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** | Photocatalytic Overall Water Splitting Promoted by an alpha-beta phase Junction on Ga2O3 | | | | |
| **作者（英文）** | Wang, Xiang; Xu, Qian; Li, Mingrun; Shen, Shuai; Wang, Xiuli; Wang, Yaochuan; Feng, Zhaochi; Shi, Jingying; Han, Hongxian; Li, Can | | | | |
| **作者（中文）** | **王翔，徐倩，李名润，沈帅，王秀丽，王耀川，冯兆池，施晶莹，韩洪宪，李灿** | | | | |
| **期刊名称** | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION | | | | |
| **发表日期** | **2012年11月19日** | **卷** | **51** | **起止页码** | 13089-13092 |
| **总引用次数** | **143** | | | **他引次数** | **127** |
| **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 42 条

标题: New insight into calcium tantalate nanocomposite photocatalysts for overall water splitting and reforming of alcohols and biomass derivatives

作者: Wang, P (Wang, Ping); Weide, P (Weide, Philipp); Muhler, M (Muhler, Martin); Marschall, R (Marschall, Roland); Wark, M (Wark, Michael)

来源出版物: APL MATERIALS 卷: 3 期: 10 文献号: 104412 DOI: 10.1063/1.4928288 出版年: OCT 2015

第 2 条，共 42 条

标题: Cocatalyst Designing: A Regenerable Molybdenum-Containing Ternary Cocatalyst System for Efficient Photocatalytic Water Splitting

作者: Busser, GW (Busser, G. Wilma); Mei, B (Mei, Bastian); Weide, P (Weide, Philipp); Vesborg, PCK (Vesborg, Peter C. K.); Stuhrenberg, K (Stuehrenberg, Kai); Bauer, M (Bauer, Matthias); Huang, X (Huang, Xing); Willinger, MG (Willinger, Marc-Georg); Chorkendorff, I (Chorkendorff, Ib); Schlogl, R (Schloegl, Robert); Muhler, M (Muhler, Martin)

来源出版物: ACS CATALYSIS 卷: 5 期: 9 页: 5530-5539 DOI: 10.1021/acscatal.5b01428 出版年: SEP 2015

第 3 条，共 42条

标题: Phase Tuning of Nanostructured Gallium Oxide via Hybridization with Reduced Graphene Oxide for Superior Anode Performance in Li-Ion Battery: An Experimental and Theoretical Study

作者: Patil, SB (Patil, Sharad B.); Kim, IY (Kim, In Young); Gunjakar, JL (Gunjakar, Jayavant L.); Oh, SM (Oh, Seung Mi); Eom, T (Eom, Taedaehyeong); Kim, H (Kim, Hyungjun); Hwang, SJ (Hwang, Seong-Ju)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 33 页: 18679-18688 DOI: 10.1021/acsami.5b05154 出版年: AUG 26 2015

第 4 条，共 42 条

标题: Phase stability and photoactivity of CuO modified titania nanotube prepared by hydrothermal method

作者: Vijayan, BK (Vijayan, Baiju K.); Schwartzenberg, KC (Schwartzenberg, Kevin C.); Wu, JS (Wu, Jinsong); Gray, KA (Gray, Kimberly A.)

来源出版物: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 卷: 402 页: 23-28 DOI: 10.1016/j.molcata.2015.03.004 出版年: JUN 2015

第 5 条，共 42 条

标题: Multiphase Nanostructure of a Quinary Metal Oxide Electrocatalyst Reveals a New Direction for OER Electrocatalyst Design

作者: Haber, JA (Haber, Joel A.); Anzenburg, E (Anzenburg, Eitan); Yano, J (Yano, Junko); Kisielowski, C (Kisielowski, Christian); Gregoire, JM (Gregoire, John M.)

来源出版物: ADVANCED ENERGY MATERIALS 卷: 5 期: 10 文献号: 1402307 DOI: 10.1002/aenm.201402307 出版年: MAY 20 2015

第 6 条，共 42 条

标题: CO2 hydrogenation to methanol and dimethyl ether by Pd-Pd2Ga catalysts supported over Ga2O3 polymorphs

作者: Oyola-Rivera, O (Oyola-Rivera, Oscar); Baltanas, MA (Angel Baltanas, Miguel); Cardona-Martinez, N (Cardona-Martinez, Nelson)

来源出版物: JOURNAL OF CO2 UTILIZATION 卷: 9 页: 8-15 DOI: 10.1016/j.jcou.2014.11.003 出版年: MAR 2015

第 7 条，共 42 条

标题: Liquid Metal/Metal Oxide Frameworks with Incorporated Ga2O3 for Photocatalysis

作者: Zhang, W (Zhang, Wei); Naidu, BS (Naidu, Boddu S.); Ou, JZ (Ou, Jian Zhen); O'Mullane, AP (O'Mullane, Anthony P.); Chrimes, AF (Chrimes, Adam F.); Carey, BJ (Carey, Benjamin J.); Wang, YC (Wang, Yichao); Tang, SY (Tang, Shi-Yang); Sivan, V (Sivan, Vijay); Mitchell, A (Mitchell, Arnan); Bhargava, SK (Bhargava, Suresh K.); Kalantar-zadeh, K (Kalantar-zadeh, Kourosh)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 3 页: 1943-1948 DOI: 10.1021/am5077364 出版年: JAN 28 2015

