作者: Wang, Li ; Ge, Lei ; Rufford, Thomas E; Chen, Jiuling ; Zhou, Wei ; Zhu, Zhonghua ; Rudolph, Victor

来源出版物: CARBON卷:49页:2022-2032出版年: MAY 2011

第 42 条，共53条

标题: Investigation of Gas Permeability in Carbon Nanotube (CNT)-Polymer Matrix Membranes via Modifying CNTs with Functional Groups/Metals and Controlling Modification Location

作者: Ge, Lei ; Zhu, Zhonghua; Li, Feng ; Liu, Shaomin ; Wang, Li ; Tang, Xuegang ; Rudolph, Victor

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:115页:6661-6670出版年: APR 14 2011

第 43 条，共53条

标题: Effect of surface oxygen containing groups on the catalytic activity of multi-walled carbon nanotube supported Pt catalyst

作者: Wang, Xiaoming ; Li, Nan ; Webb, Jeffrey A ; Pfefferle, Lisa D; Haller, Gary L

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷:101页:21-30出版年: NOV 22 2010

第 44 条，共53条

标题: Electronic state of carbon in nanostructured composites produced by co-carbonization of aromatic heavy oil and ferrocene

作者: Bulusheva, L. G ; Okotrub, A. V ; Fedoseeva, Yu. V;Shlyakhova, E. V ;Huo, J ;Song, H ; Chen, X

来源出版物: MATERIALS CHEMISTRY AND PHYSICS卷:122页:146-150出版年: JUL 1 2010

第 45 条，共53条

标题: Classical Trajectory Studies of the D + H-2 -> HD plus H Reaction Confined in Carbon Nanotubes: Effects of Collisions with the Nanotube Walls

作者: Lu, Tun ; Goldfield, Evelyn M; Gray, Stephen K

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:114页:9030-9040出版年: MAY 20 2010

第 46 条，共53条

标题: Electrocatalytic Reduction of CO(2) to Small Organic Molecule Fuels on Metal Catalysts

作者: Li, Wenzhen

来源出版物: ADVANCES IN CO2 CONVERSION AND UTILIZATION卷:1056页:55-76出版年: 2010

第 47 条，共53条

标题: Magnetically Separable Nanocatalysts: Bridges between Homogeneous and Heterogeneous Catalysis

作者: Shylesh, Sankaranarayanapillai ; Schuenemann, Volker ; Thiel, Werner R

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷:49页: 3428-3459出版年:2010

第 48 条，共53条

标题: Catalytically active self-assembled silica-based nanostructures containing supported nanoparticles

作者: Gonzalez-Arellano, Camino ; Mariana Balu, Alina ; Luque, Rafael ; Macquarrie, Duncan J

来源出版物: GREEN CHEMISTRY卷:12页: 1995-2002出版年: 2010

第 49 条，共53条

标题: Nanostructured carbons in catalysis a Janus material-industrial applicability and fundamental insights

作者: Bitter, J. H

来源出版物: JOURNAL OF MATERIALS CHEMISTRY卷:20页: 7312-7321出版年: 2010

第 50 条，共53条

标题: Stabilizing metal nanoparticles for heterogeneous catalysis

作者: Cao, Anmin ; Lu, Rongwen; Veser, Goetz

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷:12页: 13499-13510出版年: 2010

第 51 条，共53条

标题: Carbon Nanofiber with Selectively Decorated Pt Both on Inner and Outer Walls as an Efficient Electrocatalyst for Fuel Cell Applications

作者: Balan, Beena K; Unni, Sreekuttan M ; Kurungot, Sreekumar

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:113页:17572-17578出版年: OCT 8 2009

第 52 条，共53条

标题: Electrostatic Layer-by-Layer Assembled Au Nano particle/MWNT Thin Films: Microstructure, Optical Property, and Electrocatalytic Activity for Methanol Oxidation

作者: Kim, Junhyung ; Lee, Seung Woo ; Hammond, Paula T; Shao-Horn, Yang

来源出版物: CHEMISTRY OF MATERIALS卷:21页:2993-3001出版年: JUL 14 2009

第 53 条，共53条

标题: Sustainable Preparation of Supported Metal Nanoparticles and Their Applications in Catalysis

