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** | **Toward N-Doped Graphene via Solvothermal Synthesis** | | | | |
| **作者（英文）** | **Deng, Dehui; Pan, Xiulian; Yu, Liang; Cui, Yi; Jiang, Yeping; Qi, Jing; Li, Weixue; Fu, Qiang; Ma, Xucun; Xue, Qikun; Sun, Gongquan;**  **Bao, Xinhe** | | | | |
| **作者（中文）** | **邓德会，潘秀莲，于良，崔义，蒋烨平，齐静，李微雪，傅强，**  **马旭村，薛其坤，孙公权，包信和** | | | | |
| **期刊名称** | **CHEMISTRY OF MATERIALS** | | | | |
| **发表日期** | **2011.1.26** | **卷** | **23** | **起止页码** | **1188 – 1193** |
| **总引用次数** | **296** | | | **他引次数** | **282** |
| **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 138 条

标题: Heteroatom doped graphene in photocatalysis: A review

作者: Putri, Lutfi Kurnianditia; Ong, Wee-Jun; Chang, Wei Sea; Chai, Siang-Piao

来源出版物: [APPLIED SURFACE SCIENCE](javascript:;)  卷: 358   页: 2-14   子辑: A   出版年: DEC 15 2015

第 2 条，共 138 条

标题: Highly Elastic and Conductive N-Doped Monolithic Graphene Aerogels for Multifunctional Applications

作者: Moon, In Kyu; Yoon, Seonno; Chun, Kyoung-Yong; Oh, Jungwoo

来源出版物: [ADVANCED FUNCTIONAL MATERIALS](javascript:;)  卷: 25   期: 45   页: 6976-6984   出版年: DEC 2 2015

第 3 条，共 138 条

标题: [Synthesis and characterization of Nitrogen-doped & CaCO3-decorated reduced graphene oxide nanocomposite for electrochemical supercapacitors](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=6)

作者: Ghouri, Zafar Khan; Barakat, Nasser A. M.; Alam, Al-Mahmnur; Alsoufi, Mohammad S.; Bawazeer, Tahani M.; Mohamed, Ahmed F.; Kim, Hak Yong

来源出版物: [ELECTROCHIMICA ACTA](javascript:;)  卷: 184   页: 193-202   出版年: DEC 1 2015

第 4 条，共 138 条

标题: [Ultrasensitive gas detection of large-area boron-doped graphene](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=8)

作者: Lv, Ruitao; Chen, Gugang; Li, Qing; McCreary, Amber; Botello-Mendez, Andres; Morozov, S. V.; Liang, Liangbo; Declerck, Xavier; Perea-Lopez, Nestor; Culleni, David A.; Feng, Simin; Elias, Ana Laura; Cruz-Silva, Rodolfo; Fujisawa, Kazunori; Endo, Morinobu; Kang, Feiyu; Charlier, Jean-Christophe; Meunier, Vincent; Pan, Minghu; Harutyunyan, Avetik R.; Novoselov, Konstantin S.; Terrones, Mauricio

来源出版物: [PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA](javascript:;)  卷:112   期: 47   页: 14527-14532   出版年: NOV 24 2015

第 5 条，共 138 条

标题: [Nitrogen-Doped Carbon Nanotube Arrays for High-Efficiency Electrochemical Reduction of CO2: On the Understanding of Defects, Defect Density, and Selectivity](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=9)

作者: Sharma, Pranav P.; Wu, Jingjie; Yadav, Ram Manohar; Liu, Mingjie; Wright, Christopher J.; Tiwary, Chandra Sekhar; Yakobson, Boris I.; Lou, Jun; Ajayan, Pulickel M.; Zhou, Xiao-Dong

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION卷: 54 页: 13701-13705  出版年: NOV 9 2015

第 6 条，共 138 条

标题: [Nitrogen doped epitaxial graphene on 4H-SiC(0001) - Experimental and theoretical study](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=11)

作者: Dabrowski, P.; Rogala, M.; Wlasny, I.; Klusek, Z.; Kopciuszynski, M.; Jalochowski, M.; Strupinski, W.; Baranowski, J. M.

来源出版物: [CARBON](javascript:;)  卷: 94   页: 214-223   出版年: NOV 2015

第 7 条，共 138 条

标题: [Defect-engineered mesoporous ternary nanoarchitecture of zinc-cobalt-oxide/nitrogen-doped graphene as anode material in lithium ion batteries](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=12)

作者: Sahoo, Sumanta; Bae, Seok-Hu; Lee, Yun-Sung; Lee, Jung-Min; Ahn, Joon-Mo; Kim, Chun-Gon; Oh, Il-Kwon

来源出版物: [CARBON](javascript:;)  卷: 94   页: 455-463   出版年: NOV 2015

第 8 条，共138 条

标题: [Metal-free, carbon-based catalysts for oxygen reduction reactions](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=18)

作者: Wu, Zhiyi; Iqbal, Zafar; Wang, Xianqin

来源出版物: FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING   卷: 9   期: 3   页: 280-294   出版年: SEP 2015

第 9 条，共 138 条

标题: [Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=19)

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

来源出版物: [ACS CATALYSIS](javascript:;)  卷: 5   期: 9   页: 5207-5234   出版年: SEP 2015

第 10 条，共 138 条

标题: [Effect of nitrogen doping on the structural and the optical variations of graphene quantum dots by using hydrazine treatment](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=21)

作者: Kim, Sung; Shin, Dong Hee; Kim, Chang Oh; Kang, Soo Seok; Lee, Kyeong Won; Kim, Jungkil; Choi, Suk-Ho; Hwang, Sung Won

来源出版物: [JOURNAL OF THE KOREAN PHYSICAL SOCIETY](javascript:;)  卷: 67  页: 746-751   出版年: AUG 2015

第 11 条，共 138 条

标题: [Glucosamine-Anchored Graphene Oxide Nanosheets: Fabrication, Ultraviolet Irradiation, and Electrochemical Properties](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=24)

作者: Veerapandian, Murugan; Levaray, Nicolas; Lee, Min-Ho; Giasson, Suzanne; Zhu, X. X.

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 27页: 14552-14556 出版年: JUL 15 2015

第 12 条，共 138 条

标题: Microwave Enabled One-Pot, One-Step Fabrication and Nitrogen Doping of Holey Graphene Oxide for Catalytic Applications

作者: Patel, Mehulkumar; Feng, Wenchun; Savaram, Keerthi; Khoshi, M. Reza; Huang, Ruiming; Sun, Jing; Rabie, Emann; Flach, Carol; Mendelsohn, Richard; Garfunkel, Eric; He, Huixin

来源出版物: SMALL 卷: 11 期: 27 特刊: SI 页: 3358-3368 出版年: JUL 15 2015

第 13 条，共 138 条

标题: Sulfur and Nitrogen Co-Doped Graphene for Metal-Free Catalytic Oxidation Reactions

作者: Duan, Xiaoguang; O'Donnell, Kane; Sun, Hongqi; Wang, Yuxian; Wang, Shaobin

来源出版物: SMALL 卷: 11 期: 25 页: 3036-3044 出版年: JUL 1 2015

第 41 条，共 138 条

标题: Carbon Nitrogen Nanotubes as Efficient Bifunctional Electrocatalysts for Oxygen Reduction and Evolution Reactions

作者: Yadav, Ram Manohar; Wu, Jingjie; Kochandra, Raji; Ma, Lulu; Tiwary, Chandra Sekhar; Ge, Liehui; Ye, Gonglan; Vajtai, Robert; Lou, Jun; Ajayan, Pulickel M.

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 22 页: 11991-12000 出版年: JUN 10 2015

第 15 条，共 138 条

标题: Metal-Free Catalysts for Oxygen Reduction Reaction

作者: Dai, Liming; Xue, Yuhua; Qu, Liangti; Choi, Hyun-Jung; Baek, Jong-Beom

来源出版物: CHEMICAL REVIEWS 卷: 115 期: 11 页: 4823-4892 出版年: JUN 10 2015

第 16 条，共 138 条

标题: Selective Nitrogen Functionalization of Graphene by Bucherer-Type Reaction

作者: Chua, Chun Kiang; Sofer, Zdenek; Luxa, Jan; Pumera, Martin

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL 卷: 21 期: 22 页: 8090-8095 出版年: MAY 26 2015

第 17 条，共 138 条

标题: Synthesis of Nitrogen Doped Multilayered Graphene Flakes: Selective Non-enzymatic Electrochemical Determination of Dopamine and Uric Acid in presence of Ascorbic Acid

作者: Biswas, Sudip; Das, Rashmita; Chakraborty, Dipanjan; Bandhyopadhyay, Rajib; Pramanik, Panchanan

来源出版物: ELECTROANALYSIS 卷: 27 期: 5 页: 1253-1261 出版年: MAY 2015

第 18 条，共 138 条

标题: Nitrogen-doped Carbon-coated SnxOy (x=1 and y=0 and 2) Nanoparticles for Rechargeable Li-Ion Batteries

作者: Ara, Mahbuba; Chitturi, Venkateswara Rao; Salley, Steven O.; Ng, K. Y. Simon

来源出版物: ELECTROCHIMICA ACTA 卷: 161 页: 269-278 出版年: APR 10 2015

第 19 条，共 138 条

标题: Graphene-based materials: Synthesis and gas sorption, storage and separation

作者: Gadipelli, Srinivas; Guo, Zheng Xiao

来源出版物: PROGRESS IN MATERIALS SCIENCE 卷: 69 页: 1-60 出版年: APR 2015

第 20 条，共 138 条

标题: Beryllium doping graphene, graphene-nanoribbons, C-60-fullerene, and carbon nanotubes

作者: Lopez-Urias, Florentino; Terrones, Mauricio; Terrones, Humberto

来源出版物: CARBON 卷: 84 页: 317-326 出版年: APR 2015

第 21 条，共 138 条

标题: Nitrogen-Doped Graphene for Generation and Evolution of Reactive Radicals by Metal-Free Catalysis

作者: Duan, Xiaoguang; Ao, Zhimin; Sun, Hongqi; Indrawirawan, Stacey; Wang, Yuxian; Kang, Jian; Liang, Fengli; Zhu, Z. H.; Wang, Shaobin

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 7 页: 4169-4178 出版年: FEB 25 2015

第 22 条，共 138 条

标题: Controlled Synthesis of Nitrogen-Doped Graphene from a Heteroatom Polymer and Its Mechanism of Formation

作者: Mondal, Titash; Bhowmick, Anil K.; Krishnamoorti, Ramanan

来源出版物: CHEMISTRY OF MATERIALS 卷: 27 期: 3 页: 716-725 出版年: FEB 10 2015

第 23 条，共 138 条

标题: N-Doping-Induced Nonradical Reaction on Single-Walled Carbon Nanotubes for Catalytic Phenol Oxidation

作者: Duan, Xiaoguang; Sun, Hongqi; Wang, Yuxian; Kang, Jian; Wang, Shaobin

来源出版物: ACS CATALYSIS 卷: 5 期: 2 页: 553-559 出版年: FEB 2015

第 24 条，共 138 条

标题: Comparative Study of Oxygen Reduction Reaction Mechanism on Nitrogen-, Phosphorus-, and Boron-Doped Graphene Surfaces for Fuel Cell Applications

作者: del Cueto, M.; Ocon, P.; Poyato, J. M. L.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 119 期: 4 页: 2004-2009 出版年: JAN 29 2015

第 25 条，共 138 条

标题: X-ray photoelectron spectroscopy of graphitic carbon nanomaterials doped with heteroatoms

作者: Susi, Toma; Pichler, Thomas; Ayala, Paola

来源出版物: Beilstein Journal of Nanotechnology 卷: 6 页: 177-192 出版年: JAN 15 2015

第 26 条，共 138 条

标题: Synthesis of Nitrogen-Doped Mesoporous Carbon Spheres with Extra-Large Pores through Assembly of Diblock Copolymer Micelles

作者: Tang, Jing; Liu, Jian; Li, Cuiling; Li, Yunqi; Tade, Moses O.; Dai, Sheng; Yamauchi, Yusuke

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 期: 2 页: 588-593 出版年: JAN 7 2015

第 27 条，共 138 条

标题: Simultaneous reduction and nitrogen doping of graphite oxide by using electron beam irradiation

作者: Kang, M.; Lee, D. H.; Yang, J.; Kang, Y. -M.; Jung, H.