第 8 条，共 42 条

标题: Remarkably high apparent quantum yield of the overall photocatalytic H2O splitting achieved by utilizing Zn ion added Ga2O3 prepared using dilute CaCl2 solution

作者: Sakata, Y (Sakata, Yoshihisa); Hayashi, T (Hayashi, Takuya); Yasunaga, R (Yasunaga, Ryo); Yanaga, N (Yanaga, Nobuyuki); Imamura, H (Imamura, Hayao)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 期: 65 页: 12935-12938 DOI: 10.1039/c5cc03483c 出版年: 2015

第 9 条，共 42 条

标题: Synergy between TiO2 and CoxOy sites in electrocatalytic water decomposition

作者: Szyja, BM (Szyja, Bartlomiej M.); van Santen, RA (van Santen, Rutger A.)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 19 页: 12486-12491 DOI: 10.1039/c5cp00196j 出版年: 2015

第 10 条，共 42 条

标题: Electrophoretic Deposition of Gallium with High Deposition Rate

作者: Zhang, HF (Zhang, Hanfei); Feng, YP (Feng, Yiping); Santhanagopalan, S (Santhanagopalan, Sunand); Meng, DD (Meng, Dennis Desheng)

来源出版物: MICROMACHINES 卷: 6 期: 1 页: 32-41 DOI: 10.3390/mi6010032 出版年: JAN 2015

第 11 条，共 42 条

标题: Tetragonal Cu2Se nanoflakes: synthesis using selenated propylamine as Se source and activation of Suzuki and Sonogashira cross coupling reactions

作者: Singh, VV (Singh, Ved Vati); Singh, AK (Singh, Ajai Kumar)

来源出版物: DALTON TRANSACTIONS 卷: 44 期: 2 页: 725-732 DOI: 10.1039/c4dt03320e 出版年: 2015

第 12 条，共 42 条

标题: Non-aqueous sol-gel synthesis of hybrid rare-earth-doped gamma-Ga2O3 nanoparticles with multiple organic-inorganic-ionic light-emission features

作者: Lorenzi, R (Lorenzi, Roberto); Paleari, A (Paleari, Alberto); Golubev, NV (Golubev, Nikita V.); Ignat'eva, ES (Ignat'eva, Elena S.); Sigaev, VN (Sigaev, Vladimir N.); Niederberger, M (Niederberger, Markus); Lauria, A (Lauria, Alessandro)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY C 卷: 3 期: 1 页: 41-45 DOI: 10.1039/c4tc02118e 出版年: 2015

第 13 条，共 42 条

标题: Preparation and application of alpha-Fe2O3/TiO2/activated charcoal plate nanocomposite as an electrode for electrosorption-assisted visible light photoelectrocatalytic process

作者: Ayoubi-Feiz, B (Ayoubi-Feiz, Baharak); Aber, S (Aber, Soheil); Khataee, A (Khataee, Alireza); Alipour, E (Alipour, Esmaeel)

来源出版物: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 卷: 395 页: 440-448 DOI: 10.1016/j.molcata.2014.09.006 出版年: DEC 2014

第 14 条，共 42 条

标题: Cadmium Sulfide Quantum Dots Supported on Gallium and Indium Oxide for Visible-Light-Driven Hydrogen Evolution from Water

作者: Pan, YX (Pan, Yun-xiang); Zhuang, HQ (Zhuang, Huaqiang); Hong, JD (Hong, Jindui); Fang, Z (Fang, Zheng); Liu, H (Liu, Hai); Liu, B (Liu, Bin); Huang, YZ (Huang, Yizhong); Xu, R (Xu, Rong)

来源出版物: CHEMSUSCHEM 卷: 7 期: 9 页: 2537-2544 DOI: 10.1002/cssc.201402334 出版年: SEP 2014

第 15 条，共 42 条

标题: Metal-organic frameworks for artificial photosynthesis and photocatalysis

作者: Zhang, T (Zhang, Teng); Lin, WB (Lin, Wenbin)

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 43 期: 16 页: 5982-5993 DOI: 10.1039/c4cs00103f 出版年: AUG 21 2014

第 16 条，共 42 条

标题: Semiconductor Composites: Strategies for Enhancing Charge Carrier Separation to Improve Photocatalytic Activity

作者: Marschall, R (Marschall, Roland)

来源出版物: ADVANCED FUNCTIONAL MATERIALS 卷: 24 期: 17 页: 2421-2440 DOI: 10.1002/adfm.201303214 出版年: MAY 2014

第 17 条，共 42 条

标题: Photodeposition of Copper and Chromia on Gallium Oxide: The Role of Co- Catalysts in Photocatalytic Water Splitting

作者: Busser, GW (Busser, G. Wilma); Mei, B (Mei, Bastian); Pougin, A (Pougin, Anna); Strunk, J (Strunk, Jennifer); Gutkowski, R (Gutkowski, Ramona); Schuhmann, W (Schuhmann, Wolfgang); Willinger, MG (Willinger, Marc-Georg); Schlogl, R (Schloegl, Robert); Muhler, M (Muhler, Martin)

来源出版物: CHEMSUSCHEM 卷: 7 期: 4 页: 1030-1034 DOI: 10.1002/cssc.201301065 出版年: APR 2014

第 18 条，共 42 条

标题: Photocatalytic properties of gallium oxides prepared by precipitation methods toward the overall splitting of H2O

