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** | **Iron Encapsulated within Pod-like Carbon Nanotubes for Oxygen Reduction Reaction** | | | | |
| **作者（英文）** | **Deng, Dehui; Yu, Liang; Chen, Xiaoqi; Wang, Guoxiong; Jin, Li; Pan, Xiulian; Deng, Jiao; Sun, Gongquan; Bao, Xinhe** | | | | |
| **作者（中文）** | **邓德会，于良，陈晓琪；汪国雄；金立；潘秀莲，邓浇；**  **孙公权，包信和** | | | | |
| **期刊名称** | **ANGEWANDTE CHEMIE-INTERNATIONAL EDITION** | | | | |
| **发表日期** | **2012.12.6** | **卷** | **52** | **起止页码** | **371 – 375** |
| **总引用次数** | **147** | | | **他引次数** | **133** |
| **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 36 条

标题: Carbon Nanohorn-Derived Graphene Nanotubes as a Platinum-Free Fuel Cell Cathode

作者: Unni, Sreekuttan M.; Illathvalappil, Rajith;  Bhange, Siddheshwar N.;  Puthenpediakkal, Hasna; Kurungot, Sreekumar

来源出版物: ACS Applied Materials & Interfaces 卷: 7 页: 24256-24264 出版年: NOV 4 2015

第 2 条，共 36 条

标题: 3D Nanoporous Nitrogen-Doped Graphene with Encapsulated RuO2 Nanoparticles for Li-O-2 Batteries

作者: Guo, Xianwei;  Liu, Pan;  Han, Jiuhui;  Ito, Yoshikazu;  Hirata, Akihiko;  Fujita, Takeshi;  Chen, Mingwei

来源出版物: ADVANCED MATERIALS 卷: 27 页:6137-6143 出版年: OCT 28 2015

第 3 条，共 36 条

标题: Wire Up on Carbon Nanostructures! How To Play a Winning Game

作者: Marchesan, Silvia;  Melchionna, Michele;  Prato, Maurizio

来源出版物: ACS NANO 卷: 9 页: 9441-9450 出版年: OCT 2015

第 4 条，共 36 条

标题: Porous Carbon Supports: Recent Advances with Various Morphologies and Compositions

作者: Zhang, Pengfei; Zhu, Huiyuan; Dai, Sheng]

来源出版物: CHEMCATCHEM 卷: 7 页: 2788-2805 出版年: SEP 14 2015

第 5 条，共 36 条

标题: Co3O4-MnO2-CNT Hybrids Synthesized by HNO3 Vapor Oxidation of Catalytically Grown CNTs as OER Electrocatalysts

作者: Xie, Kunpeng ; Masa, Justus ; Madej, Edyta ; Yang, Fengkai; Weide, Philipp; Dong, Weiwen ; Muhler, Martin; Schuhmann, Wolfgang; Xia, Wei

来源出版物: CHEMCATCHEM 卷: 7 页: 3027-3035 出版年: SEP 14 2015

第 6 条，共 36 条

标题: Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes

作者: Duan, Jingjing; Chen, Sheng ; Jaroniec, Mietek; Qiao, Shi Zhang

来源出版物: ACS CATALYSIS 卷: 5 页: 5207-5234 出版年: SEP 2015

第 7 条，共 36 条

标题: Carboxylated, Fe-Filled Multiwalled Carbon Nanotubes as Versatile Catalysts for O-2 Reduction and H-2 Evolution Reactions at Physiological pH

作者: Bracamonte, M. Victoria; Melchionna, Michele ; Stopin, Antoine ; Giulani, Angela ; Tavagnacco, Claudio ; Garcia, Yann; Fornasiero, Paolo; Bonifazi, Davide ; Prato, Maurizio

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL 卷: 21 页: 12769-12777 出版年: SEP 1 2015

第 8 条，共 36 条

标题: On the Role of Metals in Nitrogen-Doped Carbon Electrocatalysts for Oxygen Reduction

作者: Masa, Justus; Xia, Wei; Muhler, Martin ; Schuhmann, Wolfgang

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 页: 10102-10120 出版年: AUG 24 2015

第 9 条，共 36 条

标题: A review of the stability and durability of non-precious metal catalysts for the oxygen reduction reaction in proton exchange membrane fuel cells

作者: Banham, Dustin; Ye, Siyu ; Pei, Katie ; Ozaki, Jun-ichi; Kishimoto, Takeaki; Imashiro, Yasuo

来源出版物: JOURNAL OF POWER SOURCES 卷: 285 页: 334-348 出版年: JUL 1 2015

第 10 条，共 36 条

标题: Highly active oxygen reduction non-platinum group metal electrocatalyst without direct metal-nitrogen coordination

作者: Strickland, Kara ; Elise, Miner, Elise; Jia, Qingying; Tylus, Urszula; Ramaswamy, Nagappan ; Liang, Wentao; Sougrati, Moulay-Tahar; Jaouen, Frederic ; Mukerjee, Sanjeev

来源出版物: NATURE COMMUNICATIONS 卷: 6 页: 7343 出版年: JUN 2015

第 11 条，共 36 条

标题: Cobalt Nanoparticles Embedded in Nitrogen-Doped Carbon for the Hydrogen Evolution Reaction

作者: Fei, Huilong ; Yang, Yang ; Peng, Zhiwei ; Ruan, Gedeng ; Zhong, Qifeng ; Li, Lei; Samuel, Samuel, Errol L. G.; Tour, James M.

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 页: 8083-8087 出版年: APR 22 2015

第 12 条，共 36 条

标题: Single-Shell Carbon-Encapsulated Iron Nanoparticles: Synthesis and High Electrocatalytic Activity for Hydrogen Evolution Reaction

作者: Tavakkoli, Mohammad; Kallio, Tanja ; Reynaud, Olivier; Nasibulin, Albert G.; Johans, Christoffer; Sainio, Jani ; Jiang, Hua; Kauppinen, Esko I. ; Laasonen, Kari

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 页: 4535-4538 出版年: APR 7 2015

第 13 条，共 36 条

标题: Advancing the Electrochemistry of the Hydrogen-Evolution Reaction through Combining Experiment and Theory

作者: Zheng, Yao ; Jiao, Yan; Jaroniec, Mietek ; Qiao, Shi Zhang

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 页: 52-65 出版年: JAN 2 2015

第 14 条，共 36 条

标题: Design of an active and durable catalyst for oxygen reduction reactions using encapsulated Cu with N-doped carbon shells (Cu@N-C) activated by CO2 treatment

作者: Noh, Seung Hyo; Seo, Min Ho ; Ye, Xiao; Makinose, Yuki ; Okajima, Takeyoshi ; Matsushita, Nobuhiro ; Han, Byungchan; Ohsaka, Takeo

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 页: 22031-22034 出版年: 2015

第 15 条，共 36 条

标题: Reduction of Charge and Discharge Polarization by Cobalt Nanoparticles-Embedded Carbon Nanofibers for Li-O-2 Batteries

作者: Kim, Yun-Jung; Lee, Hongkyung; Lee, Dong Jin ; Park, Jung-Ki ; Kim, Hee-Tak

来源出版物: CHEMSUSCHEM 卷: 8 页: 2496-2502 出版年: 2015

第 16 条，共 36 条

标题: Carbon nanotubes and catalysis: the many facets of a successful marriage

作者: Melchionna, M.; Marchesan, S.; Prato, M.; Fornasiero, P.