来源出版物: RSC ADVANCES 卷: 5 期: 126 页: 104502-104508 出版年: 2015

第 28 条，共 138 条

标题: Nanocomposites of nitrogen-doped graphene decorated with a palladium silver bimetallic alloy for use as a biosensor for methotrexate detection

作者: Ghadimi, Hanieh; Nasiri-Tabrizi, Bahman; Nia, Pooria Moozarm; Basirun, Wan Jefrey; Tehrani, Ramin M. A.; Lorestani, Farnaz

来源出版物: RSC ADVANCES 卷: 5 期: 120 页: 99555-99565 出版年: 2015

第 29 条，共 138 条

标题: Comparative Study of Screen-Printed Electrodes Modified with Graphene Oxides Reduced by a Constant Current

作者: Sanchez Calvo, Alberto; Botas, Cristina; Martin-Yerga, Daniel; Alvarez, Patricia; Menendez, Rosa; Costa-Garcia, Agustin

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY 卷: 162 期: 10 页: B282-B290 出版年: 2015

第 30 条，共 138 条

标题: A single-step room-temperature electrochemical synthesis of nitrogen-doped graphene nanoribbons from carbon nanotubes

作者: Jaison, M. J.; Narayanan, Tharangattu N.; Kumar, T. Prem; Pillai, Vijayamohanan K.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 35 页: 18222-18228 出版年: 2015

第 31 条，共 138 条

标题: Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction

作者: Wang, Zhijuan; Cao, Xiehong; Ping, Jianfeng; Wang, Yixian; Lin, Tingting; Huang, Xiao; Ma, Qinglang; Wang, Fuke; He, Chaobin; Zhang, Hua

来源出版物: NANOSCALE 卷: 7 期: 21 页: 9394-9398 出版年: 2015

第 32 条，共 138 条

标题: Preparation of Metal-Free Nitrogen-Doped Graphene Via Direct Electrochemical Exfoliation of Graphite in Ammonium Nitrate

作者: Gondosiswanto, Richard; Lu, Xunyu; Zhao, Chuan

来源出版物: AUSTRALIAN JOURNAL OF CHEMISTRY 卷: 68 期: 5 页: 830-835 出版年: 2015

第 33 条，共 138 条

标题: A new class of electroactive Fe- and P-functionalized graphene for oxygen reduction

作者: Razmjooei, Fatemeh; Singh, Kiran Pal; Bae, Eun Jin; Yu, Jong-Sung

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 20 页: 11031-11039 出版年: 2015

第 34条，共 138条

标题: Electronic Interaction between Nitrogen Atoms in Doped Graphene

作者: Tison, Yann; Lagoute, Jerome; Repain, Vincent; Chacon, Cyril; Girard, Yann; Rousset, Sylvie; Joucken, Frederic; Sharma, Dimpy; Henrard, Luc; Amara, Hakim; Ghedjatti, Ahmed; Ducastelle, Francois

来源出版物: NANOSCALE 卷: 7 期: 8 页: 3581-3587 出版年: 2015

第 35 条，共 138 条

标题: Single and Multiple Doping in Graphene Quantum Dots: Unraveling the Origin of Selectivity in the Oxygen Reduction Reaction

作者: Favaro, Marco; Ferrighi, Lara; Fazio, Gianluca; Colazzo, Luciano; Di Vaentin, Cristiana; Durante, Christian; Sedona, Francesco; Gennaro, Armando; Agnoli, Stefano; Granozzi, Gaetano

来源出版物: ACS CATALYSIS 卷: 5 期: 1 页: 129-144 出版年: JAN 2015

第 36 条，共138条

标题: Potential of metal-free "graphene alloy" as electrocatalysts for oxygen reduction reaction作者: Geng, Dongsheng; Ding, Ning; Hor, T. S. Andy; Liu, Zhaolin; Sun, Xueliang; Zong, Yun

来源出版物: XXXXXX 卷: XXX 页: XX-XX 出版年: FEB 15 2012

第 37 条，共 138 条

标题: A Theoretical Study of the Interaction of Hydrogen and Oxygen with Palladium or Gold Adsorbed on Pyridine-Like Nitrogen-Doped Graphene

作者: Rangel, Eduardo; Fernando Magana, Luis; Enrique Sansores, Luis

来源出版物: CHEMPHYSCHEM 卷: 15 期: 18 页: 4042-4048 出版年: DEC 15 2014

第 38条，共 138 条

标题: Atmospheric pressure route to epitaxial nitrogen-doped trilayer graphene on 4H-SiC (0001) substrate

作者: Boutchich, M.; Arezki, H.; Alamarguy, D.; Ho, K-I; Sediri, H.; Guenes, F.; Alvarez, J.; Kleider, J. P.; Lai, C. S.; Ouerghi, A.

来源出版物: APPLIED PHYSICS LETTERS 卷: 105 期: 23 文献号: 233111 出版年: DEC 8 2014

第 39 条，共138 条

标题: Double Transition-Metal Chalcogenide as a High-Performance Lithium-Ion Battery Anode Material

作者: Chen, Dongyun; Ji, Ge; Ding, Bo; Ma, Yue; Qu, Baihua; Chen, Weixiang; Lee, Jim Yang

来源出版物: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 卷: 53 期: 46 页: 17901-17908 出版年: NOV 19 2014

第 40 条，共 138 条

标题: N-8(-) Polynitrogen Stabilized on Multi-Wall Carbon Nanotubes for Oxygen-Reduction Reactions at Ambient Conditions

作者: Wu, Zhiyi; Benchafia, El Mostafa; Iqbal, Zafar; Wang, Xianqin

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 53 期: 46 特刊: SI 页: 12555-12559 出版年: NOV 10 2014

第 41条，共 138条

标题: Palladium nanoparticle decorated high nitrogen-doped graphene with high catalytic activity for Suzuki-Miyaura and Ullmann-type coupling reactions in aqueous media

作者: Movahed, Siyavash Kazemi; Dabiri, Minoo; Bazgir, Ayoob

来源出版物: APPLIED CATALYSIS A-GENERAL 卷: 488 页: 265-274 出版年: NOV 2014

第 42 条，共 138 条

标题: Achievements of DFT for the Investigation of Graphene-Related Nanostructures作者: Botello-Mendez, Andres R.; Dubois, Simon M. -M.; Lherbier, Aurelien; Charlier, Jean-Christophe

来源出版物: ACCOUNTS OF CHEMICAL RESEARCH 卷: 47 期: 11 特刊: SI 页: 3292-3300 出版年: NOV 2014

第 43 条，共 138 条

标题: Preparation of nitrogen-doped reduced graphene oxide and its use in a glassy carbon electrode for sensing 4-nitrophenol at nanomolar levels

作者: Giribabu, Krishnamoorthy; Suresh, Ranganathan; Manigandan, Ramadoss; Kumar, Sivakumar Praveen; Muthamizh, Selvamani; Munusamy, Settu; Narayanan, Vengidusamy

来源出版物: MICROCHIMICA ACTA 卷: 181 期: 15-16 页: 1863-1870 出版年: NOV 2014

第 44 条，共 138 条

标题: Effect of boron and nitrogen doping with native point defects on the vibrational properties of graphene

作者: Islam, Md. Sherajul; Ushida, Kenji; Tanaka, Satoru; Makino, Takayuki; Hashimoto, Akihiro

来源出版物: COMPUTATIONAL MATERIALS SCIENCE 卷: 94 特刊: SI 页: 35-43 出版年: NOV 2014

第 45 条，共 138 条

标题: Heteroatom-doped graphene materials: syntheses, properties and applications

作者: Wang, Xuewan; Sun, Gengzhi; Routh, Parimal; Kim, Dong-Hwan; Huang, Wei; Chen, Peng

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 43 期: 20 页: 7067-7098 出版年: OCT 21 2014

第 46 条，共138 条

标题: Polypyrrole-Derived Nitrogen and Oxygen Co-Doped Mesoporous Carbons as Efficient Metal-Free Electrocatalyst for Hydrazine Oxidation

作者: Meng, Yuying; Zou, Xiaoxin; Huang, Xiaoxi; Goswami, Anandarup; Liu, Zhongwu; Asefa, Tewodros

来源出版物: ADVANCED MATERIALS 卷: 26 期: 37 页: 6510-6516 出版年: OCT 8 2014

第 47条，共 138 条

标题: Sulfur-Graphene Nanostructured Cathodes via Ball-Milling for High-Performance LithiumSulfur Batteries

作者: Xu, Jiantie; Shui, Jianglan; Wang, Jianli; Wang, Min; Liu, Hua-Kun; Dou, Shi Xue; Jeon, In-Yup; Seo, Jeong-Min; Baek, Jong-Beom; Dai, Liming

来源出版物: ACS NANO 卷: 8 期: 10 页: 10920-10930 出版年: OCT 2014

第 48 条，共 138 条

标题: Platinum-Decorated Nitrogen-Doped Graphene Foam Electrocatalysts

作者: Liu, J.; Takeshi, D.; Sasaki, K.; Lyth, S. M.