作者: Sakata, Y (Sakata, Yoshihisa); Nakagawa, T (Nakagawa, Takaki); Nagamatsu, Y (Nagamatsu, Yasuhiro); Matsuda, Y (Matsuda, Yuta); Yasunaga, R (Yasunaga, Ryo); Nakao, E (Nakao, Emi); Imamura, H (Imamura, Hayao)

来源出版物: JOURNAL OF CATALYSIS 卷: 310 特刊: SI 页: 45-50 DOI: 10.1016/j.jcat.2013.06.025 出版年: FEB 2014

第 19 条，共 42 条

标题: A Biomimetic Copper Water Oxidation Catalyst with Low Overpotential

作者: Zhang, T (Zhang, Teng); Wang, C (Wang, Cheng); Liu, SB (Liu, Shubin); Wang, JL (Wang, Jin-Liang); Lin, WB (Lin, Wenbin)

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷: 136 期: 1 页: 273-281 DOI: 10.1021/ja409267p 出版年: JAN 8 2014

第 20 条，共 42 条

标题: Versatile Photocatalytic Systems for H-2 Generation in Water Based on an Efficient DuBois-Type Nickel Catalyst

作者: Gross, MA (Gross, Manuela A.); Reynal, A (Reynal, Anna); Durrant, JR (Durrant, James R.); Reisner, E (Reisner, Erwin)

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷: 136 期: 1 页: 356-366 DOI: 10.1021/ja410592d 出版年: JAN 8 2014

第 21 条，共 42 条

标题: Metal-Organic Frameworks for Photocatalysis

作者: Zhang, T (Zhang, Teng); Lin, WB (Lin, Wenbin)

编者: Chen B; Qian G

来源出版物: METAL-ORGANIC FRAMEWORKS FOR PHOTONICS APPLICATIONS 丛书: Structure and Bonding 卷: 157 页: 89-104 DOI: 10.1007/430\_2013\_131 出版年: 2014

第 22 条，共 42 条

标题: The significant effect of heterojunction quality on photoelectrochemical water splitting in bilayer photoelectrodes: RbxWO3 thin films on RbLaNb2O7 layers

作者: Nakajima, T (Nakajima, Tomohiko); Nakamura, T (Nakamura, Takako); Tsuchiya, T (Tsuchiya, Tetsuo)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 16 期: 48 页: 26901-26908 DOI: 10.1039/c4cp03917c 出版年: 2014

第 23 条，共 42 条

标题: The suitability of Ce3+-modified ZnO photocatalyst for the mineralization of monochlorophenol isomers in sunlight exposure

作者: Aslam, M (Aslam, Mohammad); Ismail, IMI (Ismail, Iqbal M. I.); Chandrasekaran, S (Chandrasekaran, Sivaraman); Almeelbi, T (Almeelbi, Talal); Hameed, A (Hameed, Abdul)

来源出版物: RSC ADVANCES 卷: 4 期: 90 页: 49347-49359 DOI: 10.1039/c4ra07038k 出版年: 2014

第 24 条，共 42 条

标题: One dimensional CdS/ZnO nanocomposites: an efficient photocatalyst for hydrogen generation

作者: Vaishnav, JK (Vaishnav, Jamuna K.); Arbuj, SS (Arbuj, Sudhir S.); Rane, SB (Rane, Sunit B.); Amalnerkar, DP (Amalnerkar, Dinesh P.)

来源出版物: RSC ADVANCES 卷: 4 期: 88 页: 47637-47642 DOI: 10.1039/c4ra08561b 出版年: 2014

第 25 条，共 42 条

标题: Modification effects of meso-hexakis(pentafluorophenyl) [26]hexaphyrin aggregates on the photocatalytic water splitting

作者: Hagiwara, H (Hagiwara, Hidehisa); Watanabe, M (Watanabe, Motonori); Daio, T (Daio, Takeshi); Ida, S (Ida, Shintaro); Ishihara, T (Ishihara, Tatsumi)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 50 期: 83 页: 12515-12518 DOI: 10.1039/c4cc05127k 出版年: 2014

第 26 条，共 42条

标题: Improved overall water splitting with barium tantalate mixed oxide composites

作者: Soldat, J (Soldat, Julia); Marschall, R (Marschall, Roland); Wark, M (Wark, Michael)

来源出版物: CHEMICAL SCIENCE 卷: 5 期: 10 页: 3746-3752 DOI: 10.1039/c4sc01127a 出版年: 2014

第 27 条，共 42 条

标题: Tetragonal tungsten bronze-type nanorod photocatalysts with tunnel structures: Ta substitution for Nb and overall water splitting

作者: Wang, P (Wang, Ping); Schwertmann, L (Schwertmann, Larissa); Marschall, R (Marschall, Roland); Wark, M (Wark, Michael)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 23 页: 8815-8822 DOI: 10.1039/c4ta01393j 出版年: 2014

第 28 条，共 42 条

标题: Photocatalysts with internal electric fields

作者: Li, L (Li, Li); Salvador, PA (Salvador, Paul A.); Rohrer, GS (Rohrer, Gregory S.)