作者: Campelo, Juan M ; Luna, Diego ; Luque, Rafael ; Marinas, Jose M ; Romero, Antonio A

来源出版物: CHEMSUSCHEM卷:2页:18-45出版年: 2009

**二、引用论文第一产权单位为国内机构**

第 1 条，共54条

标题: Highly oxidized Pt species stabilized inside carbon nanotubes for asymmetric hydrogenation

作者: Guan, Zaihong ; Lu, Shengmei; Li, Can

来源出版物: CHINESE JOURNAL OF CATALYSIS卷: 36页: 1535-1542出版年: SEP 2015

第2条，共54条

标题: Recent Advances on the Design of Group VIII Base-Metal Catalysts with Encapsulated Structures

作者: Tian, Hao; Li, Xinyu; Zeng, Liang ; Gong, Jinlong

来源出版物: ACS CATALYSIS卷:5页:4959-4977出版年: AUG 2015

第3条，共54条

标题: Nano Ru catalysts supported on carbon nanotubes for cellobiose conversion to sugar alcohols: effects of CNT channel size

作者: Ran, Maofei ; Chu, Wei ; Liu, Yan ; Borgna, Armando

来源出版物: RSC ADVANCES卷: 5页: 103669-103673出版年: 2015

第 4 条，共54条

标题: A cheap and efficient catalyst with ultra-high activity for reduction of 4-nitrophenol

作者: Pan, Weicheng; Zhang, Shenghuan ; He, Fei; Gai, Shili; Sun, Yanbo ; Yang, Piaoping

来源出版物: CRYSTENGCOMM卷:17页: 5744-5750出版年: 2015

第 5 条，共54条

标题: Structure and catalytic activities of ferrous centers confined on the interface between carbon nanotubes and humic acid

作者: Wang, Bing ; Zhou, Xiaoyan ; Wang, Dongqi; Yin, Jun-Jie; Chen, Hanqing ; Gao, Xingfa; Zhang, Jing ; Ibrahim, Kurash; Chai, Zhifang ; Feng, Weiyue

来源出版物: NANOSCALE卷:7页: 2651-2658出版年: 2015

第 6 条，共54条

标题: Highly dispersed Fe2O3 on carbon nanotubes for low-temperature selective catalytic reduction of NO with NH3

作者: Qu, Zhenping; Miao, Lei; Wang, Hui ; Fu, Qiang

来源出版物: CHEMICAL COMMUNICATIONS卷:51页: 956-958出版年: 2015

第 7 条，共54条

标题: Novel SCR catalyst with superior alkaline resistance performance: enhanced self-protection originated from modifying protonated titanate nanotubes

作者: Wang, Penglu ; Wang, Haiqiang ; Chen, Xiongbo; Liu, Yue; Weng, Xiaole; Wu, Zhongbiao

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷:3页: 680-690出版年: 2015

第 8 条，共54条

标题: Yolk-Shell Nanoarchitectures with a Ru-Containing Core and a Radially Oriented Mesoporous Silica Shell: Facile Synthesis and Application for One-Pot Biomass Conversion by Combining with Enzyme

作者: Wei, Wei; Zhao, Yu; Peng, Shichao; Zhang, Haoyang; Bian, Yipeng; Li, Hexing; Li, Hui

来源出版物: ACS APPLIED MATERIALS & INTERFACES卷:6页:20851-20859出版年: DEC 20 2014

第 9 条，共54条

标题: The Effect of Nano Confinement on the C-H Activation and its Corresponding Structure-Activity Relationship

作者: Shao, Jing ; Yuan, Linghua ; Hu, Xingbang; Wu, Youting ; Zhang, Zhibing

来源出版物: SCIENTIFIC REPORTS卷:4页:出版年: NOV 27 2014

第 10 条，共54条

标题: Engineering nanointerfaces for nanocatalysis

作者: Zhang, Zhi-cheng ; Xu, Biao ; Wang, Xun

来源出版物: CHEMICAL SOCIETY REVIEWS卷:43页:7870-7886出版年: NOV 21 2014

第 11 条，共54条

标题: Enhancing the catalytic activity of carbon nanotubes by filled iron nanowires for selective oxidation of ethylbenzene