来源出版物: FUEL CELLS 卷: 14 期: 5 特刊: SI 页: 728-734 出版年: OCT 2014

第 49 条，共 138 条

标题: Atomic Configuration of Nitrogen-Doped Single-Walled Carbon Nanotubes

作者: Arenal, Raul; March, Katia; Ewels, Chris P.; Rocquefelte, Xavier; Kociak, Mathieu; Loiseau, Annick; Stephan, Odile

来源出版物: NANO LETTERS 卷: 14 期: 10 页: 5509-5516 出版年: OCT 2014

第 50 条，共 138 条

标题: Preparation, characterization, viscosity, and thermal conductivity of nitrogen-doped graphene aqueous nanofluids

作者: Mehrali, Mohammad; Sadeghinezhad, Emad; Latibari, Sara Tahan; Mehrali, Mehdi; Togun, Hussein; Zubir, M. N. M.; Kazi, S. N.; Metselaar, Hendrik Simon Cornelis

来源出版物: JOURNAL OF MATERIALS SCIENCE 卷: 49 期: 20 页: 7156-7171 出版年: OCT 2014

第 51 条，共 138 条

标题: Role of oxygen functionalities on the synthesis of photocatalytically active graphene-TiO2 composites

作者: Pastrana-Martinez, Luisa M.; Morales-Torres, Sergio; Likodimos, Vlassis; Falaras, Polycarpos; Figueiredo, Jose L.; Faria, Joaquim L.; Silva, Adrian M. T.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 158 页: 329-340 出版年: OCT 2014

第 52条，共 138 条

标题: Short-range ordering of ion-implanted nitrogen atoms in SiC-graphene

作者: Willke, P.; Amani, J. A.; Thakur, S.; Weikert, S.; Druga, T.; Maiti, K.; Hofsaess, H.; Wenderoth, M.

来源出版物: APPLIED PHYSICS LETTERS 卷: 105 期: 11 文献号: 111605 出版年: SEP 15 2014

第 53条，共 138 条

标题: Enhanced Thermal Oxidation Stability of Reduced Graphene Oxide by Nitrogen Doping

作者: Sandoval, Stefania; Kumar, Nitesh; Sundaresan, A.; Rao, C. N. R.; Fuertes, Amparo; Tobias, Gerard

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL 卷: 20 期: 38 页: 11999-12003 出版年: SEP 15 2014

第 54条，共 138 条

标题: Toward New Fuel Cell Support Materials: A Theoretical and Experimental Study of Nitrogen-Doped Graphene

作者: Seo, Min Ho; Choi, Sung Mook; Lim, Eun Ja; Kwon, In Hye; Seo, Joon Kyo; Noh, Seung Hyo; Kim, Won Bae; Han, Byungchan

来源出版物: CHEMSUSCHEM 卷: 7 期: 9 页: 2609-2620 出版年: SEP 2014

第 55 条，共 138 条

标题: Interplay between Oxidized Monovacancy and Nitrogen Doping in Graphene

作者: Hou, Zhufeng; Shu, Da-Jun; Chai, Guo-Liang; Ikeda, Takashi; Terakura, Kiyoyuki

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 118 期: 34 页: 19795-19805 出版年: AUG 28 2014

第 56 条，共 138 条

标题: Nitrogen-doped graphene with enhanced oxygen reduction activity produced by pyrolysis of graphene functionalized with imidazole derivatives

作者: Borghei, Maryam; Azcune, Itxaso; Carrasco, Pedro Ma; Sainio, Jani; Kauppinen, Esko; Ruiz, Virginia

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 24 页: 12749-12756 出版年: AUG 13 2014

第 119条，共 XX 条

标题: Controllable Synthesis of Doped Graphene and Its Applications

作者: Xue, Yunzhou; Wu, Bin; Bao, Qiaoliang; Liu, Yunqi

来源出版物: SMALL 卷: 10 期: 15 页: 2975-2991 出版年: AUG 13 2014

第 57 条，共 138 条

标题: Facile graphene n-doping by wet chemical treatment for electronic applications

作者: Bong, Jae Hoon; Sul, Onejae; Yoon, Alexander; Choi, Sung-Yool; Cho, Byung Jin

来源出版物: NANOSCALE 卷: 6 期: 15 页: 8503-8508 出版年: AUG 7 2014

第 58 条，共 138 条

标题: Strain-Controllable Magnetism in Co Decorated Pyridinic N-Doped Graphene

作者: Jo, Seungchan; Lee, Sangho; Yun, Kyung-Han; Hwang, Yubin; Chung, Yong-Chae

来源出版物: IEEE TRANSACTIONS ON MAGNETICS 卷: 50 期: 8 文献号: 1600104 子辑: 2 出版年: AUG 2014

第 59 条，共 138 条

标题: Chemically Functionalized Carbon Nanotubes with Pyridine Groups as Easily Tunable N-Decorated Nanomaterials for the Oxygen Reduction Reaction in Alkaline Medium

作者: Tuci, Giulia; Zafferoni, Claudio; Rossin, Andrea; Milella, Antonella; Luconi, Lapo; Innocenti, Massimo; Lai Truong Phuoc; Cuong Duong-Viet; Cuong Pham-Huu; Giambastian, Giuliano

来源出版物: CHEMISTRY OF MATERIALS 卷: 26 期: 11 页: 3460-3470 出版年: JUN 10 2014

第 60条，共 138条

标题: Conversion of pyrazoline to pyrazole in hydrazine treated N-substituted reduced graphene oxide films obtained by ion bombardment and their electrical properties

作者: Singhbabu, Y. N.; Kumari, Priya; Panda, Sunena; Sahu, Ranjan K.

来源出版物: CARBON 卷: 74 页: 32-43 出版年: AUG 2014

第 61条，共 138 条

标题: A Green Preparation of Nitrogen Doped Graphene Using Urine for Oxygen Reduction in Alkaline Fuel Cells

作者: Ahmed, Mohammad Shamsuddin; You, Jung-Min; Han, Hyoung Soon; Jeong, Dae-Cheol; Jeon, Seungwon

来源出版物: JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷: 14 期: 8 页: 5722-5729 出版年: AUG 2014

第 62条，共 138 条

标题: Single Source Precursor-based Solvothermal Synthesis of Heteroatom-doped Graphene and Its Energy Storage and Conversion Applications

作者: Quan, Bo; Yu, Seung-Ho; Chung, Dong Young; Jin, Aihua; Park, Ji Hyun; Sung, Yung-Eun; Piao, Yuanzhe

来源出版物: SCIENTIFIC REPORTS 卷: 4 文献号: 5639 出版年: JUL 10 2014

第 63 条，共 138 条

标题: Recent progress on graphene-based hybrid electrocatalysts

作者: Xia, Bao Yu; Yan, Ya; Wang, Xin; Lou, Xiong Wen (David)

来源出版物: MATERIALS HORIZONS 卷: 1 期: 4 页: 379-399 出版年: JUL 2014

第 64 条，共 138条

标题: Nitrogen doping of chemical vapor deposition grown graphene on 4H-SiC (0001)作者: Urban, J. M.; Dabrowski, P.; Binder, J.; Kopciuszynski, M.; Wysmolek, A.; Klusek, Z.; Jalochowski, M.; Strupinski, W.; Baranowski, J. M.

来源出版物: JOURNAL OF APPLIED PHYSICS 卷: 115 期: 23 文献号: 233504 出版年: JUN 21 2014

第 65 条，共 138 条

标题: Synthesis, properties and applications of graphene doped with boron, nitrogen and other elements

作者: Rao, C. N. R.; Gopalakrishnan, K.; Govindaraj, A.

来源出版物: NANO TODAY 卷: 9 期: 3 页: 324-343 出版年: JUN 2014

第 66条，共 138 条

标题: Heteroatom-doped graphene for electrochemical energy storage

作者: Wen, Yangyang; Huang, Congcong; Wang, Lianzhou; Hulicova-Jurcakova, Denisa

来源出版物: CHINESE SCIENCE BULLETIN 卷: 59 期: 18 特刊: SI 页: 2102-2121 出版年: JUN 2014

第 67 条，共 138 条

标题: Nitrogen-Doped Graphene Nanosheets from Bulk Graphite using Microwave Irradiation

作者: Lee, Kwang Hoon; Oh, Jinwoo; Son, Jeong Gon; Kim, Heesuk; Lee, Sang-Soo

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 6 期: 9 页: 6361-6368 出版年: MAY 14 2014

第 68 条，共 138 条

标题: Theoretical study of hydrogen adsorption on nitrogen doped graphene decorated with palladium clusters

作者: Rangel, E.; Sansores, E.

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 12 页: 6558-6566 出版年: APR 15 2014

第 69条，共 138 条

标题: Shape Control of Mn 3 O 4 Nanoparticles on Nitrogen- Doped Graphene for Enhanced Oxygen Reduction Activity

作者: Duan, Jingjing; Chen, Sheng; Dai, Sheng; Qiao, Shi Zhang

来源出版物: ADVANCED FUNCTIONAL MATERIALS 卷: 24 期: 14 页: 2072-2078 出版年: APR 2014

第 70 条，共 138 条

标题: Atomistic Origins of High Rate Capability and Capacity of N-Doped Graphene for Lithium Storage

作者: Wang, Xi; Weng, Qunhong; Liu, Xizheng; Wang, Xuebin; Tang, Dai-Ming; Tian, Wei; Zhang, Chao; Yi, Wei; Liu, Dequan; Bando, Yoshio; Golberg, Dmitri

来源出版物: NANO LETTERS 卷: 14 期: 3 页: 1164-1171 出版年: MAR 2014

第 71 条，共 138条

标题: First-principles study of Pt-film stability on doped graphene sheets

作者: Park, Tae-uk; Tomita, Yoko; Nakayama, Takashi

来源出版物: SURFACE SCIENCE 卷: 621 页: 7-15 出版年: MAR 2014

第 72 条，共 138 条

标题: Effects of graphene and carbon coating modifications on electrochemical performance of silicon nanoparticle/graphene composite anode

作者: de Guzman, Rhet C.; Yang, Jinho; Cheng, Mark Ming-Cheng; Salley, Steven O.; Ng, K. Y. Simon

来源出版物: JOURNAL OF POWER SOURCES 卷: 246 页: 335-345 出版年: JAN 15 2014

第 73 条，共 138 条

标题: Theoretical insight into highly durable iron phthalocyanine derived non-precious catalysts for oxygen reduction reactions

作者: Seo, Min Ho; Higgins, Drew; Jiang, Gaopeng; Choi, Sung Mook; Han, Byungchan; Chen, Zhongwei

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 46 页: 19707-19716 出版年: 2014

第 74 条，共138条

标题: Hexamethylenetetramine mediated simultaneous nitrogen doping and reduction of graphene oxide for a metal-free SERS substrate

作者: Barman, Barun Kumar; Nanda, Karuna Kar

来源出版物: RSC ADVANCES 卷: 4 期: 83 页: 44146-44150 出版年: 2014

第 75条，共138 条

标题:Nitrogen-doped and crumpled graphene sheets with improved supercapacitance

作者: Zou, Yuqin; Kinloch, Ian A.; Dryfe, Robert A. W.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 45 页: 19495-19499 出版年: 2014

第 76 条，共 138 条

标题: Supercritical fluid processing of nitric acid treated nitrogen doped graphene with enhanced electrochemical supercapacitance

作者: Balaji, Suresh; Sathish, M.

来源出版物: RSC ADVANCES 卷: 4 期: 94 页: 52256-52262 出版年: 2014

第 77 条，共 138 条

标题: Growth of 2D heterostructures of graphene/BN

作者: Hwang, Jeonghyun; Calderon, Brian R.; Alsalman, Hussain A.; Kwak, Joon Young; Kim, Moonkyung; Spencer, Michael G.