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY 卷: 5 页: 3859-3875 出版年: 2015

第 17 条，共 36 条

标题: MIL-100 derived nitrogen-embodied carbon shells embedded with iron nanoparticles

作者: Mao, Chengyu; Kong, Aiguo ; Wang, Yuan; Bu, Xianhui ; Feng, Pingyun

来源出版物: NANOSCALE 卷: 7 页: 10817-10822 出版年: 2015

第 18 条，共 36 条

标题: Electrocatalytic activity of alkyne-functionalized AgAu alloy nanoparticles for oxygen reduction in alkaline media

作者: Hu, Peiguang; Song, Yang ; Chen, Limei ; Chen, Shaowei

来源出版物: NANOSCALE 卷: 7 页: 9627-9636 出版年: 2015

第 19 条，共 36 条

标题: Study of FePt deposited reduced graphene oxide's utility as a catalyst towards oxygen reduction and methanol oxidation reactions

作者: Kannan, R.; Silva, A. A. ; Cardoso, F. M. ; Gupta, G. ; Aslam, Z. ; Sharma, S.; Steinberger-Wilckens, R.

来源出版物: RSC ADVANCES 卷: 5 页: 36933-36998 出版年: 2015

第 20 条，共 36 条

标题: Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions

作者: Jiao, Yan; Zheng, Yao; Jaroniec, Mietek ; Qiao, Shi Zhang

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 44 页: 2060-2086 出版年: 2015

第 21 条，共 36 条

标题: From cage-in-cage MOF to N-doped and Co-nanoparticle-embedded carbon for oxygen reduction reaction

作者: Kong, Aiguo; Mao, Chengyu; Lin, Qipu; Wei, Xiao ; Bu, Xianhu; Feng, Pingyun

来源出版物: DALTON TRANSACTIONS 卷: 44 页: 6748-6754 出版年: 2015

第 22 条，共 36 条

标题: Dimensionality-dependent oxygen reduction activity on doped graphene: Is graphene a promising substrate for electrocatalysis?

作者: Chung, Min Wook; Choi, Chang Hyuck ; Lee, Seung Yong ; Woo, Seong Ihl

来源出版物: NANO ENERGY 卷: 11 页: 526-532 出版年: JAN 2015

第 23 条，共 36 条

标题: Enhanced catalytic activity of palladium nanoparticles confined inside porous carbon in methanol electro-oxidation

作者: Datta, Abheek; Kapri, Sutanu; Bhattacharyya, Sayan

来源出版物: GREEN CHEMISTRY 卷: 17 页: 1572-1580 出版年: 2015

第 24 条，共 36 条

标题: Fe3C-based oxygen reduction catalysts: synthesis, hollow spherical structures and applications in fuel cells

作者: Hu, Yang ; Jensen, Jens Oluf ; Zhang, Wei; Martin, Santiago; Chenitz, Regis; Pan, Chao; Xing, Wei ; Bjerrum, Niels Li, Qingfeng

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 页: 1752-1760 出版年: 2015

第 25 条，共 36 条

标题: Diagnosis of the measurement inconsistencies of carbon-based electrocatalysts for the oxygen reduction reaction in alkaline media

作者: Shin, Dongyoon ; Jeong, Beomgyun; Choun, Myounghoon ; Ocon, Joey D. ; Lee, Jaeyoung

来源出版物: RSC ADVANCES 卷: 5 页: 1571-1580 出版年: 2015

第 26 条，共 36 条

标题: Fe-N Decorated Hybrids of CNTs Grown on Hierarchically Porous Carbon for High-Performance Oxygen Reduction

作者: Liang, Ji; Zhou, Rui Feng; Chen, Xue Min; Tang, You Hong; Qiao, Shi Zhang

来源出版物: ADVANCED MATERIALS 卷: 26 页: 6074-6079 出版年: SEP 17 2014

第 27 条，共 36 条

标题: Electrocatalytic oxygen evolution reaction at a FeNi composite on a carbon nanofiber matrix in alkaline media

作者: An, Xianghua ; Shin, Dongyoon ; Ocon, Joey D.; Lee, Jae Kwang ; Son, Young-il ; Lee, Jaeyoung

来源出版物: CHINESE JOURNAL OF CATALYSIS 卷: 35 页: 891-895 出版年: JUN 2014

第 28 条，共 36 条

标题: Nanostructured Metal/Carbon Composites from Heterobimetallic Block Copolymers with Controlled Magnetic Properties

作者: Zhang, Jiuyang ; Yan, Yi; Chen, Jihua ; Chance, W. Michael ; Hayat, Jeffery; Gai, Zheng ; Tang, Chuanbing

来源出版物: CHEMISTRY OF MATERIALS 卷: 26 页: 3185-3190 出版年: MAY 27 2014

第 29 条，共 36 条

标题: Highly Efficient Non-Precious Metal Electrocatalysts Prepared from One-Pot Synthesized Zeolitic Imidazolate Frameworks

作者: Zhao, Dan ; Shui, Jiang-Lan; Grabstanowicz, Lauren R. ; Chen, Chen; Commet, Sean M.; Xu, Tao; Lu, Jun ; Liu, Di-Jia

来源出版物: ADVANCED MATERIALS 卷: 26 页: 1093-1097 出版年: FEB 2014

第 30 条，共 36 条

标题: PEMFC Contamination - Fundamentals and Outlook

作者: St-Pierre, J. ; Angelo, M.; Bethune, K. ; Ge, J.; Higgins, S.; Reshetenko, T. ; Virji, M. ; Zhai, Y.

来源出版物: STATE-OF-THE-ART TUTORIAL ON DURABILITY IN LOW TEMPERATURE FUEL CELLS 卷: 61 页: 1-14 出版年: 2014

第 31 条，共 36 条

标题: P-modified and carbon shell coated Co nanoparticles for efficient alkaline oxygen reduction catalysis

作者: Ryu, Jaeyune ; Jung, Namgee ; Lim, Dong-Hee ; Shin, Dong Yun ; Park, Sae Hume; Ham, Ham, Hyung Chul; Jang, Jong Hyun; Kim, Hyoung-Juhn; Yoo, Sung Jong

来源出版物: CHEMICAL COMMUNICATIONS 卷: 50 页: 15940-15943 出版年: 2014

第 32 条，共 36 条

标题: Design of Functional Nanostructured Carbons for Advanced Heterogeneous Catalysts: A Review

作者: Hao, Guang-Ping; Oschatz, Martin ; Nickel, Winfried; Adam, Marion ; Kaskel, Stefan

来源出版物: CURRENT ORGANIC CHEMISTRY 卷: 18 页: 1262-1279 出版年: 2014

第 33 条，共 36 条

标题: The influence of a fibrous carbon envelope on the formation of CoFe nanoparticles for durable electrocatalytic oxygen evolution

