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** | **Production of hydrogen by aqueous-phase reforming of glycerol** | | | | |
| **作者（英文）** | **Guodong Wena, Yunpeng Xu, Huaijun Ma, Zhusheng Xu, Zhijian Tian** | | | | |
| **作者（中文）** | **温国栋，徐云鹏，马怀军，徐竹生，田志坚** | | | | |
| **期刊名称** | **International Journal of Hydrogen Energy** | | | | |
| **发表日期** | **2008.11.11** | **卷** | **33** | **起止页码** | **6657-6666** |
| **总引用次数** | **115** | | | **他引次数** | **111** |
| **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 93 条

标题：Elucidation of the Roles of Re in Aqueous-Phase Reforming of Glycerol over Pt-Re/C Catalysts

作者: Wei, Zhehao; Karim, Ayman; Li, Yan; 等.

来源出版物：ACS CATALYSIS 卷: 5 期: 12 页: 7312-7320 出版年: DEC 2015

第 2 条，共 93 条

标题：Hydrogen production via the aqueous phase reforming of polyols over CMK-9 mesoporous carbon supported platinum catalysts

作者: Kim, Tae-Wan; Kim, Min-Cheol; Yang, Yoon-Cheol; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 44 特刊: SI 页: 15236-15243 出版年: NOV 26 2015

第 3 条，共 93 条

标题：H-2 production from aqueous-phase reforming of glycerol over Cu-Ni bimetallic catalysts supported on carbon nanotubes

作者: Rahman, M. M.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 43 页: 14833-14844 出版年: NOV 16 2015

第 4 条，共 93 条

标题：Evidence for the Bifunctional Nature of Pt-Re Catalysts for Selective Glycerol Hydrogenolysis

作者: Falcone, Derek D.; Hack, John H.; Klyushin, Alexander Yu.; 等.

来源出版物：ACS CATALYSIS 卷: 5 期: 10 页: 5679-5695 出版年: OCT 2015

第 5 条，共 93 条

标题：Bifunctional Mo3VOx/H4SiW12O40/Al2O3 catalysts for one-step conversion of glycerol to acrylic acid: Catalyst structural evolution and reaction pathways

作者: Liu, Licheng; Wang, Bo; Du, Yonghua; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 174 页: 1-12 出版年: SEP 2015

第 6 条，共 93 条

标题：Influence of Pt particle size and Re addition by catalytic reduction on aqueous phase reforming of glycerol for carbon-supported Pt(Re) catalysts

作者: Ciftci, Aysegul; Ligthart, D. A. J. Michel; Hensen, Emiel J. M.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 174 页: 126-135 出版年: SEP 2015

第 7 条，共 93 条

标题：A thermodynamic analysis of hydrogen production via aqueous phase reforming of glycerol

作者: Seretis, A.; Tsiakaras, P.

来源出版物：FUEL PROCESSING TECHNOLOGY 卷: 134 页: 107-115 出版年: JUN 2015

第 8 条，共 93 条

标题：First-Principles Study of Structure Sensitivity of Ethylene Glycol Conversion on Platinum

作者: Gu, Xiang-Kui; Liu, Bin; Greeley, Jeffrey

来源出版物：ACS CATALYSIS 卷: 5 期: 4 页: 2623-2631 出版年: APR 2015

第 9 条，共 93 条

标题：Potential of bioenergy production from industrial kenaf (Hibiscus cannabinus L.) based on Malaysian perspective

作者: Saba, N.; Jawaid, M.; Hakeem, K. R.; 等.

来源出版物：RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 42 页: 446-459 出版年: FEB 2015

第 10 条，共 93 条

标题：Challenges and strategies for optimization of glycerol steam reforming process

作者: Silva, Joel M.; Soria, M. A.; Madeira, Luis M.

来源出版物：RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 42 页: 1187-1213 出版年: FEB 2015

第 11 条，共 93 条

标题：Hydrogenolysis vs. aqueous phase reforming (APR) of glycerol promoted by a heterogeneous Pd/Fe catalyst

作者: Mauriello, Francesco; Vinci, Alessandro; Espro, Claudia; 等.

来源出版物：CATALYSIS SCIENCE & TECHNOLOGY 卷: 5 期: 9 页: 4466-4473 出版年: 2015

第 12 条，共 93 条

标题：High pressure water reforming of biomass for energy and chemicals: A short review

作者: Knez, Z.; Markocic, E.; Hrncic, M. Knez; 等.

来源出版物：JOURNAL OF SUPERCRITICAL FLUIDS 卷: 96 特刊: SI 页: 46-52 出版年: JAN 2015

第 13 条，共 93 条

标题：Sorption enhanced aqueous phase reforming of glycerol for hydrogen production over Pt-Ni supported on multi-walled carbon nanotubes

作者: He, Chao; Zheng, Jianwei; Wang, Ke; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 162 页: 401-411 出版年: JAN 2015

第 14 条，共 93 条

标题：Glycerol conversion in the presence of carbon dioxide on alumina supported nickel catalyst

作者: Florez-Rodriguez, Pedro P.; Pamphile-Adrian, Aracelis J.; Passos, Fabio B.

