大连化物所科技论文奖励申报表

（百次引用论文奖）

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **论文题目** | Novel Ni catalysts for methane decomposition to hydrogen and carbon nanofibers | | | | |
| **作者（英文）** | [Li, Y](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=N1djmCWhLYbcHoODFVs&author_name=Li,%20Y&dais_id=15837479&excludeEventConfig=ExcludeIfFromFullRecPage)(Li, Y);[Zhang, BC](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=N1djmCWhLYbcHoODFVs&author_name=Zhang,%20BC&dais_id=907066&excludeEventConfig=ExcludeIfFromFullRecPage)(Zhang, BC);[Xie, XW](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=N1djmCWhLYbcHoODFVs&field=AU&value=Xie,%20XW)(Xie, XW);[Liu, JL](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=N1djmCWhLYbcHoODFVs&field=AU&value=Liu,%20JL)(Liu, JL);[Xu, YD](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=N1djmCWhLYbcHoODFVs&author_name=Xu,%20YD&dais_id=972117&excludeEventConfig=ExcludeIfFromFullRecPage)(Xu, YD);[Shen, WJ](http://apps.webofknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&colName=WOS&SID=N1djmCWhLYbcHoODFVs&author_name=Shen,%20WJ&dais_id=1360253&excludeEventConfig=ExcludeIfFromFullRecPage)(Shen, WJ) | | | | |
| **作者（中文）** | 李勇，张保才，谢晓伟，刘俊龙，徐奕德，申文杰 | | | | |
| **期刊名称** | JOURNAL OF CATALYSIS | | | | |
| **发表日期** | MAR 10 2006 | **卷** | 238 | **起止页码** | 412-424 |
| **总引用次数** | 110 | | | **他引次数** | 107 |
| **填表人** | 我保证填写内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **通讯作者** | 我保证申报内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **研究组长** | 我已按管理办法和申报说明对申报内容进行了审核，保证申报内容的真实性，若填报失实和违反管理办法，本人将承担全部责任。  **签字 年 月 日** | | | | |

说明：1、申请本年度百次引用论文奖的论文发表时间为2006-2015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2015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63条

标题: Direct decomposition of methane over Pd promoted Ni/SBA-15 catalysts

作者: Pudukudy, Manoj; Yaakob, Zahira; Akmal, ZubairShamsul

来源出版物:APPLIED SURFACE SCIENCE卷: 353页: 127-136出版年: OCT 30 2015

第 2 条，共63条

标题: Effects of Mn on the magnetic and optical properties and photocatalytic activities of NiO nanoparticles synthesized via the simple precipitation process

作者: Anandan, K.; Rajendran, V.

来源出版物:MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS卷: 199页: 48-56出版年: SEP 2015

第3条，共63条

标题: Effect of pyrolysis temperature on the properties of carbon/nickel nanocomposites prepared by sol-gel method

作者: Ben Mansour, N.; Najeh, I.; Mansouri, S.; 等.

来源出版物:APPLIED SURFACE SCIENCE卷: 337页: 158-165出版年: MAY 15 2015

第4 条，共63条

标题: Methane decomposition over Ni, Co and Fe based monometallic catalysts supported on sol gel derived SiO2 microflakes

作者: Pudukudy, Manoj; Yaakob, Zahira

来源出版物:CHEMICAL ENGINEERING JOURNAL卷: 262页: 1009-1021出版年: FEB 15 2015

第5 条，共63条

标题: Activation of Methane on NiO Nanoparticles with Different Morphologies

作者: Martins, Ruth L.; Schmal, Martin

来源出版物:JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY卷: 25期: 12特刊: SI页: 2399-2408 出版年: DEC 2014

第6 条，共63条

标题: Preparation of highly stable bimetallic Ni-Cu catalyst for simultaneous production of hydrogen and fish-bone carbon nanofibers: Optimization, effect of catalyst preparation methods and deactivation

作者: Izadi, Nosrat; Rashidi, Ali Morad; Zeraatkar, Ahmad; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 39期: 15页: 7765-7779出版年: MAY 15 2014

第 7条，共63条

标题: H-2 production from oxidative steam reforming of 1-propanol and propylene glycol over yttria-stabilized supported bimetallic Ni-M (M = Pt, Ru, Ir) catalysts

作者: Yerman, Luis; Homs, Narcis; Brum Pereira, Evandro; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 39期: 10页: 5225-5233出版年: MAR 26 2014

第8条，共63条

标题: Highly Coke-Resistant Ni Nanoparticle Catalysts with Minimal Sintering in Dry Reforming of Methane

作者: Han, Joung Woo; Kim, Chanyeon; Park, Jun Seong; 等.