来源出版物: NANOSCALE 卷: 6 期: 1 页: 24-42 DOI: 10.1039/c3nr03998f 出版年: 2014

第 29条，共 42 条

标题: Orthorhombic/cubic Cd2SnO4 nanojunctions: enhancing solar water splitting efficiency by the suppression of charge recombination

作者: Deshpande, A (Deshpande, Aparna); Kelkar, S (Kelkar, Sarika); Rayalu, S (Rayalu, Sadhana); Ogale, S (Ogale, Satishchandra)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 2 页: 492-499 DOI: 10.1039/c3ta13851h 出版年: 2014

第 30 条，共 42 条

标题: Tin oxide with a p-n heterojunction ensures both UV and visible light photocatalytic activity

作者: Sinha, AK (Sinha, Arun Kumar); Manna, PK (Manna, P. K.); Pradhan, M (Pradhan, Mukul); Mondal, C (Mondal, Chanchal); Yusuf, SM (Yusuf, S. M.); Pal, T (Pal, Tarasankar)

来源出版物: RSC ADVANCES 卷: 4 期: 1 页: 208-211 DOI: 10.1039/c3ra42740d 出版年: 2014

第 31 条，共 42 条

标题: Control of Phase Coexistence in Calcium Tantalate Composite Photocatalysts for Highly Efficient Hydrogen Production

作者: Wang, P (Wang, Ping); Chen, P (Chen, Peirong); Kostka, A (Kostka, Aleksander); Marschall, R (Marschall, Roland); Wark, M (Wark, Michael)

来源出版物: CHEMISTRY OF MATERIALS 卷: 25 期: 23 页: 4739-4745 DOI: 10.1021/cm402708h 出版年: DEC 10 2013

第 32 条，共 42 条

标题: Effect of Ferroelectricity on Solar-Light-Driven Photocatalytic Activity of BaTiO3-Influence on the Carrier Separation and Stern Layer Formation

作者: Cui, YF (Cui, Yongfei); Briscoe, J (Briscoe, Joe); Dunn, S (Dunn, Steve)

来源出版物: CHEMISTRY OF MATERIALS 卷: 25 期: 21 页: 4215-4223 DOI: 10.1021/cm402092f 出版年: NOV 12 2013

第 33 条，共 42 条

标题: Hollow micro/nanomaterials as nanoreactors for photocatalysis

作者: Li, XB (Li, Xiaobo); Liu, J (Liu, Jian); Masters, AF (Masters, Anthony F.); Pareek, VK (Pareek, Vishnu K.); Maschmeyer, T (Maschmeyer, Thomas)

来源出版物: APL MATERIALS 卷: 1 期: 4 文献号: 041101 DOI: 10.1063/1.4826155 出版年: OCT 2013

第 34 条，共 42 条

标题: Self-organization and zinc doping of Ga2O3 nanoporous architecture: A potential nano-photogenerator for hydrogen

作者: Shrestha, NK (Shrestha, Nabeen K.); Lee, K (Lee, Kiyoung); Kirchgeorg, R (Kirchgeorg, Robin); Hahn, R (Hahn, Robert); Schmuki, P (Schmuki, Patrik)

来源出版物: ELECTROCHEMISTRY COMMUNICATIONS 卷: 35 页: 112-115 DOI: 10.1016/j.elecom.2013.08.011 出版年: OCT 2013

第 35 条，共 42条

标题: Visible-Light Photochemical Activity of Heterostructured Core-Shell Materials Composed of Selected Ternary Titanates and Ferrites Coated by TiO2

作者: Li, L (Li, Li); Liu, X (Liu, Xuan); Zhang, YL (Zhang, Yiling); Nuhfer, NT (Nuhfer, Noel T.); Barmak, K (Barmak, Katayun); Salvador, PA (Salvador, Paul A.); Rohrer, GS (Rohrer, Gregory S.)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 5 期: 11 页: 5064-5071 DOI: 10.1021/am4008837 出版年: JUN 12 2013

第 36 条，共 42 条

标题: High-efficiency conversion of CO2 to fuel over ZnO/g-C3N4 photocatalyst

作者: He, YM (He, Yiming); Wang, Y (Wang, Yan); Zhang, LH (Zhang, Lihong); Teng, BT (Teng, Botao); Fan, MH (Fan, Maohong)

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 168 页: 1-8 DOI: 10.1016/j.apcatb.2014.12.017 出版年: JUN 2015

第 37 条，共 42 条

标题: Semiconductor-based photocatalytic CO2 conversion

作者: Marszewski, M (Marszewski, Michal); Cao, SW (Cao, Shaowen); Yu, JG (Yu, Jiaguo); Jaroniec, M (Jaroniec, Mietek)

来源出版物: MATERIALS HORIZONS 卷: 2 期: 3 页: 261-278 DOI: 10.1039/c4mh00176a 出版年: MAY 2015

第 38 条，共 42 条

标题: Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting

作者: Ran, JR (Ran, Jingrun); Zhang, J (Zhang, Jun); Yu, JG (Yu, Jiaguo); Jaroniec, M (Jaroniec, Mietek); Qiao, SZ (Qiao, Shi Zhang)

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 43 期: 22 页: 7787-7812 DOI: 10.1039/c3cs60425j 出版年: NOV 21 2014

第 39 条，共 42 条

标题: Gallium Oxide Nanorods: Novel, Template-Free Synthesis and High Catalytic Activity in Epoxidation Reactions

作者: Lueangchaichaweng, W (Lueangchaichaweng, Warunee); Brooks, NR (Brooks, Neil R.); Fiorilli, S (Fiorilli, Sonia); Gobechiya, E (Gobechiya, Elena); Lin, KF (Lin, Kaifeng); Li, L (Li, Li); Parres-Esclapez, S (Parres-Esclapez, Sonia); Javon, E (Javon, Elsa); Bals, S (Bals, Sara); Van Tendeloo, G (Van Tendeloo, Gustaaf); Martens, JA (Martens, Johan A.); Kirschhock, CEA (Kirschhock, Christine E. A.); Jacobs, PA (Jacobs, Pierre A.); Pescarmona, PP (Pescarmona, Paolo P.)