来源出版物：CATALYSIS TODAY 卷: 237 页: 38-46 出版年: NOV 15 2014

第 15 条，共 93 条

标题：EXAFS Characterization of PtNi Bimetallic Catalyst Applied to Glycerol Liquid-Phase Conversion

作者: Barbelli, Maria L.; Mizrahi, Martin D.; Pompeo, Francisco; 等.

来源出版物：JOURNAL OF PHYSICAL CHEMISTRY C 卷: 118 期: 41 页: 23645-23653 出版年: OCT 16 2014

第 16 条，共 93 条

标题：Three-Phase Reactor Model for the Aqueous Phase Reforming of Ethylene Glycol

作者: D'Angelo, M. F. Neira; Schouten, J. C.; van der Schaaf, J.; 等.

来源出版物：INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 卷: 53 期: 36 页: 13892-13902 出版年: SEP 10 2014

第 17 条，共 93 条

标题：Hydrogen production by aqueous phase reforming of polyols over nano-and micro-sized mesoporous carbon supported platinum catalysts

作者: Jeong, Kwang-Eun; Kim, Ho-Dong; Kim, Tae-Wan; 等.

来源出版物：CATALYSIS TODAY 卷: 232 页: 151-157 出版年: SEP 1 2014

第 18 条，共 93 条

标题：Hydrogen production via the aqueous phase reforming of polyols over three dimensionally mesoporous carbon supported catalysts

作者: Kim, Tae-Wan; Park, Hyun Ju; Yang, Yoon-Cheol; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 22 页: 11509-11516 出版年: JUL 24 2014

第 19 条，共 93 条

标题：The Photocatalytic Conversion of (Biodiesel Derived) Glycerol to Hydrogen - A Short Review and Preliminary Experimental Results Part 1: A Review

作者: Stelmachowski, Marek; Marchwicka, Malwina; Grabowska, Ewelina; 等.

来源出版物：JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES 卷: 17 期: 2 页: 167-178 出版年: JUL 2014

第 20 条，共 93 条

标题：Recent Improvement on H-2 Production by Liquid Phase Reforming of Glycerol: Catalytic Properties and Performance, and Deactivation Studies

作者: El Doukkali, M.; Iriondo, A.; Cambra, J. F.; 等.

来源出版物：TOPICS IN CATALYSIS 卷: 57 期: 10-13 页: 1066-1077 出版年: JUN 2014

第 21 条，共 93 条

标题：Ni/ZrO2 catalysts in ethanol steam reforming: Inhibition of coke formation by CaO-doping

作者: Nichele, Valentina; Signoretto, Michela; Pinna, Francesco; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 150 页: 12-20 出版年: MAY 5 2014

第 22 条，共 93 条

标题：Platinum-Rhenium Synergy on Reducible Oxide Supports in Aqueous-Phase Glycerol Reforming

作者: Ciftci, Aysegul; Eren, Seda; Ligthart, D. A. J. Michel; 等.

来源出版物：CHEMCATCHEM 卷: 6 期: 5 页: 1260-1269 出版年: MAY 2014

第 23 条，共 93 条

标题：Hydrogen production by ethanol steam reforming: Effect of the synthesis parameters on the activity of Ni/TiO2 catalysts

作者: Nichele, Valentina; Signoretto, Michela; Menegazzo, Federica; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 9 页: 4252-4258 出版年: MAR 18 2014

第 24 条，共 93 条

标题：Deactivation study of the Pt and/or Ni-based gamma-Al2O3 catalysts used in the aqueous phase reforming of glycerol for H-2 production

作者: El Doukkali, M.; Iriondo, A.; Cambra, J. F.; 等.

来源出版物：APPLIED CATALYSIS A-GENERAL 卷: 472 页: 80-91 出版年: FEB 22 2014

第 25 条，共 93 条

标题：Hydrogen production from aqueous-phase reforming of sorghum biomass: An application of the response surface methodology

作者: Meryemoglu, Bahar; Hasanoglu, Arif; Kaya, Burcak; 等.

来源出版物：RENEWABLE ENERGY 卷: 62 页: 535-541 出版年: FEB 2014

第 26 条，共 93 条

标题：THERMOGRAVIMETRIC COMPARISON OF CATALYTIC ACTIVITY OF PT/C AND PD/AL2O3 IN THE THERMAL DECOMPOSITION REACTION OF GLYCEROL

作者: Kampars, V.; Lazdovica, K.; Kampare, R.

来源出版物：PAPERS OF THE 22ND EUROPEAN BIOMASS CONFERENCE: SETTING THE COURSE FOR A BIOBASED ECONOMY 页: 1140-1144 出版年: 2014

第 27 条，共 93 条

标题：Hydrogen Production form Glycerol Steam Reforming in Supercritical Water with CO2 Absorption Unit

作者: Patcharavorachot, Yaneeporn; Chery-Rod, Napat; Nudchapong, Sirirat; 等.