来源出版物:CHEMSUSCHEM卷: 7页: 451-456出版年: FEB 2014

第9条，共63条

标题: Oxidative steam reforming of bio-butanol for hydrogen production: effects of noble metals on bimetallic CoM/ZnO catalysts (M = Ru, Rh, Ir, Pd)

作者: Cai, Weijie; Ramirez de la Piscina, Pilar; Homs, Narcis

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 145页: 56-62出版年: FEB 2014

第 10 条，共63条

标题: Microwave synthesis, optical properties and surface area studies of NiO nanoparticles

作者: Al-Sehemi, Abdullah G.; Al-Shihri, Ayed S.; Kalam, Abul; 等.

来源出版物:JOURNAL OF MOLECULAR STRUCTURE卷: 1058页: 56-61出版年: JAN 24 2014

第 11 条，共63条

标题: Characteristics of La-modified Ni-Al2O3 and Ni-SiO2 catalysts for COx-free hydrogen production by catalytic decomposition of methane

作者: Anjaneyulu, Chatla; Kumar, Velisoju Vijay; Bhargava, Suresh K.; 等.

来源出版物:JOURNAL OF ENERGY CHEMISTRY卷: 22期: 6页: 853-860出版年: NOV 2013

第 12 条，共63条

标题: Precursors of active Ni species in Ni/Al2O3 catalysts for oxidative dehydrogenation of ethane

作者: Smolakova, Lucie; Botkova, Sarka; Capek, Libor; 等.

来源出版物:CHINESE JOURNAL OF CATALYSIS卷: 34期: 10页: 1905-1913出版年: OCT 2013

第 13 条，共63条

标题: Effect of Metal-Support Interface During CH4 and H-2 Dissociation on Ni/gamma-Al2O3: A Density Functional Theory Study

作者: Li, Jingde; Croiset, Eric; Ricardez-Sandoval, Luis

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 117页: 16907-16920出版年: AUG 22 2013

第 14 条，共63条

标题: Synthesis and characterization of Ni/Ce-SiO2 and Co/Ce-TiO2 catalysts for methane decomposition

作者: Tapia-Parada, Karina; Valverde-Aguilar, Guadalupe; Mantilla, Angeles; 等.

来源出版物:FUEL卷: 110页: 70-75出版年: AUG 2013

第 15 条，共63条

标题: Hierarchically porous nickel/carbon composite monoliths prepared by sol-gel method from an ionic precursor

作者: Kido, Yasuki; Nakanishi, Kazuki; Okumura, Nao; 等.

来源出版物:MICROPOROUS AND MESOPOROUS MATERIALS卷: 176页: 64-70出版年: AUG 2013

第 16 条，共63条

标题: Synthesis of hydrogen and carbon nanotubes over copper promoted Ni/SiO2 catalyst by thermocatalytic decomposition of methane

作者: Saraswat, Sushil Kumar; Pant, K. K.

来源出版物:JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING卷: 13页: 52-59出版年: JUL 2013

第 17 条，共63条

标题: Effects of PVP on the preparation of nanosized Al2O3 supported Ni catalysts by polyol method for catalytic partial oxidation of methane

作者: Bayrakdar, Ezgi; Altincekic, Tuba Gurkaynak; Oksuzomer, M. Ali Faruk

来源出版物:FUEL PROCESSING TECHNOLOGY卷: 110页: 167-175出版年: JUN 2013

第 18 条，共63条

标题: MgAl2O4 spinel particles prepared by metal-chitosan complexation route and used as catalyst support for direct decomposition of methane

作者: Nuernberg, Giselle B.; Foletto, Edson L.; Probst, Luiz F. D.; 等.

来源出版物:JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL卷: 370页: 22-27出版年: APR 2013

第 19 条，共63条

标题: Decomposition of methane over unsupported porous nickel and alloy catalyst

作者: Lua, Aik Chong; Wang, Hong Yan

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 132页: 469-478出版年: MAR 27 2013

第20 条，共63条

标题: Development of Metallic Nickel Nanoparticle Catalyst for the Decomposition of Methane into Hydrogen and Carbon Nanofibers

作者: Wang, Hong Yan; Lua, Aik Chong

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 116页: 26765-26775出版年: DEC 27 2012

第 21条，共63条

标题: MesoporousNiOnanomagnets as catalysts and separators of chemical agents

作者: Khairy, Mohamed; El-Safty, Sherif A.; Ismael, Mohamed; 等.

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 127页: 1-10出版年: OCT 30 2012

第22 条，共63条

标题: Morphology control of nickel oxide nanowires

作者: Sekiya, Kaname; Nagato, Keisuke; Hamaguchi, Tetsuya; 等.