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 53 期: 6 页: 1585-1589 DOI: 10.1002/anie.201308384 出版年: FEB 3 2014

第 40 条，共 42 条

标题: Photocatalyst AgInS2 for active overall water-splitting: A first-principles study

作者: Huang, D (Huang, Dan); Persson, C (Persson, Clas)

来源出版物: CHEMICAL PHYSICS LETTERS 卷: 591 页: 189-192 DOI: 10.1016/j.cplett.2013.11.042 出版年: JAN 20 2014

第 41 条，共 42 条

标题: Constructing cubic-orthorhombic surface-phase junctions of NaNbO3 towards significant enhancement of CO2 photoreduction

作者: Li, P (Li, Peng); Xu, H (Xu, Hua); Liu, LQ (Liu, Lequan); Kako, T (Kako, Tetsuya); Umezawa, N (Umezawa, Naoto); Abe, H (Abe, Hideki); Ye, JH (Ye, Jinhua)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 16 页: 5606-5609 DOI: 10.1039/c4ta00105b 出版年: 2014

第 42 条，共 42 条

标题: Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co3O4 nanomaterials derived from metal-embedded graphitic C3N4

作者: Zou, XX (Zou, Xiaoxin); Su, J (Su, Juan); Silva, R (Silva, Rafael); Goswami, A (Goswami, Anandarup); Sathe, BR (Sathe, Bhaskar R.); Asefa, T (Asefa, Tewodros)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 49 期: 68 页: 7522-7524 DOI: 10.1039/c3cc42891e 出版年: 2013

…………………………..

二、引用论文第一产权单位为国内机构

第 1 条，共 85条

标题: A simple route to significant enhancement of photocatalytic water oxidation on BiVO4 by heterojunction with SiC

作者: Wang, D (Wang, Da); Guo, ZN (Guo, Zhongnan); Peng, Y (Peng, Yuan); Yuan, WX (Yuan, Wenxia)

来源出版物: CHEMICAL ENGINEERING JOURNAL 卷: 281 页: 102-108 DOI: 10.1016/j.cej.2015.06.103 出版年: DEC 1 2015

第 2 条，共 85 条

标题: Fabrication of novel heterostructured few layered WS2-Bi2WO6/Bi3.84W0.16O6.24 composites with enhanced photocatalytic performance

作者: Zou, JP (Zou, Jian-Ping); Ma, J (Ma, Jun); Luo, JM (Luo, Jin-Ming); Yu, J (Yu, Jian); He, JK (He, Junkai); Meng, YT (Meng, Yongtao); Luo, Z (Luo, Zhu); Bao, SK (Bao, Shao-Kui); Liu, HL (Liu, Hui-Long); Luo, SL (Luo, Sheng-Lian); Luo, XB (Luo, Xu-Biao); Chen, TC (Chen, Tong-Cai); Suib, SL (Suib, Steven L.)

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL 卷: 179 页: 220-228 DOI: 10.1016/j.apcatb.2015.05.031 出版年: DEC 2015

第 3 条，共 85 条

标题: Electrochemical-driven water reduction catalyzed by a water soluble cobalt(III) complex with Schiff base ligand

作者: Fang, T (Fang, Ting); Fu, LZ (Fu, Ling-Zhi); Zhou, LL (Zhou, Ling-Ling); Zhan, SZ (Zhan, Shu-Zhong); Chen, SW (Chen, Shaowei)

来源出版物: ELECTROCHIMICA ACTA 卷: 178 页: 368-373 DOI: 10.1016/j.electacta.2015.07.180 出版年: OCT 1 2015

第 4 条，共85 条

标题: Surface Modification of Carbon Nitride Polymers by Core-Shell Nickel/Nickel Oxide Cocatalysts for Hydrogen Evolution Photocatalysis

作者: Zhang, GG (Zhang, Guigang); Li, GS (Li, Guosheng); Wang, XC (Wang, Xinchen)

来源出版物: CHEMCATCHEM 卷: 7 期: 18 特刊: SI 页: 2864-2870 DOI: 10.1002/cctc.201500069 出版年: SEP 14 2015

第 5 条，共 85 条

标题: Hexahedron Prism-Anchored Octahedronal CeO2: Crystal Facet-Based Homojunction Promoting Efficient Solar Fuel Synthesis

作者: Li, P (Li, Ping); Zhou, Y (Zhou, Yong); Zhao, ZY (Zhao, Zongyan); Xu, QF (Xu, Qinfeng); Wang, XY (Wang, Xiaoyong); Xiao, M (Xiao, Min); Zou, ZG (Zou, Zhigang)

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷: 137 期: 30 页: 9547-9550 DOI: 10.1021/jacs.5b05926 出版年: AUG 5 2015

第 6 条，共 85条

标题: Electrochemical-driven water splitting catalyzed by a water-soluble cobalt(II) complex supported by N,N '-bis(2 '-pyridinecarboxamide)-1,2-benzene with high turnover frequency

作者: Wang, ZQ (Wang, Zhuo-Qiang); Tang, LZ (Tang, Ling-Zhi); Zhang, YX (Zhang, Yun-Xiao); Zhan, SZ (Zhan, Shu-Zhong); Ye, JS (Ye, Jian-Shan)