来源出版物: MICRO- AND NANOTECHNOLOGY SENSORS, SYSTEMS, AND APPLICATIONS VI 丛书: Proceedings of SPIE 卷: 9083 文献号: 90830D 出版年: 2014

第 78条，共 138 条

标题: Defective Graphene Foam: A Platinum Catalyst Support for PEMFCs

作者: Liu, Jianfeng; Takeshi, Daio; Sasaki, Kazunari; Lyth, Stephen Matthew

来源出版物: JOURNAL OF THE ELECTROCHEMICAL SOCIETY 卷: 161 期: 9 页: F838-F844 出版年: 2014

第 79条，共 138 条

标题: Two and three dimensional network polymers for electrocatalysis

作者: Filer, Alan; Choi, Hyun-Jung; Seo, Jeong-Min; Baek, Jong-Beom

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 16 期: 23 页: 11150-11161 出版年: 2014

第 80条，共 138 条

标题: Metal-free doped carbon materials as electrocatalysts for the oxygen reduction reaction

作者: Daems, Nick; Sheng, Xia; Vankelecom, Ivo F. J.; Pescarmona, Paolo P.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 12 页: 4085-4110 出版年: 2014

第 81 条，共 138 条

标题: Supercritical fluid assisted synthesis of N-doped graphene nanosheets and their capacitance behavior in ionic liquid and aqueous electrolytes

作者: Sathish, Marappan; Mitani, Satoshi; Tomai, Takaaki; Honma, Itaru

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 13 页: 4731-4738 出版年: 2014

第 82 条，共 138 条

标题: Toward a green way for the chemical production of supported graphenes using porous solids

作者: [Ruiz-Garcia, C](http://apps.webofknowledge.com/OneClickSearch.do?product=UA&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&SID=2BOkgfeDxcljtWsCXdC&field=AU&value=Ruiz-Garcia,%20C) (Ruiz-Garcia, Cristina)[ [1](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=182#addressWOS:000330048400001-1) ] ; [Darder, M](http://apps.webofknowledge.com/OneClickSearch.do?product=UA&search_mode=OneClickSearch&SID=2BOkgfeDxcljtWsCXdC&field=AU&value=Darder,%20M&ut=16630685&pos=%7b2%7d&excludeEventConfig=ExcludeIfFromFullRecPage) (Darder, Margarita)[ [1](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=182#addressWOS:000330048400001-1) ] ; [Aranda, P](http://apps.webofknowledge.com/OneClickSearch.do?product=UA&search_mode=OneClickSearch&SID=2BOkgfeDxcljtWsCXdC&field=AU&value=Aranda,%20P&ut=10226063&pos=%7b2%7d&excludeEventConfig=ExcludeIfFromFullRecPage) (Aranda, Pilar)[ [1](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=182#addressWOS:000330048400001-1) ] ; [Ruiz-Hitzky, E](http://apps.webofknowledge.com/OneClickSearch.do?product=UA&search_mode=OneClickSearch&SID=2BOkgfeDxcljtWsCXdC&field=AU&value=Ruiz-Hitzky,%20E&ut=13991719&pos=%7b2%7d&excludeEventConfig=ExcludeIfFromFullRecPage) (Ruiz-Hitzky, Eduardo)[ [1](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=182#addressWOS:000330048400001-1) ]

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 2   期: 7   页: 2009-2017   出版年: 2014

第 83 条，共 138 条

标题:

[High concentration of nitrogen doped into graphene using N-2 plasma with an aluminum oxide buffer layer](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=183)

作者: Park, Sang Han; Chae, Jimin; Cho, Mann-Ho

来源出版物JOURNAL OF MATERIALS CHEMISTRY C   卷: 2   期: 5   页: 933-939   出版年: 2014

第 84 条，共 138 条

标题:

[One step synthesis of sulfur-carbon nanosheet hybrids via a solid solvothermal reaction for lithium sulfur batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=184)

作者: Choi, Hong Soo; Oh, Jun Young; Park, Chong Rae

来源出版物RSC ADVANCES   卷: 4   期: 8   页: 3684-3690   出版年: 2014

第 85 条，共 138 条

[Rapid synthesis of nitrogen-doped graphene for a lithium ion battery anode with excellent rate performance and super-long cyclic stability](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=187)

作者: Hu, Tao; Sun, Xiang; Sun, Hongtao; 等.

来源出版物 PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 16    页: 1060-1066   出版年: 2014

第 86 条，共 138 条

[Rapid synthesis of nitrogen-doped graphene for a lithium ion battery anode with excellent rate performance and super-long cyclic stability](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=187)

作者: Hu, Tao; Sun, Xiang; Sun, Hongtao; 等.

来源出版物PHYSICAL CHEMISTRY CHEMICAL PHYSICS   卷: 16  页: 1060-1066   出版年: 2014

第 87 条，共 138 条

[Synthesis and electrochemical applications of nitrogen-doped carbon nanomaterials](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=189)

作者: Majeed, Saadat; Zhao, Jianming; Zhang, Ling; 等.

来源出版物NANOTECHNOLOGY REVIEWS   卷: 2   期: 6   页: 615-635   出版年: DEC 2013

第 88 条，共 138 条

[Oxygen reduction reaction over nitrogen-doped graphene oxide cathodes in acid and alkaline fuel cells at intermediate temperatures](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=190)

作者: Hibino, Takashi; Kobayashi, Kazuyo; Heo, Pilwon

ELECTROCHIMICA ACTA   卷: 112   页: 82-89   出版年: DEC 1 2013

第 89 条，共 138 条

[Supercapacitors based on nitrogen-doped reduced graphene oxide and borocarbonitrides](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=191)

作者: Gopalakrishnan, K.; Moses, Kota; Govindaraj, A.; 等.

来源出版物SOLID STATE COMMUNICATIONS   卷: 175   特刊: SI   页: 43-50   出版年: DEC 2013

第 90 条，共 138 条

[Porous nitrogen doped carbon fiber with churros morphology derived from electrospun bicomponent polymer as highly efficient electrocatalyst for Zn-air batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=193)

作者: Park, Gi Su; Lee, Jang-Soo; Kim, Sun Tai; 等.

来源出版物JOURNAL OF POWER SOURCES   卷: 243   页: 267-273   出版年: DEC 1 2013

第 91 条，共 138条

[In situ growth of p and n-type graphene thin films and diodes by pulsed laser deposition](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=195)

作者: Kumar, S. R. Sarath; Nayak, Pradipta K.; Hedhili, M. N.; 等.

来源出版物APPLIED PHYSICS LETTERS   卷: 103   期: 19     文献号: 192109   出版年: NOV 4 2013

第 92 条，共 138 条

[Thermally reduced graphite and graphene oxides in VRFBs](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=197)

作者: Gonzalez, Zoraida; Botas, Cristina; Blanco, Clara; 等.

来源出版物NANO ENERGY   卷: 2   期: 6   页: 1322-1328   出版年: NOV 2013

第 93 条，共 138条

[A single-source route to bulk samples of C3N and the co-evolution of graphitic carbon microspheres](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=198)

作者: King, Timothy C.; Matthews, Peter D.; Pedro Holgado, Juan; 等.

来源出版物CARBON   卷: 64   页: 6-10   出版年: NOV 2013

第 94 条，共 138 条

[Graphite oxide-based graphene materials as positive electrodes in vanadium redox flow batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=199)

作者: Gonzalez, Zoraida; Botas, Cristina; Blanco, Clara; 等.

来源出版物JOURNAL OF POWER SOURCES   卷: 241   页: 349-354   出版年: NOV 1 2013

第 95 条，共 138 条

[Synthesis of nitrogen-doped graphene via simple microwave-hydrothermal process](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=201)

作者: Kim, Il To; Shin, Moo Whan

来源出版物MATERIALS LETTERS   卷: 108   页: 33-36   出版年: OCT 1 2013

第 96条，共 138 条

[Nitrogen-tuned bonding mechanism of Li and Ti adatom embedded graphene](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=203)

作者: Lee, Sangho; Chung, Yong-Chae

来源出版物JOURNAL OF SOLID STATE CHEMISTRY   卷: 205   页: 160-164   出版年: SEP 2013

第 97 条，共 138 条

[Identification of Nitrogen Dopants in Single-Walled Carbon Nanotubes by Scanning Tunneling Microscopy](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=205)

作者: Tison, Yann; Lin, Hong; Lagoute, Jerome; 等.

来源出版物ACS NANO   卷: 7   期: 8   页: 7219-7226   出版年: AUG 2013

第 98 条，共 138 条

[Geometric and magnetic properties of Co adatom decorated nitrogen-doped graphene](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=209)

作者: Lee, Sangho; Lee, Minho; Chung, Yong-Chae

来源出版物JOURNAL OF APPLIED PHYSICS   卷: 113   期: 17     文献号: 17B503   出版年: MAY 7 2013

第 99 条，共 138 条

[Graphene-Based Nanomaterials: Synthesis, Properties, and Optical and Optoelectronic Applications](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=211)

作者: Chang, Haixin; Wu, Hongkai

来源出版物ADVANCED FUNCTIONAL MATERIALS   卷: 23   期: 16   页: 1984-1997   出版年: APR 25 2013

第 100 条，共 138 条

[Effect of nitrogen induced defects in Li dispersed graphene on hydrogen storage](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=212)

作者: Lee, Sangho; Lee, Minho; Choi, Heechae; 等.

来源出版物INTERNATIONAL JOURNAL OF HYDROGEN ENERGY   卷: 38 页: 4611-4617   出版年: APR 15 2013

第 101 条，共 138 条

[N-Doped Graphene-VO2(B) Nanosheet-Built 3D Flower Hybrid for Lithium Ion Battery](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=213)

作者: Nethravathi, C.; Rajamathi, Catherine R.; Rajamathi, Michael; 等.

来源出版物ACS APPLIED MATERIALS & INTERFACES   卷: 5   期: 7   页: 2708-2714   出版年: APR 10 2013

第 102 条，共 138 条

[Electronic structure of N-doped graphene with native point defects](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=215)

作者: Hou, Zhufeng; Wang, Xianlong; Ikeda, Takashi; 等.