来源出版物：17TH CONFERENCE ON PROCESS INTEGRATION, MODELLING AND OPTIMISATION FOR ENERGY SAVING AND POLLUTION REDUCTION, PTS 1-3 丛书: Chemical Engineering Transactions 卷: 39 页: 349-354 出版年: 2014

第 28 条，共 93 条

标题：The effect of impurities on the steam reforming of ethanol over ruthenium/alumina

作者: Bilal, Muhammad; Jackson, S. David

来源出版物：CATALYSIS SCIENCE & TECHNOLOGY 卷: 4 期: 11 页: 4055-4064 出版年: 2014

第 29 条，共 93 条

标题：A study to initiate development of sustainable Ni/gamma-Al2O3 catalyst for hydrogen production from steam reforming of biomass-derived glycerol

作者: Sadanandam, Gullapelli; Ramya, Kasala; Kishore, Donthamsetti Bhanu; 等.

来源出版物：RSC ADVANCES 卷: 4 期: 61 页: 32429-32437 出版年: 2014

第 30 条，共 93 条

标题：Effect of nickel on catalytic behaviour of bimetallic Cu-Ni catalyst supported on mesoporous alumina for the hydrogenolysis of glycerol to 1,2-propanediol

作者: Yun, Yang Sik; Park, Dae Sung; Yi, Jongheop

来源出版物：CATALYSIS SCIENCE & TECHNOLOGY 卷: 4 期: 9 页: 3191-3202 出版年: 2014

第 31 条，共 93 条

标题：Aqueous-phase reforming of xylitol over Pt/C and Pt/TiC-CDC catalysts: catalyst characterization and catalytic performance

作者: Kirilin, Alexey V.; Hasse, Benjamin; Tokarev, Anton V.; 等.

来源出版物：CATALYSIS SCIENCE & TECHNOLOGY 卷: 4 期: 2 页: 387-401 出版年: 2014

第 32 条，共 93 条

标题：Biosyngas Production in an Integrated Aqueous-Phase Glycerol Reforming/Chemical Looping Combustion Process

作者: Iliuta, Ion; Iliuta, Maria C.

来源出版物：INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 卷: 52 期: 46 页: 16142-16161 出版年: NOV 20 2013

第 33 条，共 93 条

标题：Atom Economical Aqueous-Phase Conversion (APC) of Biopolyols to Lactic Acid, Glycols, and Linear Alcohols Using Supported Metal Catalysts

作者: Jin, Xin; Roy, Debdut; Thapa, Prem S.; 等.

来源出版物：ACS SUSTAINABLE CHEMISTRY & ENGINEERING 卷: 1 期: 11 页: 1453-1462 出版年: NOV 2013

第 34 条，共 93 条

标题：Glycerol: Production, consumption, prices, characterization and new trends in combustion

作者: Quispe, Cesar A. G.; Coronado, Christian J. R.; Carvalho, Joao A., Jr.

来源出版物：RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 27 页: 475-493 出版年: NOV 2013

第 35 条，共 93 条

标题：Optimization of hydrogen production from supercritical water gasification of crude glycerol-byproduct of biodiesel production

作者: Yang, Fangxia; Hanna, Milford A.; Marx, David B.; 等.

来源出版物：INTERNATIONAL JOURNAL OF ENERGY RESEARCH 卷: 37 期: 13 页: 1600-1609 出版年: OCT 25 2013

第 36 条，共 93 条

标题：Pt catalyst supported on alpha-Al2O3 modified with CeO2 and ZrO2 for aqueous-phase-reforming of glycerol

作者: Barbelli, Maria L.; Pompeo, Francisco; Santori, Gerardo F.; 等.

来源出版物：CATALYSIS TODAY 卷: 213 页: 58-64 出版年: SEP 15 2013

第 37 条，共 93 条

标题：Glycerol steam reforming on supported Ru-based catalysts for hydrogen production for fuel cells

作者: Kim, Jieun; Lee, Doohwan

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 38 期: 27 页: 11853-11862 出版年: SEP 10 2013

第 38 条，共 93 条

标题：Transformation of Sorbitol to Biofuels by Heterogeneous Catalysis: Chemical and Industrial Considerations

作者: Vilcocq, L.; Cabiac, A.; Especel, C.; 等.

来源出版物：OIL & GAS SCIENCE AND TECHNOLOGY-REVUE D IFP ENERGIES NOUVELLES 卷: 68 期: 5 页: 841-860 出版年: SEP-OCT 2013

第 39 条，共 93 条

标题：Hydrothermal Reactions of Agricultural and Food Processing Wastes in Sub- and Supercritical Water: A Review of Fundamentals, Mechanisms, and State of Research

作者: Pavlovic, Irena; Knez, Zeljko; Skerget, Mojca

来源出版物：JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 卷: 61 期: 34 页: 8003-8025 出版年: AUG 28 2013

第 40 条，共 93 条

标题：Glycerol reforming in supercritical water; a short review

作者: Markocic, Elena; Kramberger, Boris; van Bennekom, Joost G.; 等.

