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** | Interface-Confined Ferrous Centers for Catalytic Oxidation | | | | |
| **作者（英文）** | Fu, Qiang†; Li, Wei-Xue†, Yao, Yunxi; Liu, Hongyang; Su, Hai-Yan;  Ma, Ding; Gu, Xiang-Kui; Chen, Limin; Wang, Zhen; Zhang, Hui;  Wang, Bing; Bao, Xinhe | | | | |
| **作者（中文）** | 傅强†，李微雪†，姚运喜，刘洪阳，苏海燕，马丁，顾向奎，  陈礼敏，王珍，张辉，王兵，包信和 | | | | |
| **期刊名称** | Science | | | | |
| **发表日期** | 2010.3.28 | **卷** | 328 | **起止页码** | 1141 - 1144 |
| **总引用次数** | 265 | | | **他引次数** | 221 |
| **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83条

标题: Carbon supported Pt9Sn1 nanoparticles as an efficient nanocatalyst for glycerol oxidation

作者: Dou, Jian; Zhang, Bowei; Liu, Hai; Hong, Jindui; Yin, Shengming; Huang, Yizhong; Xu, Rong

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 180页: 78-85出版年: JAN 2016

第2条，共83条

标题: Atomic layer deposition of FeO on Pt(111) by ferrocene adsorption and oxidation

作者: Paul, Rajib; Reifenberger, Ronald G.; Fisher, Timothy S.; Zemlyanov, Dmitry Y.

来源出版物: CHEMISTRY OF MATERIALS卷: 27页: 5915-5924出版年: SEP 8 2015

第3条，共83条

标题: Enhanced CO oxidation on the oxide/metal interface: from ultra-high vacuum to near-atmospheric pressures

作者: Pan, Qiushi; Weng, Xuefei; Chen, Mingshu; Giordano, Livia; Pacchioni, Gianfranco; Noguera, Claudine; Goniakowski, Jacek; Shaikhutdinov, Shamil; Freund, Hans-Joachim

来源出版物: CHEMCATCHEM卷: 7页: 2620-2627出版年: SEP 1 2015

第4条，共83条

标题: Constructing hierarchical interfaces: TiO2-supported PtFe-FeOx nanowires for room temperature CO oxidation

作者: Zhu, Huiyuan; Wu, Zili; Su, Dong; Veith, Gabriel M.; Lu, Hanfeng; Zhang, Pengfei; Chai, Song-Hai; Dai, Sheng

来源出版物: JOURNAL OF AMERICAN CHEMICAL SOCIETY卷: 137页: 10156-10159出版年: AUG 19 2015

第5条，共83条

标题: Direct visualization of catalytically active sites at the FeO-Pt(111) interface

作者: Kudernatsch, Wilhelmine; Peng, Guowen; Zeuthen, Helene; Bei, Yunhai; Merte, Lindsay R.; Lammich, Lutz; Besenbacher, Flemming; Mavrikakis, Manos; Wendt, Stefan

来源出版物: ACS NANO卷: 9页: 7804-7814出版年: AUG 2015

第6条，共83条

标题: Hydrated proton structure and diffusion at platinum surfaces

作者: Cao, Zhen; Kumar, Revati; Peng, Yuxing; Voth, Gregory A.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 119页: 14675-14682出版年: JUL 2 2015

第7条，共83条

标题: Importance of metal-oxide interfaces for low-temperature CO oxidation over supported Au and FeOx promoted Pt catalysts

作者: Tomita, Atsukol; Tajiri, Koji; Tai, Yutaka

来源出版物: JOURNAL OF THE JAPAN PETROLEUM INSTITUTE卷: 58页: 218-227出版年: JUL 2015

第8条，共83条

标题: Fe K-edge X-ray absorption fine structure determination of -Al2O3-supported iron-oxide species

作者: Tomita, Atsuko; Miki, Takeshi; Tango, Takeru; Murakami, Tatsuro; Nakagawa, Hideyuki; Tai, Yutaka

来源出版物:CHEMPHYSCHEM卷: 16页: 2015-2020出版年: JUN 22 2015

第9条，共83条

标题: Protein corona – from molecular adsorption to physiological complexity

作者: Treuel, Lennart; Docter, Dominic; Maskos, Michael; Stauber, Roland H.

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY卷: 6页: 857-873出版年: MAR 30 2015

第10条，共83条

标题: Interface controlled oxidation states in layered cobalt oxide nanoislands on gold

作者: Walton, Alex S.; Fester, Jakob; Bajdich, Michal; Arman, Mohammad A.; Osiecki, Jacek; Knudsen, Jan; Vojvodic, Aleksandra; Lauritsen, Jeppe V.

来源出版物: ACS NANO卷: 7页: 2445-2453出版年: MAR 2015

第11条，共83条

标题: Growth of ultrathin iron oxide films on Ag(100)

作者: Merte, Lindsay R.; Shipilin, Mikhail; Ataran, Sara; Blomberg, Sara; Zhang, Chu; Mikkelsen, Anders; Gustafson, Johan; Lundgren, Edvin

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 119页: 2572-2582出版年: FEB 5 2015

第12条，共83条

标题: Metallic nanocatalysis: an accelerating seamless integration with nanotechnology

作者: Dai, Yihu; Wang, Ye; Liu, Bin; Yang, Yanhui

来源出版物: SMALL卷: 11页: 268-289出版年: JAN 21 2015

第13条，共83条

标题: Bimetallic platinum-iron electrocatalyst supported on carbon fibers for coal electrolysis

作者: Yu, Ping; Botte, Gerardine G.

来源出版物: JOURNAL OF POWER SOURCES卷: 274页: 165-169出版年: JAN 15 2015

第14条，共83条

标题: Metallic nanocatalysis: an accerlerating seamless integration with nanotechnology

作者: Dai, Yihu; Wang, Ye; Liu, Bin; Yang, Yanhui

来源出版物: SMALL卷: 11页: 268-289出版年: JAN 21 2015

第15条，共83条

标题: Bimetallic platinum-iron electrocatalyst supported on carbon fibers for coal electrolysis

作者: Yu, Ping; Botte, Gerardine G.

来源出版物: JOURNAL OF POWER SOURCES卷: 274页: 165-169出版年: JAN 15 2015

第16条，共83条

标题: Chloride promoted room temperature preparation of silver nanoparticles on two dimensional tungsten oxide nanoarchitectures for the catalytic oxidation of tertiary N-compounds to N-oxides

作者: Ghosh, Shilpi; Acharyya, Shankha S.; Kumar, Malika; Bal, Rajaram

来源出版物: NANOSCALE卷: 7页: 15197-15208出版年: 2015

第17条，共83条

标题: A modular DNA origami-based enzyme cascade nanoreactor

作者: Linko, Veikko; Eerikainen, Marika; Kostiainen, Mauri A.

来源出版物: CHEMICAL COMMUNICATIONS卷: 51页: 5351-5354出版年: 2015

第18条，共83条

标题: Unraveling the edge structures of platinum(111)-supported ultrathin FeO islands: the influence of oxidation state

作者: Zeuthen, Helene; Kudernatsch, Wilhelminel Merte, Lindsay R.; Ono, Luis K.; Lammich, Lutz; Besenbacher, Flemming; Wendt, Stefan

来源出版物: ACS NANO卷: 9页: 573-583出版年: JAN 2015

第19条，共83条

标题: New challenges in gold catalysis: bimetallic systems

作者: Villa, Alberto; Wang, Di; Su, Dang Sheng; Prati, Laura

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 5页: 55-68出版年: 2015

第20条，共83条

标题: Property of Pt-Ag alloy nanoparticle catalysts in carbon monoxide oxidation

作者: Hwang, Sang Youp; Zhang, Changlin; Yurchekfrodl, Eric; Peng, Zhenming

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 118页: 28739-28745出版年: DEC 11 2014

第21条，共83条

标题: Dehydration, dehydrogenation, and condensation of alcohols on supported oxide catalysts based on cyclic (WO3)(3) and (MoO3)(3) clusters

作者: Rousseau, Roger; Dixon, David A.; Kay, Bruce D.; Dohnalek, Zdenek

来源出版物: CHEMICAL SOCIETY REVIEWS卷: 43页: 7664-7680出版年: NOV 21 2014

第22条，共83条

标题: Properties of Pt-supported iron oxide ultra-thin films: similarity of Hubbard-corrected and hybrid density functional theory description

作者: Prada, Stefano; Giordano, Livia; Pacchioni, Gianfranco; Noguera, Claudine; Goniakowski, Jacek

来源出版物: JOURNAL OF CHEMICAL PHYSICS卷: 141页: 144702出版年: OCT 14 2014

第23条，共83条

标题: Nanocast mesoporous mixed metal oxides for catalytic application

作者: Nair, Mahesh Muraleedharan; Yen, Hoang; Kleitz, Freddy

来源出版物: COMPTES RENDUS CHIMIE卷: 17页: 641-655出版年: JUL-AUG 2014

第24条，共83条

标题: Rh-Fe/Ca-Al2O3: a unique catalyst for CO-free hydrogen production in low temperature ethanol steam reforming

作者: Choong, Catherine K. S.; Chen, Luwei; Du, Yonghua; Wang, Zhan; Hong, Liang; Borgna, Armando

来源出版物: TOPICS IN CATALYSIS卷: 57页: 627-636出版年: APR 2014

第25条，共83条

标题: Mixing patterns and redox properties of iron-based alloy nanoparticles under oxidation and reduction conditions

作者: Papaefthimiou, Vasiliki; Tournus, Florent; Hillion, Arnaud; Khadra, Ghassan; Teschner, Detre; Knop-Gericke, Axel; Dupuis, Veronique; Zafeiratos, Spytidon

来源出版物: CHEMISTRY OF MATERIALS卷: 26页: 1553-1560出版年: FEB 25 2014

第26条，共83条

标题: Highly productive iron molybdate mixed oxides and their relevant catalytic properties for direct synthesis of 1,1-dimethoxymethane from methanol

作者: Thavornprasert, Kaew-arpha; Capron, Mickael; Jalowiecki-Duhamel, Louise; Gardoll, Olivier; Trentesaux, Martine; Mamede, Anne-Sophie; Fang, Ge; Faye, Jeremy; Touati, Nadia; Vezin, Herve; Dubois, Jean-Luc; Couturier, Jean-Luc; Dumeignil, Franck

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 145页: 126-135出版年: FEB 2014

第27条，共83条

标题: In situ characterizations of nanostructured SnOx/Pt(111) surfaces using ambient-pressure XPS (APXPS) and high-pressure scanning tunneling microscopy (HPSTM)

作者: Axnanda, Stephanus, Zhu, Zhongwei; Zhou, Weiping; Mao, Baohua; Chang, Rui; Rani, Sana; Crumlin, Ethan; Somorjai, Gabor; Liu, Zhi

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 118页: 1935-1943出版年: JAN 30 2014

第28条，共83条

标题: Fenton chemistry at aqueous interfaces

作者: Enami, Shinichi; Sakamoto, Yosuke; Colussi, Agustin J.