来源出版物:MICROELECTRONIC ENGINEERING卷: 98页: 532-535出版年: OCT 2012

第23条，共63条

标题: Partial oxidation of methane to syngas on bulk NiAl2O4 catalyst. Comparison with alumina supported nickel, platinum and rhodium catalysts

作者: Lopez-Fonseca, Ruben; Jimenez-Gonzalez, Cristina; de Rivas, Beatriz; 等.

来源出版物:APPLIED CATALYSIS A-GENERAL卷: 437页: 53-62出版年: SEP 26 2012

第24 条，共63条

标题: Multidirectional porous NiOnanoplatelet-like mosaics as catalysts for green chemical transformations

作者: El-Safty, Sherif A.; Khairy, Mohamed; Ismael, Mohamd; 等.

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 123页: 162-173出版年: JUL 23 2012

第25条，共63条

标题: LaNiO3 as a precursor of Ni/La2O3 for CO2 reforming of CH4: Effect of the presence of an amorphous NiO phase

作者: Pereniguez, Rosa; Gonzalez-delaCruz, Victor M.; Caballero, Alfonso; 等.

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 123页: 324-332出版年: JUL 23 2012

第26 条，共63条

标题: Hydrogen production by methane cracking using Ni-supported catalysts in a fluidized bed

作者: Amin, Ashraf M.; Croiset, Eric; Malaibari, Zuhair; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 37期: 14页: 10690-10701 出版年: JUL 2012

第27 条，共63条

标题: Methane cracking using Ni supported on porous and non-porous alumina catalysts

作者: Amin, Ashraf M.; Croiset, Eric; Constantinou, Crystle; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 37期: 11页: 9038-9048 出版年: JUN 2012

第28条，共63条

标题: Hydrogen production from oxidative steam-reforming of n-propanol over Ni/Y2O3-ZrO2 catalysts

作者: Yerman, Luis; Homs, Narcis; Ramirez de la Piscina, Pilar

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 37期: 8页: 7094-7100出版年: APR 2012

第29 条，共63条

标题: Hydrogen production from the steam reforming of bio-butanol over novel supported Co-based bimetallic catalysts

作者: Cai, Weijie; Ramirez de la Piscina, Pilar; Homs, Narcis

来源出版物:BIORESOURCE TECHNOLOGY卷: 107页: 482-486出版年: MAR 2012

第 30 条，共63条

标题: In Situ XAS Study of Synergic Effects on Ni-Co/ZrO2 Methane Reforming Catalysts

作者: Gonzalez-delaCruz, Victor M.; Pereniguez, Rosa; Ternero, Fatima; 等.

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 116期: 4页: 2919-2926出版年: FEB 2 2012

第 31 条，共63条

标题: Hierarchical NiO hollow microspheres: electrochemical and magnetic properties

作者: Cha, Hyun Gil; Sohn, Jong Hwa; Park, Youngjin; 等.

来源出版物:RSC ADVANCES卷: 2期: 26页: 9786-9790出版年: 2012

第 32 条，共63条

标题: Tannic acid assisted one step synthesis route for stable colloidal dispersion of nickel nanostructures

作者: Dutta, Anamika; Dolui, Swapan K.

来源出版物:APPLIED SURFACE SCIENCE卷: 257期: 15页: 6889-6896出版年: MAY 15 2011

第 33 条，共63条

标题: Correlation between the characteristics of multi-wall carbon nanotubes and the structure of the metal oxides used as catalytic precursors for their production

作者: Kuras, M.; Petit, P.; Petit, C.

来源出版物:CARBON卷: 49期: 4页: 1453-1461出版年: APR 2011

第34条，共63条

标题: Modifying the Size of Nickel Metallic Particles by H-2/CO Treatment in Ni/ZrO2 Methane Dry Reforming Catalysts

作者: Gonzalez-Delacruz, Victor M.; Pereniguez, Rosa; Temero, Fatima; 等.

来源出版物:ACS CATALYSIS卷: 1期: 2页: 82-88出版年: FEB 2011

第 35条，共63条

标题: Effect of Ca, Ce or K oxide addition on the activity of Ni/SiO2 catalysts for the methane decomposition reaction

作者: Zapata, Beatriz; Valenzuela, Miguel A.; Palacios, Jorge; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 35页: 12091-12097出版年: NOV 2010

第36条，共63条

标题: Methane decomposition catalysts for COx-free hydrogen production

作者: Ashok, Jangam; Reema, Sarkari; Anjaneyulu, Chatla; 等.

来源出版物:REVIEWS IN CHEMICAL ENGINEERING卷: 26页: 29-39出版年: OCT 2010

第 37 条，共63条

标题: Hydrogen production via methane decomposition on Raney-type catalysts

作者: Figueiredo, J. L.; Orfao, J. J. M.; Cunha, A. F.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 35页: 9795-9800出版年: SEP 2010

第 38条，共63条

标题: Production of hydrogen and MWCNTs by methane decomposition over catalysts originated from LaNiO3 perovskite

作者: Sierra Gallego, German; Barrault, Joel; Batiot-Dupeyrat, Catherine; 等.