作者: Jeong, Beomgyun ; Shin, Dongyoon; Lee, Jae Kwang; Kim, Dae Han ; Kim, Young Dok ; Lee, Lee, Jaeyoung

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 16 页: 13807-13813 出版年: 2014

第 34 条，共 36 条

标题: The molecular and magnetic structure of carbon-enclosed and partially covered Fe-55 particles

作者: Taubert, Stefan ; Laasonen, Kari

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 16 页: 3648-3660 出版年: 2014

第 35 条，共 36 条

标题: Nitrogen-doped graphene/carbon nanotube self-assembly for efficient oxygen reduction reaction in acid media

作者: Choi, Chang Hyuck ; Chung, Chung, Min Wook ; Kwon, Han Chang ; Chung, Jae Hoon ; Woo, Seong Ihl

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 144 页: 760-766 出版年: 2014

第 36 条，共 36 条

标题: A Highly Active and Support-Free Oxygen Reduction Catalyst Prepared from Ultrahigh-Surface-Area Porous Polyporphyrin

作者: Yuan, Shengwen; Shui, Jiang-Lan; Grabstanowicz, Lauren ; Chen, Chen; Commet, Sean ; Reprogle, Briana ; Xu, Tao; Yu, Luping ; Liu, Di-Jia

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 52 页: 8349-8353 出版年: AUG 5 2013

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**二、引用论文第一产权单位为国内机构**

第 1 条，共 97 条

标题: Structure-activity relationship in high-performance iron-based electrocatalysts for oxygen reduction reaction

作者: Song Ping;  Wang, Ying;  Pan, Jing;  Xu, Weilin;  Zhuang, Lin

来源出版物: JOURNAL OF POWER SOURCES 卷: 300 页: 279-284 出版年: DEC 30 2015

第 2 条，共 97 条

标题: Nitrogen and Fluorine co-doped carbon catalyst with high oxygen reduction performance, prepared by pyrolyzing a mixture of melamine and PTFE

作者: Peng, Hongliang;  Liu, Fangfang;  Qiao, Xiaochang; Xiong, Ziang; Li, Xiuhua; Shu, Ting; Liao, Shijun

来源出版物: ELECTROCHIMICA ACTA 卷: 182 页: 963-970 出版年: NOV 10 2015

第 3 条，共 97 条

标题: Co-N-C Catalyst for C-C Coupling Reactions: On the Catalytic Performance and Active Sites

作者: Zhang, Leilei;  Wang, Aiqin;  Wang, Wentao;  Huang, Yanqiang;  Liu, Xiaoyan;  Miao, Shu;  Liu, Jingyue;  Zhang, Tao

来源出版物: ACS Catalysis 卷: 5 页: 6563-6572 出版年: NOV 2015

第 4 条，共 97 条

标题: The Effect of Doping and Confinement on the Adsorption of Pt on CNTs upon Be, B, N and O Doping: A Theoretical Study

作者: Zhang, Guohua;  Xie, Weiyu;  Chen, Yun;  Liu, Fang;  Chen, Chuntian

来源出版物: JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS 卷: 25 页: 1502-1510 出版年: NOV 2015

第 5 条，共 97 条

标题: N-doped carbon@Ni-Al2O3 nanosheet array@graphene oxide composite as an electrocatalyst for hydrogen evolution reaction in alkaline medium

作者: Wang, Juan;  Qiu, Tian;  Chen, Xu;  Lu, Yanluo;  Yang, Wensheng

来源出版物: JOURNAL OF POWER SOURCES 卷: 293 页: 178-186 出版年: OCT 20 2015

第 6 条，共 97 条

标题: Iron Carbide Nanoparticles Encapsulated in Mesoporous Fe-N-Doped Graphene-Like Carbon Hybrids as Efficient Bifunctional Oxygen Electrocatalysts

作者: Jiang, Hongliang;  Yao, Yifan;  Zhu, Yihua;  Liu, Yanyan;  Su, Yunhe;  Yang, Xiaoling;  Li, Chunzhong

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 页: 21511-21520 出版年: SEP 30 2015

第 7 条，共 97 条

标题: Ultrathin Wrinkled N-Doped Carbon Nanotubes for Noble-Metal Loading and Oxygen Reduction Reaction

作者: Liu, Jiehua;  Shen, Anli;  Wei, Xiangfeng;  Zhou, Kuan;  Chen, Wei;  Chen, Fang;  Xu, Jiaqi;  Wang, Shuangyin;  Dai, Liming

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 页: 20507-20512 出版年: SEP 23 2015

第 8 条，共 97 条

标题: Controllable Growth of MoS2 on Au Foils and Its Application in Hydrogen Evolution

作者: Shi Jianping ; Ma Donglin ; Zhang Yanfeng; Liu Zhongfan

来源出版物: ACTA CHIMICA SINICA 卷: 73 页: 877-885 出版年: SEP 15 2015

第 9 条，共 97 条

标题: Recycling the biowaste to produce nitrogen and sulfur self-doped porous carbon as an efficient catalyst for oxygen reduction reaction

作者: Gao, Shuyan; Li, Lingyu ; Geng, Keran ; Wei, Xianjun ; Zhang, Shuxia

来源出版物: NANO ENERGY 卷: 16 页: 408-418 出版年: SEP 2015

第 10 条，共 97 条

标题: Recent Progress on Fe/N/C Electrocatalysts for the Oxygen Reduction Reaction in Fuel Cells

作者: Liu, Jing ; Li, Li, Erling; Ruan, Mingbo ; Song, Ping; Xu, Weilin

来源出版物: CATALYSTS 卷: 5 页: 1167-1192 出版年: SEP 2015

第 11 条，共 97 条

标题: In situ synthesis of nickel carbide-promoted nickel/carbon nanofibers nanocomposite catalysts for catalytic applications

作者: Kang, Jing ; Han, Ruirui ; Wang, Jia ; Yang, Lan ; Fan, Guoli ; Li, Feng

来源出版物: CHEMICAL ENGINEERING JOURNAL 卷: 275 页: 36-44 出版年: SEP 1 2015

第 12 条，共 97 条

标题: 167.75-nm vacuum-ultraviolet ps laser by eighth-harmonic generation of a 1342-nm Nd: YVO4 amplifier in KBBF

作者: Dai, Shi-Bo ; Zong, Nan ; Yang, Feng; Zhang, Shen-Jin ; Wang, Zhi-Min ; Zhang, Feng-Feng ; Tu, Wei ; Shang, Lin-Qiao ; Liu, Li-Juan; Wang, Xiao-Yang ; Zhang, Jing-Yuan; Cui, Da-Fu; Peng, Qin-Jun; Li, Ru-Kang ; Chen, Chuang-Tian ; Xu, Zu-Yan

来源出版物: OPTICS LETTERS 卷: 40 页: 3268-3271 出版年: JUL 15 2015

第 13 条，共 97 条

标题: Nitrogen doped carbon nanotubes with encapsulated ferric carbide as excellent electrocatalyst for oxygen reduction reaction in acid and alkaline media