作者: Luo, Jin ; Yu, Hao ; Wang, Hongjuan ; Peng, Feng

来源出版物: CATALYSIS COMMUNICATIONS卷:51页:77-81出版年: JUN 5 2014

第 12 条，共54条

标题: Progress of nanoscience in China

作者: Zhao, Yu-Liang; Song, Yan-Lin ; Song, Wei-Guo ; Liang, Wei ; Jiang, Xing-Yu ; Tang, Zhi-Yong; Xu, Hong-Xing ; Wei, Zhi-Xiang ; Liu, Yun-Qi ; Liu, Ming-Hua

来源出版物: FRONTIERS OF PHYSICS卷:9页:257-288出版年: JUN 2014

第 13 条，共54条

标题: Low-temperature selective catalytic reduction of NO over MnOx/CNTs catalysts Effect of thermal treatment condition

作者: Wang, Xie ; Zheng, Yuying; Xu, Zhe; Liu, Xianbin ; Zhang, Yanbing

来源出版物: CATALYSIS COMMUNICATIONS卷:50页:34-37出版年: MAY 5 2014

第 14 条，共54条

标题: Filled cobalt nanoparticles into carbon nanotubes as a rapid and high-efficiency catalyst for selective epoxidation of styrene with molecular oxygen

作者: Shi, Zhi-Qiang; Dong, Zheng-Ping ; Sun, Jian; Zhang, Feng-Wei; Yang, Hong-Lei; Zhou, Jing-Hui; Zhu, Xiao-Hang ; Li, Rong

来源出版物: CHEMICAL ENGINEERING JOURNAL卷:237页:81-87出版年: FEB 1 2014

第 15 条，共54条

标题: Optimization methods of carbon nanotubes as supports

作者: Su Bushun; Wang Feng

来源出版物: New Chemical Materials卷:42页: 224-226出版年: 2014

第 16 条，共54条

标题: In situ assembly of well-dispersed Ni nanoparticles on silica nanotubes and excellent catalytic activity in 4-nitrophenol reduction

作者: Zhang, Shenghuan; Gai, Shili ; He, Fei; Ding, Shujiang ; Li, Lei ; Yang, Piaoping

来源出版物: NANOSCALE卷:6页: 11181-11188出版年: 2014

第 17 条，共54条

标题: Carbon-Doped TiO2 Nanotube Array Platform for Visible Photocatalysis

作者: Peng, Xiang; Fu, Jijiang; Zhang, Xuming ; Li, Yong ; Huang, Meng ; Huo, Kaifu ; Chu, Paul K

来源出版物: NANOSCIENCE AND NANOTECHNOLOGY LETTERS卷:5页:1251-1257出版年: DEC 2013

第 18 条，共54条

标题: Enhanced Conversion of Cellobiose to Sugar Alcohols by Controlled Dispersion of Ruthenium Nanoparticles Inside Carbon Nanotube Channels

作者: Ran, Maofei ; Liu, Yan ; Chu, Wei ; Borgna, Armando

来源出版物: CATALYSIS LETTERS卷:143页:1139-1144出版年: NOV 2013

第 19 条，共54条

标题: An unexpected effect of water on the asymmetric hydrogenation of alpha-ketoesters on platinum nanoparticles confined in carbon nanotubes

作者: Guan, Zaihong; Lu, Shengmei ; Chen, Zhijian ; Li, Can

来源出版物: JOURNAL OF CATALYSIS卷:305页:19-26出版年: SEP 2013

第 20 条，共54条

标题: Nanocarbons for the Development of Advanced Catalysts

作者: Su, Dang Sheng; Perathoner, Siglinda; Centi, Gabriele

来源出版物: CHEMICAL REVIEWS卷:113页:5782-5816出版年: AUG 2013

第 21 条，共54条

标题: Highly dispersed Mn-Ce mixed oxides supported on carbon nanotubes for low-temperature NO reduction with NH3

作者: Wang, Xie ; Zheng, Yuying ; Lin, Jinxian

来源出版物: CATALYSIS COMMUNICATIONS卷:37页:96-99出版年: JUL 5 2013

第 22 条，共54条

标题: Onion-like graphitic nanoshell structured Fe-N/C nanofibers derived from electrospinning for oxygen reduction reaction in acid media