来源出版物: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA卷: 111页: 623-628出版年: JAN 14 2014

第29条，共83条

标题: Bimetallic nanoalloys in heterogeneous catalysis of industrially important reactions: synergistic effects and structural organization of active components

作者: Ellert, O. G.; Tsodikov, M. V.; Nikolaev, S. A.; Novotortsev, V. M.

来源出版物: RUSSIAN CHEMICAL REVIEWS卷: 83页: 718-732出版年: 2014

第30条，共83条

标题: Recent advances in heterogeneous selective oxidation catalysis for sustainable chemistry

作者: Guo, Zhen; Liu, Bin; Zhang, Qinghong; Deng, Weiping; Wang, Ye; Yang, Yanhui

来源出版物: CHEMICAL SOCIETY REVIEWS卷: 43页: 3480-3524出版年: 2014

第31条，共83条

标题: Ferromagnetic nanoparticles with peroxidase-like activity enhance the cleavage of biological macromolecules for biofilm elimination

作者: Gao, Lizeng; Giglio, Krista M.; Nelson, Jacquelyn L.; Sondermann, Holger; Travis, Alexander J.

来源出版物: NANOSCALE卷: 6页: 2588-2593出版年: 2014

第32条，共83条

标题: Theoretical prediction of carbon dioxide reduction to methane at coordinatively unsaturated ferric site in the presence of Cu impurites

作者: Xiao, Jianping; Frauenheim, Thomas

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 16页: 3515-3519出版年: 2014

第33条，共83条

标题: Identification of active sites in a realistic model of strong metal-support interaction catalysts: the case of platinum (111)-supported iron oxide film

作者: Giordano, Livia; Pacchioni, Gianfranco; Noguera, Claudine, Goniakowski, Jacek

来源出版物: CHEMCATCHEM卷: 6页: 189-190出版年: JAN 2014

第34条，共83条

标题: Structure and special chemical reactivity of interface-stabilized cerium oxide nanolayers on TiO2(110)

作者: Agnoli, Stefano; Reeder, Askia E.; Senanayake, Sanjaya D.; Hrbek, Jan; Rodriguez, Jose A.

来源出版物:NANOSCALE卷: 6页: 800-810出版年: 2014

第35条，共83条

标题: Initial stage of FeO growth on Ru(0001)

作者: Palacio, I.; Monti, M.; Marco, J. F.; McCarty, K. F.; de la Figuera, J.

来源出版物: JOURNAL OF PHYSICS-CONDENSED MATTER卷: 25页: 484001出版年: DEC 4 2013

第36条，共83条

标题: Model studies on heterogeneous catalysts at the atomic scale: from supported metal particles to two-dimensional zeolites

作者: Freund, Han-Joachim; Heyde, Markus; Nilius, Niklas; Schauermann, Swetlana; Shaikhutdinov, Shamil; Sterrer, Martin

来源出版物: JOURNAL OF CATALYSIS卷: 308页: 154-167出版年: DEC 2013

第37条，共83条

标题: Active metal-oxide interfaces in supported Pt-Cu/CeO2 and mechanically mixed Pt-Cu+CeO2 catalysts synthesized by an electron beam irradiation method for selective CO oxidation

作者: Kugai, Junichiro; Moriya, Toshiharu; Seino, Satoshi; Nakagawa, Takashi; Ohkubo, Yuji; Nitani, Hiroake; Yamamoto, Takao A.

来源出版物: CATALYSIS LETTERS卷: 143页: 1182-1187出版年: NOV 2013

第38条，共83条

标题: Effect of the specific surface sites on the reducibility of alpha-Fe2O3/graphene composites by hydrogen

作者: Papaefthimiou, V.; Florea, I.; Baaziz, W.; Janowska, I.; Doh, W. H.; Begin, D.; Blume, R.l Knop-Gericke, A.; Ersen, O.; Pham-Huu, C.; Zafeiratos, S.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 20313-20319出版年: OCT 3 2013

第39条，共83条

标题: Oxidative dehydrogenation of methane by isolated vanadium oxide clusters supported on Au(111) and Ag(111) surfaces

作者: Yu, Jie; Scheffler, Matthias; Metiu, Horia

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 18475-18483出版年: SEP 12 2013

第40条，共83条

标题: Structure of stoichiometric and oxygen-rich ultrathin FeO(111) films grown on Pd(111)

作者: Zeuthen, Helene; Kudernatsch, Wilhelmine; Peng, Guowen; Merte, Lindasy R.; Ono, Luis K.; Lammich, Lutz; Bai, Yunhai; Grabow, Lars C.; Mavrikakis, Mano; Wendt, Stefan; Besenbacher, Flemming

来源出版物: JOURNAL OF PHYSICAL CHEMSITRY C卷: 117页: 15155-15163出版年: JUL 25 2013

第41条，共83条

标题: Structure-property relationship and chemical aspects of oxide-metal hybrid nanostructures

作者: Surnev, Svetlozar; Fortunelli, Alessandro; Netzer, Falko P.

来源出版物: CHEMICAL REVIEWS卷: 113页: 4314-4372出版年: JUN 2013

第42条，共83条

标题: Identification of the electronic structure differences between polar isostrctural FeO and CoO films by core-level soft x-ray spectroscopy

作者: Kaya, Sarp; Anniyev, Toyli; Ogasawara, Hirohito; Nilsson, Anders

来源出版物: PHYSICAL REVIEW B卷: 87页: 205115出版年: MAY 13 2013

第43条，共83条

标题: Synergistic catalysis over bimetallic alloy nanoparticles

作者: Singh, Ashish Kumar; Xu, Qiang

来源出版物:CHEMCATCHEM卷: 5页: 652-676出版年: MAR 2013

第44条，共83条

标题: Modification of CeO2 on the redox property of Fe2O3

作者: Li, Kongzhai; Haneda, Masaaki; Gu, Zhenhua; Wang, Hua; Ozawa, Masakuni

来源出版物:MATERIALS LETTERS卷: 93页: 129-132出版年: FEB 15 2013

第45条，共83条

标题: Edges of FeO/Pt(111) interface: a first-principle theoretical study

作者: Wang, Yun; Zhang, Haimin; Yao, Xiangdong; Zhao, Huijun

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 1672-1676出版年: JAN 31 2013

第46条，共83条

标题: Mechanism of low-temperature CO oxidation on Pt/Fe-containing alumina catalysts pretreated with water

作者: Tomita, Atsuko; Shimizu, Ken-ichi; Kato, Kazuo; Akita, Tomoki; Tai, Yutaka

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 1268-1277出版年: JAN 24 2013

第47条，共83条

标题: Adsorbed emulsion droplets: capping agents for in situ heterogeneous engineering of particle surfaces

作者: Ma, Aijing; Xu, Jie; Lu, Li; Zhang, Xuehua; Wang, Dayang; Xu, Haolan

来源出版物: CHEMICAL COMMUNICATIONS卷: 49页: 11563-11565出版年: 2013

第48条，共83条

标题: Destabilization of Mg-H bonding through nano-interfacial confinement by unsaturated carbon for hydrogen desorption from MgH2

作者: Jia, Yi; Sun, Chenghua; Cheng, Lina; Wahab, Md Abdul; Cui, Jie; Zou, Jin; Zhu, Min; Yao, Xiangdong

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 15页: 5814-5820出版年: 2013

第49条，共83条

标题: Catalytic properties of M-Cu/ZrO2 (M=Fe, Co, Ni) in steam reforming of ethanol

作者: Deinega, I. V.; Dolgykh, L. Yu.; Stolyarchuk, K. L.; Staraya, L. A.; Strizhak, P. E.; Moroz, E. M.; Pakharukova, V. P.; Zyuzin, D. A.

来源出版物: THEORETICAL AND EXPERIMENTAL CHEMISTRY卷: 48页: 386-393出版年: JAN 2013

第50条，共83条

标题: Influence of step-edge vs terrace sites on temperature-dependent C2H2 hydrogenation with Ag-doped Pt nanoparticles

作者: Jones, L. C.; Gordon, M. J.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 23472-23476出版年: NOV 8 2012

第51条，共83条

标题: Review of Pt-based bimetallic catalysis: from model surfaces to supported catalysts

作者: Yu, Weiting; Porosoff, Marc D.; Chen, Jingguang G.