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作者: Liu, Yisi; Li, Jie; Li, Wenzhang; Li, Yaomin; Chen, Qiyuan; Zhan, Faqi

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作者: Zhou, Yuqi; Zeng, Yan; Xu, Dandan; Li, Peihang; Wang, Heng-guo; Li, Xiang; Li, Yanhui; Wang, Yinghui

来源出版物: [ELECTROCHIMICA ACTA](javascript:;)  卷: 184   页: 24-31   出版年: DEC 1 2015

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作者: Hu, Peiguang; Liu, Ke; Deming, Christopher P.; Chen, Shaowei

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作者: Ren, Suzhen; Ma, Shaobo; Yang, Ying; Mao, Qing; Hao, Ce

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作者: Zhang CanKun; Lin WeiYi; Zhao ZhiJuan; Zhuang PingPing; Zhan LinJie; Zhou YingHui; Cai WeiWei

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来源出版物: [ELECTROCHIMICA ACTA](javascript:;)  卷: 174   页: 464-471   出版年: AUG 20 2015

第 11 条，共 144 条

标题: [Nitrogen Doping Enables Covalent-Like pi-pi Bonding between Graphenes](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=22)

作者: Tian, Yong-Hui; Huang, Jingsong; Sheng, Xiaolan; Sumpter, Bobby G.; Yoon, Mina; Kertesz, Miklos

来源出版物: [NANO LETTERS](javascript:;)  卷: 15   期: 8   页: 5482-5491   出版年: AUG 2015

第 12 条，共 144 条

标题: [Physicochemical Changes of Few-Layer Graphene in Peroxidase-Catalyzed Reactions: Characterization and Potential Ecological Effects](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=31&SID=2BMA8ymqGDVcQS17aTe&page=1&doc=23)

作者: Lu, Kun; Huang, Qingguo; Wang, Peng; Mao, Liang

来源出版物: ENVIRONMENTAL SCIENCE & TECHNOLOGY 卷: 49 期: 14 页: 8558-8565 出版年: JUL 21 2015

第 13 条，共 144 条

标题: Computational Insights into Oxygen Reduction Reaction and Initial Li2O2 Nucleation on Pristine and N-Doped Graphene in Li-O-2 Batteries

作者: Jing, Yu; Zhou, Zhen

来源出版物: ACS CATALYSIS 卷: 5 期: 7 页: 4309-4317 出版年: JUL 2015

第 14 条，共 144 条

标题: pH Effect on Electrochemistry of Nitrogen-Doped Carbon Catalyst for Oxygen Reduction Reaction

作者: Wan, Kai; Yu, Zhi-peng; Li, Xiao-hua; Liu, Ming-yao; Yang, Gang; Piao, Jin-hua; Liang, Zhen-xing

来源出版物: ACS CATALYSIS 卷: 5 期: 7 页: 4325-4332 出版年: JUL 2015

第 15 条，共 144 条

标题: Structural stability and O-2 dissociation on nitrogen-doped graphene with transition metal atoms embedded: A first-principles study

作者: Yang, Mingye; Wang, Lu; Li, Min; Hou, Tingjun; Li, Youyong

来源出版物: AIP ADVANCES 卷: 5 期: 6 文献号: 067136 出版年: JUN 2015

第 16 条，共 144 条

标题: Enhanced Capacitive Properties of All-solid-state Symmetric Graphene Super-capacitors by Incorporating Nitrogen-doping and SnO2 Nanoparticles

作者: Yu Jian-Hua; Xu Li-Li; Zhang Wu-Shou; Zhu Qian-Qian; Wang Xiao-Xia; Dong Li-Feng

来源出版物: JOURNAL OF INORGANIC MATERIALS 卷: 30 期: 6 页: 662-666 出版年: JUN 2015

第 17 条，共 144 条

标题: Evident improvement of nitrogen-doped graphene on visible light photocatalytic activity of N-TiO2/N-graphene nanocomposites

作者: Liu, Yingliang; Wang, Shengping; Xu, Shengang; Cao, Shaokui

来源出版物: MATERIALS RESEARCH BULLETIN 卷: 65 页: 27-35 出版年: MAY 2015

第 18 条，共 144 条

标题: Synthesis of graphene with both high nitrogen content and high surface area by annealing composite of graphene oxide and g-C3N4

作者: Deng, Yurong; Liu, Kewei; Cao, Hongmei; Luo, Mingliang; Yan, Hongjian

来源出版物: JOURNAL OF THE IRANIAN CHEMICAL SOCIETY 卷: 12 期: 5 页: 807-814 出版年: MAY 2015

第 19 条，共 144 条

标题: Enhanced capacitive deionization performance of graphene by nitrogen doping

作者: Xu, Xingtao; Pan, Likun; Liu, Yong; Lu, Ting; Sun, Zhuo

来源出版物: JOURNAL OF COLLOID AND INTERFACE SCIENCE 卷: 445 页: 143-150 出版年: MAY 1 2015

第 20 条，共 144 条

标题: Mesoporous N-Doped Carbons Prepared with Thermally Removable Nanoparticle Templates: An Efficient Electrocatalyst for Oxygen Reduction Reaction

作者: Niu, Wenhan; Li, Ligui; Liu, Xiaojun; Wang, Nan; Liu, Ji; Zhou, Weijia; Tang, Zhenghua; Chen, Shaowei

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷: 137 期: 16 页: 5555-5562 出版年: APR 29 2015

第 21 条，共 144 条

标题: Evolution of the Raman properties of nitrogen-doped graphene sheets with reducing agent

作者: Mei, Xiufeng; Meng, Xiuqing; Wu, Fengmin

来源出版物: EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS 卷: 70 期: 1 文献号: 10402 出版年: APR 2015

第 22 条，共 144 条

标题: Boron and Nitrogen Doping in Graphene for the Catalysis of Acetylene Hydrochlorination

作者: Dai, Bin; Chen, Kun; Wang, Yang; Kang, Lihua; Zhu, Mingyuan

来源出版物: ACS CATALYSIS 卷: 5 期: 4 页: 2541-2547 出版年: APR 2015

第 23 条，共 144 条

标题: Searching for magnetism in pyrrolic N-doped graphene synthesized via hydrothermal reaction

作者: Li, Jiayuan; Li, Xinghua; Zhao, Penghui; Lei, Dang Yuan; Li, Weilong; Bai, Jintao; Ren, Zhaoyu; Xu, Xinlong

来源出版物: CARBON 卷: 84 页: 460-468 出版年: APR 2015

第 24 条，共 144 条

标题: Nitrogen-doped graphene supported Pt nanoparticles with enhanced performance for methanol oxidation

作者: Ma, Jun-hong; Wang, Li; Mu, Xue; Li, Li

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 6 页: 2641-2647 出版年: FEB 19 2015

第 25 条，共 144 条

标题: Enhancement of Au/AC acetylene hydrochlorination catalyst activity and stability via nitrogen-modified activated carbon support

作者: Zhao, Jia; Xu, Jiangtao; Xu, Jinhui; Zhang, Tongtong; Di, Xiaoxia; Ni, Jun; Li, Xiaonian

来源出版物: CHEMICAL ENGINEERING JOURNAL 卷: 262 页: 1152-1160 出版年: FEB 15 2015

第 26 条，共 144 条

标题: Solvothermal synthesis of oxygen/nitrogen functionalized graphene-like materials with diversified morphology from different carbon sources and their fluorescence properties

作者: Yang, Feng; Zhao, Meilian; Ji, Hongyun; He, Duhong; Wu, Li; Zheng, Baozhan; Xiao, Dan; Guo, Yong

来源出版物: JOURNAL OF MATERIALS SCIENCE 卷: 50 期: 3 页: 1300-1308 出版年: FEB 2015

第 27 条，共 144 条

标题: Heteroatom substituted and decorated graphene: preparation and applications

作者: Chen, Nan; Huang, Xianke; Qu, Liangti

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 48 页: 32077-32098 出版年: 2015

第 28 条，共 144 条

标题: Nitrogen and fluorine co-doped graphene as a high-performance anode material for lithium-ion batteries

作者: Huang, Shizheng; Li, Yu; Feng, Yiyu; An, Haoran; Long, Peng; Qin, Chengqun; Feng, Wei

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 46 页: 23095-23105 出版年: 2015

第 29 条，共 144 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 期: 46 页: 23512-23519 出版年: 2015

第 30 条，共 144 条

标题: Three-dimensional N,B-doped graphene aerogel as a synergistically enhanced metal-free catalyst for the oxygen reduction reaction

作者: Xu, Congcong; Su, Yan; Liu, Dajun; He, Xingquan

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 38 页: 25440-25448 出版年: 2015

第 31 条，共 144 条

标题: Doped graphene: synthesis, properties and bioanalysis

作者: Zhang, Wenyan; Wu, Longfei; Li, Zhaolong; Liu, Yang

来源出版物: RSC ADVANCES 卷: 5 期: 61 页: 49521-49533 出版年: 2015

第 32 条，共 144条

标题: SnO2-isolated Pt3Sn alloy on reduced graphene oxide: an efficient catalyst for selective hydrogenation of C=O in unsaturated aldehydes

作者: Shi, Juanjuan; Zhang, Mengyuan; Du, Weichen; Ning, Wensheng; Hou, Zhaoyin

来源出版物: CATALYSIS SCIENCE & TECHNOLOGY 卷: 5 期: 6 页: 3108-3112 出版年: 2015

第 33 条，共 144 条

标题: Enhanced photoluminescence of pyrrolic-nitrogen enriched graphene quantum dots

作者: Hao, Ya-Nan; Guo, Hui-Lin; Tian, Lei; Kang, Xiaofeng

来源出版物: RSC ADVANCES 卷: 5 期: 54 页: 43750-43755 出版年: 2015

第 34 条，共 144 条

标题: Superior Performance Asymmetric Supercapacitors Based on Flake-like Co/Al Hydrotalcite and Graphene

作者: Lin, Worong; Yu, Wendan; Hu, Zhaoxia; Ouyang, Wenpeng; Shao, Xiaofeng; Li, Ruchun; Yuan, Ding Sheng

来源出版物: ELECTROCHIMICA ACTA 卷: 143 页: 331-339 出版年: OCT 10 2014

第 35 条，共 144 条

标题: Efficient approach to iron/nitrogen co-doped graphene materials as efficient electrochemical catalysts for the oxygen reduction reaction

作者: Dong, Qingqing; Zhuang, Xiaodong; Li, Zhi; Li, Bin; Fang, Bin; Yang, Cunzhong; Xie, Haifen; Zhang, Fan; Feng, Xinliang

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 15 页: 7767-7772出版年: 2015

第 36 条，共 144 条

标题: Fluorescence quenching in N-doped graphene derived from graphitic nitrogen

作者: Wang, Xing; Amat, Miribangul; Wang, Shuai; Jian, Jikang

来源出版物: RSC ADVANCES 卷: 5 期: 36 页: 28247-28250 出版年: 2015

第 37 条，共 144 条

标题: Controlled partial-exfoliation of graphite foil and integration with MnO2 nanosheets for electrochemical capacitors

作者: Song, Yu; Feng, Dong-Yang; Liu, Tian-Yu; Li, Yat; Liu, Xiao-Xia

来源出版物: ACS CATALYSIS 卷: 5 期: 1 页: 129-144 出版年: JAN 2015

第 38 条，共 144 条

标题: Easy one-step hydrothermal synthesis of nitrogen-doped reduced graphene oxide/iron oxide hybrid as efficient supercapacitor material

作者: Liu, H. D.; Zhang, J. L.; Xu, D. D.; Huang, L. H.; Tan, S. Z.; Mai, W. J.