作者: Yin, Jing; Qiu, Yejun ; Yu, Jie

来源出版物: ELECTROCHEMISTRY COMMUNICATIONS卷:30页:1-4出版年: MAY 2013

第 23 条，共54条

标题: Filling carbon nanotubes with Ni-Fe alloys via methylbenzene-oriented constant current electrodeposition for hydrazine electrocatalysis

作者: Wang, Jia ; Dong, Zhengping ; Huang, Jingwei ; Li, Jing ; Jin, Xiaodong; Niu, Jianrui ; Sun, Jian ; Jin, Jun ; Ma, Jiantai

来源出版物: APPLIED SURFACE SCIENCE卷:270页:128-132出版年: APR 1 2013

第 24 条，共54条

标题: The Key Role of pH Value in the Synthesis of Titanate Nanotubes-Loaded Manganese Oxides as a Superior Catalyst for the Selective Catalytic Reduction of NO with NH3

作者: Chen, Xiongbo ; Cen, Chaoping; Tang, Zhixiong ; Zeng, Wenhao ; Chen, Dingsheng; Fang, Ping; Chen, Zhihang

来源出版物: JOURNAL OF NANOMATERIALS卷:页:出版年: 2013

第 25 条，共54条

标题: Recent advances in understanding the key catalyst factors for Fischer-Tropsch synthesis

作者: Zhang, Qinghong ; Deng, Weiping; Wang, Ye

来源出版物: JOURNAL OF ENERGY CHEMISTRY卷:22页:27-38出版年: JAN 2013

第 26 条，共54条

标题: Remarkable carbon dioxide catalytic capture (CDCC) leading to solid-form carbon material via a new CVD integrated process (CVD-IP): An alternative route for CO2 sequestration

作者: Chu, Wei ; Ran, Maofei; Zhang, Xu ; Wang, Ning ; Wang, Yufei; Xie, Heping ; Zhao, Xiusong

来源出版物: JOURNAL OF ENERGY CHEMISTRY卷:22页:136-144出版年: JAN 2013

第 27 条，共54条

标题: Enhanced Lithium Ion Storage Property of Sn Nanoparticles: The Confinement Effect of Few-Walled Carbon Nanotubes

作者: Zhang, Hongkun ; Song, Huaihe ; Chen, Xiaohong ; Zhou, Jisheng

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:116页: 22774-22779出版年: NOV 1 2012

第 28 条，共54条

标题: Enhanced catalytic performance of CeO2 confined inside carbon nanotubes for dehydrogenation of ethylbenzene in the presence of CO2

作者: Rao, Richuan ; Zhang, Qingyun; Liu, Huade; Yang, Hongxiao; Ling, Qiang; Yang, Ming ; Zhang, Aimin ; Chen, Wei

来源出版物: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL卷:363页:283-290出版年: NOV 2012

第 29 条，共54条

标题: Effects of morphology and structure of titanate supports on the performance of ceria in selective catalytic reduction of NO

作者: Chen, Xiongbo ; Cao, Shuang; Weng, Xiaole ; Wang, Haiqiang ; Wu, Zhongbiao

来源出版物: CATALYSIS COMMUNICATIONS卷:26页:178-182出版年: SEP 5 2012

第 30 条，共54条

标题: Confinement Effect of Carbon Nanotubes: Copper Nanoparticles Filled Carbon Nanotubes for Hydrogenation of Methyl Acetate

作者: Wang, Ding; Yang, Guohui; Ma, Qingxiang ; Wu, Mingbo ; Tan, Yisheng ; Yoneyama, Yoshiharu ; Tsubaki, Noritatsu

来源出版物: ACS CATALYSIS卷:2页:1958-1966出版年: SEP 2012

第 31 条，共54条

标题: Effect of pH value on the microstructure and deNO(x), catalytic performance of titanate nanotubes loaded CeO2

作者: Chen, Xiongbo; Wang, Haiqiang ; Gao, Shan ; Wu, Zhongbiao

来源出版物: JOURNAL OF COLLOID AND INTERFACE SCIENCE卷:377页:131-136出版年: JUL 1 2012

第 32 条，共54条

标题: Manganese oxides supported on multi-walled carbon nanotubes for selective catalytic reduction of NO with NH3: Catalytic activity and characterization