来源出版物:CHEMICAL REVIEWS卷: 112页: 5780-5817出版年: NOV 2012

第52条，共83条

标题: Active size-controlled Ru catalysts for selective CO oxidation in H-2

作者: Kim, Yun Ha; Park, Jung Eun; Lee, Hyun Chul; Choi, Sun Hee; Park, Eun Duck

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 127页: 129-136出版年: OCT 30 2012

第53条，共83条

标题: Toward the decoration of Pt nanoparticles supported on carbon nanotubes with Fe oxides and its effect on the catalytic reaction

作者: Guo, Zhen; Zhou, Chunmei; Shi, Daming; Wang, Yifan; Jia, Xinli; Chang, Jie; Borgna, Armando; Wang, Chuan; Yang, Yanhui

来源出版物: APPLIED CATALYSIS A-GENERAL卷: 435页: 131-140出版年: SEP 5 2012

第54条，共83条

标题: Synthesis of Pd/Fe3O4 hybrid nanocatalysts with controllable interface and enhanced catalytic activities for CO oxidation

作者: Chen, Shutang; Si, Rui; Taylor, Eric; Janzen, Jonathan; Chen, Jingyi

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 12969-12976出版年: JUN 14 2012

第55条，共83条

标题: Partial hydrogenation of C2H2 on Ag-doped Pt nanoparticles

作者: Jones, Louis C.; Buras, Zachary; Gordon, Michael J.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 12982-12988出版年: JUN 14 2012

第56条，共83条

标题: Selective CO oxidation in a hydrogen-rich stream over Ru/SiO2

作者: Kim, Yun Ha; Yim, Sung-Dae; Park, Eun Duck

来源出版物: CATALYSIS TODAY卷: 185页: 143-150出版年: MAY 20 2012

第57条，共83条

标题: Molecular dynamics study on metal-deposited iron oxide nanostructures and their gas adsorption behavior

作者: Yue, Jeffrey; Jiang, Xuchuan; Yu, Aibing

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 8145-8153出版年: APR 12 2012

第58条，共83条

标题: Pt/Fe-containing alumina catalysts prepared and treated with water under moderate conditions exhibit low-temperature CO oxidation activity

作者: Tomita, Atsuko; Shimizu, Ken-ichi; Kato, Kazuo; Tai, Yutaka

来源出版物: CATALYSIS COMMUNICATIONS卷: 17页: 194-199出版年: JAN 5 2012

第59条，共83条

标题: On modeling development of microscopic spatial structure for the catalyst layer in a proton exchange memberane fuel cell

作者: Xiao, Yu; Yuan, Jinlinag; Sunden, Bengt

来源出版物: PROCEEDING OF THE ASME 9TH INTERNATIONAL CONFERENCE ON FUEL CELL SCIENCE, ENGINEERING, AND TECHNOLOGY 2011卷: 2012页: 831-838出版年: 2012

第60条，共83条

标题: Tailored mesostructured copper/ceria catalysts with enhanced performance for preferential oxidation of CO at low temperature

作者: Yen, Hoang; Seo, Yongbeom; Kaliaguine, Serge; Kleitz, Freddy

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 51页: 12032-12035出版年: 2012

第61条，共83条

标题: Density functional study of water-gas shift reaction on M3O3x/Cu(111)

作者: Vidal, Alba B.; Liu, Ping

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 14页: 16620-16632出版年: 2012

第62条，共83条

标题: Atomically dispersed supported metal catalysts

作者: Flytzani-Stephanopoulos, Maria; Gates, Bruce C.

来源出版物:ANNUAL REVIEW OF CHEMICAL AND BIOMOLECULAR ENGINEERING卷: 3页: 545-574出版年: 2012

第63条，共83条

标题: CO oxidation on nanostructured SnOx/Pt(111) surfaces: unique properties of reduced SnOx

作者: Axnanda, Stephanus; Zhou, Wei-Ping; White, Michael G.

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 14页: 10207-10214出版年: 2012

第64条，共83条

标题: Preparation and characterization of Fe-doped TiO2 nanoparticles as a support for a high performance CO oxidation catalyst

作者: Yu, Sungju; Yun, Hyeong Jin; Lee, David Minzae; Yi, Jongheop

来源出版物: JOURNAL OF MATERIALS CHEMISTRY卷: 22页: 12629-12635出版年: 2012

第65条，共83条

标题: CO oxidation over ruthenium: identification of the catalytically active phases at near-atmospheric pressures

作者: Gao, Feng; Goodman, D. Wayne

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 14页: 6688-6697出版年: 2012

第66条，共83条

标题: Pt monolayer deposition onto carbon nanotube mattes with high electrochemical activity

作者: Su, Xin; Zhan, Xin; Hinds, Bruce J.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY卷: 22页: 7979-7984出版年: 2012

第67条，共83条

标题: Fabricatoin process simulation of a PEM Fuel Cell Catalyst layer and its microscopic structure characteristics

作者: Xiao, Yu; Dou, Meiling; Yuan, Jinliang; Hou, Ming; Song, Wei; Sunden, Bengt

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY卷: 159页: B308-B314出版年: 2012

第68条，共83条

标题: Confined Pt and CoFe2O4 nanoparticles in a mesoporous core/shell silica microsphere and their catalytic activity

作者: Kang, Donghyeon; Eum, Min-Sik; Lee, Byeongno; Bae, Tae-Sung; Lee, Kyu Reon; Lim, Heung Bin; Hur, Nam Hwi

来源出版物: BULLETIN OF THE KOREAN CHEMICAL SOCIETY卷: 32页: 3712-3719出版年: OCT 20 2011

第69条，共83条

标题: Role of the interface between Pd and PdO in methane dissociation

作者: Kinnunen, Niko M.; Hirvi, Janne T.; Suvanto, Mika; Pakkanen, Tapani A.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 115页: 19197-19202出版年: OCT 6 2011

第70条，共83条

标题: Substrate-mediated electron tunneling through molecule-electrode interfaces

作者: Sun, Jia-Tao; Chen, Lan; Feng, Yuan Ping; Wee, Andrew Thye Shen

来源出版物: APPLIED PHYSICS LETTERS卷: 99页: 143122出版年: OCT 3 2011

第71条，共83条

标题: CO-induced embedding of Pt adatoms in a partially reduced FeOx Film on Pt(111)

作者: Merte, Lindsay R.; Knudsen, Jan; Eichhorn, Falk M.; Prosgaard, Soeren; Zeuthen, Helene; Grabow, Lars C.; Laegsgaard, Erik; Bluhm, Hendrik; Salmeron, Miquel; Mavrikakis, Manos; Besenbacher, Flemming

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY卷: 133页: 10692-10695出版年: JUL 20 2011

第72条，共83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: 13-14出版年: JUL 2011

第73条，共83条

标题: In situ observation of water dissociation with lattice incorporation at FeO particle edges using scanning tunneling microscopy and x-ray photoelectron spectroscopy

作者: Deng, Xingyi; Lee, Junseok; Wang, Congjun; Matranga, Christopher; Aksoy, Funda; Liu, Zhi

来源出版物: LANGMUIR卷: 27页: 2146-2149出版年: MAR 15 2011

第74条，共83条

标题: Tip-dependent scanning tunneling microscopy imaging of ultrathin FeO films on Pt(111)

作者: Merte, Lindsay R.; Grabow, Lars C.; Peng, Guowen; Knudsen, Jan; Zeuthen, Helene; Kudernatsch, Wilhelmine; Porsgaard, Soeren; Laegsgaard, Erik; Mavrikakis, Manos; Besenbacher, Flemming

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 115页: 2089-2099出版年: FEB 10 2011

第75条，共83条

标题: Integration of surface science, nanoscience, and catalysis

作者: Wen, Cun; Liu, Yi; Tao, Franklin (Feng)

来源出版物: PURE AND APPLIED CHEMISTRY卷: 83页: 243-252出版年: JAN 2011

第76条，共83条

标题: Ligand capping of colloidally synthesized nanoparticles-a way to tune metal-support interactions in heterogeneous gas-phase catalysis

作者: Sonstroem, Patrick; Arndt, Darius; Wang, Xiaodong; Zielasek, Volkmar; Baeumer, Marcus

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 50页: 3888-3891出版年: 2011

第77条，共83条

标题: Chemistry with methane: concepts rather than recipes

作者: Schwarz, Helmut

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 50页: 10096-10115出版年: 2011

第78条，共83条

标题: Promoted aerobic oxidation of benzyl alcohol on CNT supported platinum by iron oxide

作者: Zhou, Chunmei; Chen, Yuanting; Guo, Zhen; Wang, Xin; Yang, Yanhui

来源出版物: CHEMICAL COMMUNICATIONS卷: 47页: 7473-7475出版年: 2011

第79条，共83条

标题: Reactivity differences of nanocrystals and continuous films of alpha-Fe2O3 on Au(111) studied with in situ x-ray photoelectron spectroscopy

作者: Deng, Xingyi; Lee, Junseok; Wang, Congjun; Matranga, Christopher; Aksoy, Funda; Liu, Zhi

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 114页: 22619-22623出版年: DEC 30 2010

第80条，共83条

标题: Carbon monoxide-free hydrogen production via low-temperature steam reforming of ethanol over iron-promoted Rh catalyst

作者: Chen, Luwei; Choong, Catherine Kai Shin; Zhong, Ziyi; Huang, Lin; Ang, Thiam Peng; Hong, Liang; Lin, Jianyi

来源出版物: JOURNAL OF CATALYSIS卷: 276页: 197-200出版年: DEC 15 2010

第81条，共83条

标题: Water-gas shift reaction on oxide/Cu(111): rational catalyst screening from density functional theory

作者: Liu, Ping

来源出版物: JOURNAL OF CHEMICAL PHYSICS卷: 133页: 204705出版年: NOV 28 2010

第82条，共83条

标题: A novel surface catalyst for CO oxidation

作者: Hadling ton, Simon

来源出版物: CHEMISTRY WORLD卷: 7页: 29-29出版年: JUL 2010

第83条，共83条

标题: Model studies in heterogeneous catalysis

作者: Freund, H. -J.