作者: Zhong, Guoyu ; Wang, Hongjuan ; Yu, Hao ; Peng, Feng

来源出版物: JOURNAL OF POWER SOURCES 卷: 286 页: 495-503 出版年: JUL 15 2015

第 14 条，共 97 条

标题: Microwave-Assisted Synthesis of Co-Coordinated Hollow Mesoporous Carbon Cubes for Oxygen Reduction Reactions

作者: Chen, Lisong ; Cui, Xiangzhi; Wang, Min; Du, Yanyan ; Zhang, Xiaohua ; Wan, Gang; Zhang, Linlin ; Cui, Fangming ; Wei, Chenyang; Shi, Jianlin

来源出版物: LANGMUIR 卷: 31 页: 7644-7651 出版年: JUL 14 2015

第 15 条，共 97 条

标题: Iron Carbide Nanoparticles Encapsulated in Mesoporous Fe-N-Doped Carbon Nanofibers for Efficient Electrocatalysis

作者: Wu, Zhen-Yu; Xu, Xing-Xing; Hu, Bi-Cheng; Liang, Hai-Wei; Lin, Yue ; Chen, Li-Feng ; Yu, Shu-Hong

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 页: 8179-8183 出版年: JUL 6 2015

第 16 条，共 97 条

标题: Synergistic Effect of Nitrogen in Cobalt Nitride and Nitrogen-Doped Hollow Carbon Spheres for the Oxygen Reduction Reaction

作者: Zhong, Xing; Liu, Lin; Jiang, Yu ; Wang, Xinde; Wang, Lei ; Zhuang, Guilin; Li, Xiaonian ; Mei, Donghai; Wang, Jian-guo; Su, Dang Sheng

来源出版物: CHEMCATCHEM 卷: 7 页: 1826-1832 出版年: JUN 15 2015

第 17 条，共 97 条

标题: Confining Iron Carbide Nanocrystals inside CNx@CNT toward an Efficient Electrocatalyst for Oxygen Reduction Reaction

作者: Zhang, Yun ; Jiang, Wen-Jie ; Guo, Lin ; Zhang, Hu, Jin-Song ; Wei, Zidong ; Wan, Li-Jun

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 页: 11508-11515 出版年: JUN 3 2015

第 18 条，共 97 条

标题: PtSn nanoparticles supported on iron nanoparticles wrapped inside nitrogen-doped carbon for ethanol oxidation

作者: Wang, Hui ; Zhao, Qiuping; Ma, Qin

来源出版物: IONICS 卷: 21 页: 1703-1709 出版年: JUN 2015

第 19 条，共 97 条

标题: A Co-N-doped carbonized egg white as a high-performance, non-precious metal, electrocatalyst for oxygen reduction

作者: Wang, Hui; Zhang, Zheng ; Yang, Yixin; Wang, Keliang ; Ji, Shan; Key, Julian ; Ma, Yuanyuan; Wang, Rongfang

来源出版物: JOURNAL OF SOLID STATE ELECTROCHEMISTRY 卷: 19 页: 1727-1733 出版年: JUN 2015

第 20 条，共 97 条

标题: Recent progress on core-shell nanocatalysts

作者: Sun, Qiang; Zhang, Xiang-Qian; Wang, Yang; Lu, An-Hui

来源出版物: CHINESE JOURNAL OF CATALYSIS 卷: 36 页: 683-691 出版年: MAY 2015

第 21 条，共 97 条

标题: Three-Dimensional Nitrogen-Doped Graphene/MnO Nanoparticle Hybrids as a High-Performance Catalyst for Oxygen Reduction Reaction

作者: Chen, Ruwen; Yan, Jing ; Liu, Yang; Li, Jinghong

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 119 页: 8032-8037 出版年: APR 16 2015

第 22 条，共 97 条

标题: N-doped porous carbon nanosheets with embedded iron carbide nanoparticles for oxygen reduction reaction in acidic media

作者: Liu, You-Lin ; Xu, Xue-Yan ; Sun, Ping-Chuan ; Chen, Tie-Hong

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 页: 4531-4539 出版年: APR 13 2015

第 23 条，共 97 条

标题: Nitrogen-doped carbon nanotubes as catalysts for the oxygen reduction reaction in alkaline medium

作者: Yang, Mei; Yan, Duangguang ; Chen, Hongbiao; Gao, Yong ; Li, Huaming

来源出版物: JOURNAL OF POWER SOURCES 卷: 279 页: 28-35 出版年: APR 1 2015

第 24 条，共 97 条

标题: Sponge-like carbon containing nitrogen and iron provides a non-precious oxygen reduction catalyst

作者: Wang, Hui; Wang, Wei; Key, Julian ; Ji, Shan; Ma, Yuanyuan; Khotseng, Lindiwe ; Lv, Weizhong; Wang, Rongfang

来源出版物: JOURNAL OF SOLID STATE ELECTROCHEMISTRY 卷: 19 页: 1181-1186 出版年: APR 2015

第 25 条，共 97 条

标题: Nitrogen-doped ordered mesoporous carbon: synthesis and active sites for electrocatalysis of oxygen reduction reaction

作者: Wan, Kai ; Long, Gui-Fa ; Liu, Ming-Yao ; Du, Li ; Liang, Zhen-Xing ; Tsiakaras, Panagiotis

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 165 页: 566-571出版年: APR 2015

第 26 条，共 97 条

标题: N-Doped Carbon-Wrapped Cobalt Nanoparticles on N-Doped Graphene Nanosheets for High-Efficiency Hydrogen Production

作者: Zhou, Weijia; Zhou, Jian; Zhou, Yucheng; Lu, Jia ; Zhou, Kai ; Yang, Linjing ; Tang, Zhenghua ; Li, Ligui ; Chen, Shaowei

来源出版物: CHEMISTRY OF MATERIALS 卷: 27 页: 2026-2032出版年: MAR 24 2015

第 27 条，共 97 条

标题: Bimetallic MCo (M = Cu, Fe, Ni, and Mn) nanoparticles doped-carbon nanofibers synthetized by electrospinning for nonenzymatic glucose detection

作者: Li, Mian; Liu, Liu, Lianbao; Xiong, Yueping; Liu, Xiaotian ; Nsabimana, Anaclet; Bo, Xiangjie ; Guo, Liping

来源出版物: SENSORS AND ACTUATORS B-CHEMICAL 卷: 207 页: 614-622出版年: FEB 2015

第 28 条，共 97 条

标题: Anchoring Cobalt Nanocrystals through the Plane of Graphene: Highly Integrated Electrocatalyst for Oxygen Reduction Reaction

作者: Lv, Li-Bing ; Ye, Tian-Nan ; Gong, Ling-Hong; Wang, Kai-Xue ; Su, Juan ; Li, Xin-Hao ; Chen, Chen, Jie-Sheng