作者: Wang, Lishan; Huang, Bichun; Su, Yanxia; Zhou, Guangying ; Wang, Keliang; Luo, Hongcheng ; Ye, Daiqi

来源出版物: CHEMICAL ENGINEERING JOURNAL卷:192页:232-241出版年: JUN 1 2012

第 33 条，共54条

标题: Easy synthesis of iron doped ordered mesoporous carbon with tunable pore sizes

作者: Tang, Haodong ; Lan, Guojun ; Zhong, Jian ; Liu, Huazhang ; Li, Ying

来源出版物: JOURNAL OF NATURAL GAS CHEMISTRY卷:21页:275-281出版年: MAY 2012

第 34 条，共54条

标题: Green synthesis of Au nanoparticles immobilized on halloysite nanotubes for surface-enhanced Raman scattering substrates

作者: Zhu, Han ; Du, MingLiang ; Zou, MeiLing ; Xu, CongSheng ; Fu, Yaqin

来源出版物: DALTON TRANSACTIONS卷:41页: 10465-10471出版年: 2012

第 35 条，共54条

标题: Confined Iron Nanowires Enhance the Catalytic Activity of Carbon Nanotubes in the Aerobic Oxidation of Cyclohexane

作者: Yang, Xixian; Yu, Hao; Peng, Feng; Wang, Hongjuan

来源出版物: CHEMSUSCHEM卷:5页:1213-1217出版年: 2012

第 36 条，共54条

标题: Selective catalytic reduction of NO over carbon nanotubes supported CeO2

作者: Chen, Xiongbo ; Gao, Shan ; Wang, Haiqiang ; Liu, Yue ; Wu, Zhongbiao

来源出版物: CATALYSIS COMMUNICATIONS卷:14页:1-5出版年: OCT 25 2011

第 37 条，共54条

标题: Novel H2Ti12O25-Confined CeO2 Catalyst with Remarkable Resistance to Alkali Poisoning Based on the "Shell Protection Effect"

作者: Chen, Xiongbo ; Wang, Haiqiang ; Wu, Zhongbiao ; Liu, Yue; Weng, Xiaole

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷:115页:17479-17484出版年: SEP 8 2011

第 38 条，共54条

标题: Doping effects of Ni-MgO on the structure and performance of carbon nanotube-supported Pt catalysts for preferential oxidation of CO in a H-2 stream

作者: Yang, Hongwei; Wang, Chao ; Li, Bodong ; Lin, Haiqiang ; Tanaka, Ken-ichi ; Yuan, Youzhu

来源出版物: APPLIED CATALYSIS A-GENERAL卷:402页:168-175出版年: JUL 31 2011

第 39 条，共54条

标题: Enhanced catalytic activity for selective catalytic reduction of NO over titanium nanotube-confined CeO2 catalyst

作者: Wang, Haiqiang; Chen, Xiongbo; Weng, Xiaole ; Liu, Yue ; Gao, Shan; Wu, Zhongbiao

来源出版物: CATALYSIS COMMUNICATIONS卷:12页:1042-1045出版年: JUN 10 2011

第 40 条，共54条

标题: Enhanced performance of Ru nanoparticles confined in carbon nanotubes for CO preferential oxidation in a H-2-rich stream

作者: Li, Bodong; Wang, Chao; Yi, Guangquan ; Lin, Haiqiang ; Yuan, Youzhu

来源出版物: CATALYSIS TODAY卷:164页:74-79出版年: APR 30 2011

第 41 条，共54条

标题: Core-shell structured nickel and ruthenium nanoparticles: Very active and stable catalysts for the generation of COx-free hydrogen via ammonia decomposition

作者: Yao, Lianghong ; Shi, Tianbao; Li, Yanxing ; Zhao, Jin; Ji, Weijie; Au, Chak-Tong

来源出版物: CATALYSIS TODAY卷:164页:112-118出版年: APR 30 2011

第 42 条，共54条

标题: Simple synthesis of semi-graphitized ordered mesoporous carbons with tunable pore sizes

作者: Li Ying ; Zhong Jian ; Yang Xia-zhen ; Lan Guo-jun; Tang Hao-dong; Liu Hua-zhang