来源出版物: JOURNAL OF POWER SOURCES 卷: 287 页: 50-57 DOI: 10.1016/j.jpowsour.2015.04.031 出版年: AUG 1 2015

第 7 条，共 85 条

标题: Mesoporous mixed-phase Ga2O3: Green synthesis and enhanced photocatalytic activity

作者: Liu, J (Liu, Jin); Zhang, GK (Zhang, Gaoke)

来源出版物: MATERIALS RESEARCH BULLETIN 卷: 68 页: 254-259 DOI: 10.1016/j.materresbull.2015.03.061 出版年: AUG 2015

第 8 条，共 85 条

标题: Defect Engineering and Phase Junction Architecture of Wide-Bandgap ZnS for Conflicting Visible Light Activity in Photocatalytic H-2 Evolution

作者: Fang, ZB (Fang, Zhibin); Weng, SX (Weng, Sunxian); Ye, XX (Ye, Xinxin); Feng, WH (Feng, Wenhui); Zheng, ZY (Zheng, Zuyang); Lu, ML (Lu, Meiliang); Lin, S (Lin, Sen); Fu, XZ (Fu, Xianzhi); Liu, P (Liu, Ping)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 25 页: 13915-13924 DOI: 10.1021/acsami.5b02641 出版年: JUL 1 2015

第 9 条，共 85 条

标题: In Situ Microscopic Observation of the Crystallization Process of Molecular Microparticles by Fluorescence Switching

作者: Ye, X (Ye, Xin); Liu, Y (Liu, Yang); Lv, Y (Lv, Yun); Liu, GF (Liu, Guangfeng); Zheng, XX (Zheng, Xiaoxin); Han, QX (Han, Quanxiang); Jackson, KA (Jackson, Kenneth A.); Tao, XT (Tao, Xutang)

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 卷: 54 期: 27 页: 7976-7980 DOI: 10.1002/anie.201503052 出版年: JUN 26 2015

第 10 条，共 85 条

标题: Improved photocatalytic activity of CdS/reduced graphene oxide (RGO) for H-2 evolution by strengthening the connection between CdS and RGO sheets

作者: Hong, YC (Hong, Yuanchen); Shi, PH (Shi, Penghui); Wang, PF (Wang, Peifu); Yao, WF (Yao, Weifeng)

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 40 期: 22 页: 7045-7051 DOI: 10.1016/j.ijhydene.2015.04.005 出版年: JUN 15 2015

第 11 条，共 85 条

标题: Olefin difunctionalizations via visible light photocatalysis

作者: Cao, MY (Cao, Min-Yi); Ren, X (Ren, Xiang); Lu, Z (Lu, Zhan)

来源出版物: TETRAHEDRON LETTERS 卷: 56 期: 24 页: 3732-3742 DOI: 10.1016/j.tetlet.2015.04.091 出版年: JUN 10 2015

第 12 条，共85 条

标题: Fe4I3O24H15: A novel semiconductor with high performance in photodegradation of rhodamine B dyes under visible light irradiation

作者: Li, DT (Li, Datang); Tang, JT (Tang, Jianting); Li, J (Li, Jing)

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS 卷: 633 页: 296-299 DOI: 10.1016/j.jallcom.2015.01.158 出版年: JUN 5 2015

第 13 条，共 85 条

标题: Z-scheme SnO2-x/g-C3N4 composite as an efficient photocatalyst for dye degradation and photocatalytic CO2 reduction

作者: He, YM (He, Yiming); Zhang, LH (Zhang, Lihong); Fan, MH (Fan, Maohong); Wang, XX (Wang, Xiaoxing); Walbridge, ML (Walbridge, Mike L.); Nong, QY (Nong, Qingyan); Wu, Y (Wu, Ying); Zhao, LH (Zhao, Leihong)

来源出版物: SOLAR ENERGY MATERIALS AND SOLAR CELLS 卷: 137 页: 175-184 DOI: 10.1016/j.solmat.2015.01.037 出版年: JUN 2015

第 14 条，共 85 条

标题: Enhanced Photocatalytic Activity in Electrospun Bismuth Vanadate Nanofibers with Phase Junction

作者: Cheng, J (Cheng, Jing); Feng, J (Feng, Jing); Pan, W (Pan, Wei)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 18 页: 9638-9644 DOI: 10.1021/acsami.5b01305 出版年: MAY 13 2015

第 15 条，共 85 条

标题: Recent advances in rare-earth elements modification of inorganic semiconductor-based photocatalysts for efficient solar energy conversion: A review

作者: Yu, YG (Yu Yaoguang); Chen, G (Chen Gang); Zhou, YS (Zhou Yansong); Han, ZH (Han Zhonghui)

来源出版物: JOURNAL OF RARE EARTHS 卷: 33 期: 5 页: 453-462 DOI: 10.1016/S1002-0721(14)60440-3 出版年: MAY 2015

第 16 条，共 85 条

标题: Electrodeposition of Ni(OH)(2)/NiOOH in the Presence of Urea for the Improved Oxygen Evolution

作者: Xiao, MS (Xiao, Mingshu); Tian, YP (Tian, Yanping); Yan, YH (Yan, Yuhua); Feng, K (Feng, Kai); Miao, YQ (Miao, Yuqing)