来源出版物: CHEMISTRY OF MATERIALS 卷: 27 页: 544-549出版年: JAN 27 2015

第 29 条，共 97 条

标题: Dual-doped carbon composite for efficient oxygen reduction via electrospinning and incipient impregnation

作者: Yang, Wenxiu ; Zhang, Yingqiu ; Liu, Changyu ; Jia, Jianbo

来源出版物: JOURNAL OF POWER SOURCES 卷: 274 页: 595-603出版年: JAN 15 2015

第 30 条，共 97 条

标题: Pd nano-particles (NPs) confined in titanate nanotubes (TNTs) for hydrogenation of cinnamaldehyde

作者: Yang, Xu; Wu, Wu, Liangpeng; Ma, Longlong ; Li, Xinjun ; Wang, Tiejun; Liao, Shijun

来源出版物: CATALYSIS COMMUNICATIONS 卷: 59 页: 184-188出版年: JAN 10 2015

第 31 条，共 97 条

标题: Electrochemical Determination of Glucose in Human Serum Utilizing a Novel Nanocomposite Composed of Copper Nanoparticles in a Hollow Carbon Shell

作者: Lu, Hai-Ting; Cao, Xin-Hua ; Yang, Zi-Juan ; Chen, Sen ; Fan, Yang

来源出版物: ANALYTICAL LETTERS 卷: 48 页: 137-146出版年: JAN 2 2015

第 32 条，共 97 条

标题: Review-Recent Progress in Electrocatalysts for Oxygen Reduction Suitable for Alkaline Anion Exchange Membrane Fuel Cells

作者: He, Qinggang; Cairns, Elton J.

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY 卷: 162 页: F1504-F1539出版年: 2015

第 33 条，共 97 条

标题: CoxC encased in carbon nanotubes: an efficient oxygen reduction catalyst under both acidic and alkaline conditions

作者: Chen, Lisong ; Cui, Xiangzhi ; Wang, Qingsong ; Zhang, Xiaohua ; Wan, Gang ; Cui, Fangming ; Wei, Chenyang; Shi, Jianlin

来源出版物: DALTON TRANSACTIONS 卷: 44 页: 20708-20713出版年: 2015

第 34 条，共 97 条

标题: An ultra high performance multi-element doped mesoporous carbon catalyst derived from poly(4-vinylpyridine)

作者: You, Chenghang; Dang, Dai; Qiao, Xiaochang; Wang, Guanghua ; Fan, Wenjun ; Chen, Rong ; Li, Yingwei ; Li, Xiuhua ; Liao, Shijun

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 页: 23512-23519出版年: 2015

第 35 条，共 97 条

标题: Oxygen reduction electrocatalysts based on spatially confined cobalt monoxide nanocrystals on holey N-doped carbon nanowires: the enlarged interfacial area for performance improvement

作者: Xu, Jiaoxing ; Yu, Qiangmin ; Wu, Chuxin ; Guan, Lunhui

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 页: 21647-21654出版年: 2015

第 36 条，共 97 条

标题: Nitrogen-doped bamboo-like carbon nanotubes: promising anode materials for sodium-ion batteries

作者: Li, Dongdong ; Zhang, Lei ; Chen, Hongbin; Ding, Liang-xin ; Wang, Suqing; Wang, Haihui

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 页: 16045-16048出版年: 2015

第 37 条，共 97 条

标题: Residual metals present in "metal-free" N-doped carbons

作者: Jin, Xiuyan; Zhang, Guoxin ; Hao, Yongchao; Chang, Zheng; Sun, Xiaoming

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 页: 15585-15587出版年: 2015

第 38 条，共 97 条

标题: Binary transition metal nitrides with enhanced activity and durability for the oxygen reduction reaction

作者: Tian, Xinlong; Luo, Junming; Nan, Haoxiong; Fu, Zhiyong ; Zeng, Jianhuang ; Liao, Shijun

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 页: 16801-16809出版年: 2015

第 39 条，共 97 条

标题: (Fe,Co)@nitrogen-doped graphitic carbon nanocubes derived from polydopamine-encapsulated metal-organic frameworks as a highly stable and selective non-precious oxygen reduction electrocatalyst

作者: Xi, Jiangbo ; Xia, Yating; Xu, Yangyang ; Xiao, Junwu; Wang, Shuai

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 页: 10479-10482出版年: 2015

第 40 条，共 97 条

标题: Unification of catalytic oxygen reduction and hydrogen evolution reactions: highly dispersive Co nanoparticles encapsulated inside Co and nitrogen co-doped carbon

作者: Wang, Y.; Nie, Y. ; Ding, W.; Chen, S. G.; Xiong, K. ; Qi, X. Q.; Zhang, Y. ; Wang, J. ; Wei, Z. D.

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 页: 8942-8945出版年: 2015

第 41 条，共 97 条

标题: Nitrogen-doped carbon nanotubes with metal nanoparticles as counter electrode materials for dye-sensitized solar cells

作者: Xing, Yedi; Zheng, Xiaojia ; Wu, Yihui; Li, Mingrun; Zhang, Wen-Hua; Li, Can

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 页: 8146-8149出版年: 2015

第 42 条，共 97 条

标题: Recent advancements in Pt and Pt-free catalysts for oxygen reduction reaction

作者: Nie, Yao ; Li, Li; Wei, Zidong

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 44 页: 2168-2201出版年: 2015

第 43 条，共 97 条

标题: Cow dung-derived nitrogen-doped carbon as a cost effective, high activity, oxygen reduction electrocatalyst

作者: Zhang, Zheng ; Li, Hao; Yang, Yixin ; Key, Julian; Ji, Shan ; Ma, Yuanyuan ; Wang, Hui ; Wang, Rongfang

来源出版物: RSC ADVANCES卷: 5 页: 27112-27119出版年: 2015

第 44 条，共 97 条

标题: A metal-organic framework route to in situ encapsulation of Co@Co3O4@C core@bishell nanoparticles into a highly ordered porous carbon matrix for oxygen reduction

作者: Xia, Wei ; Zou, Ruqiang ; An, Li ; Xia, Dingguo; Guo, Shaojun

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE卷: 8 页: 568-576出版年: 2015

第 45 条，共 97 条

标题: Fog-like fluffy structured N-doped carbon with a superior oxygen reduction reaction performance to a commercial Pt/C catalyst

作者: You, Chenghang; Zen, Xiaoyuan ; Qiao, Xiaochang ; Liu, Fangfang ; Shu, Ting ; Du, Li ; Zeng, Jianhuang ; Liao, Shijun

来源出版物: NANOSCALE卷: 7 页: 3780-3785出版年: 2015

第 46 条，共 97 条

标题: Nitrogen-doped Fe/Fe3C@graphitic layer/carbon nanotube hybrids derived from MOFs: efficient bifunctional electrocatalysts for ORR and OER

作者: Li, Ji-Sen; Li, Shun-Li ; Tang, Yu-Jia ; Han, Min; Dai, Zhi-Hui; Bao, Jian-Chun; Lan, Ya-Qian

来源出版物: CHEMICAL COMMUNICATIONS卷: 51 页: 2710-2713出版年: 2015

第 47 条，共 97 条

标题: Cheap carbon black-based high-performance electrocatalysts for oxygen reduction reaction