来源出版物: CHEMISTRY -A EUROPEAN JOURNAL卷: 16页: 9384-9397出版年: 2010

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**二、引用论文第一产权单位为国内机构**

第 1 条，共138条

标题: Construction of ultrafine and stable PtFe nano-alloy with ultra-low Pt loading for complete removal of CO in PROX at room temperature

作者: Zhuang, Hua; Liu, Xiaojuan; Zhang, Nuowei; Zheng, Jinbao; Zheng, Yanping; Li, Yunhua; Zhong, Chuan-Jian; Chen, Bing H.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 180页: 237-245出版年: JAN 2016

第2条，共138条

标题: Well-combined magnetically separable hybrid cobalt ferrite/nitrogen-doped graphene as efficient catalyst with superior performance for oxygen reduction reaction

作者: Lu, Lei; Hao, Qingli; Lei, Wu; Xia, Xifeng; Liu, Peng; Sun, Dongping; Wang, Xin; Yang, Xujie

来源出版物: SMALL卷: 11页: 5833-5843出版年: NOV 18 2015

第3条，共138条

标题: Utilization of active Ni to fabricate Pt-Ni nanoframe/NiAl layered double hydroxide multifunctional catalyst through in situ precipitation

作者: Ren, Fumin; Wang, Zheng; Luo, Liangfeng; Lu, Haiyuan; Zhou, Gang; Huang, Weixin; Hong, Xun; Wu, Yuen; Li, Yadong

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL卷: 21页: 13181-13185出版年: SEP 14 2015

第4条，共138条

标题: Platinum-nickel frame within metal-organic framework fabricated in situ for hydrogen enrichment and molecular sieving

作者: Li, Zhi; Yu, Rong; Huang, Jinglu; Shi, Yusheng; Zhang, Diyang; Zhong, Xiaoyan; Wang, Dingsheng; Wu, Yuen, Li, Yandong

来源出版物: NATURE COMMUNICATIONS卷: 6页: 8248出版年: SEP 2015

第5条，共138条

标题: Preferential oxidation of carbon monoxide over Pt-FeOx/CeO2 synthesized by two-nozzle flame spray pyrolysis

作者: Dreyer, Jochen A. H.; Grossmann, Henrike K.; Chen, Jinfan; Grieb, Tim; Gong, Bill B.; Sit, Patrick H. –L.; Maedler, Lutz; Teoh, Wey Yang

来源出版物: JOURNAL OF CATALYSIS卷: 329页: 248-261出版年: SEP 2015

第6条，共138条

标题: Strong local coordination structure effects on subnanometer PtOx clusters over CeO2 nanowires probed by low-temperature CO oxidation

作者: Ke, Jun; Zhu, Wei; Jiang, Yingying; Si, Rui; Wang, Yan-Jie; Li, Shuai-Chen; Jin, Chuanhong; Liu, Haichao; Song, Wei-Guo; Yan, Chun-Hua; Zhang, Ya-Wen

来源出版物: ACS CATALYSIS卷: 5页: 5164-5173出版年: SEP 2015

第7条，共138条

标题: Ultrastable single-atom gold catalysts with strong covalent metal-support interation (CMSI)

作者: Qiao, Botao; Liang, Jin-Xia; Wang, Aiqin; Xu, Cong-Qiao; Li, Jun; Zhang, Tao; Liu, Jingyue (Jimmy)

来源出版物:NANO RESEARCH卷: 8页: 2913-2924出版年: SEP 2015

第8条，共138条

标题: Structure evolution and associated catalytic properties of PtSn bimetallic nanoparticles

作者: Rong, Hongpan; Niu, Zhiqiang; Zhao, Yafan; Cheng, Hao; Li, Zhi; Ma, Lei; Li, Jun; Wei, Shiqiang; Li, Yadong

来源出版物:CHEMISTRY-A EUROPEAN JOURNAL卷: 21页: 12034-12041出版年: AUG 17 2015

第9条，共138条

标题: Multiply confined nickel nanocatalysts produced by atomic layer deposition for hydrogenation reactions

作者: Gao, Zhe; Dong, Mei; Wang, Guizhen; Sheng, Pei; Wu, Zhiwei; Yang, Huimin; Zhang, Bin; Wang, Guofu; Wang, Jianguo; Qin, Yong

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 54页: 9006-9010出版年: JUL 27 2015

第10条，共138条

标题: CO oxidation on gold-supported iron oxides: new insights into strong oxide-metal interactions

作者: Yu, Liang; Liu, Yun; Yang, Fan; Evans, Jaime; Rodriguez, Jose A.; Liu, Ping

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 119页: 16614-16622出版年: JUL 23 2015

第11条，共138条

标题: Influence of CuO on Ce-Zr-O-2 dispersion on catalytic properties in CO oxidation

作者: Kong, Lingzhi; Wang, Qian; Xu, Li; Yan, Yongsheng; Li, Huaming; Yang, Xiangguang

来源出版物: CHEMICAL JOURNAL OF CHINESE UNVERSITIES-CHINESE卷: 36页: 1372-1377出版年: JUL 10 2015

第12条，共138条

标题: Action of oxygen vacancy in CO catalytic oxidation over Pt supported pervoshkite oxides

作者: Kong, Ling-Zhi; Wan, Qian; Xu, Li; Yan, Yong-Sheng; Li, Hua-Ming; Yang, Xiang-Guang

来源出版物: CHINESE JOURNAL OF INORGANIC CHEMISTRY卷: 31页: 1335-1341出版年: JUL 10 2015

第13条，共138条

标题: Interfacial effects of CeO2-supported Pd nanorod in catalytic CO oxidation: a theoretical study

作者: Liu, Bing; Liu, Jian; Li, Teng; Zhao, Zhen; Gong, Xue-Qing; Chen, Yu; Duan, Aijun; Jiang, Guiyuan; Wei, Yuechang

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 119页: 12923-12934出版年: JUN 11 2015

第14条，共138条

标题: Cu-4 cluster doped monolayer MoS2 for CO oxidation

作者: Chen, Z. W.; Yan, J. M.; Zheng, W. T.; Jiang, Q.

来源出版物: SCIENTIFIC REPORTS卷: 5页: 11230出版年: JUN 8 2015

第15条，共138条

标题: Highly active hydrogen evolution electrodes via co-deposition of platinum and polyoxometalates

作者: Zhang, Chao; Hong, Yahui; Dai, Ruihan; Lin, Xinping; Long, La-Sheng; Wang, Cheng; Lin, Wenbin

来源出版物: ACS APPLIED MATERIALS & INTERFACES卷: 7页: 11648-11653出版年: JUN 3 2015

第16条，共138条

标题: Heterogeneous catalysis for green chemistry based on nanocrystals

作者: Liu, Yuxi; Zhao, Guofeng; Wang, Dingsheng; Li, Yadong

来源出版物: NATIONAL SCIENCE REVIEW卷: 2页: 150-166出版年: JUN 2015

第17条，共138条

标题: Applied catalysis for sustainable development of chemical industry in China

作者: Xie, Zaiku; Liu, Zhicheng; Wang, Yangdong; Jin, Zhonghao

来源出版物: NATIONAL SCIENCE REVIEW卷: 2页: 167-182出版年: JUN 2015

第18条，共138条

标题: Methanation of carbon monoxide over promoted flame-synthesized cobalt clusters stabilized in zirconia matrix

作者: Teoh, Wey Yang; Doronkin, Dmitry E.; Beh, Gem Khai; Dreyer Jochen A. H.; Grunwaldt, Jan-Dierk

来源出版物: JOURNAL OF CATALYSIS卷: 326页: 182-193出版年: JUN 2015

第19条，共138条

标题: Ruthenium-oxide-coated sodium vanadium fluorophosphates nanowires as high-power cathode materials for sodium-ion batteries

作者: Peng, Manhua; Li, Biao; Yan, Huijun; Zhang, Dongtang; Wang, Xiayan; Xia, Dingguo; Guo, Guangsheng

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 54页: 6452-6456出版年: MAY 26 2015

第20条，共138条

标题: A study on the oxygen vacancies in ZnPd/ZnO-Al and their promoting role in glycerol hydrogenolysis

作者: Li, Xiaoru; Zhang, Chao; Cheng, Haiyang; Lin, Weiwei; Chang, Pingjing; Zhang, Bin; Wu, Qifan; Yu, Yancun; Zhao, Fengyu

来源出版物: CHEMCATCHEM卷: 7页: 1322-1328出版年: APR 2015

第21条，共138条

标题: Hydrogen spillover enhanced hydroxyl formation and catalytic activity toward CO oxidation at the metal/oxide interface

作者: Jin, Yuekang; Sun, Guanghui; Xiong, Feng; Ding, Liangbing; Huang, Weixin

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL卷: 21页: 4252-4256出版年: MAR 9 2015

第22条，共138条

标题: Monodisperse Pt atoms anchored on N-doped graphene as efficient catalysts for CO oxidation: a first-principles investigation

作者: Liu, Xin; Sui, Yanhui; Duan, Ting; Meng, Changgong; Han, Yu

来源出版物: CATALYSIS SCIENVE & TECHNOLOGY卷: 5页: 1658-1667出版年: MAR 1 2015

第23条，共138条

标题: Infrared studies of the promoting role of water on the reactivity of Pt/FeOx catalyst in low-temperature oxidation of carbon monoxide

作者: Li, Suying; Jia, Mingjun; Gao, Jun; Wu, Ping; Yang, Menglong; Huang, Shaohua; Dou, Xiaowei; Yang, Ying; Zhang. Wenxiang

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 119页: 2483-2490出版年: FEB 5 2015

第24条，共138条

标题: Facile synthesis of carbon supported Pt-nanoparticles with Fe-rich surface: a highly active catalyst for preferential CO oxidation

作者: Zhang, Hua; Lin, Dongrong; Xu, Guiting; Zheng, Jinbao; Zhang, Nuowei; Li, Yunhua; Chen, Bing H.