会议: 21st Ibero American Catalysis Symposium 会议地点: Malaga, SPAIN 会议日期: 2008

来源出版物:CATALYSIS TODAY卷: 149页: 365-371出版年: JAN 30 2010

第 39 条，共63条

标题: Transient study of the dry reforming of methane over Pt supported on different gamma-Al2O3

作者: Garcia-Dieguez, M.; Pieta, I. S.; Herrera, M. C.; 等.

会议: 21st Ibero American Catalysis Symposium 会议地点: Malaga, SPAIN 会议日期: 2008

来源出版物:CATALYSIS TODAY卷: 149页: 380-387出版年: JAN 30 2010

第 40条，共63条

标题: Low-temperature catalytic decomposition of ethylene into H-2 and secondary carbon nanotubes over Ni/CNTs

作者: Savva, P. G.; Polychronopoulou, K.; Ryzkov, V. A.; 等.

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 93页: 314-324出版年: JAN 12 2010

第41条，共63条

标题: Catalytic Effects at Pyrolysis of Wheat Grains Impregnated with Nickel Salts

作者: Dobre, Tanase; Parvulescu, Oana C.; Iavorschi, Gustav; 等.

来源出版物:INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING卷: 8文献号: A103出版年: 2010

第 42 条，共63条

标题: Block copolymer mediated stabilization of sub-5 nm superparamagnetic nickel nanoparticles in an aqueous medium

作者: Bala, Tanushree; Gunning, Robert Denis; Venkatesan, Munuswamy; 等.

来源出版物:NANOTECHNOLOGY卷: 20文献号: 415603出版年: OCT 14 2009

第 43条，共63条

标题: The graphitization of carbon nanofibers produced by the catalytic decomposition of natural gas

作者: Garcia, A. B.; Camean, I.; Suelves, I.; 等.

来源出版物:CARBON卷: 47页: 2563-2570出版年: SEP 2009

第 44 条，共63条

标题: Probing the structural, crystalline, and electrical properties of carbon nanotubes grown on nickel filled carbon nanofibers

作者: Zhang, Hongxin; Feng, Peter X.; Jin, Peng; 等.

来源出版物:APPLIED PHYSICS LETTERS卷: 95文献号: 061906出版年: AUG 10 2009

第 45条，共63条

标题: Decomposition of hydrocarbons to hydrogen and carbon

作者: Ahmed, Shakeel; Aitani, Abdullah; Rahman, Faizur; 等.

来源出版物:APPLIED CATALYSIS A-GENERAL卷: 359页: 1-24出版年: MAY 15 2009

第 46条，共63条

标题: Expanded graphite as a support for Ni/carbon composites

作者: Afanasov, I. M.; Shornikova, O. N.; Avdeev, V. V.; 等.

来源出版物:CARBON卷: 47页: 513-518出版年: FEB 2009

第 47条，共63条

标题: Catalysts of methane pyrolysis: Pretreatment and study of Fechral support

作者: Sigaeva, S. S.; Tsyrul'nikov, P. G.; Shlyapin, D. A.; 等.

来源出版物:RUSSIAN JOURNAL OF APPLIED CHEMISTRY卷: 82页: 307-311出版年: FEB 2009

第48 条，共63条

标题: MEDUSA-LIKE CARBON NANOTUBES FORMED DURING DRY METHANE REFORMING ON ACTIVATED CARBON-SUPPORTED Ni-Ca CATALYST

作者: Matos, J.; Rosales, M.; Urbina de Navarro, C.; 等.

来源出版物:ACTA MICROSCOPICA卷: 18页: 322-332出版年: 2009

第49 条，共63条

标题: Growth of filamentous carbon by decomposition of ethanol on nickel foam: Influence of synthesis conditions and catalytic nanoparticles on growth yield and mechanism

作者: Jeong, Namjo; Lee, Junghoon

来源出版物:JOURNAL OF CATALYSIS卷: 260页: 217-226出版年: DEC 10 2008

第 50 条，共63条

标题: NiO Nanostructured Honeycomb Realized by Annealing Ni Film Deposited on Silicon

作者: Zhang, Kaili; Rossi, Carole; Alphonse, Pierre; 等.