作者: Song, Ping ; Zhang, Yuwei; Pan, Jing) ; Zhuang, Lin ; Xu, Weilin

来源出版物: CHEMICAL COMMUNICATIONS卷: 51 页: 1972-1975出版年: 2015

第 48 条，共 97 条

标题: Synthesis of Highly Stable Graphene-Encapsulated Iron Nanoparticles for Catalytic Syngas Conversion

作者: Wang, Chao; Zhai, Peng; Zhang, Zhichao ; Zhou, Yi ; Ju, Jing; Shi, Zujin ; Ma, Ding ; Han, Ray P. S. ; Huang, Fuqiang

来源出版物: PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION卷: 32 页: 29-34出版年: JAN 2015

第 49 条，共 97 条

标题: Nitrogen-doped graphene-supported cobalt carbonitride@oxide core-shell nanoparticles as a non-noble metal electrocatalyst for an oxygen reduction reaction

作者: Wu, Yingsi ; Shi, Qianqian; Li, Yuhang ; Lai, Zhuangchai ; Yu, Hao; Wang, Hongjuan ; Peng, Feng

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 3 页: 1142-1151出版年: 2015

第 50 条，共共 97 条

标题: Platinum-Tin Nanowires Anchored on a Nitrogen-Doped Nanotube Composite Embedded with Iron/Iron Carbide Particles as an Ethanol Oxidation Electrocatalyst

作者: Wang, Hui ; Ma, Yanjiao; Lv, Weizhong ; Ji, Shan; Key, Julian; Wang, Rongfang

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY卷: 162 页: H79-H85出版年: 2015

第 51条，共 97 条

标题: Confined platinum nanoparticle in carbon nanotube: structure and oxidation

作者: Wei, Guang-Feng ; Shang, Cheng; Liu, Zhi-Pan

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS卷: 17 页: 2078-2087出版年: 2015

第 52 条，共 97 条

标题: A bioinspired approach to protectively decorate platinum-carbon for enhanced activity and durability in oxygen reduction

作者: Huang, Yiyin; Fu, Fang; Wu, Peng; Wang, Yaobing; Yao, Jiannian

来源出版物: JOURNAL OF POWER SOURCES卷: 268 页: 591-595出版年: DEC 5 2014

第 53 条，共 97 条

标题: Highly Efficient Iron Nanocatalyst Stabilized by Double-Walled Carbon Nanotubes and Mixed Metal Oxides for Degradation of Cationic and Anionic Dyes by a Fenton-like Process

作者: Li, Wei ; Sun, Tingting ; Li, Feng

来源出版物: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH卷: 53 页: 18095-18103出版年: NOV 26 2014

第 54 条，共 97 条

标题: Oxygen electrocatalysts in metal-air batteries: from aqueous to nonaqueous electrolytes

作者: Wang, Zhong-Li ; Xu, Dan ; Xu, Ji-Jing; Zhang, Xin-Bo

来源出版物: CHEMICAL SOCIETY REVIEWS卷: 43 页: 7746-7786出版年: NOV 21 2014

第 55 条，共 97 条

标题: Palladium Nanoparticles Embedded in the Inner Surfaces of Carbon Nanotubes: Synthesis, Catalytic Activity, and Sinter Resistance

作者: Liu, Hongyang; Zhang, Liyun ; Wang, Ning; Su, Dang Sheng

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 53 页: 12634-12638出版年: NOV 10 2014

第 56 条，共 97 条

标题: Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries

作者: Huang, Xin; Yu, Hong ; Tan, Huiteng; Zhu, Jixin ; Zhang, Wenyu ; Wang, Chengyuan ; Zhang, Jun ; Wang, Yuxi ; Lv, Yunbo ; Zeng, Zhi; Liu, Dayong ; Ding, Jun ; Zhang, Qichun; Srinivasan, Madhavi ; Ajayan, Pulickel M. ; Hng, Huey Hoon ; Yan, Qingyu

来源出版物: ADVANCED FUNCTIONAL MATERIALS卷: 24 页: 6516-6523出版年: NOV 5 2014

第 57条，共 97 条

标题: Controllable Synthesis and Enhanced Electrocatalysis of Iron-based Catalysts Derived From Electrospun Nanofibers

作者: Yan, Xingxu ; Gan, Lin; Lin, Yuh-Chen; Bai, Lu; Wang, Tuo; Wang, Xiangqing ; Luo, Jun ; Zhu, Jing

来源出版物: SMALL卷: 10页: 4072-4079出版年: OCT 29 2014

第 58 条，共 97 条

标题: Toward Full Exposure of "Active Sites": Nanocarbon Electrocatalyst with Surface Enriched Nitrogen for Superior Oxygen Reduction and Evolution Reactivity

作者: Tian, Gui-Li ; Zhang, Qiang ; Zhang, Bingsen; Jin, Yu-Guang; Huang, Jia-Qi; Su, Dang Sheng; Wei, Fei

来源出版物: ADVANCED FUNCTIONAL MATERIALS卷: 24页: 5956-5961出版年: OCT 15 2014

第 59 条，共 97 条

标题: Effect of Transition Metals on the Structure and Performance of the Doped Carbon Catalysts Derived From Polyaniline and Melamine for ORR Application

作者: Peng, Hongliang; Liu, Fangfang; Liu, Liu, Xiaojun; Liao, Shijun ; You, Chenghang; Tian, Xinlong; Nan, Haoxiong; Luo, Fan; Song, Huiyu; Fu, Zhiyong; Huang, Peiyan

来源出版物: ACS CATALYSIS卷: 4页: 3797-3805出版年: OCT 2014

第 60条，共 97 条

标题: Three-dimensional iron, nitrogen-doped carbon foams as efficient electrocatalysts for oxygen reduction reaction in alkaline solution

作者: Ma, Yanjiao ; Wang, Hui ; Feng, Hanqing ; Ji, Shan ; Mao, Xuefeng ; Wang, Rongfang

来源出版物: ELECTROCHIMICA ACTA卷: 142页: 317-323出版年: OCT 1 2014

第 61 条，共 97 条

标题: FeCo nanocrystals encapsulated in N-doped carbon nanospheres/thermal reduced graphene oxide hybrids: Facile synthesis, magnetic and catalytic properties

作者: Ma, Lianbo; Shen, Xiaoping; Zhu, Guoxing; Ji, Zhenyuan ; Zhou, Hu

来源出版物: CARBON卷: 77页: 255-265出版年: OCT 2014

第 62 条，共 97 条

标题: Ultra-high-performance doped carbon catalyst derived from o-phenylenediamine and the probable roles of Fe and melamine

作者: Peng, Hongliang; Hou, Sanying; Dang, Dai; Zhang, Bingqing; Liu, Fangfang; Zheng, Ruiping; Luo, Fan; Song, Huiyu; Huang, Peiyan; Liao, Shijun

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL卷: 158 页: 60-69 出版年: OCT 2014