来源出版物: INTERNATIONAL JOURNAL OF NYDROGEN ENERGY卷: 40页: 1742-1751出版年: JAN 30 2015

第25条，共138条

标题: Catalytic properties of gamma-Al2O3 supported Pt-FeOx catalysts for complete oxidation of formaldehyde at ambient temperature

作者: Cui, Weiyi; Yuan, Xiaoling; Wu, Ping; Zheng, Bin; Zhang, Wenxiang; Jia, Mingjun

来源出版物: RSC ADVANCES卷: 5页: 104330-104336出版年: 2015

第26条，共138条

标题: In situ growth of carbon nanotubes on Ni/MgO: a facile preparation of efficient catalysis for the production of synthetic natural gas from syngas

作者: Fan, M. T.; Lin, J. D.; Zhang, H. B.; Liao, D. W.

来源出版物: CHEMICAL COMMUNICATIONS卷: 51页: 15720-15723出版年: 2015

第27条，共138条

标题: Palladium nanoparticles supported on poly(diallyl dimethyl ammonium chloride)- mesoporous carbon as catalysts for nonylphenol oxidation

作者: Ma, Cui; Zheng, Zhi-Xiang; Liu, Juan-Juan; Li, Jiang; Wang, Chun-Ming

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY卷: 162页: H816-H823出版年: 2015

第28条，共138条

标题: Possibility of designing catalysts beyond the traditional volcano curve: a theoretical framework for multi-phase surfaces

作者: Wang, Ziyun; Wang, Hai-Feng; Hu, P.

来源出版物: CHEMISCAL SCIENCE卷: 6页: 5703-5711出版年: 2015

第29条，共138条

标题: A Cu(111) supported h-BN nanosheet: a potential low-cost and high-performance catalyst for CO oxidation

作者: Lin, Sen; Huang, Jing; Gao, Xiaomei

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 17页: 22097-22105出版年: 2015

第30条，共138条

标题: G-C3N4-coated activated carbon-supported Pd catalysts for 4-CBA hydrogenation: effect of nitrogen species

作者: Wang, Zhiwei; Wei, Jianren; Liu, Gonggang; Zhou, Yonghua; Han, Kai; Ye, Hongqi

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 5页: 3926-3930出版年: 2015

第31条，共138条

标题: A facile strategy for enhancing FeCu bimetallic promotion for catalytic phenol oxidation

作者: Luo, Lei; Dai, Chengyi; Zhang, Anfeng; Wang, Junhu; Liu, Min; Song, Chunshan; Guo, Xinwen

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 5页: 3159-3165出版年: 2015

第32条，共138条

标题: Decoration of Co/Co3O4 nanoparticles with Ru nanoclusters: a new strategy for design of highly active hydrogenation

作者: Zhu, Lihua; Yang, Zhiqing; Zheng, Jinbao; Hu, Weiwei; Zhang, Nuowei; Li, Yunhua; Zhong, Chuan-Jian; Ye, Hengqiang; Chen, Bing H.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 3页: 11716-11719出版年: 2015

第33条，共138条

标题: Advanced non-precious electrocatalyst of the mixed valence CoO (x) nanocrystals supported on N-doped carbon nanocages for oxygen reduction

作者: Chen, Sheng; Wang, Liwei; Wu, Qiang; Li, Xiang; Zhao, Yu; Lai; Hongwei; Yang, Lijun; Sun, Tao; Li, Yi; Wang, Xizhang

来源出版物: SCIENCE CHINA-CHEMISTRY卷: 58页: 180-186出版年: JAN 2015

第34条，共138条

标题: Importance of platinum particle size for complete oxidation of toluene over Pt/ZSM-5 catalysts

作者: Chen, Chunyu; Chen, Fang; Zhang, Ling; Pan, Shuxiang; Bian, Chaoqun; Zheng, Xiaoming; Meng, Xiangju; Xiao, Feng-Shou

来源出版物: CHEMICAL COMMUNICATIONS卷: 51页: 5936-5938出版年: 2015

第35条，共138条

标题: Tailoring nano-catalysts: turning gold nanoparticles on bulk metal oxides to inverse nano-metal oxides on large gold particles

作者: Zhao, Guofeng; Wu, Xin-Ping; Chai, Ruijuan; Zhang, Qiaofei; Gong, Xue-Qing; Huang, Jun; Lu, Yong

来源出版物: CHEMICAL COMMUNICATIONS卷: 51页: 5975-5978出版年: 2015

第36条，共138条

标题: Aluminium-rich Beta zeolite-supported platinum nanoparticles for the low-temperature catalytic removal of toluene

作者: Chen, Chunyu; Wu, Qinming; Chen, Fang; Zhang, Ling; Pan, Shuxiang; Bian, Chaoqun; Zheng, Xiaoming; Meng, Xiangju; Xiao, Feng-Shou

来源出版物: JOURNAL OF MATERIALS CHEMSTRY A卷: 3页: 5556-5562出版年: 2015

第37条，共138条

标题: Structure and catalytic activites 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; Zhao, Yuliang

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

第38条，共138条

标题: Crystal-plane-dependent metal-support interaction in Au/TiO2

作者: Liu, Lichen; Ge, Chengyan; Zou, Weixin; Gu, Xianrui; Gao, Fei; Dong, Lin

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 17页: 5133-5140出版年: 2015

第39条，共138条

标题: Atomically-thin two-dimensional sheets for understanding active sites in catalysis

作者: Sun, Yongfu; Gao, Shan; Lie, Fengcai; Xie, Yi

来源出版物: CHEMICAL SOCIETY REVIEWS卷: 44页: 623-636出版年: 2015

第40条，共138条

标题: Pt atoms stabilized on hexagonal boron nitride as efficient single-atom catalysits for CO oxidation: a first-principles investigation

作者: Liu, Xin; Duan, Ting; Meng, Changgong; Han, Yu

来源出版物: RSC ADVANCES卷: 5页: 10452-10459出版年: 2015

第41条，共138条

标题: Can metal-free silicon-doped hexagonal boron nitride nanosheets and nanotubes

作者: Lin, Sen; Ye, Xinxin; Huang, Jing

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 17页: 888-895出版年: 2015

第42条，共138条

标题: Transition metal atom embedded graphene for capturing CO: a first-principles study

作者: Wang, Lei; Luo, Qiquan; Zhang, Wenhua; Yang, Jinlong

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 39页: 20190-20196出版年: DEC 3 2014

第43条，共138条

标题: Hydrothermal synthesis of monodisperse dodecahedron alpha-Fe2O3 nanocrystals with high photocatalytic activity

作者: Song, Haojie; Zhang, Xueqiang; Chen, Tao; Jia, Xiaohua

来源出版物: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS卷: 25页: 5593-5600出版年: DEC 2014

第44条，共138条

标题: The graphene-meso-macroporous SiO2 supported Pt-Ni alloy nanocatalyst for preferential oxidation of CO in H-2-rich gases

作者: Niu, T.; Zhao, W. W.; Liu, G. L.; Cao, A.; Zhang, L. H.; Liu, Y.

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 39页: 18929-18939出版年: NOV 11 2014

第45条，共138条

标题: Remarkable effects of hydroxyl species on low-temperature CO (preferential) oxidation over Ir/Fe(OH)(x) catalyst

作者: Lin, Jian; Qiao, Botao; Li, Lin; Guan, Hongling; Ruan, Chongyan; Wang, Aiqin; Zhang, Wansheng; Wang Xiaodong; Zhang, Tao

来源出版物: JOURNAL OF CATALYSIS卷: 319页: 142-149出版年: NOV 2014

第46条，共138条

标题: Nickel-cobalt bimetallic anode catalysts for direct urea fuel cell

作者: Xu, Wei; Zhang, Huimin; Li, Gang; Wu, Zucheng

来源出版物: SCIENTIFIC REPORTS卷: 4页: 5863出版年: AUG 29 2014

第47条，共138条

标题: Insights into the effect of nanoconfinement on molecular interactions

作者: Chen, Yang; Wang, Shuangshou; Ye, Jin; Li, Daojin; Liu, Zhen; Wu, Xingcai

来源出版物: NANOSCALE卷: 6页: 9563-9567出版年: AUG 21 2014

第48条，共138条

标题: Ferric oxide-supported Pt subnano clusters for preferential oxidation of CO in H-2-rich gas at room temperature

作者: Qiao, Botao; Wang, Aiqin; Li, Lin; Lin, Qingquan; Wei, Haisheng; Liu, Jingyue; Zhang, Tao

来源出版物: ACS CATALYSIS卷: 4页: 2113-2117出版年: JUL 2014

第49条，共138条

标题: Nanostructured double-layer FeO as nanotemplate for tuning adsorption of titanyl phthalocyanine molecules

作者: Lu, Shuangzan; Qin, Zhihui; Cao, Gengyu

来源出版物: APPLIED PHYSICS LETTERS卷: 104页: 253104出版年: JUN 23 2014

第50条，共138条

标题: Shanghai synchrotron radiation facility

作者: He, Jianhua; Zhao, Zhentang

来源出版物: NATIONAL SCIENCE REVIEW卷: 1页: 171-172出版年: JUN 2014

第51条，共138条

标题: Interfacial effects in iron-nickel hydroxide-platinum nanoparticles enhance catalytic oxidation

作者: Chen, Guangxu; Zhao, Yun; Fu, Gang; Duchesne, Paul N.; Gu, Lin; Zheng, Yanping; Weng, Xuefei; Chen, Mingshu; Zhang, Peng; Pao, Chih-Wen; Lee, Jyh-Fu; Zheng, Nanfeng

来源出版物: SCIENCE卷: 344页: 495-499出版年: MAY 2 2014

第52条，共138条

标题: What and where are the active sites of oxide-supported nanostructured metal catalysts?