来源出版物:JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY卷: 8页: 5903-5907出版年: NOV 2008

第 51条，共63条

标题: Nanoparticles of iron and vanadium oxides supported on iron substituted LDHs: Synthesis, textural characterization and their catalytic behavior in ethylbenzene dehydrogenation

作者: Carja, Gabriela; Kameshima, Yoshikazu; Okada, Kiyoshi

来源出版物:MICROPOROUS AND MESOPOROUS MATERIALS卷: 115页: 541-547出版年: NOV 1 2008

第 52 条，共63条

标题: H-2 production from CH4 decomposition: Regeneration capability and performance of nickel and rhodium oxide catalysts

作者: Rivas, M. E.; Hori, C. E.; Fierro, J. L. G.; 等.

来源出版物:JOURNAL OF POWER SOURCES卷: 184页: 265-275出版年: SEP 15 2008

第 53条，共63条

标题: Development of Methane Decomposition Catalysts for COx Free Hydrogen

作者: Ashok, Jangam; Subrahmanyam, Machiraju; Venugopal, Akula

来源出版物:CATALYSIS SURVEYS FROM ASIA卷: 12页: 229-237出版年: SEP 2008

第 54 条，共63条

标题: Preparation of nickel nanoparticles and their catalytic activity in the cracking of methane

作者: Carlos De Jesus, Juan; Gonzalez, Ismael; Garcia, Miguel; 等.

会议: 54th AVS International Symposium and Exhibition 会议地点: Seattle, WA 会议日期: OCT 14-19, 2007

会议赞助商: AVS

来源出版物:JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A卷: 26页: 913-918出版年: JUL-AUG 2008

第 55 条，共63条

标题: Hydrotalcite structure derived Ni-Cu-Al catalysts for the production of H-2 by CH4 decomposition

作者: Ashok, Jangam; Subrahmanyam, Machiraju; Venugopal, Akula

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 33页: 2704-2713出版年: JUN 2008

第 56 条，共63条

标题: Catalytic decomposition of CH(4) over Ni-Al(2)O(3)-SiO(2) catalysts: Influence of pretreatment conditions for the production of H(2)

作者: Ashok, Jangam; Raju, Gangadhara; Reddy, Padigapati Shiva; 等.

来源出版物:JOURNAL OF NATURAL GAS CHEMISTRY卷: 17页: 113-119出版年: JUN 2008

第 57 条，共63条

标题: Synthesis of NiOnanowalls by thermal treatment of Ni film deposited onto a stainless steel substrate

作者: Zhang, Kaili; Rossi, Carole; Alphonse, Pierre; 等.

来源出版物:NANOTECHNOLOGY卷: 19文献号: 155605出版年: APR 16 2008

第 58条，共63条

标题: Thermogravimetric studies of carbon nanofiber formation from methane at low temperature over Ni-based skeletal catalysts and the effect of substrate pre-carburization

作者: Highfield, James; Loo, Yook Si; Zhong, Ziyi; 等.

来源出版物:CARBON卷: 45页: 2597-2607出版年: NOV 2007

第 59条，共63条

标题: Carbon formation and its influence on ethanol steam reforming over Ni/Al2O3 catalysts

作者: Alberton, Andre L.; Souza, Mariana M. V. M.; Schmal, Martin

来源出版物:CATALYSIS TODAY卷: 123页: 257-264出版年: MAY 30 2007

第 60 条，共63条

标题: Thermodynamic possibilities and constraints of pure hydrogen production by a chromium, nickel, and manganese-based chemical looping process at lower temperatures

作者: Svoboda, K.; Siewiorek, A.; Baxter, D.; 等.

来源出版物:CHEMICAL PAPERS卷: 61页: 110-120出版年: APR 2007

第 61条，共63条

标题: Assembly of phase transferred nickel nanoparticles at air-water interface using Langmuir-Blodgett technique

作者: Bala, Tanushree; Joshi, Bhagyashree; Iyer, Neelima; 等.

来源出版物:JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY卷: 6页: 3736-3745出版年: DEC 2006

第 62条，共63条

标题: Methane Decomposition on La(2)O(3)-Promoted Raney-Type Fe Catalysts

作者: Cunha, A. F.; Mahata, N.; Orfao, J. J. M.; 等.

来源出版物:ENERGY & FUELS卷: 23页: 4047-4050出版年: AUG 2009

第 63条，共63条

标题: Novel supports for nickel-based catalysts for the partial oxidation of methane

作者: Berrocal, Guillermo Paternina; Da Silva, Andre L. M.; Assaf, Jose M.; 等.

会议: 21st Ibero American Catalysis Symposium 会议地点: Malaga, SPAIN 会议日期: 2008

来源出版物:CATALYSIS TODAY卷: 149页: 240-247出版年: JAN 30 2010

**二、引用论文第一产权单位为国内机构**

第 1 条，共44条

标题: Ceria-promoted Ni/SBA-15 catalysts for ethanol steam reforming with enhanced activity and resistance to deactivation

作者: Li, Di; Zeng, Liang; Li, Xinyu; 等.