来源出版物: ELECTROCHIMICA ACTA 卷: 164 页: 196-202 DOI: 10.1016/j.electacta.2015.02.205 出版年: MAY 1 2015

第 17 条，共 85 条

标题: A water-soluble dinuclear copper electrocatalyst, [Cu(oxpn)Cu(OH)(2)] for both water reduction and oxidation

作者: Fang, T (Fang, Ting); Fu, LZ (Fu, Ling-Zhi); Zhou, LL (Zhou, Ling-Ling); Zhan, SZ (Zhan, Shu-Zhong)

来源出版物: ELECTROCHIMICA ACTA 卷: 161 页: 388-394 DOI: 10.1016/j.electacta.2015.02.101 出版年: APR 10 2015

第 18 条，共 85 条

标题: Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion

作者: Li, J (Li, Jie); Zhao, K (Zhao, Kun); Yu, Y (Yu, Ying); Zhang, LZ (Zhang, Lizhi)

来源出版物: ADVANCED FUNCTIONAL MATERIALS 卷: 25 期: 14 页: 2189-2201 DOI: 10.1002/adfm.201404178 出版年: APR 8 2015

第 19 条，共85 条

标题: Enhanced Ferroelectric-Nanocrystal-Based Hybrid Photocatalysis by Ultrasonic-Wave-Generated Piezophototronic Effect

作者: Li, HD (Li, Haidong); Sang, YH (Sang, Yuanhua); Chang, SJ (Chang, Sujie); Huang, X (Huang, Xin); Zhang, Y (Zhang, Yan); Yang, RS (Yang, Rusen); Jiang, HD (Jiang, Huaidong); Liu, H (Liu, Hong); Wang, ZL (Wang, Zhong Lin)

来源出版物: NANO LETTERS 卷: 15 期: 4 页: 2372-2379 DOI: 10.1021/nl504630j 出版年: APR 2015

第 20 条，共 85 条

标题: High-performance heterostructured CdS/Ba1-xSrxTiO3 system with unique synergism for photocatalytic H-2 evolution

作者: Lei, SL (Lei, Si-Liang); Yu, J (Yu, Jian); Bao, SK (Bao, Shao-Kui); Zeng, GS (Zeng, Gui-Sheng); Liu, HL (Liu, Hui-Long); Wu, DD (Wu, Dan-Dan); Tang, XH (Tang, Xing-Hua); Zou, JP (Zou, Jian-Ping); Au, CT (Au, Chak-Tong)

来源出版物: APPLIED CATALYSIS A-GENERAL 卷: 493 页: 58-67 DOI: 10.1016/j.apcata.2015.01.011 出版年: MAR 5 2015

第 21 条，共 85条

标题: Photocatalytic CO2 reduction in metal-organic frameworks: A mini review

作者: Wang, CC (Wang, Chong-Chen); Zhang, YQ (Zhang, Yan-Qiu); Li, J (Li, Jin); Wang, P (Wang, Peng)

来源出版物: JOURNAL OF MOLECULAR STRUCTURE 卷: 1083 页: 127-136 DOI: 10.1016/j.molstruc.2014.11.036 出版年: MAR 5 2015

第 22 条，共 85 条

标题: Synergistic Effect of Titanate-Anatase Heterostructure and Hydrogenation-Induced Surface Disorder on Photocatalytic Water Splitting

作者: Cai, JM (Cai, Jinmeng); Zhu, YM (Zhu, Yingming); Liu, DS (Liu, Dongsheng); Meng, M (Meng, Ming); Hu, ZP (Hu, Zhenpeng); Jiang, Z (Jiang, Zheng)

来源出版物: ACS CATALYSIS 卷: 5 期: 3 页: 1708-1716 DOI: 10.1021/acscatal.5b00055 出版年: MAR 2015

第 23 条，共 85 条

标题: Influence of PEG 6000 on gallium oxide (Ga2O3) polymorphs and photocatalytic properties

作者: Chai, XH (Chai, Xiaohui); Liu, ZH (Liu, Zhihong); Huang, YP (Huang, Yingping)

来源出版物: SCIENCE CHINA-CHEMISTRY 卷: 58 期: 3 页: 532-538 DOI: 10.1007/s11426-014-5269-6 出版年: MAR 2015

第 24 条，共 85 条

标题: State-of-the-Art Progress in Diverse Heterostructured Photocatalysts toward Promoting Photocatalytic Performance

作者: Li, HJ (Li, Haijin); Zhou, Y (Zhou, Yong); Tu, WG (Tu, Wenguang); Ye, JH (Ye, Jinhua); Zou, ZG (Zou, Zhigang)

来源出版物: ADVANCED FUNCTIONAL MATERIALS 卷: 25 期: 7 页: 998-1013 DOI: 10.1002/adfm.201401636 出版年: FEB 18 2015

第 25 条，共 85 条

标题: Visible light induced photocatalytic overall water splitting over micro-SiC driven by the Z-scheme system

作者: Wang, D (Wang, Da); Guo, ZN (Guo, Zhongnan); Peng, Y (Peng, Yuan); Yuan, WX (Yuan, Wenxia)

来源出版物: CATALYSIS COMMUNICATIONS 卷: 61 页: 53-56 DOI: 10.1016/j.catcom.2014.12.008 出版年: FEB 10 2015

第 26 条，共 85 条

标题: Fabrication of Multiple Heterojunctions with Tunable Visible-Light-Active Photocatalytic Reactivity in BiOBr-BiOl Full-Range Composites Based on Microstructure Modulation and Band Structures