来源出版物：RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 23 页: 40-48 出版年: JUL 2013

第 41 条，共 93 条

标题：Effect of CeO2 Addition to Al2O3 Supports for Pt Catalysts on the Aqueous-Phase Reforming of Glycerol

作者: Rahman, M. M.; Church, Tamara L.; Minett, Andrew I.; 等.

来源出版物：CHEMSUSCHEM 卷: 6 期: 6 页: 1006-1013 出版年: JUN 2013

第 42 条，共 93 条

标题：Catalytic Steam Reforming of Glycerol Over Cerium and Palladium-Based Catalysts for Hydrogen Production

作者: Ebshish, Ali; Yaakob, Zahira; Taufiq-Yap, Y. H.; 等.

来源出版物：JOURNAL OF FUEL CELL SCIENCE AND TECHNOLOGY 卷: 10 期: 2 文献号: 021003 出版年: APR 2013

第 43 条，共 93 条

标题：Stability and activity of carbon nanofiber-supported catalysts in the aqueous phase reforming of ethylene glycol

作者: van Haasterecht, T.; Ludding, C. C. I.; de Jong, K. P.; 等.

来源出版物：JOURNAL OF ENERGY CHEMISTRY 卷: 22 期: 2 页: 257-269 出版年: MAR 2013

第 44 条，共 93 条

标题：Pt monometallic and bimetallic catalysts prepared by acid sol-gel method for liquid phase reforming of bioglycerol

作者: El Doukkali, M.; Iriondo, A.; Cambra, J. F.; 等.

来源出版物：JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 卷: 368 页: 125-136 出版年: MAR 2013

第 45 条，共 93 条

标题：Optimization of power and hydrogen production from glycerol by supercritical water reforming

作者: Gutierrez Ortiz, Francisco Javier; Ollero, Pedro; Serrera, Ana; 等.

来源出版物：CHEMICAL ENGINEERING JOURNAL 卷: 218 页: 309-318 出版年: FEB 15 2013

第 46 条，共 93 条

标题：Highly Selective Bimetallic Pt-Cu/Mg(Al)O Catalysts for the Aqueous-Phase Reforming of Glycerol

作者: Boga, Dilek A.; Oord, Ramon; Beale, Andrew M.; 等.

来源出版物：CHEMCATCHEM 卷: 5 期: 2 特刊: SI 页: 529-537 出版年: FEB 2013

第 47 条，共 93 条

标题：Conversion of glycerol to hydrogen rich gas

作者: Tran, Nguyen H.; Kannangara, G. S. Kamali

来源出版物：CHEMICAL SOCIETY REVIEWS 卷: 42 期: 24 页: 9454-9479 出版年: 2013

第 48 条，共 93 条

标题：Combining Vibrational Spectroscopies with Quantum Chemical Calculations for Molecular-Level Understanding of Reaction Mechanisms on Catalytic Surfaces

作者: Podkolzin, Simon G.; Fitzgerald, George B.; Koel, Bruce E.

来源出版物：APPLICATIONS OF MOLECULAR MODELING TO CHALLENGES IN CLEAN ENERGY 丛书: ACS Symposium Series 卷: 1133 页: 153-176 出版年: 2013

第 49 条，共 93 条

标题：Aqueous-phase reforming of glycerol using Ni-Cu catalysts prepared from hydrotalcite-like precursors

作者: Manfro, Robinson L.; Pires, Thais P. M. D.; Ribeiro, Nielson F. P.; 等.

来源出版物：CATALYSIS SCIENCE & TECHNOLOGY 卷: 3 期: 5 页: 1278-1287 出版年: 2013

第 50 条，共 93 条

标题：Autothermal Reforming of Glycerol with Supercritical Water for Maximum Power through a Turbine Plus a Fuel Cell

作者: Gutierrez Ortiz, F. J.; Ollero, P.; Serrera, A.; 等.

来源出版物：ENERGY & FUELS 卷: 27 期: 1 页: 576-587 出版年: JAN 2013

第 51 条，共 93 条

标题：Effect of preparation method on the performance of the Ni/Al2O3 catalysts for aqueous-phase reforming of ethanol: Part II-characterization

作者: Roy, B.; Artyushkova, K.; Pham, H. N.; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 37 期: 24 页: 18815-18826 出版年: DEC 2012

第 52 条，共 93 条

标题：Hydrogen production via the aqueous phase reforming of ethylene glycol over platinum-supported ordered mesoporous carbon catalysts: Effect of structure and framework-configuration

作者: Kim, Ho-Dong; Kim, Tae-Wan; Park, Hyun Ju; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 37 期: 17 页: 12187-12197 出版年: SEP 2012

第 53 条，共 93 条

标题：A comparison of sol-gel and impregnated Pt or/and Ni based gamma-alumina catalysts for bioglycerol aqueous phase reforming

作者: El Doukkali, M.; Iriondo, A.; Arias, P. L.; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 125 页: 516-529 出版年: AUG 21 2012

第 54 条，共 93 条

标题：Support effects in the aqueous phase reforming of glycerol over supported platinum catalysts

作者: Ciftci, Aysegul; Peng, Baoxiang; Jentys, Andreas; 等.