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTA卷: 176 页: 532-541出版年: OCT 2015

第 2条，共44条

标题: Characterization and catalytic application of Bi2O3/NiO composite oxides in the Reppecarbonylation to acrylic acid

作者: Lin, Tie Jun; Xie, Hao; Meng, Xuan; 等.

来源出版物:CATALYSIS COMMUNICATIONS卷: 68页: 88-92出版年: AUG 5 2015

第 3 条，共44条

标题: Coking resistant Ni/ZrO2@SiO2 catalyst for the partial oxidation of methane to synthesis gas

作者: Ding, Chuanmin; Ai, Ganggang; Zhang, Kan; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 40页: 6835-6843出版年: JUN 8 2015

第4 条，共44条

标题: Synthesis of magnetically recyclable Fe3O4@NiO nanostructures for styrene epoxidation and adsorption application

作者: Li, Tianyong; Yang, Chao; Rao, Xuehui; 等.

来源出版物:CERAMICS INTERNATIONAL卷: 41页: 2214-2220子辑: A出版年: MAR 2015

第 5条，共44条

标题: Methane decomposition using Ni-Cu alloy nano-particle catalysts and catalyst deactivation studies

作者: Wang, Hong Yan; Lua, Aik Chong

来源出版物:CHEMICAL ENGINEERING JOURNAL卷: 262页: 1077-1089出版年: FEB 15 2015

第 6条，共44条

标题: Flower-like NiO nanostructures synthesized by electrodeposition method for efficient detection of toluene gas

作者: Yuan, Chaoxin; Li, Hairong; Xie, Longzhen; 等.

来源出版物:RSC ADVANCES卷: 5 页: 92128-92133出版年: 2015

第 7 条，共44条

标题: Effects of surface states over core-shell Ni@SiO2 catalysts on catalytic partial oxidation of methane to synthesis gas

作者: Ding, Chuanmin; Gao, Xiaofeng; Han, Yulin; 等.

来源出版物:JOURNAL OF ENERGY CHEMISTRY卷: 24页: 45-53出版年: JAN 2015

第 8 条，共44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 9条，共44条

标题: Controlled one-step synthesis of spiky polycrystalline nickel nanowires with enhanced magnetic properties

作者: Li, Zhongli; Su, Yanjie; Liu, Yijian; 等.

来源出版物:CRYSTENGCOMM卷: 16页: 8442-8448出版年: SEP 28 2014

第 10 条，共44条

标题: Hydrogen production by catalytic decomposition of methane over Ni-Cu-Co alloy particles

作者: Lua, Aik Chong; Wang, Hong Yan

来源出版物:APPLIED CATALYSIS B-ENVIRONMENTAL卷: 156页: 84-93出版年: SEP 2014

第 11 条，共44条

标题: Methane activation: the past and future

作者: Tang, Pei; Zhu, Qingjun; Wu, Zhaoxuan; 等.

来源出版物:ENERGY & ENVIRONMENTAL SCIENCE卷: 7页: 2580-2591出版年: AUG 2014

第 12 条，共44条

标题: Unsupported Nickel Catalysts for Methane Catalytic Decomposition into Pure Hydrogen

作者: Zhou, Lu; Guo, Yu; Hideo, Kameyam

来源出版物:AICHE JOURNAL卷: 60页: 2907-2917出版年: AUG 2014

第 13 条，共44条

标题: Synthesis of multi-walled carbon nanotubes over tungsten-doped cobalt-based catalyst derived from a layered double hydroxide precursor

作者: Lan, Meng; Fan, Guoli; Chen, Qilong; 等.

来源出版物:JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY卷: 20页: 1523-1531 出版年: JUL 25 2014

第 1 4条，共44条

标题: Yolk-Satellite-Shell Structured Ni-Yolk@Ni@SiO2 Nanocomposite: Superb Catalyst toward Methane CO2 Reforming Reaction

作者: Li, Ziwei; Mo, Liuye; Kathiraser, Yasotha; 等.

来源出版物:ACS CATALYSIS卷: 4 页: 1526-1536出版年: MAY 2014

第 1 5条，共44条

标题: High-performance gas-sensing properties of octahedral NiO crystals prepared via one-step controllable synthesis route

作者: Lv, Yaohui; Huang, Kai; Zhang, Wei; 等.

来源出版物:CRYSTAL RESEARCH AND TECHNOLOGY卷: 49 页: 109-115出版年: MAR 2014

第 16条，共44条

标题: The Properties of Individual Carbon Residuals and Their Influence on The Deactivation of Ni-CaO-ZrO2 Catalysts in CH4 Dry Reforming

作者: Wang, Changzhen; Sun, Nannan; Zhao, Ning; 等.