来源出版物: NEW CARBON MATERIALS卷:26页:123-129出版年: APR 2011

第 43 条，共54条

标题: Confinement in Carbon Nanotubes and Its Catalytic Application

作者: Yang Hongxiao; Zhang Aimin

来源出版物: Journal of Nanjing Normal University. Natural Science卷:34页:64-71出版年: 2011

第 44 条，共54条

标题: Core-shell structured nanoparticles (M@SiO(2), Al(2)O(3), MgO; M=Fe, Co, Ni, Ru) and their application in CO(x)-free H(2) production via NH(3) decomposition

作者: Yao, L. H ; Li, Y. X; Zhao, J ; Ji, W. J ; Au, C. T

来源出版物: CATALYSIS TODAY卷:158页:401-408出版年: DEC 22 2010

第 45 条，共54条

标题: Development of Novel Catalysts for Fischer-Tropsch Synthesis: Tuning the Product Selectivity

作者: Zhang, Qinghong; Kang, Jincan; Wang, Y (Wang, Ye

来源出版物: CHEMCATCHEM卷:2页:1030-1058出版年: SEP 2010

第 46 条，共54条

标题: Graphene: Synthesis, Functionalization and Applications in Chemistry

作者: Hu Yao-Juan ; Jin Juan ; Zhang Hui ; Wu Ping ; Cai Chen-Xin

来源出版物: ACTA PHYSICO-CHIMICA SINICA卷:26页:2073-2086出版年: AUG 2010

第 47 条，共54条

标题: First-principles study of Ru atoms and clusters adsorbed outside and inside carbon nanotubes

作者: Gao, Haili; Zhao, Jijun

来源出版物: JOURNAL OF CHEMICAL PHYSICS卷:132页:出版年: JUN 21 2010

第 48 条，共54条

标题: Electron Tomography: From 3D Statics to 4D Dynamics

作者: Su, Dang Sheng

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷:49页: 9569-9571出版年: 2010

第 49 条，共54条

标题: Noncrystalline NiPB nanotubes for hydrogenation of p-chloronitrobenzene

作者: Mo, Min; Han, Ling; Lv, Jiangang ; Zhu, Yan ; Peng, Luming; Guo, Xuefeng; Ding, Weiping

来源出版物: CHEMICAL COMMUNICATIONS卷:46页: 2268-2270出版年: 2010

第 50 条，共54条

标题: Core-shell structured microcapsular-like Ru@SiO2 reactor for efficient generation of COx-free hydrogen through ammonia decomposition

作者: Li, Yanxing ; Yao, Lianghong ; Song, Yanyan ; Liu, Shunqiang; Zhao, Jing ; Ji, Weijie; Au, Chak-Tong

来源出版物: CHEMICAL COMMUNICATIONS卷:46页: 5298-5300出版年: 2010

第 51 条，共54条

标题: Preparation and electrochemical property of Fe2O3 nanoparticles-filled carbon nanotubes

作者: Yu, Wan-Jing ; Hou, Peng-Xiang ; Zhang, Li-Li ; Li, Feng ; Liu, Chang ; Cheng, Hui-Ming

来源出版物: CHEMICAL COMMUNICATIONS卷:46页: 8576-8578出版年: 2010

第 52 条，共54条

标题: Advanced Materials from Natural Materials: Synthesis of Aligned Carbon Nanotubes on Wollastonites

作者: Zhao, Meng-Qiang; Zhang, Qiang ; Huang, Jia-Qi ; Nie, Jing-Qi ; Wei, Fei

来源出版物: CHEMSUSCHEM卷:3页: 453-459出版年: 2010

第 53 条，共54条

标题: Conversion of Cellulose into Sorbitol over Carbon Nanotube-Supported Ruthenium Catalyst

作者: Deng, Weiping; Tan, Xuesong ; Fang, Wenhao ; Zhang, Qinghong ; Wang, Ye

来源出版物: CATALYSIS LETTERS卷:133页:167-174出版年: NOV 2009

第 54 条，共54条

标题: Stacking Structure of Confined 1-Butanol in SBA-15 Investigated by Solid-State NMR Spectroscopy

作者: Lin, Yun-Chih ; Chou, Hung-Lung ; Sarma, Loka Subramanyam ; Hwang, Bing-Joe

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL卷:15页: 10658-10665出版年: 2009