来源出版物：APPLIED CATALYSIS A-GENERAL 卷: 431 页: 113-119 出版年: JUL 26 2012

第 55 条，共 93 条

标题：Comparison of batch aqueous-phase reforming of glycerol and lignocellulosic biomass hydrolysate

作者: Meryemoglu, Bahar; Kaya, Burcak; Irmak, Sibel; 等.

来源出版物：FUEL 卷: 97 页: 241-244 出版年: JUL 2012

第 56 条，共 93 条

标题：Biomass as renewable feedstock in standard refinery units. Feasibility, opportunities and challenges

作者: Antonio Melero, Juan; Iglesias, Jose; Garcia, Alicia

来源出版物：ENERGY & ENVIRONMENTAL SCIENCE 卷: 5 期: 6 页: 7393-7420 出版年: JUN 2012

第 57 条，共 93 条

标题：The effect of support and reaction conditions on aqueous phase reforming of polyol over supported Pt-Re bimetallic catalysts

作者: Kim, Ho-Dong; Park, Hyun Ju; Kim, Tae-Wan; 等.

来源出版物：CATALYSIS TODAY 卷: 185 期: 1 页: 73-80 出版年: MAY 20 2012

第 58 条，共 93 条

标题：Promising directions for utilization of glycerol-containing waste from biodiesel fuel production

作者: Zorin, V. V.; Petukhova, N. I.; Shakhmaev, R. N.

来源出版物：RUSSIAN JOURNAL OF GENERAL CHEMISTRY 卷: 82 期: 5 页: 1013-1026 出版年: MAY 2012

第 59 条，共 93 条

标题：Hydrogen production through the aqueous phase reforming of ethylene glycol over supported Pt-based bimetallic catalysts

作者: Kim, Ho-Dong; Park, Hyun Ju; Kim, Tae-Wan; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 37 期: 10 页: 8310-8317 出版年: MAY 2012

第 60 条，共 93 条

标题：Stability of Pt/gamma-Al2O3 Catalysts in Model Biomass Solutions

作者: Ravenelle, Ryan M.; Copeland, John R.; Van Pelt, Adam H.; 等.

来源出版物：TOPICS IN CATALYSIS 卷: 55 期: 3-4 页: 162-174 出版年: MAY 2012

第 61 条，共 93 条

标题：Correlation of Pt-Re surface properties with reaction pathways for the aqueous-phase reforming of glycerol

作者: Zhang, Liang; Karim, Ayman M.; Engelhard, Mark H.; 等.

来源出版物：JOURNAL OF CATALYSIS 卷: 287 页: 37-43 出版年: MAR 2012

第 62 条，共 93 条

标题：Hydrogen from Glycerol by Steam Reforming

作者: Dusescu, Cristina; Rosca, Paul; Bombos, Dorin; 等.

来源出版物：REVISTA DE CHIMIE 卷: 63 期: 2 页: 229-231 出版年: FEB 2012

第 63 条，共 93 条

标题：Valorisation of Glycerol as Renewable Feedstock: Comparison of the Exploration of Chemical Transformation Methods Aided by High Throughput Experimentation

作者: Boehmer, Natalia; Roussiere, Thomas; Kuba, Martin; 等.

来源出版物：COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING 卷: 15 期: 2 页: 123-135 出版年: FEB 2012

第 64 条，共 93 条

标题：Glycerol steam reforming for hydrogen production: Design of Ni supported catalysts

作者: Nichele, Valentina; Signoretto, Michela; Menegazzo, Federica; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 111 页: 225-232 出版年: JAN 12 2012

第 65 条，共 93 条

标题：Review of hydrogen production via glycerol reforming

作者: Ebshish, Ali; Yaakob, Zahira; Taufiq-Yap, Yun H.; 等.

来源出版物：PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY 卷: 226 期: A8 页: 1060-1075 出版年: 2012

第 66 条，共 93 条

标题：Steam Reforming of Glycerol over Ni Supported Alumina Xerogel for Hydrogen Production

作者: Ebshish, Ali; Yaakob, Zahira; Narayanan, Binitha; 等.

来源出版物：TERRAGREEN 2012: CLEAN ENERGY SOLUTIONS FOR SUSTAINABLE ENVIRONMENT (CESSE) 丛书: Energy Procedia 卷: 18 页: 552-559 出版年: 2012

第 67 条，共 93 条

标题：Production of Biohydrogen by Aqueous Phase Reforming of Polyols over Platinum Catalysts Supported on Three-Dimensionally Bimodal Mesoporous Carbon

作者: Park, Hyun Ju; Kim, Ho-Dong; Kim, Tae-Wan; 等.