来源出版物:CHEMCATCHEM卷: 6页: 640-648出版年: FEB 2014

第 17 条，共44条

标题: Highly Active and Stable Lanthanum-doped Core-Shell-structured Ni@SiO2 Catalysts for the Partial Oxidation of Methane to Syngas

作者: Li, Lei; Yao, Yao; Sun, Bo; 等.

来源出版物:CHEMCATCHEM 卷: 5页: 3781-3787 出版年: DEC 2013

第 18条，共44条

标题: Production of Hydrogen and Nanocarbon from Catalytic Decomposition of Methane over a Ni-Fe/Al2O3 Catalyst

作者: Wang, Gaowei; Jin, Yi; Liu, Guojuan; 等.

来源出版物:ENERGY & FUELS 卷: 27页: 4448-4456 出版年: AUG 2013

第 19 条，共44条

标题: Ni doped carbons for hydrogen production by catalytic methane decomposition

作者: Zhang, Jianbo; Jin, Lijun; Li, Yang; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 38页: 3937-3947出版年: APR 1 2013

第 20条，共44条

标题: Fabrication of the Eosin Y-MWNTs-NiOPhotocatalytic System and Its Photocatalytic Activity for H-2 Evolution from Water

作者: Mu Jin; Chen Li-Li; Kang Shi-Zhao; 等.

来源出版物:CHEMICAL JOURNAL OF CHINESE UNIVERSITIES-CHINESE卷: 33页: 2080-2084出版年: SEP 10 2012

第 21 条，共44条

标题: Nanocomposite Ni/ZrO2: Highly active and stable catalyst for H-2 production via cyclic stepwise methane reforming reactions

作者: Zheng, Wen-Tao; Sun, Ke-Qiang; Liu, Hong-Mei; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 37页: 11735-11747出版年: AUG 2012

第22 条，共44条

标题: Novel NiOnanodisks and hollow nanodisks derived from Ni(OH)(2) nanostructures and their catalytic performance in epoxidation of styrene

作者: Ren, Shutong; Yang, Chao; Sun, Chao; 等.

来源出版物:MATERIALS LETTERS卷: 80页: 23-25出版年: AUG 1 2012

第23 条，共44条

标题: Ni-SiO2 and Ni-Fe-SiO2 catalysts for methane decomposition to prepare hydrogen and carbon filaments

作者: Wang, Wenhua; Wang, Heyi; Yang, Yong; 等.

来源出版物:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY卷: 37页: 9058-9066出版年: JUN 2012

第24 条，共44条

标题: Fine-tunable Ni@porous silica core-shell nanocatalysts: Synthesis, characterization, and catalytic properties in partial oxidation of methane to syngas

作者: Li, Lei; He, Shengchao; Song, Yanyan; 等.

来源出版物:JOURNAL OF CATALYSIS卷: 288页: 54-64出版年: APR 2012

第25 条，共44条

标题: Nickel-Silicon Intermetallics with Enhanced Selectivity in Hydrogenation Reactions of Cinnamaldehyde and Phenylacetylene

作者: Chen, Xiao; Li, Miao; Guan, Jingchao; 等.

来源出版物:INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH卷: 51页: 3604-3611出版年: MAR 7 2012

第 26条，共44条

标题: Structural and electrochemical properties of nanostructured nickel silicides by reduction and silicification of high-surface-area nickel oxide

作者: Chen, Xiao; Zhang, Bingsen; Li, Chuang; 等.

来源出版物:MATERIALS RESEARCH BULLETIN卷: 47页: 867-877出版年: MAR 2012

第27 条，共44条

标题: Hierarchical NiO hollow microspheres assembled from nanosheet-stacked nanoparticles and their application in a gas sensor

作者: Zhu, Guoxing; Xi, Chunyan; Xu, Huan; 等.

来源出版物:RSC ADVANCES 卷: 2页: 4236-4241出版年: 2012

第28 条，共44条

标题: Synthesis of a novel NiO tube with porous surface constructed by nanoworms

作者: Qiu, Yejun; Yu, Jie; Tan, Cuili; 等.

来源出版物:MICRO & NANO LETTERS卷: 7页: 56-59出版年: JAN 2012

第29条，共44条

标题: Electrolytic approach towards the controllable synthesis of symmetric, hierarchical, and highly ordered nickel dendritic crystals

作者: Wang, Jian; Wei, Liangming; Zhang, Liying; 等.

来源出版物:CRYSTENGCOMM卷: 14页: 1629-1636出版年: 2012

第30条，共44条

标题: Synthesis and catalysis properties of NiO flower-like spheres and nanosheets: Water-induced phase transformation of nickel hydroxides

作者: Liang, Xin; Xiao, Junjia; Gou, Ye; 等.