第 63 条，共 97 条

标题: SnO2-embedded worm-like carbon nanofibers supported Pt nanoparticles for oxygen reduction reaction

作者: Jia, Jingchun; Wang, Hui; Ji, Shan ; Yang, Huijuan; Li, Xusheng ; Wang, Rongfang

来源出版物: ELECTROCHIMICA ACTA卷: 141 页: 13-19 出版年: SEP 20 2014

第 64 条，共 97 条

标题: Nitrogen Self-Doped Porous Carbon from Surplus Sludge as Metal-Free Electrocatalysts for Oxygen Reduction Reactions

作者: Zhou, Kai ; Zhou, Weijia; Liu, Xiaojun ; Wang, Yan ; Wan, Jinquan ; Chen, Shaowei

来源出版物: ACS APPLIED MATERIALS & INTERFACES卷: 6 页: 14911-14918 出版年: SEP 10 2014

第 65 条，共 97 条

标题: alpha-Fe2O3 spherical nanocrystals supported on CNTs as efficient non-noble electrocatalysts for the oxygen reduction reaction

作者: Sun, Meng; Dong, Youzhen ; Zhang, Gong ; Qu, Jiuhui ; Li, Jinghong

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 页: 13635-13640 出版年: SEP 7 2014

第 66 条，共 97 条

标题: La2O3 Doped Carbonaceous Microspheres: A Novel Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions with Ultrahigh Mass Activity

作者: Zhang, Xiaoxue; Xiao, Qingqing ; Zhang, Yuxia; Jiang, Xiong ; Yang, Zhiyu ; Xue, Yifei; Yan, Yi-Ming; Sun, Kening

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 118 页: 20229-20237 出版年: SEP 4 2014

第 67条，共 97 条

标题: Nitrogen-rich mesoporous carbon derived from melamine with high electrocatalytic performance for oxygen reduction reaction

作者: Wang, Rongfang; Zhou, Tiaobao ; Li, Hao ; Wang, Hui ; Feng, Hanging; Goh, Jonathan; Ji, Shan

来源出版物: JOURNAL OF POWER SOURCES 卷: 261 页: 238-244 出版年: SEP 1 2014

第 68 条，共 97 条

标题: CNTs@Fe-C-C core-shell nanostructures as active electrocatalyst for oxygen reduction

作者: Yao, Yi; Xiao, Hui ; Wang, Peng; Su, Panpan ; Shao, Zhigang ; Yang, Qihua

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 页: 11768-11775 出版年: AUG 14 2014

第 69 条，共 97 条

标题: Cobalt sulfide modified graphitic carbon nitride semiconductor for solar hydrogen production

作者: Zhu, Yongsheng ; Xu, Yan ; Hou, Yidong; Ding, Zhengxin ; Wang, Xinchen

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 页: 11873-11879 出版年: AUG 4 2014

第 70 条，共 97 条

标题: Synergistic Catalytic Effect of MoS2 Nanoparticles Supported on Gold Nanoparticle Films for a Highly Efficient Oxygen Reduction Reaction

作者: Wang, Tanyuan ; Zhuo, Junqiao; Chen, Ye; Du, Kuangzhou ; Papakonstantinou, Pagona ; Zhu, Zhiwei ; Shao, Yuanhua ; Li, Meixian

来源出版物: CHEMCATCHEM 卷: 6 页: 1877-1881 出版年: JUL 2014

第 71 条，共 97 条

标题: An Fe@Fe3C-inserted carbon nanotube/graphite composite support providing highly dispersed Pt nanoparticles for ethanol oxidation

作者: Wang, Rongfang ; Wang, Hui; Li, Hao ; Wang, Wei ; Key, Julian; Khotseng, Lindiwe; Ji, Shan

来源出版物: ELECTROCHIMICA ACTA 卷: 132 页: 251-257 出版年: JUN 20 2014

第 72 条，共 97 条

标题: Nitrogen-Doped Graphene/Carbon Nanotube Hybrids: In Situ Formation on Bifunctional Catalysts and Their Superior Electrocatalytic Activity for Oxygen Evolution/Reduction Reaction

作者: Tian, Gui-Li; Zhao, Meng-Qiang ; Yu, Dingshan ; Kong, Xiang-Yi; Huang, Jia-Qi; Zhang, Zhang, Qiang ; Wei, Fei

来源出版物: SMALL 卷: 10 页: 2251-2259 出版年: JUN 12 2014

第 73 条，共 97 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 74 条，共 97 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; Jiang, Lei ; Bao, Xin-He; Wan, Li-Jun ; Bai, Chun-Li

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

第 75 条，共 97 条

标题: O-2 activation on the outer surface of carbon nanotubes modified by encapsulated iron clusters

作者: Ma, Dongwei; Jia, Shuanwen; Zhao, Dongqiu ; Lu, Zhansheng ; Yang, Zongxian

来源出版物: APPLIED SURFACE SCIENCE 卷: 300 页: 91-97 出版年: MAY 1 2014

第 76 条，共 97 条

标题: Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts

作者: Hu, Yang; Jensen, Jens Oluf ; Zhang, Wei; Cleemann, Lars N. ; Xing, Wei ; Bjerrum, Niels J. ; Li, Qingfeng

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 53 页: 3675-3679 出版年: APR 2014

第 77 条，共 97 条

标题: Uniform nitrogen and sulfur co-doped carbon nanospheres as catalysts for the oxygen reduction reaction

作者: You, Chenghang; Liao, Shijun; LLi, Hualing ; Hou, Sanying ; Peng, Hongliang; Zeng, Xiaoyuan ; Liu, Fangfang; Zheng, Ruiping ; Fu, Zhiyong ; Li, Yingwei

来源出版物: CARBON 卷: 69 页: 294-301 出版年: APR 2014

第 78 条，共 97 条

标题: Synergy between isolated-Fe3O4 nanoparticles and CNx layers derived from lysine to improve the catalytic activity for oxygen reduction reaction

作者: Yang, Huijuan ; Wang, Hui ; Ji, Shan; Linkov, Vladimir ; Wang, Rongfang

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 页: 3739-3745 出版年: MAR 6 2014

第 79 条，共 97 条

标题: Controllable bulk growth of few-layer graphene/single-walled carbon nanotube hybrids containing Fe@C nanoparticles in a fluidized bed reactor

作者: Zhao, Meng-Qiang ; Peng, Hong-Jie ; Zhang, Qiang ; Huang, Jia-Qi ; Tian, Gui-Li ; Tang, Cheng ; Hu, Ling; Jiang, Hai-Rong; Cai, Hong-Ying ; Yuan, Hong-Xia; Wei, Fei

来源出版物: CARBON 卷: 67 页: 554-563 出版年: FEB 2014

第 80 条，共 97 条

标题: From filter paper to porous carbon composite membrane oxygen reduction catalyst

作者: Yang, Wenxiu; Zhai, Yanling ; Yue, Xiaoyu ; Wang, Yizhe; Jia, Jianbo

来源出版物: CHEMICAL COMMUNICATIONS 卷: 50 页: 11151-11153 出版年: 2014

第 81 条，共 97 条

标题: Designing nitrogen-enriched echinus-like carbon capsules for highly efficient oxygen reduction reaction and lithium ion storage