来源出版物：CHEMSUSCHEM 卷: 5 期: 4 页: 629-633 出版年: 2012

第 68 条，共 93 条

标题：An energy and exergy analysis of the supercritical water reforming of glycerol for power production

作者: Gutierrez Ortiz, F. J.; Ollero, P.; Serrera, A.; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 37 期: 1 页: 209-226 出版年: JAN 2012

第 69 条，共 93 条

标题：Steam reforming of glycerol over Ni/Al2O3 catalyst

作者: Cheng, Chin Kui; Foo, Say Yei; Adesina, Adesoji A.

来源出版物：CATALYSIS TODAY 卷: 178 期: 1 页: 25-33 出版年: DEC 15 2011

第 70 条，共 93 条

标题：Aqueous-phase reforming of n-BuOH over Ni/Al2O3 and Ni/CeO2 catalysts

作者: Roy, B.; Sullivan, H.; Leclerc, C. A.

来源出版物：JOURNAL OF POWER SOURCES 卷: 196 期: 24 页: 10652-10657 出版年: DEC 15 2011

第 71 条，共 93 条

标题：Thermodynamic analysis of the autothermal reforming of glycerol using supercritical water

作者: Gutierrez Ortiz, F. J.; Ollero, P.; Serrera, A.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 36 期: 19 页: 12186-12199 出版年: SEP 2011

第 72 条，共 93 条

标题：Aqueous Phase Reforming of Glycerol Over Ni-Based Catalysts for Hydrogen Production

作者: Cho, Su Hyun; Moon, Dong Ju

来源出版物：JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷: 11 期: 8 页: 7311-7314 出版年: AUG 2011

第 73 条，共 93 条

标题：Catalytic Thermochemical Conversion of Glycerol to Simple and Polyhydric Alcohols Using Raney Nickel Catalyst

作者: Maglinao, Randy L.; He, B. Brian

来源出版物：INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 卷: 50 期: 10 页: 6028-6033 出版年: MAY 18 2011

第 74 条，共 93 条

标题：Hydrogen production by aqueous-phase reforming of glycerol over nickel catalysts supported on CeO2

作者: Manfro, Robinson L.; da Costa, Aline F.; Ribeiro, Nielson F. P.; 等.

来源出版物：FUEL PROCESSING TECHNOLOGY 卷: 92 期: 3 页: 330-335 出版年: MAR 2011

第 75 条，共 93 条

标题：Hydrogen production by aqueous phase catalytic reforming of glycerine

作者: Ozgur, Derya Oncel; Uysal, Bekir Zuhtu

来源出版物：BIOMASS & BIOENERGY 卷: 35 期: 2 页: 822-826 出版年: FEB 2011

第76 条，共 93 条

标题：Dehydration of Glycerol to Acetol over Copper-Based Catalysts

作者: Niu Shasha; Zhu Yulei; Zheng Hongyan; 等.

来源出版物：CHINESE JOURNAL OF CATALYSIS 卷: 32 期: 2 页: 345-351 出版年: FEB 2011

第 77 条，共 93 条

标题：Towards reforming technologies for production of hydrogen exclusively from renewable resources

作者: James, Olusola O.; Maity, Sudip; Mesubi, M. Adediran; 等.

来源出版物：GREEN CHEMISTRY 卷: 13 期: 9 页: 2272-2284 出版年: 2011

第 78 条，共 93 条

标题：UTILIZATION OF GLYCEROL, A BY-PRODUCT OF THE TRANSESTRIFICATION PROCESS OF VEGETABLE OILS: A REVIEW

作者: Stelmachowski, Marek

来源出版物：ECOLOGICAL CHEMISTRY AND ENGINEERING S-CHEMIA I INZYNIERIA EKOLOGICZNA S 卷: 18 期: 1 页: 9-30 出版年: 2011

第 79 条，共 93 条

标题：Catalytic production of hydrogen through aqueous-phase reforming over platinum/ordered mesoporous carbon catalysts

作者: Kim, Tae-Wan; Kim, Ho-Dong; Jeong, Kwang-Eun; 等.

来源出版物：GREEN CHEMISTRY 卷: 13 期: 7 页: 1718-1728 出版年: 2011

第 80 条，共 93 条

标题：Surface modification of solution combustion synthesized Ni/Al2O3 catalyst for aqueous-phase reforming of ethanol

作者: Roy, B.; Loganathan, K.; Pham, H. N.; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 21 特刊: SI 页: 11700-11708 出版年: NOV 2010

第 81 条，共 93 条

标题：Aqueous-phase reforming of biomass using various types of supported precious metal and raney-nickel catalysts for hydrogen production

作者: Meryemoglu, Bahar; Hesenov, Arif; Irmak, Sibel; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 22 特刊: SI 页: 12580-12587 出版年: NOV 2010

第 82 条，共 93 条

标题：Effect of mode of operation on hydrogen production from glycerol at thermal neutral conditions: Thermodynamic analysis

作者: Pairojpiriyakul, Thirasak; Kiatkittipong, Worapon; Wiyaratn, Wisitsree; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 19 页: 10257-10270 出版年: OCT 2010

第 83 条，共 93 条

标题：Aqueous phase reforming of glycerol for hydrogen production over Pt-Re supported on carbon

作者: King, David L.; Zhang, Liang; Xia, Gordon; 等.