来源出版物:JOURNAL OF MATERIALS RESEARCH卷: 26页: 3091-3097出版年: DEC 2011

第 31 条，共44条

标题: Influences of reaction conditions on methane decomposition over non-supported Ni catalyst

作者: Zhang, Wei; Ge, Qingjie; Xu, Hengyong

来源出版物:JOURNAL OF NATURAL GAS CHEMISTRY卷: 20 页: 339-344出版年: JUL 2011

第 32 条，共44条

标题: Methanation of syngas over coral reef-like Ni/Al2O3 catalysts

作者: Ma, Shengli; Tan, Yisheng; Han, Yizhuo

来源出版物:JOURNAL OF NATURAL GAS CHEMISTRY卷: 20 页: 435-440出版年: JUL 2011

第33条，共44条

标题: Methane decomposition to COx-free hydrogen and nano-carbon material on group 8-10 base metal catalysts: A review

作者: Li, Yongdan; Li, Douxing; Wang, Gaowei

来源出版物:CATALYSIS TODAY 卷: 162页: 1-48出版年: MAR 29 2011

第 34条，共44条

标题: Lotus-root-like NiOnanosheets and flower-like NiO microspheres: synthesis and magnetic properties

作者: Cui, Yinfang; Wang, Cong; Wu, Sujuan; 等.

来源出版物:CRYSTENGCOMM 卷: 13页: 4930-4934出版年: 2011

第 35条，共44条

标题: Influence of Nickel Precursors on Catalytic Activity of Non-supported Ni for Methane Decomposition

作者: Zhang Wei; GeQingjie; XuHengyong

来源出版物:CHINESE JOURNAL OF CATALYSIS卷: 31页: 1358-1362出版年: NOV 2010

第 36条，共44条

标题: A Template and Catalyst-Free Metal-Etching-Oxidation Method to Synthesize Aligned Oxide Nanowire Arrays: NiO as an Example

作者: Wei, ZhiPeng; Arredondo, Miryam; Peng, Hai Yang; 等.

来源出版物:ACS NANO卷: 4页: 4785-4791出版年: AUG 2010

第37 条，共44条

标题: Aqueous hydrogenolysis of glycerol over Ni-Ce/AC catalyst: Promoting effect of Ce on catalytic performance

作者: Yu, Weiqiang; Zhao, Jing; Ma, Hong; 等.

来源出版物:APPLIED CATALYSIS A-GENERAL卷: 383页: 73-78出版年: JUL 31 2010

第38条，共44条

标题: Influences of Precipitate Rinsing Solvents on Ni Catalyst for Methane Decomposition to CO2-free Hydrogen

作者: Zhang, W.; Ge, Qingjie; Xu, Hengyong

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY A卷: 114页: 3818-3823出版年: MAR 25 2010

第 39条，共44条

标题: A remarkable enhancement of catalytic activity for KBH4 treating the carbothermal reduced Ni/AC catalyst in glycerol hydrogenolysis

作者: Yu, Weiqiang; Xu, Jie; Ma, Hong; 等.

来源出版物:CATALYSIS COMMUNICATIONS卷: 11页: 493-497出版年: JAN 25 2010

第 40条，共44条

标题: Study on the synthesis of carbon fibers and CNF using potassium iodide catalyst

作者: Jia, Mingming; Zhang, Yongheng

来源出版物:MATERIALS LETTERS卷: 63页: 2111-2114出版年: OCT 15 2009

第 41 条，共44条

标题: Hydrothermal synthesis of beta-nickel hydroxide nanocrystalline thin film and growth of oriented carbon nanofibers

作者: Zhang, Enlei; Tang, Yuanhong; Zhang, Yong; 等.

来源出版物:MATERIALS RESEARCH BULLETIN卷: 44页: 1765-1770出版年: AUG 5 2009

第 42 条，共44条

标题: Facile synthesis and hierarchical assembly of hollow nickel oxide architectures bearing enhanced photocatalytic properties

作者: Song, Xuefeng; Gao, Lian

来源出版物:JOURNAL OF PHYSICAL CHEMISTRY C卷: 112页: 15299-15305出版年: OCT 2 2008

第 43 条，共44条

标题: Partial oxidation of methane on Ni/CeO2-ZrO2/gamma-Al2O3 prepared using different processes

作者: Zhang Qingwei; ShenMeiqing; Wen Jing; 等.

来源出版物:JOURNAL OF RARE EARTHS卷: 26页: 347-351出版年: JUN 2008

第 44条，共44条

标题: A facile route to sea urchin-like NiO architectures

作者: Bai, Liuyang; Yuan, Fangli; Hu, Peng; 等.

来源出版物:MATERIALS LETTERS卷: 61页: 1698-1700出版年: APR 2007