作者: Wang, Min; Wang, Feng

来源出版物: CHINESE JOURNAL OF CATALYSIS卷: 35页: 453-+出版年: APR 2014

第53条，共138条

标题: Magnetically recoverable nanoflake-shaped iron oxide/Pt heterogeneous catalysts and their excellent catalytic performance in the hydrogenation reaction

作者: Liu, Yanping; Chung, Jooyoung; Jang, Youngjin; Mao, Shuai; Kim, B. Moon; Wang, Yongqaing; Guo, Xiaohui

来源出版物: ACS APPLIED MATERIALS & INTERFACES卷: 6页: 1887-1892出版年: FEB 12 2014

第54条，共138条

标题: Fast chromogenic identification of phenolic pollutants via homogeneous oxidation with t-BuOOH in the presence of iron (III) octacarboxyphthalocyanine

作者: Li, Dapeng; Ge, Suxiang; Huang, Jun; Gong, Jingjing; Yan, Ping; Lu, Weiyu; Tiana, Guizhong; Ding, Liyun

来源出版物: CATALYSIS COMMUNICATIONS卷: 45页: 95-99出版年: FEB 5 2014

第55条，共138条

标题: Local atomic structure inheritance in Ag50Sn50 melt

作者: Bai, Yanwen; Bian, Xiufang; Qin, Jingyu; Hu, Lina; Yang, Jianfei; Zhang, Kai; Zhao, Xiaolin; Zhang, Shuo; Huang, Yuying; Yang, Chuncheng

来源出版物: JOURNAL OF APPLIED PHYSICS卷: 115页: 043506出版年: JAN 28 2014

第56条，共138条

标题: Microstructure and oxygen evolution of Fe-Ce mixed oxides by redox treatment

作者: Li, Kongzhai; Haneda, Masaaki; Ning, Peihong; Wang, Hua; Ozawa, Masakuni

来源出版物: APPLIED SURFACE SCIENCE卷: 289页: 378-383出版年: JAN 15 2014

第57条，共138条

标题: The correlation of interfacial interaction and catalytic performance of N-doped mesoporous carbon supported cobalt nanoparticles for Fischer-Tropsch synthesis

作者: Yang, Yifei; Jia, Litao; Hou, Bo; Li, Debao; Wang, Jungang; Sun, Yuhan

来源出版物: JOURNAL OFPHYSICAL CHEMISTRY C卷: 118页: 268-277出版年: JAN 9 2014

第58条，共138条

标题: Pt/Ru/C nanocomposites for methanol electrooxidation: how Ru nanocrystals’ surface structure affects catalytic performance of deposited Pt particles

作者: Gu, Jun; Liu, Wen-Chi; Zhao, Ze-Qiong; Lan, Guang-Xu; Zhu, Wei; Zhang, Ya-Wen

来源出版物: INORGANIC CHEMISTRY FRONTIERS卷: 1页: 109-117出版年: 2014

第59条，共138条

标题: Mechanisms for CO oxidation on Fe(III)-OH-Pt interface: a DFT study

作者: Zhao, Yun; Chen, Guangxu; Zheng, Nanfeng; Fu, Gang

来源出版物: FARADAY DISCUSSIONS卷: 176页: 381-392出版年: 2014

第60条，共138条

标题: CO oxidation catalyzed by Pt-embedded graphene: a first-principles investigation

作者: Liu, Xin; Sui, Yanhui; Duan, Ting; Meng, Changong; Han, Yu

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 16页: 23584-23593出版年: 2014

第61条，共138条

标题: The effects of the Pd chemical state on the activity of Pd/Al2O3 catalysts in CO oxidation

作者: Zhang, Yanhui; Cai, Yafeng; Guo, Yun; Wang, Haifeng; Wang, Li; Lou, Yang; Guo, Yanglong; Lu, Guanzhong; Wang, Yanqing

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 4页: 3973-3980出版年: 2014

第62条，共138条

标题: Design of a highly active Pt/Al2O3 catalyst for low-temperature CO oxidation

作者: An, Nihong; Yuan, Xiaoling; Pan, Bo; Li, Qinglin; Li, Suying; Zhang, Wenxiang

来源出版物:RSC ADVANCES卷: 4页: 38250-38257出版年: 2015

第63条，共138条

标题: Nanoconfining affinity materials for pH-mediated protein capture-release

作者: Li, Qianjin; Tu, Xueying; Ye, Jin; Bie, Zijun; Bi, Xiaodong; Liu, Zhen

来源出版物: CHEMICAL SCIENCE卷: 5页: 4065-4069出版年: 2014

第64条，共138条

标题: Magnetic iron oxide nanoparticles coated by hierarchically structured silica: a highly stable nanocomposite system an ideal catalyst support

作者: Jin, Changzi; Wang, Yanjie; Wei, Haisheng; Tang, Hailian; Liu, Xin; Lua, Ting; Wang, Junhu

来源出版物:JOURNAL OF MATERIALS CHEMISTRY A卷: 2页: 11202-11208出版年: 2014

第65条，共138条

标题: A used battery supported Ag catalyst for efficient oxidation of alcohols and carbon oxide

作者: Mao, Junjie; Zhao, Guofeng; Wang, Dingsheng; Li, Yadong

来源出版物: RSC ADVANCES卷: 4页: 25384-25388出版年: 2014

第66条，共138条

标题: Splendid century of X-ray crystallography

作者: Ma, Lidun

来源出版物: PROGRESS IN PHYSICS卷: 34页: 47-117出版年: 2014

第67条，共138条

标题: Improved H2S gas sensing properties of ZnO nanorods decorated by a seceral nm ZnS thin layer

作者: Qi, Gaocan; Zhang, Li; Yuan, Zhihao

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 16页: 13434-13439出版年: 2014

第68条，共138条

标题: Ultralow-temperature CO oxidation on an In2O3-Co3O4 catalyst: a strategy to tune CO adsorption strength and oxygen activation simultaneously

作者: Lou, Yang; Cao, Xiao-Ming; Lan, Jinggang; Wang, Li; Dai, Qiguang; Guo, Yun; Ma, Jian; Zhao, Zhenyang; Guo, Yanglong; Hu, P.; Lu, Guanzhong

来源出版物: CHEMICAL COMMUNICATIONS卷: 50页: 6835-6838出版年: 2014

第69条，共138条

标题: Confined synthesis of ultrafine Ru-B amorphous alloy and its catalytic behavior toward selective hydrogenation of benzene

作者: Liu, Jie; He, Shan; Li, Changming; Wang, Fei; Wei, Min; Evans, David G.; Duan, Xue

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 2页: 7570-7577出版年: 2014

第70条，共138条

标题: Noble metal nanoparticle@metal oxide core/yolk-shell nanostructures as catalysts: recent progress and perspective

作者: Li, Guodong; Tang, Zhiyong

来源出版物: NANOSCALE卷: 6页: 3995-4011出版年: 2014

第71条，共138条

标题: La-doped Al2O3 supported Au nanoparticles: highly active and selective catalysts for PROX under PEMFC operation condition

作者: Lin, Qingquan; Qiao, Botao; Huang, Yanqiang; Li, Lin; Lin, Jian; Liu, Xiao Yan; Wang, Aiqin; Li, Wen-Cui; Zhang, Tao

来源出版物: CHEMICAL COMMUNICATIONS卷: 50页: 2721-2724出版年: 2014

第72条，共138条

标题: Design and synthesis of 3D ordered macroporous CeO2-supported Pt@CeO2-delta core-shell nanoparticle materials for enhanced catalytic activity of soot oxidation

作者: Wei, Yuechang; Zhao, Zhen; Liu, Jian; Xu, Chunming; Jiang, Guiyuan; Duan, Aijun

来源出版物: SMALL卷: 9页: 3957-3963出版年: DEC 9 2013

第73条，共138条

标题: Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation

作者: Sun, Yongfu; Liu, Qinghua; Gao, Shan; Cheng, Hao; Lei, Fengcai; Sun, Zhihu; Jiang, Yong; Su, Haibin; Wei, Shiqiang; Xie, Yi

来源出版物: NATURE COMMUNICATIONS卷: 4页: 2899出版年: NOV 2013

第74条，共138条

标题: Kinetics and active surfaces for CO oxidation on Pt-group metal under oxygen rich conditions

作者: Chen, Mingshu; Zheng, Yanping; Wan, Huilin

来源出版物: TOPICS IN CATALYSIS卷: 56页: 1299-1313出版年: NOV 2013

第75条，共138条

标题: Size effects of platinum colloid particles on the structure and CO oxidation properties of supported Pt/Fe2O3 catalysts

作者: An, Nihong; Li, Suying; Duchesne, Paul N.; Wu, Ping; Zhang, Wenlong; Lee, Jhy-Fu; Cheng, Soofin; Zhang, Peng; Jia, Mingjun; Zhang, Wenxiang

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 21254-21262出版年: OCT 17 2013

第76条，共138条

标题: Pd-Cu2O and Ag-Cu2O hybrid concave nanomaterials for an effective synergistic catalyst

作者: Li, Lingling; Chen, Xiaobin; Wu, Yuen; Wang, Dingsheng; Peng, Qing; Zhou, Gang; Li, Yadong

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 52页: 11049-11053出版年: OCT 11 2013

第77条，共138条

标题: Exploration of the interaction of RuO2-Au composite nanoparticles formed by one-step synthesis within the mesopores

作者: Jin, Jiabin; Yan, Xiaoqing; Xu, Shaodan; Liu, Shengjie; Hong, Jinhua; Huang, Fenfen; Dai, Yihu; Jin, Chuanghong; Fan, Jie

来源出版物: CHEMISTRY OF MATERIALS卷: 25页: 3921-3927出版年: OCT 8 2013

第78条，共138条

标题: Au/SiOx composite thin film as catalyst for solvent-free hydrocarbon oxidation

作者: Han, Xiao; Huang, Hui; Zhang, Hengchao; Zhang, Xing; Li, Haitao; Liu, Ruihua; Liu, Yang; Kang, Zhenhui

来源出版物: MATERIALS RESEARCH BULLETIN卷: 48页: 3717-3722出版年: OCT 2013

第79条，共138条

标题: Atomically thin tin dioxide sheets for efficient catalytic oxidation of carbon monoxide

作者: Sun, Yongfu; Lei, Fengcai; Gao, Shan; Pan, Bicai; Zhou, Jingfang; Xie, Yi

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 52页: 10569-10572出版年: SEP 27 2013