来源出版物：APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 99 期: 1-2 页: 206-213 出版年: AUG 31 2010

第 84 条，共 93 条

标题：Thermodynamic study of hydrogen production from crude glycerol autothermal reforming for fuel cell applications

作者: Authayanun, Suthida; Arpornwichanop, Amornchai; Paengjuntuek, Woranee; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 13 特刊: SI 页: 6617-6623 出版年: JUL 2010

第 85 条，共 93 条

标题：Hydrogen rich gas production by thermocatalytic decomposition of kenaf biomass

作者: Irmak, Sibel; Ozturk, Ilker

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 11 特刊: SI 页: 5312-5317 出版年: JUN 2010

第 86 条，共 93 条

标题：Hydrogen production from glycerol on Ni/Al2O3 catalyst

作者: Sanchez, Esteban A.; D'Angelo, Miguel A.; Comelli, Raul A.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 11 特刊: SI 页: 5902-5907 出版年: JUN 2010

第 87 条，共 93 条

标题：Thermodynamic analysis of dry autothermal reforming of glycerol

作者: Kale, Ganesh R.; Kulkarni, Bhaskar D.

来源出版物：FUEL PROCESSING TECHNOLOGY 卷: 91 期: 5 页: 520-530 出版年: MAY 2010

第 88 条，共 93 条

标题：Challenges for renewable hydrogen production from biomass

作者: Levin, David B.; Chahine, Richard

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 10 特刊: SI 页: 4962-4969 出版年: MAY 2010

第 89 条，共 93 条

标题：A review on biodiesel production using catalyzed transesterification

作者: Leung, Dennis Y. C.; Wu, Xuan; Leung, M. K. H.

来源出版物：APPLIED ENERGY 卷: 87 期: 4 页: 1083-1095 出版年: APR 2010

第 90 条，共 93 条

标题：Recent progress on innovative and potential technologies for glycerol transformation into fuel additives: A critical review

作者: Rahmat, Norhasyimi; Abdullah, Ahmad Zuhairi; Mohamed, Abdul Rahman

来源出版物：RENEWABLE & SUSTAINABLE ENERGY REVIEWS 卷: 14 期: 3 页: 987-1000 出版年: APR 2010

第 91 条，共 93 条

标题：Renewable H-2 from Glycerol Steam Reforming: Effect of La2O3 and CeO2 Addition to Pt/Al2O3 catalysts.

作者: Montini, Tiziano; Singh, Rakesh; Das, Piyali; 等.

来源出版物：CHEMSUSCHEM 卷: 3 期: 5 页: 619-628 出版年: 2010

第 92 条，共 93 条

标题：Energy efficiency analysis of an integrated glycerin processor for PEM fuel cells: Comparison with an ethanol-based system

作者: Oliva, Diego G.; Francesconi, Javier A.; Mussati, Miguel C.; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 35 期: 2 页: 709-724 出版年: JAN 2010

第 93 条，共 93 条

标题：Production of hydrogen via steam reforming of biofuels on Ni/CeO(2)-Al(2)O(3) catalysts promoted by noble metals

作者: Profeti, Luciene P. R.; Ticianelli, Edson A.; Assaf, Elisabete M.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 34 期: 12 页: 5049-5060 出版年: JUN 2009

…………………………..

**二、引用论文第一产权单位为国内机构**

第 1 条，共 18 条

标题：Aqueous-phase reforming of the low-boiling fraction of bio-oil for hydrogen production: The size effect of Pt/Al2O3

作者: Chen, Aiping; Chen, Ping; Cao, Danyan; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 43 页: 14798-14805 出版年: NOV 16 2015

第 2 条，共 18 条

标题：Progress in the aqueous-phase reforming of different biomass-derived alcohols for hydrogen production

作者: Chen, Guan-yi; Li, Wan-qing; Chen, Hong; 等.

来源出版物：JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE A 卷: 16 期: 6 页: 491-506 出版年: JUN 2015

第 3 条，共 18 条

标题：Hydrogen production from methanol steam reforming using porous copper fiber sintered felt with gradient porosity

作者: Zhou, Wei; Wang, Qinghui; Li, Jingrong; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 1 页: 244-255 出版年: JAN 5 2015

第 4 条，共 18 条

标题：Recent Advances in Catalytic Conversion of Glycerol

作者: Zhou, Chun Hui; Zhao, Heng; Tong, Dong Shen; 等.