来源出版物: JOURNAL OF SOLID STATE ELECTROCHEMISTRY 卷: 19 期: 1 特刊: SI 页: 135-144 出版年: JAN 2015

第 39条，共 144条

标题: Hydrothermal synthesis of highly nitrogen-doped few-layer graphene via solid-gas reaction

作者: Liang, Xianqing; Zhong, Jun; Shi, Yalin; Guo, Jin; Huang, Guolong; Hong, Caihao; Zhao, Yidong

来源出版物: MATERIALS RESEARCH BULLETIN 卷: 61 页: 252-258 出版年: JAN 2015

第 40 条，共 144 条

标题: How Much N-Doping Can Graphene Sustain?

作者: Shi, Zhiming; Kutana, Alex; Yakobson, Boris I.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY LETTERS 卷: 6 期: 1 页: 106-112 出版年: JAN 1 2015

第 41 条，共 144 条

标题: The room temperature electrochemical synthesis of N-doped graphene and its electrocatalytic activity for oxygen reduction

作者: Ma, Feng-Xiang; Wang, Jiong; Wang, Feng-Bin; Xia, Xing-Hua

来源出版物: CHEMICAL COMMUNICATIONS  卷: 51   期: 7   页: 1198-1201   出版年: 2015

第 42 条，共 144 条

标题: Nitrogen-containing mesoporous carbon cathode for lithium-oxygen batteries: The influence of Nitrogen on oxygen reduction reaction

作者: Nie, Hongjiao; Zhang, Yining; Zhou, Wei; Li, Jing; Wu, Baoshan; Liu, Tao; Zhang, Huamin

来源出版物: ELECTROCHIMICA ACTA 卷: 150 页: 205-210 出版年: DEC 20 2014

第 43 条，共 144 条

标题: TiO2/N-graphene nanocomposite via a facile in-situ hydrothermal sol-gel strategy for visible light photodegradation of eosin Y

作者: Liu, Yingliang; Pei, Fuyun; Lu, Ruijuan; Xu, Shengang; Cao, Shaokui

来源出版物: MATERIALS RESEARCH BULLETIN 卷: 60 页: 188-194 出版年: DEC 2014

第 44条，共 144 条

标题: Dyeing bacterial cellulose pellicles for energetic heteroatom doped carbon nanofiber aerogels

作者: Wu, Zhen-Yu; Liang, Hai-Wei; Li, Chao; Hu, Bi-Cheng; Xu, Xing-Xing; Wang, Qing; Chen, Jia-Fu; Yu, Shu-Hong

来源出版物: NANO RESEARCH 卷: 7 期: 12 页: 1861-1872 出版年: DEC 2014

第 45 条，共 144 条

标题: A green strategy for the synthesis of graphene supported Mn3O4 nanocomposites from graphitized coal and their supercapacitor application作者: Gao Feng; Qu Jiangying; Zhao Zongbin; Zhou Quan; Li Beibei; Qiu Jieshan

来源出版物: CARBON 卷: 80 页: 640-650 出版年: DEC 2014

第 46条，共 144 条

标题: Growth of nickel (111) plane: The key role in nickel for further improving the electrochemical property of hexagonal nickel hydroxide-nickel & reduced graphene oxide composite作者: Zhang, Jinglin; Liu, Huidi; Shi, Pu; Li, Yaoji; Huang, Langhuan; Mai, Wenjie; Tan, Shaozao; Cai, Xiang

来源出版物: JOURNAL OF POWER SOURCES 卷: 267 页: 356-365 出版年: DEC 1 2014

第 47 条，共 144 条

标题: Designed nitrogen doping of few-layer graphene functionalized by selective oxygenic groups作者: Chen, Ying; Xie, Bingqiao; Ren, Yingtao; Yu, Mengying; Qu, Yang; Xie, Ting; Zhang, Yong; Wu, Yucheng

来源出版物: NANOSCALE RESEARCH LETTERS 卷: 9 文献号: 646 出版年: NOV 29 2014

第 48条，共 144 条

标题: Nitrogen-doped reduced graphene oxide for high-performance flexible all-solid-state microsupercapacitors

作者: Liu, Shuangyu; Xie, Jian; Li, Haibo; Wang, Ye; Yang, Hui Ying; Zhu, Tiejun; Zhang, Shichao; Cao, Gaoshao; Zhao, Xinbing

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 42 页: 18125-18131 出版年: NOV 14 2014

第 49 条，共 144条

标题: Green synthesis of silver nanoparticles on nitrogen-doped graphene for hydrogen peroxide detection

作者: Tian, Ye; Wang, Fengli; Liu, Yanxia; Pang, Fu; Zhang, Xiao

来源出版物: ELECTROCHIMICA ACTA 卷: 146 页: 646-653 出版年: NOV 10 2014

第 50 条，共 144 条

标题: Unique Configuration of a Nitrogen-Doped Graphene Nanoribbon: Potential Applications to Semiconductor and Hydrogen Fuel Cell

作者: Zheng, Hong; Zheng, Jia-jia; He, Ling; Zhao, Xiang

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 118 期: 42 页: 24723-24729 出版年: OCT 23 2014

第 51 条，共 144 条

标题: Toward N-doped graphene nanosheets via hydrazine steaming process

作者: Tang, Jingjing; Yang, Juan; Zhou, Xiangyang; Chen, Guanghui; Xie, Jing

来源出版物: MATERIALS LETTERS 卷: 131 页: 340-343 出版年: SEP 15 2014

第52 条，共 144 条

标题: Free-Standing Nitrogen-doped Graphene Paper as Electrodes for High-Performance Lithium/Dissolved Polysulfide Batteries

作者: Han, Kai; Shen, Jingmei; Hao, Shiqiang; Ye, Hongqi; Wolverton, Christopher; Kung, Mayfair C.; Kung, Harold H.

来源出版物: CHEMSUSCHEM 卷: 7 期: 9 页: 2545-2553 出版年: SEP 2014

第 53 条，共 144 条

标题: High-Rate Oxygen Electroreduction over Graphitic-N Species Exposed on 3D Hierarchically Porous Nitrogen-Doped Carbons

作者: He, Wenhui; Jiang, Chunhuan; Wang, Jiabo; Lu, Lehui

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 53 期: 36 页: 9503-9507 出版年: SEP 1 2014

第 54 条，共 144条

标题: Synthesis of nitrogen-doped multilayer graphene from milk powder with melamine and their application to fuel cells作者: Zhao, Hong; Hui, K. S.; Hui, K. N.

来源出版物: CARBON 卷: 76 页: 1-9 出版年: SEP 2014

第 55 条，共 144 条

标题: TiO2 Nanoparticles-Functionalized N-Doped Graphene with Superior Interfacial Contact and Enhanced Charge Separation for Photocatalytic Hydrogen Generation

作者: Mou, Zhigang; Wu, Yijie; Sun, Jianhua; Yang, Ping; Du, Yukou; Lu, Cheng

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 6 期: 16 页: 13798-13806 出版年: AUG 27 2014

第 56 条，共 144条

标题: Nitrogen-doped reduced graphene oxide-Ni(OH)(2)-built 3D flower composite with easy hydrothermal process and excellent electrochemical performance作者: Liu, Huidi; Zhang, Jinglin; Zhang, Bin; Shi, Lei; Tan, Shaozao; Huang, Langhuan

来源出版物: ELECTROCHIMICA ACTA 卷: 138 页: 69-78 出版年: AUG 20 2014

第 57 条，共 144条

标题: Facile hydrothermal fabrication of nitrogen-doped graphene/Fe2O3 composites as high performance electrode materials for supercapacitor

作者: Zhao, Penghui; Li, Weilong; Wang, Gang; Yu, Baozhi; Li, Xiaojun; Bai, Jintao; Ren, Zhaoyu

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS 卷: 604 页: 87-93 出版年: AUG 15 2014

第 58 条，共 144 条

标题: Noble-Metal-Free Fe-N/C Catalyst for Highly Efficient Oxygen Reduction Reaction under Both Alkaline and Acidic Conditions

作者: Lin, Ling; Zhu, Qing; Xu, An-Wu

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷: 136 期: 31 页: 11027-11033 出版年: AUG 6 2014

第 59 条，共144 条

标题: A quasi core-shell nitrogen-doped graphene/cobalt sulfide conductive catalyst for highly efficient dye-sensitized solar cells

作者: Bi, Enbing; Chen, Han; Yang, Xudong; Peng, Wenqin; Graetzel, Michael; Han, Liyuan

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE 卷: 7 期: 8 页: 2637-2641 出版年: AUG 2014

第60 条，共 144 条

标题: Germanium Quantum Dots Embedded in N-Doping Graphene Matrix with Sponge-Like Architecture for Enhanced Performance in Lithium-Ion Batteries

作者: Qin, Jinwen; Wang, Xia; Cao, Minhua; Hu, Changwen

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL 卷: 20 期: 31 页: 9675-9682 出版年: JUL 28 2014

第 61条，共 144 条

标题: Direct Synthesis of Nitrogen-Doped Carbon Nanosheets with High Surface Area and Excellent Oxygen Reduction Performance

作者: Liu, Qiao; Duan, Youxin; Zhao, Qiuping; Pan, Fuping; Zhang, Bin; Zhang, Junyan

来源出版物: LANGMUIR 卷: 30 期: 27 页: 8238-8245 出版年: JUL 15 2014

第 62 条，共 144 条

标题: In situ nitrogen-doped nanoporous carbon nanocables as an efficient metal-free catalyst for oxygen reduction reaction

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

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 26 页: 10154-10160 出版年: JUL 14 2014

第 63 条，共 144 条

标题: Bottom-up synthesis of nitrogen-doped graphene sheets for ultrafast lithium storage

作者: Tian, Lei-Lei; Wei, Xian-Yong; Zhuang, Quan-Chao; Jiang, Chen-Hui; Wu, Chao; Ma, Guang-Yao; Zhao, Xing; Zong, Zhi-Min; Sun, Shi-Gang

来源出版物: NANOSCALE 卷: 6 期: 11 页: 6075-6083 出版年: JUN 7 2014

第64条，共 144条

标题: A Review of Graphene-Based Nanostructural Materials for Both Catalyst Supports and Metal-Free Catalysts in PEM Fuel Cell Oxygen Reduction Reactions

作者: Zhou, Xuejun; Qiao, Jinli; Yang, Lin; Zhang, Jiujun

来源出版物: ADVANCED ENERGY MATERIALS 卷: 4 期: 8 文献号: 1301523 出版年: JUN 2014

第 65 条，共 144条

标题: Phosphorus doped graphene nanosheets for room temperature NH3 sensing

作者: Niu, Fang; Tao, Li-Ming; Deng, Yu-Chao; Wang, Qi-Hua; Song, Wei-Guo

来源出版物: NEW JOURNAL OF CHEMISTRY 卷: 38 期: 6 页: 2269-2272 出版年: JUN 2014

第 66 条，共 144 条

标题: Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications

作者: Liu, Minmin; Zhang, Ruizhong; Chen, Wei

来源出版物: CHEMICAL REVIEWS 卷: 114 期: 10 页: 5117-5160 出版年: MAY 28 2014

第 67 条，共 144 条

标题: Resonance of graphene nanoribbons doped with nitrogen and boron: a molecular dynamics study