第80条，共138条

标题: Structure, chemical ordering and thermal stability of Pt-Ni alloy nanoclusters

作者: Cheng, Daojian; Yuan, Shuai; Ferrando, Riccardo

来源出版物: JOURNAL OF PHYSICS-CONDENSED MATTER卷: 25页: 355008出版年: SEP 4 2013

第81条，共138条

标题: Atomic-scale probing the priority of oxidation sites of an organic molecule adsorbed at the CuO/Cu(110) interface

作者: Sheng, Kai; Kong, Huihui; Li, Zhiwen; Zhang, Chi; Sun, Qiang; Tan, Qinggang; Pan, Yunxiang; Hu, Aiguo; Xu, Wei

来源出版物: CHEMCATCHEM卷: 5页: 2662-2666出版年: SEP 2013

第82条，共138条

标题: First-principles investigations of metal (Cu, Ag, Au, Pt, Rh, Pd, Fe, Co, and Ir) doped hexagonal boron nitride nanosheets: stability and catalysis of CO oxidation

作者: Lin, Sen; Ye, Xinxin; Johnson, Ryan S.; Guo, Hua

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 17319-17326出版年: AUG 22 2013

第83条，共138条

标题: Catalysis by gold: new insights into the support effect

作者: Liu, Xiao Yan; Wang, Aiqin; Zhang, Tao; Mou, Chung-Yuan

来源出版物: NANO TODAY卷: 8页: 403-416出版年: AUG 2013

第84条，共138条

标题: Weak affinity for CO of platinum group metal nanoparticles supported on partially reduced iron oxides

作者: Xiao, Chao; Liang, Minghui; Gao, Ang; Xie, Jinglin; Wang, Yuan; Liu, Haichao

来源出版物: JOURNAL OF NANOPARTICLE RESEARCH卷: 15页: UNSP 1822出版年: AUG 2013

第85条，共138条

标题: Microstructured Au/Ni-fiber catalyst for low-temperature gas-phase alcohol oxidation: evidence of Ni2O3-Au+ hybrid active sites

作者: Zhao, Guofeng; Huang, Jun; Jiang, Zheng; Zhang, Shuo; Chen, Li; Lu, Yong

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 140页: 249-257出版年: AUG-SEP 2013

第86条，共138条

标题: Synergistic effects of VOx-Pt probed by the oxidation of propane on VOx/Pt(111)

作者: Zheng, Yanping; Zhang, Lihua; Wang, Shaolin; Ding, Ding; Zhang, Hong; Chen, Mingshu; Wan, Huilin

来源出版物: LANGMUIR卷: 29页: 9090-9097出版年: JUL 23 2013

第87条，共138条

标题: The roles of hydroxyapatite and FeOx in a Au/FeOx-hydroxyapatite catalyst for CO oxidation

作者: Zhao Kunfeng; Qiao, Botao; Zhang, Yanjie; Wang, Junhu

来源出版物: CHINESE JOURNAL OF CATALYSIS卷: 34页: 1386-1394出版年: JUL 2013

第88条，共138条

标题: Effect of methanol concentration on oxygen reduction reaction activity of Pt/C catalysts

作者: Tang, Shuihua; Lin, Wenfeng; Christensen, Paul A.; Haarberg, Geir Martin

来源出版物: CHINESE JOURNAL OF CATALYSIS卷: 34页: 1105-1111出版年: JUL 2013

第89条，共138条

标题: Active sites of Pd-doped flat and stepped Cu(111) surfaces for H-2 dssociation in heterogeneous catalytic hydrogenation

作者: Fu, Qiang; Luo, Yi

来源出版物: ACS CATALYSIS卷: 3页: 1245-1252出版年: JUN 2013

第90条，共138条

标题: Ag@AgHOW as a plasmonic catalyst for visible-light photocatalytic degradation of environmentally harmful organic pollutants

作者: Zhou, Wenhui; Cao, Minhua; Li, Na; Su, Shuangyue; Zhao, Xinyu; Wang, Jiangqiang; Li, Xianghua; Hu, Changwen

来源出版物: MATERIALS RESEARCH BULLETIN卷: 48页: 2308-2316出版年: JUN 2013

第91条，共138条

标题: Low-temperature reactivity of Zn+ ions confined in ZSM-5 zeolite toward carbon monoxide oxidation: insight from in situ DRIFT and ESR spectroscopy

作者: Qi, Guodong; Xu, Jun; Su, Jihu; Chen, Jiafu; Wang, Xiumei; Deng, Feng

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY卷: 135页: 6762-6765出版年: MAY 8 2013

第92条，共138条

标题: Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications

作者: Wu, Binghui; Zheng, Nanfeng

来源出版物: NANO TODAY卷: 8页: 168-197出版年: APR 2013

第93条，共138条

标题: Progress in catalysis in China during 1982-2012: theory and technological innovatoins

作者: Xin, Qin; Lin, Liwu

来源出版物: CHINESE JOURNAL OF CATALYSIS卷: 34页: 401-435出版年: MAR 2013

第94条，共138条

标题: Origin of the high activity of Au/FeOx for low-temperature CO oxidation: direct evidence for a redox mechanism

作者: Li, Lin; Wang, Aiqin; Qiao, Botao; Lin, Jian; Huang, Yanqiang; Wang, Xiaodong; Zhang, Tao

来源出版物: JOURNAL OF CATALYSIS卷: 299页: 90-100出版年: MAR 2013

第95条，共138条

标题: Structural and synergistic effects of three-dimensionally ordered macroporous Ce0.8Zr0.2O2-supported Pt nanoparticles on the catalytic performance for soot combustion

作者: Wei, Yuechang; Liu, Jian; Zhao, Zhen; Xu, Chunming; Duan, Aijun; Jiang, Guiyuan

来源出版物:APPLIED CATALYSIS A-GENERAL卷: 453页: 250-261出版年: FEB 26 2013

第96条，共138条

标题: Single-step rapid assembly of DNA origami nanostructures for addressable nanoscale bioreactors

作者: Fu, Yanming; Zeng, Dongdong; Chao, Jie; Jin, Yanqiu; Zhang, Zhao; Liu, Huajie; Li, Di; Ma, Hongwei; Huang, Qing; Gothelf, Kurt V.; Fan, Chunhai

来源出版物: JOURNAL OF AMERICAN CHEMICAL ROCIETY卷: 135页: 696-702出版年: JAN 16 2013

第97条，共138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: 2013页: 871528出版年: 2013

第98条，共138条

标题: One-pot synthesis of core-shell Au@CeO2-delta nanoparticles supported on three-dimensionally ordered macroporous ZrO2 with enhanced catalytic activity and stability for soot combustion

作者: Wei, Yuechang; Zhao, Zhen; Yu, Xuehua; Jin, Baofeng; Liu, Jian; Xu, Chunming; Duan, Aijun; Jiang, Guiyuan; Ma, Shuhua

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 3页: 2958-2970出版年: 2013

第99条，共138条

标题: Origin of the unexpected room temperature ferromagnetism: formation of artificial defects on the surface in NaCl particles

作者: Zhang, Jing; Gao, Daqiang; Si, Mingsu; Zhu, Zhonghua; Yang, Guijin; Shi, Zhenhua; Xue, Desheng

来源出版物: JOURNAL OF MATERIALS CHEMSITRY C卷: 1页: 6216-6222出版年: 2013

第100条，共138条

标题: Insights into support wettability in tuning catalytic performance in the oxidation of aliphatic alcohols to acids

作者: Wang, Min; Wang, Feng; Ma, Jiping; Chen, Chen; Shi, Song; Xu, Jie

来源出版物: CHEMICAL COMMUNICATIONS卷: 49页: 6632-6625出版年: 2013

第101条，共138条

标题: Reaction mechanism of WGS and PROX reactions catalyzed by Pt/oxide catalysts revealed by an FeO(111)/Pt(111) inverse model catalyst

作者: Xu, Lingshun; Wu, Zongfang; Jin, Yuekang; Ma, Yunsheng; Huang, Weixin

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 15页: 12068-12074出版年: 2013

第102条，共138条

标题: Effects of O-2 pressure on the oxidation of VOx/Pt(111)

作者: Tang, Zhenyan; Wang, Shaolin; Zhang, Lihua; Ding, Ding; Chen, Mingshu; Wan, Huilin

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 15页: 12124-12131出版年: 2013

第103条，共138条

标题: High performance membrane electrode assembly with low platinum loadings prepared by atomic layer deposition for PEMFC application

作者: Shu, Ting; Liao, Shijun; Hsieh, Chiente; Su, Ay

来源出版物: JOURNAL OF ELECTROCHEMISTRY卷: 19页: 65-70出版年: 2013

第104条，共138条

标题: Activation of specific sites on cubic nanocrystals: a new pathway for controlled epitaxial growth towards catalytic applications

作者: Bai, Yu; Long, Ran; Wang, Chengming; Gong, Ming; Li, Yanrui; Huang, Hao; Xu, Hui; Li, Zhengquan; Deng, Mingsen; Xiong, Yujie

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 1页: 4228-4235出版年: 2013

第105条，共138条

标题: Ni2O3-Au+ hybrid active sites on NiOx@Au ensembles for low-temerature gas-phase oxidation of alcohols

作者: Zhao, Guofeng; Hu, Huanyun; Chen, Wei; Jiang, Zheng; Zhang, Shuo; Huang, Jun; Lu, Yong

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY卷: 3页: 404-408出版年: 2013

第106条，共138条

标题: Bond-energy decoupling: principle and application to heterogeneous catalysis

作者: Huang, Bing; Zhuang, Lin; Xiao, Li; Lu, Juntao

来源出版物: CHEMICAL SCIENCE卷: 4页: 606-611出版年: 2013

第107条，共138条

标题: Improving sulfur tolerance of noble metal catalysts by tungsten oxide-induced effects