来源出版物：CATALYSIS REVIEWS-SCIENCE AND ENGINEERING 卷: 55 期: 4 页: 369-453 出版年: OCT 2 2013

第 5 条，共 18 条

标题：Glycerol steam reforming over Ni/gamma-Al2O3 catalysts modified by metal oxides

作者: Huang, Zun-Yu; Xu, Cheng-Hua; Liu, Chuan-Qi; 等.

来源出版物：KOREAN JOURNAL OF CHEMICAL ENGINEERING 卷: 30 期: 3 页: 587-592 出版年: MAR 2013

第 6 条，共 18 条

标题：Catalytic valorization of glycerol to hydrogen and syngas

作者: Lin, Yu-Chuan

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 38 期: 6 页: 2678-2700 出版年: FEB 27 2013

第 7 条，共 18 条

标题：Effect of oxide supports in stabilizing desirable Pt-Ni bimetallic structures for hydrogenation and reforming reactions

作者: Wang, Tiefeng; Mpourmpakis, Giannis; Lonergan, William W.; 等.

来源出版物：PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 15 期: 29 页: 12156-12164 出版年: 2013

第 8 条，共 18 条

标题：Aqueous-phase reforming of the low-boiling fraction of rice husk pyrolyzed bio-oil in the presence of platinum catalyst for hydrogen production

作者: Pan, Chunyan; Chen, Aiping; Liu, Zhen; 等.

来源出版物：BIORESOURCE TECHNOLOGY 卷: 125 页: 335-339 出版年: DEC 2012

第 9 条，共 18 条

标题：Hydrothermal conversion of glycerol to chemicals and hydrogen: review and perspective

作者: Long, Yun-Duo; Fang, Zhen

来源出版物：BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR 卷: 6 期: 6 页: 686-702 出版年: NOV-DEC 2012

第 10 条，共 18 条

标题：Reforming and Hydrogenolysis of Glycerol over Ni/ZnO Catalysts Prepared by Different Methods

作者: Hu Jiye; Liu Xiaoyu; Wang Bin; 等.

来源出版物：CHINESE JOURNAL OF CATALYSIS 卷: 33 期: 8 页: 1266-1275 出版年: AUG 2012

第 11 条，共 18 条

标题：A review of thermal-chemical conversion of lignocellulosic biomass in China

作者: Ma, Longlong; Wang, Tiejun; Liu, Qiying; 等.

来源出版物：BIOTECHNOLOGY ADVANCES 卷: 30 期: 4 特刊: SI 页: 859-873 出版年: JUL-AUG 2012

第 12 条，共 18 条

标题：Glycerol catalytic cyclocondensation with ethanediamine to pyrazinyl compounds over the modified SiO2-Al2O3

作者: Liu, Chuanqi; Xu, Chenghua; Xia, Tongwei; 等.

来源出版物：HETEROATOM CHEMISTRY 卷: 23 期: 4 页: 377-382 出版年: 2012

第 13 条，共 18 条

标题：Preparation of VO2(B) Nanoflake with Glycerol as Reductant Agent and its Catalytic Application in the Aerobic Oxidation of Benzene to Phenol

作者: Chen, Xing; Wang, Feng; Xu, Jie

来源出版物：TOPICS IN CATALYSIS 卷: 54 期: 13-15 页: 1016-1023 出版年: SEP 2011

第 14 条，共 18 条

标题：Thermodynamic analysis of hydrogen generation via oxidative steam reforming of glycerol

作者: Yang, Guangxing; Yu, Hao; Peng, Feng; 等.

来源出版物：RENEWABLE ENERGY 卷: 36 期: 8 页: 2120-2127 出版年: AUG 2011

第 15 条，共 18 条

标题：Influence of nitrogen on the catalytic behaviour of Pt/gamma-Al2O3 catalyst in glycerol reforming process

作者: Luo, Nian-Jun; Wang, Jin-An; Xiao, Tian-Cun; 等.

来源出版物：CATALYSIS TODAY 卷: 166 期: 1 特刊: SI 页: 123-128 出版年: MAY 30 2011

第 16 条，共 18 条

标题：Hydrogen production by glycerol steam reforming with/without calcium oxide sorbent A comparative study of thermodynamic and experimental work

作者: Wang, Xiaodong; Li, Maoshuai; Li, Shuirong; 等.

来源出版物：FUEL PROCESSING TECHNOLOGY 卷: 91 期: 12 页: 1812-1818 出版年: DEC 2010

第 17 条，共 18 条

标题：Thermodynamic analysis of hydrogen production from glycerol autothermal reforming

作者: Wang, Hao; Wang, Xiaodong; Li, Maoshuai; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 34 期: 14 特刊: SI 页: 5683-5690 出版年: JUL 2009

第 18 条，共 18 条

标题：Miniature NH3 cracker based on microfibrous entrapped Ni-CeO2/Al2O3 catalyst monolith for portable fuel cell power supplies

作者: Wang, Miaomiao; Li, Jianfeng; Chen, Li; 等.

来源出版物：INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 34 期: 4 页: 1710-1716 出版年: FEB 2009

…………………………..