作者: Wei, Ye; Zhan, Haifei; Xia, Kang; Zhang, Wendong; Sang, Shengbo; Gu, Yuantong

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY 卷: 5 页: 717-725 出版年: MAY 27 2014

第 68 条，共 144 条

标题: Facile construction of Mn3O4 nanorods coated by a layer of nitrogen-doped carbon with high activity for oxygen reduction reaction

作者: Gao, Shuyan; Geng, Keran

来源出版物: NANO ENERGY 卷: 6 页: 44-50 出版年: MAY 2014

第 69 条，共 144条

标题: Amide-functionalized carbon supports for cobalt oxide toward oxygen reduction reaction in Zn-air battery

作者: Liu, Jing; Jiang, Luhua; Tang, Qiwen; Wang, Erdong; Qi, Luting; Wang, Suli; Sun, Gongquan

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 148 页: 212-220 出版年: APR 27 2014

第 70 条，共 144 条

标题: Effective improvement of photocatalytic hydrogen evolution via a facile in-situ solvothermal N-doping strategy in N-TiO2/N-graphene nanocomposite

作者: Pei, Fuyun; Xu, Shengang; Zuo, Wei; Zhang, Zhenru; Liu, Yingliang; Cao, Shaokui

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 13 页: 6845-6852 出版年: APR 24 2014

第 71 条，共 144 条

标题: Low-Temperature Growth of Large-Area Heteroatom-Doped Graphene Film

作者: Zhang, Jia; Li, Junjie; Wang, Zhenlong; Wang, Xiaona; Feng, Wei; Zheng, Wei; Cao, Wenwu; Hu, PingAn

来源出版物: CHEMISTRY OF MATERIALS 卷: 26 期: 7 页: 2460-2466 出版年: APR 8 2014

第 72 条，共 144 条

标题:Nitrogen-Doped Graphene Nanoribbons as Efficient Metal-Free Electrocatalysts for Oxygen Reduction

作者: Liu, Mingkai; Song, Yanfang; He, Sixin; Tjiu, Weng Weei; Pan, Jisheng; Xia, Yong-Yao; Liu, Tianxi

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 6 期: 6 页: 4214-4222 出版年: MAR 26 2014

第 73条，共 144 条

标题: Carbon nanocages: A new support material for Pt catalyst with remarkably high durability

作者: Wang, Xiao Xia; Tan, Zhe Hua; Zeng, Min; Wang, Jian Nong

来源出版物: SCIENTIFIC REPORTS 卷: 4 文献号: 4437 出版年: MAR 24 2014

第 74条，共 144 条

标题: Electrochemical anchoring of dual doping polypyrrole on graphene sheets partially exfoliated from graphite foil for high-performance supercapacitor electrode

作者: Song, Yu; Xu, Jun-Li; Liu, Xiao-Xia

来源出版物: JOURNAL OF POWER SOURCES 卷: 249 页: 48-58 出版年: MAR 1 2014

第 75 条，共 144 条

标题: Electrocatalytic performance of Ni modified MnOX/C composites toward oxygen reduction reaction and their application in Zn-air battery

作者: Wu, Qiumei; Jiang, Luhua; Qi, Luting; Wang, Erdong; Sun, Gongquan

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 7 页: 3423-3432 出版年: FEB 25 2014

第 76 条，共 144 条

标题: Nitrogen-Doped Graphene Materials for Supercapacitor Applications

作者: Lu, Yanhong; Huang, Yi; Zhang, Mingjie; Chen, Yongsheng

来源出版物: JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷: 14 期: 2 页: 1134-1144 出版年: FEB 2014

第 77 条，共 144 条

标题: Microwave-assisted solvothermal preparation of nitrogen and sulfur co-doped reduced graphene oxide and graphene quantum dots hybrids for highly efficient oxygen reduction

作者: Luo, Zhimin; Yang, Dongliang; Qi, Guangqin; Shang, Jingzhi; Yang, Huanping; Wang, Yanlong; Yuwen, Lihui; Yu, Ting; Huang, Wei; Wang, Lianhui

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 48 页: 20605-20611 出版年: 2014

第 78条，共 144 条

标题: A two-dimensional hybrid with molybdenum disulfide nanocrystals strongly coupled on nitrogen-enriched graphene via mild temperature pyrolysis for high performance lithium storage

作者: Tang, Yanping; Wu, Dongqing; Mai, Yiyong; Pan, Hao; Cao, Jing; Yang, Chongqing; Zhang, Fan; Feng, Xinliang

来源出版物: NANOSCALE 卷: 6 期: 24 页: 14679-14685 出版年: 2014

第 79 条，共 144 条

标题: Ag nanoparticles supported on N-doped graphene hybrids for catalytic reduction of 4-nitrophenol

作者: Tian, Ye; Cao, Yan-Yan; Pang, Fu; Chen, Gui-qiang; Zhang, Xiao

来源出版物: RSC ADVANCES 卷: 4 期: 81 页: 43204-43211 出版年: 2014

第 80 条，共 144条

标题: Recent advances of doped carbon as non-precious catalysts for oxygen reduction reaction

作者: Shi, Hao; Shen, Yanfei; He, Fei; Li, Ying; Liu, Anran; Liu, Songqin; Zhang, Yuanjian

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 38 页: 15704-15716 出版年: 2014

第 81条，共 144条

标题: Conversion of polystyrene foam to a high-performance doped carbon catalyst with ultrahigh surface area and hierarchical porous structures for oxygen reduction

作者: You, Chenghang; Liao, Shijun; Qiao, Xiaochang; Zeng, Xiaoyuan; Liu, Fangfang; Zheng, Ruiping; Song, Huiyu; Zeng, Jianhuang; Li, Yingwei

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 31 页: 12240-12246 出版年: 2014

第 82 条，共 144 条

标题: One-step synthesis of graphene/polyaniline hybrids by in situ intercalation polymerization and their electromagnetic properties

作者: Chen, Xiangnan; Meng, Fanchen; Zhou, Zuowan; Tian, Xin; Shan, Liming; Zhu, Shibu; Xu, Xiaoling; Jiang, Man; Wang, Li; Hui, David; Wang, Yong; Lu, Jun; Gou, Jihua

来源出版物: NANOSCALE 卷: 6 期: 14 页: 8140-8148 出版年: 2014

第 83 条，共 144 条

标题: Electrocatalytic activity of metalloporphyrins grown in situ on graphene sheets toward oxygen reduction reaction in an alkaline medium

作者: Jiang, Liqing; Li, Meng; Lin, Lin; Li, Yongfeng; He, Xingquan; Cui, Lili

来源出版物: RSC ADVANCES 卷: 4 期: 51 页: 26653-26661 出版年: 2014

第 84 条，共 144 条

标题: Hydrothermal synthesis of nitrogen-doped graphene hydrogels using amino acids with different acidities as doping agents

作者: Wang, Tao; Wang, Luxiang; Wu, Dongling; Xia, Wei; Zhao, Hongyang; Jia, Dianzeng

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 22 页: 8352-8361 出版年: 2014

第 85 条，共 144 条

标题: From graphite oxide to nitrogen and sulfur co-doped few-layered graphene by a green reduction route via Chinese medicinal herbs

作者: Feng, Bin; Xie, Jian; Dong, Chen; Zhang, Shichao; Cao, Gaoshao; Zhao, Xinbing

来源出版物: RSC ADVANCES 卷: 4 期: 34 页: 17902-17907 出版年: 2014

第 86 条，共 144 条

标题: Novel C-rich carbon nitride for room temperature NO2 gas sensors

作者: Wang, Donghong; Gu, Wen; Zhang, Yuewei; Hu, Ying; Zhang, Ting; Tao, Xiaoming; Chen, Wei

来源出版物: RSC ADVANCES 卷: 4 期: 35 页: 18003-18006 出版年: 2014

第 87 条，共 144 条

标题: Preparation of N-doped graphene by reduction of graphene oxide with mixed microbial system and its haemocompatibility

作者: Fan, Mengmeng; Zhu, Chunlin; Feng, Zhang-Qi; Yang, Jiazhi; Liu, Lin; Sun, Dongping

来源出版物: NANOSCALE 卷: 6 期: 9 页: 4882-4888 出版年: 2014

第 88条，共 144 条

标题: Doped graphene for metal-free catalysis

作者: Kong, Xiang-Kai; Chen, Chang-Le; Chen, Qian-Wang

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 43 期: 8 页: 2841-2857 出版年: 2014

第89 条，共 144 条

标题: Submerged liquid plasma - low energy synthesis of nitrogen-doped graphene for electrochemical applications

作者: Senthilnathan, Jaganathan; Rao, Kodepelly Sanjeeva; Yoshimura, Masahiro

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 10 页: 3332-3337 出版年: 2014

第 90条，共 144 条

标题: A polyaniline/graphene nanocomposite prepared by in situ polymerization of polyaniline onto polyanion grafted graphene and its electrochemical properties

作者: Wu, Tao; Xu, Xiaoyang; Zhang, Lei; Chen, Huabin; Gao, Jianping; Liu, Yu

来源出版物: RSC ADVANCES 卷: 4 期: 15 页: 7673-7681 出版年: 2014

第 91 条，共 144 条

[Nitrogen-doped hollow carbon hemispheres as efficient metal-free electrocatalysts for oxygen reduction reaction in alkaline medium](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=185&cacheurlFromRightClick=no)

作者: Han, Chuanlong; Wang, Jing; Gong, Yutong; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 2   期: 3   页: 605-609   出版年: 2014

第 92 条，共 144 条

[Pyridyne cycloaddition of graphene: "external" active sites for oxygen reduction reaction](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=19&doc=186)

作者: Zhong, Xing; Yu, Huiyou; Zhuang, Guilin; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 2   期: 4   页: 897-901   出版年: 2014

第 93 条，共 144 条

[A density functional theory study on oxygen reduction reaction on nitrogen-doped graphene](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=192)

作者: Zhang, Jing; Wang, Zhijian; Zhu, Zhenping

来源出版物JOURNAL OF MOLECULAR MODELING   卷: 19   期: 12   页: 5515-5521   出版年: DEC 2013

第 94 条，共 144 条

[Biological Uptake and Depuration of Radio-labeled Graphene by Daphnia magna](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=194)

作者: Guo, Xiangke; Dong, Shipeng; Petersen, Elijah J.; 等.

来源出版物ENVIRONMENTAL SCIENCE & TECHNOLOGY   卷: 47 页: 12524-12531   出版年: NOV 5 2013

第 95 条，共 144 条

[One stone, two birds: Gastrodia elata-derived heteroatom-doped carbon materials for efficient oxygen reduction electrocatalyst and as fluorescent decorative materials](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=196)

作者: Gao, Shuyan; Fan, Hao; Chen, Yanli; 等.