作者: Hu, Chuangang ; Wang, Lixia; Zhao, Yang ; YYe, Minhui ; Chen, Qing; Feng, Zhihai ; Qu, Liangti

来源出版物: NANOSCALE 卷: 6 页: 8002-8009 出版年: 2014

第82 条，共 97 条

标题: Mesoporous carbon material co-doped with nitrogen and iron (Fe-N-C): high-performance cathode catalyst for oxygen reduction reaction in alkaline electrolyte

作者: Yan, Xiang-Hui ; Xu, Bo-Qing

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 页: 8617-8622 出版年: 2014

第 83 条，共 97 条

标题: Pt nanoparticles entrapped in titanate nanotubes (TNT) for phenol hydrogenation: the confinement effect of TNT

作者: Yang, Xu ; Yu, Xiang; Long, Lizhen; Wang, Tiejun; Ma, Longlong ; Wu, Liangpeng; Bai, Yu ; Li, Xinjun; Liao, Shijun

来源出版物: CHEMICAL COMMUNICATIONS卷: 50 页: 2794-2796 出版年: 2014

第 84 条，共 97 条

标题: Highly dispersed iron oxides on mesoporous carbon for selective oxidation of benzyl alcohol with molecular oxygen

作者: Geng, Longlong ; Zhang, Xiuyan; Zhang, Wenxiang; Jia, Mingjun; Liu, Gang

来源出版物: CHEMICAL COMMUNICATIONS卷: 50 页: 2965-2967 出版年: 2014

第 85 条，共 97 条

标题: Cellulose generated-microporous carbon nanosheets with nitrogen doping

作者: Shen, Wenzhong ; Hu, Tuoping; Fan, Weibin

来源出版物: RSC ADVANCES卷: 4 页: 9126-9132 出版年: 2014

第 86条，共 97 条

标题: Ru nanoparticles confined in carbon nanotubes: supercritical CO2 assisted preparation and improved catalytic performances in hydrogenation of D-glucose

作者: Xu, Sankui; Zhang, Peng ; Li, Hongbian ; Wei, Huijuan; Li, Limin ; Li, Baojun; Wang, Xiangyu

来源出版物: RSC ADVANCES卷: 4 页: 7079-7083 出版年: 2014

第 87 条，共 97 条

标题: Nitrogen-doped hollow carbon hemispheres as efficient metal-free electrocatalysts for oxygen reduction reaction in alkaline medium

作者: Han, Chuanlong; Wang, Jing ; Gong, Yutong; Xu, Xuan ; Li, Haoran ; Wang, Yong

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 2 页: 605-609 出版年: 2014

第 88 条，共 97 条

标题: Fe2O3 Nanoparticles Wrapped in Multi-walled Carbon Nanotubes With Enhanced Lithium Storage Capability

作者: Yan, Nan ; Zhou, Xuhui; Li, Yan ; Wang, Fang ; Zhong, Hao ; Wang, Hui; Chen, Qianwang

来源出版物: SCIENTIFIC REPORTS卷: 3 页: 3392 出版年: DEC 2 2013

第 89 条，共 97 条

标题: High-Efficiency Encapsulation of Pt Nanoparticles into the Channel of Carbon Nanotubes as an Enhanced Electrocatalyst for Methanol Oxidation

作者: Zhang, Jianan ; Guo, Shaojun ; Wei, Junyi ; Xu, Qun ; Yan, Wenfu; Fu, Jianwei; Wang, Shoupei; Cao, Mingjing ; Chen, Zhimin

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL卷: 19 页: 16087-16092 出版年: NOV 18 2013

第 90 条，共 97 条

标题: Advanced Oxygen Reduction Electrocatalyst Based on Nitrogen-Doped Graphene Derived from Edible Sugar and Urea

作者: Pan, Fuping ; Jin, Jutao ; Fu, Xiaogang ; Liu, Qiao; Zhang, Junyan

来源出版物: CS APPLIED MATERIALS & INTERFACES卷: 5 页: 11108-11114 出版年: NOV 13 2013

第 91 条，共 97 条

标题: Ordered Hierarchical Mesoporous/Macroporous Carbon: A High-Performance Catalyst for Rechargeable Li-O-2 Batteries

作者: Guo, Ziyang ; Zhou, Dandan ; Dong, XiaoLi ; Qiu, Zijie ; Wang, Yonggang ; Xia, Yongyao

来源出版物: ADVANCED MATERIALS卷: 25 页: 5668-5672 出版年: OCT 2013

第 92 条，共 97 条

标题: In Situ Monitoring the Role of Working Metal Catalyst Nanoparticles for Ultrahigh Purity Single-Walled Carbon Nanotubes

作者: Chen, Tian-Chi ; Zhao, Meng-Qiang ; Zhang, Qiang ; Tian, Gui-Li ; Huang, Jia-Qi ; Wei, Fei

来源出版物: ADVANCED FUNCTIONAL MATERIALS卷: 23 页: 5066-5073 出版年: OCT 2013

第 93 条，共 97 条

标题: Activating Ag by even more inert Au: a peculiar effect on electrocatalysis toward oxygen reduction in alkaline media

作者: Yang, Cuixia ; Huang, Bing ; Xiao, Li; Ren, Zhandong; Liu, Zilong; Lu, Juntao; Zhuang, Lin

来源出版物: CHEMICAL COMMUNICATIONS卷: 49 页: 11023-11025 出版年: 2013

第94条，共 97 条

标题: Free-standing nitrogen-doped carbon nanofiber films as highly efficient electrocatalysts for oxygen reduction

作者: Liu, Dong; Zhang, Xueping; Sun, Zaicheng ; You, Tianyan

来源出版物: NANOSCALE卷: 5 页: 9528-9531 出版年: 2013

第 95条，共 97 条

标题: Phosphorus-doped porous carbons as efficient electrocatalysts for oxygen reduction

作者: Wu, Jiao; Yang, Zhenrong; Li, Xiaowei ; Sun, Qijun ; Jin, Cha ; Strasser, Peter; Yang, Ruizhi

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 1 页: 9889-9896 出版年: 2013

第 96 条，共 97 条

标题: Biomass-derived activated carbon as high-performance non-precious electrocatalyst for oxygen reduction

作者: Wang, Keliang ; Wang, Hui; Ji, Shan; Feng, Hanqing ; Linkov, Vladimir ; Wang, Rongfang

来源出版物: RSC ADVANCES卷: 3 页: 12039-12042 出版年: 2013

第 97 条，共 97 条

标题: Self-deposition of Pt nanocrystals on Mn3O4 coated carbon nanotubes for enhanced oxygen reduction electrocatalysis

作者: Xiao, Yu-Ping; Jiang, Wen-Jie ; Wan, Shuo ; Zhang, Xing; Hu, Jin-Song ; Wei, Zi-Dong; Wan, Li-Jun

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A卷: 1 页: 7463-7468 出版年: 2013

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