作者: Xu, Ran; Xu, Feng; Pan, Mu; Mu, Shichun

来源出版物: RSC ADVANCES卷: 3页: 764-773出版年: 2013

第108条，共138条

标题: Active coordinatively unsaturated manganese monoxide-containing mesoporous carbon catalyst in wet peroxide oxidation

作者: Kong, Lina; Wei, Wei; Zhao, Qingfei; Wang, Jian-Qiang; Wan, Ying

来源出版物: ACS CATALYSIS卷: 2页: 2577-2586出版年: DEC 2012

第109条，共138条

标题: Active sites of supported KF catalysts for transesterification

作者: Xuan, Jing-an; Zheng, Xinsheng; Hu, Hancheng

来源出版物: CATALYSIS COMMUNICATIONS卷: 28页: 124-127出版年: NOV 5 2012

第110条，共138条

标题: Oxygen vacancy-induced novel low-temperature water splitting reactions on FeO(111) mono layer-thick film

作者: Xu, Lingshun; Wu, Zongfang; Zhang, Wenhua; Jin, Yuekang; Yuan, Qing; Ma, Yunsheng; Huang, Weixin

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 22921-22929出版年: NOV 1 2012

第111条，共138条

标题: Inverse NiO1-x/Cu catalyst with high activity toward water-gas shift

作者: Gan, Li-Yong, Zhao, Yu-Jun

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 16089-16092出版年: AUG 2 2012

第112条，共138条

标题: Simple replacement reaction for the preparation of ternary Fe1-xPtRux nanocrystals with superior catalytic activity in methanol oxidation reaction

作者: Wang, Di-Yan; Chou, Hung-Lung; Lin, Yen-Chen; Lai, Feng-Ju; Chen, Ching-Hsiang; Lee, Jyh-Fu; Hwang, Bing-Joe; Chen, Chia-Chun

来源出版物: JOURNAL OF AMERICAN CHEMICAL SOCIETY卷: 134页: 10011-10020出版年: JUN 20 2012

第113条，共138条

标题: Recent advances in preferential oxidation of CO reaction over platinum group metal catalysts

作者: Liu, Kuo; Wang, Aiqin; Zhang, Tao

来源出版物: ACS CATALYSIS卷: 2页: 1165-1178出版年: JUN 2012

第114条，共138条

标题: CO desorption ability from Pt enhanced by Al2O3: an in situ real-time attenuated total reflection infrared investigation

作者: Hu, Gengshen; Gao, Hongsheng; Williams, Christopher T.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 6247-6250出版年: MAR 15 2012

第115条，共138条

标题: Highly dispersed Pt nanoparticles supported on mesoporous carbon and its electrocatalytic performance for ethylene glycol oxidation

作者: Chen, Zhidong; Chen, Zhuanxia; Tang, Jiali; Xu, Juan; Wang, Wenchang; Cao, Jianyu

来源出版物: ACTA CHIMICA SINICA卷: 70页: 241-246出版年: FEB 14 2012

第116条，共138条

标题: Surface electronic structure of polar NiO(111) films

作者: Wang, Shuai; Liu, Shuming; Guo, Jiandong; Wu, Kehui; Guo, Qinlin

来源出版物: SURFACE SCIENCE卷: 606页: 378-382出版年: FEB 2012

第117条，共138条

标题: Approaches to support noble metal nanoparticles on carbon nanotube as catalyst

作者: Jiang, Yulin; He, Daping; Mu, Shichun

来源出版物: BATTERY卷: 42页: 296-298出版年: 2012

第118条，共138条

标题: Enhanced visible photocatalytic activity of hybrid Pt/alpha-Fe2O3 nanorods

作者: Chen, Long; Li, Feng; Ni, Binbin; Xu, Jiao; Fu, Zhengping; Lu, Yalin

来源出版物: RSC ADVANCES卷: 2页: 10057-10063出版年: 2012

第119条，共138条

标题: Porous and hollow metal-layer@SiO2 nanocomposites as stable nanoreactors for hydrocarbon selective oxidation

作者: Zhang, Hengchao; Huang, Hui; Liu, Yang; Han, Xiao; Ma, Zheng; Zhang, Lili; Li, Haitao; Kang, Zhenhui

来源出版物: JOURNAL OF MATERIALS CHEMISTRY卷: 22页: 20182-20185出版年: 2012

第120条，共138条

标题: Tunable synthesis of metal-graphene complex nanostructures and theit catalytic ability for solvent-free cyclohexene oxidation in air

作者: Huang, Hui; Zhang, Hengchao; Ma, Zheng; Liu, Yang; Ming, Hai; Li, Haitao; Kang, Zhenhui

来源出版物: NANOSCALE卷: 4页: 4964-4967出版年: 2012

第121条，共138条

标题: Surface physical chemistry of model system for heterogeneous catalysis

作者: Huang, Weixin

来源出版物: SCIENTIA SINICA CHIMICA卷: 42页: 469-479出版年: 2012

第122条，共138条

标题: Current status of vehicle fuel cells and electrocatalysis

作者: Yu, HongMei; Yi, Baolian

来源出版物: SCIENTIA SINICA CHIMICA卷: 42页: 480-494出版年: 2012

第123条，共138条

标题: Progress and perspective of fuel cell technology

作者: Hou, Ming; Yi, Baolian

来源出版物: JOURNAL OF ELECTROCHEMISTRY卷: 18页: 1-13出版年: 2012

第124条，共138条

标题: Design of a highly active Ir/Fe(OH)x catalyst: versatile application of Pt-group metals for the preferential oxidation of carbon monoxide

作者: Lin, J.; Qiao, Botao; Liu, Jingyue; Huang, Yanqiang; Wang, Aiqin; Li, Lin; Zhang, Wansheng; Allard, Lawrence F.; Wang, Xiaodong; Zhang, Tao

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 51页: 2920-2924出版年: 2012

第125条，共138条

标题: A theoretic insight into the catalytic activity promotion of CeO2 surfaces by Mn doping

作者: Cen, Wanglai; Liu, Yue; Wu, Zhongbiao; Wang, Haiqiang; Weng, Xiaole

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 14页: 5769-5777出版年: 2012

第126条，共138条

标题: Hollow Fe2O3 polyhedrons: one-pot synthesis and their use as electrochemical material for nitrite sensing

作者: Cao, Xia; Xu, Yanjun; Wang, Ning

来源出版物: ELECTROCHIMICA ACTA卷: 59页: 81-85出版年: JAN 1 2012

第127条，共138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128条，共138条

标题: Single-atom catalysis of CO oxidation using Pt-1/FeOx

作者: Qiao, Botao; Wang, Aiqin; Yang, Xiaofeng; Allard, Lawrence F.; Jiang, Zheng; Cui, Yitao; Liu, Jingyue; Li, Jun; Zhang, Tao

来源出版物: NATRUE CHEMISTRY卷: 3页: 634-641出版年: AUG 2011

第129条，共138条

标题: Hydroxyls-involved interfacial CO oxidation catalyzed by FeOx(111) monolayer islands supported on Pt(111) and the unique role of oxygen vacancy

作者: Xu, Lingshon; Wu, Zongfang; Zhang, Yulin; Chen, Bohao; Jiang, Zhiquan; Ma, Yunsheng; Huang, Weixin

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 115页: 14290-14299出版年: JUL 28 2011

第130条，共138条

标题: Preparation of Pt@Fe2O3 nanowires and their catalysis of selective oxidation of olefins and alcohols

作者: Hong, Haiyan; Hu, Lei; Li, Min; Zheng, Junwei; Sun, Xuhui; Lu, Xinhua; Cao, Xueqin; Lu, Jianmei; Gu, Hongwei

来源出版物: CHEMISTRY-A EUPOPEAN JOURNAL卷: 17页: 8726-8730出版年: JUL 2011

第131条，共138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132条，共138条

标题: Enhanced performance of Ru nanoparticles confined in carbon nanotubes for CO preferential oxidation in 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133条，共138条

标题: Oxygen vacancy-controlled reactivity of hydroxyls on an FeO(111) monolayer film

作者: Xu, Lingshun; Zhang, Wenhua; Zhang, Yulin; Wu, Zongfang; Chen, Bohao; Jiang, Zhiquan; Ma, Yunsheng; Yang, Jinlong; Huang, Weixin

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C卷: 115页: 6815-6824出版年: APR 14 2011

第134条，共138条

标题: Selective CO oxidation over CuO-CeO2 catalysts doped with transition metal oxides

作者: Zou, Hanbo; Chen, Shengzhou; Liu, Zili; Lin, Weiming

来源出版物: POWDER TECHNOLOGY卷: 207页: 238-244出版年: FEB 15 2011

第135条，共138条

标题: X-ray microscopy beamlines at SSRF – present status and future plan

作者: Xu, H.; Yu, X.; Tai, R.

来源出版物: 10TH INTERNATIONAL CONFERENCE ON X-RAY MICROSCOPY卷: 1356页: 52-56出版年: 2011

第136条，共138条

标题: Microstructured Au/Ni-fiber catalyst for low-temperature gas-phase selective oxidation of alcohols

作者: Zhao, Guofeng; Hu, Huanyun; Deng, Miaomiao; Lu, Yong

来源出版物: CHEMICAL COOMMUNICATIONS卷: 47页: 9642-9644出版年: 2011

第137条，共138条

标题: Catalysts and catalytic oxidation mechanisms for the removal of trace amount of carbon monoxide in olefins

作者: Zhan, Junrong; Luo, Yong; Ye, Liping; Li, Jianlong; Wu, Xiangyang

来源出版物: CHEMICAL INDUSTRY AND ENGINNERING PROGRESS卷: 30页: 2424-2432出版年: 2011

第138条，共138条

标题: Observation of water dissociation on nanometer-sized FeO islands grown on Pt(111)

作者: Wang, Wen; Zhang, Hui; Wang, Weihua; Zhao, Aidi; Wang, Bing; Hou, J. G.

来源出版物: CHEMICAL PHYSICS LETTERS卷: 500页: 76-81出版年: NOV 10 2010

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