来源出版物NANO ENERGY   卷: 2   期: 6   页: 1261-1270   出版年: NOV 2013

第 96 条，共 144 条

[Nitrogen-Doped Carbon with Mesopore Confinement Efficiently Enhances the Tolerance, Sensitivity, and Stability of a Pt Catalyst for the Oxygen Reduction Reaction](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=20&doc=200)

作者: Gao, Shuyan; Fan, Hao; Wei, Xianjun; 等.

来源出版物PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION   卷: 30 页: 864-872   出版年: OCT 2013

第 97 条，共 144 条

[Manageable N-doped Graphene for High Performance Oxygen Reduction Reaction](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=202)

作者: Zhang, Yuewei; Ge, Jun; Wang, Lu; 等.

来源出版物SCIENTIFIC REPORTS   卷: 3     文献号: 2771   出版年: SEP 26 2013

第 98 条，共 144 条

[Nitrogen-Doped Graphene](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=204)

作者: Chen Xu; He Daping; Mu Shichun

来源出版物PROGRESS IN CHEMISTRY   卷: 25   期: 8   页: 1292-1301   出版年: AUG 24 2013

第 99 条，共 144条

[Simultaneous N-intercalation and N-doping of epitaxial graphene on 6H-SiC(0001) through thermal reactions with ammonia](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=206)

作者: Wang, Zhou-jun; Wei, Mingming; Jin, Li; 等.

来源出版物NANO RESEARCH   卷: 6   期: 6   页: 399-408   出版年: JUN 2013

第 100 条，共 144 条

[Application of Modified Graphene for Cathode Catalysts in Fuel Cells](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=208)

作者: Zhong Yiliang; Mo Zaiyong; Yang Lijun; 等.

来源出版物PROGRESS IN CHEMISTRY   卷: 25   期: 5   页: 717-725   出版年: MAY 24 2013

第 101条，共 144 条

[Low-temperature preparation of nitrogen-doped graphene for supercapacitors](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=21&doc=210)

作者: Cao, Hailiang; Zhou, Xufeng; Qin, Zhihong; 等.

来源出版物CARBON   卷: 56   页: 218-223   出版年: MAY 2013

第 102 条，共 144 条

Synthesis of Nitrogen-doped Graphene and Its Electrocatalytic Performance Toward Oxygen Reduction Reaction

作者: Li Jing; Wang Xian-Bao; Yang Jia; 等.

来源出版物CHEMICAL JOURNAL OF CHINESE UNIVERSITIES-CHINESE 卷: 34 期: 4 页: 800-805 出版年: APR 10 2013

第 103 条，共 144 条

[Facile single-step preparation of Pt/N-graphene catalysts with improved methanol electrooxidation activity](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=216)

作者: Zhao, Yuanyuan; Zhou, Yingke; Xiong, Bin; 等.

来源出版物JOURNAL OF SOLID STATE ELECTROCHEMISTRY   卷: 17   期: 4   页: 1089-1098   出版年: APR 2013

第 104 条，共 144 条

[N-doped graphene-supported Pt and Pt-Ru nanoparticles with high electrocatalytic activity for methanol oxidation](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=217)

作者: Dong, Hongzhou; Bai, Jincheng; Zhu, Qianqian; 等.

来源出版物JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY   卷: 5   期: 2     文献号: 021405   出版年: MAR 1 2013

第 105 条，共 144 条

[Solvothermal synthesis of boron-doped graphene and nitrogen-doped graphene and their electrical properties](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=22&doc=218)

作者: Zhu, Qianqian; Yu, Jianhua; Zhang, Wushou; 等.

来源出版物Energy & Environm Sci (EES); Journal Renewable & Sustainable Energy (JRSE)

JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY   卷: 5   期: 2     文献号: 021408   出版年: MAR 1 2013

第 106 条，共 144 条

[Catalyst-free synthesis of multi-walled carbon nanotubes from carbon spheres and its implications for the formation mechanism](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=221)

作者: Qiu, Hanxun; Yang, Guangzhi; Zhao, Bin; 等.

来源出版物CARBON   卷: 53   页: 137-144   出版年: MAR 2013

第 107 条，共 144 条

[One-pot microwave-assisted combustion synthesis of graphene oxide-TiO2 hybrids for photodegradation of methyl orange](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=222)

作者: Pu, Xipeng; Zhang, Dafeng; Gao, Yanyan; 等.

来源出版物JOURNAL OF ALLOYS AND COMPOUNDS   卷: 551   页: 382-388   出版年: FEB 25 2013

第 108 条，共 144条

[Superhigh capacity and rate capability of high-level nitrogen-doped graphene sheets as anode materials for lithium-ion batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=223)

作者: Cai, Dandan; Wang, Suqing; Lian, Peichao; 等.

来源出版物ELECTROCHIMICA ACTA   卷: 90   页: 492-497   出版年: FEB 15 2013

第 109 条，共 144 条

[Nitrogen-doped graphene as catalysts and catalyst supports for oxygen reduction in both acidic and alkaline solutions](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=224)

作者: Bai, Jincheng; Zhu, Qianqian; Lv, Zhexin; 等.

来源出版物INTERNATIONAL JOURNAL OF HYDROGEN ENERGY   卷: 38   页: 1413-1418   出版年: FEB 6 2013

第 110条，共 144 条

[Graphene and N-doped Graphene Coated with SnO2 Nanoparticles as Supercapacitor Electrodes](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=226)

作者: Xu, Lili; Yu, Jianhua; Zhu, Qianqian; 等.

来源出版物NEXT GENERATION OF SUPERCAPACITORS   丛书: ECS Transactions   卷: 53   期: 31   页: 1-8   出版年: 2013

第 111 条，共 144 条

[Nitrogen-self-doped graphene as a high capacity anode material for lithium-ion batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=229)

作者: He, Chunyong; Wang, Ruihong; Fu, Honggang; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 1   期: 46   页: 14586-14591   出版年: 2013

第 112 条，共 144 条

[Thermal management performance of bent graphene nanoribbons](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=23&doc=230)

作者: Yang, Ping; Tang, Yunqing; Yang, Haiying; 等.

来源出版物RSC ADVANCES   卷: 3   期: 38   页: 17349-17354   出版年: 2013

第 113 条，共 144 条

[Sandwich-like LiFePO4/graphene hybrid nanosheets: in situ catalytic graphitization and their high-rate performance for lithium ion batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=231)

作者: Guo, Xiangke; Fan, Qi; Yu, Liang; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 1   期: 38   页: 11534-11538   出版年: 2013

第 114 条，共 144 条

[Can all nitrogen-doped defects improve the performance of graphene anode materials for lithium-ion batteries?](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=232)

作者: Yu, Yang-Xin

来源出版物PHYSICAL CHEMISTRY CHEMICAL PHYSICS   卷: 15   期: 39   页: 16819-16827   出版年: 2013

第 115 条，共 144 条

[Nitrogen and silica co-doped graphene nanosheets for NO2 gas sensing](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=235)

作者: Niu, Fang; Liu, Jin-Mei; Tao, Li-Ming; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 1   期: 20   页: 6130-6133   出版年: 2013

第 116 条，共 144 条

[Graphene-related nanomaterials: tuning properties by functionalization](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=236)

作者: Tang, Qing; Zhou, Zhen; Chen, Zhongfang

来源出版物NANOSCALE   卷: 5   期: 11   页: 4541-4583   出版年: 2013

第 117 条，共 144 条

[Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on nitrogen doped porous carbon nanopolyhedra](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=238)

作者: Gai, Pengbo; Zhang, Hejing; Zhang, Yunsong; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY B   卷: 1   期: 21   页: 2742-2749   出版年: 2013

第 118 条，共 144 条

[Microscopic effects of the bonding configuration of nitrogen-doped graphene on its reactivity toward hydrogen peroxide reduction reaction](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=24&doc=239)

作者: Wu, Ping; Du, Pan; Zhang, Hui; 等.

来源出版物PHYSICAL CHEMISTRY CHEMICAL PHYSICS   卷: 15    页: 6920-6928   出版年: 2013

第 119 条，共 144 条

[Recent progress in graphene-based nanomaterials as advanced electrocatalysts towards oxygen reduction reaction](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=25&doc=241)

作者: Zhu, Chengzhou; Dong, Shaojun

来源出版物NANOSCALE   卷: 5   期: 5   页: 1753-1767   出版年: 2013

第 120 条，共 144 条

[Synthesis and characterization of nitrogen-doped graphene hydrogels by hydrothermal route with urea as reducing-doping agents](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=25&doc=243)

作者: Guo, Hui-Lin; Su, Peng; Kang, Xiaofeng; 等.

来源出版物JOURNAL OF MATERIALS CHEMISTRY A   卷: 1   期: 6   页: 2248-2255   出版年: 2013

第 121 条，共 144 条

[Review on Lithium-Air Batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=25&doc=245)

作者: Zhang Dong; Zhang Cunzhong; Mu Daobin; 等.

来源出版物PROGRESS IN CHEMISTRY   卷: 24   期: 12   页: 2472-2482   出版年: DEC 24 2012

第 122 条，共 144 条

[The doping of reduced graphene oxide with nitrogen and its effect on the quenching of the material's photoluminescence](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=25&doc=249)

作者: Li, Ming; Wu, Zhongshuai; Ren, Wencai; 等.

来源出版物CARBON   卷: 50   期: 14   页: 5286-5291   出版年: NOV 2012

第 123条，共 144 条

[One step synthesis of Fe2O3/nitrogen-doped graphene composite as anode materials for lithium ion batteries](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=26&doc=251)

作者: Du, Meng; Xu, Chaohe; Sun, Jing; 等.

来源出版物ELECTROCHIMICA ACTA   卷: 80   页: 302-307   出版年: OCT 1 2012

第 124 条，共 144 条

[Graphene based catalysts](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=26&doc=252)

作者: Huang, Cancan; Li, Chun; Shi, Gaoquan

来源出版物ENERGY & ENVIRONMENTAL SCIENCE   卷: 5   期: 10   页: 8848-8868   出版年: OCT 2012

第 125 条，共 144 条

[Synthesis and upconversion luminescence of N-doped graphene quantum dots](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=26&doc=253)

作者: Li, Ming; Wu, Wenbin; Ren, Wencai; 等.

来源出版物APPLIED PHYSICS LETTERS   卷: 101   期: 10     文献号: 103107   出版年: SEP 3 2012

第 126条，共 144 条

[Density Functional Theory Study of IB Metals Binding to Perfect and N-Doped Graphene](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=26&doc=254)

作者: Yin Wei; Lin Huaxiang; Zhang Yongfan; 等.

来源出版物CHINESE JOURNAL OF CATALYSIS   卷: 33   期: 9   页: 1578-1585   出版年: SEP 2012

第 127 条，共 144 条

[Combustion synthesis of graphene oxide-TiO2 hybrid materials for photodegradation of methyl orange](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=3&SID=2BOkgfeDxcljtWsCXdC&page=26&doc=255)

作者: Gao, Yanyan; Pu, Xipeng; Zhang, Dafeng; 等.

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