作者: Huang, HW (Huang, Hongwei); Han, X (Han, Xu); Li, XW (Li, Xiaowei); Wang, SC (Wang, Shichao); Chu, PK (Chu, Paul K.); Zhang, YH (Zhang, Yihe)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 7 期: 1 页: 482-492 DOI: 10.1021/am5065409 出版年: JAN 14 2015

第 27 条，共 85 条

标题: Construction of g-C3N4/S-g-C3N4 metal-free isotype heterojunctions with an enhanced charge driving force and their photocatalytic performance under anoxic conditions

作者: Hu, SZ (Hu, Shaozheng); Ma, L (Ma, Lin); Li, FY (Li, Fayun); Fan, ZP (Fan, Zhiping); Wang, Q (Wang, Qiong); Bai, J (Bai, Jin); Kang, XX (Kang, Xiaoxue); Wu, G (Wu, Guang)

来源出版物: RSC Advances 卷: 5 期: 110 页: 90750-90756 DOI: 10.1039/c5ra15611d 出版年: 2015

第 28 条，共 85 条

标题: A Zn(II) coordination polymer and its photocycloaddition product: syntheses, structures, selective luminescence sensing of iron(III) ions and selective absorption of dyes

作者: Hu, FL (Hu, Fei-long); Shi, YX (Shi, Yi-Xiang); Chen, HH (Chen, Huan-Huan); Lang, JP (Lang, Jian-Ping)

来源出版物: DALTON TRANSACTIONS 卷: 44 期: 43 页: 18795-18803 DOI: 10.1039/c5dt03094c 出版年: 2015

第 29 条，共 85 条

标题: Enhanced Photocatalytic Property of Cu Doped Sodium Niobate

作者: Xu, JB (Xu, Jianbin); Zhang, F (Zhang, Feng); Sun, BY (Sun, Bingyang); Du, YG (Du, Yingge); Li, GQ (Li, Guoqiang); Zhang, WF (Zhang, Weifeng)

来源出版物: INTERNATIONAL JOURNAL OF PHOTOENERGY 文献号: 846121 DOI: 10.1155/2015/846121 出版年: 2015

第 30 条，共 85 条

标题: Synthesis and characterization of BN/Bi2WO6 composite photocatalysts with enhanced visible-light photocatalytic activity

作者: Li, WB (Li, Weibin); Wang, Q (Wang, Qi); Huang, LY (Huang, Liying); Li, YP (Li, Yeping); Xu, YG (Xu, Yuanguo); Song, YH (Song, Yanhua); Zhang, Q (Zhang, Qi); Xu, H (Xu, Hui); Li, HM (Li, Huaming)

来源出版物: RSC ADVANCES 卷: 5 期: 108 页: 88832-88840 DOI: 10.1039/c5ra15417k 出版年: 2015

第 31 条，共 85 条

标题: Improvement of photocatalytic oxidation activity on a WO3/TiO2 heterojunction composite photocatalyst with broad spectral response

作者: Ma, BJ (Ma, Baojun); Kim, J (Kim, Jinsu); Wang, T (Wang, Ting); Li, J (Li, Jie); Lin, KY (Lin, Keying); Liu, WY (Liu, Wanyi); Woo, S (Woo, Seongihl)

来源出版物: RSC ADVANCES 卷: 5 期: 97 页: 79815-79819 DOI: 10.1039/c5ra15378f 出版年: 2015

第 32 条，共 85 条

标题: Flower-like Bi2S3/Bi2MoO6 heterojunction superstructures with enhanced visible-light-driven photocatalytic activity

作者: Zhang, JL (Zhang, Junlei); Zhang, LS (Zhang, Lisha); Yu, N (Yu, Nuo); Xu, KB (Xu, Kaibing); Li, SJ (Li, Shijie); Wang, HL (Wang, Huanli); Liu, JS (Liu, Jianshe)

来源出版物: RSC ADVANCES 卷: 5 期: 92 页: 75081-75088 DOI: 10.1039/c5ra13148k 出版年: 2015

第 33 条，共 85 条

标题: Evidence of rutile-to-anatase photo-induced electron transfer in mixed-phase TiO2 by solid-state NMR spectroscopy

作者: Sun, XM (Sun, Xiaoming); Dai, WL (Dai, Weili); Wu, GJ (Wu, Guangjun); Li, LD (Li, Landong); Guan, NJ (Guan, Naijia); Hunger, M (Hunger, Michael)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 期: 72 页: 13779-13782 DOI: 10.1039/c5cc04971g 出版年: 2015

第 34 条，共 85 条

标题: Ag2O modified g-C3N4 for highly efficient photocatalytic hydrogen generation under visible light irradiation

作者: Wu, M (Wu, Ming); Yan, JM (Yan, Jun-Min); Zhang, XW (Zhang, Xue-Wei); Zhao, M (Zhao, Ming); Jiang, Q (Jiang, Qing)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 30 页: 15710-15714 DOI: 10.1039/c5ta03358f 出版年: 2015

第 35 条，共 85 条

标题: Rational design of a charge shunt: modification upon crystal facet engineering of semiconductor photocatalysts

作者: Feng, WH (Feng, Wenhui); Weng, SX (Weng, Sunxian); Zheng, ZY (Zheng, Zuyang); Fang, ZB (Fang, Zhibin); Liu, P (Liu, Ping)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 期: 56 页: 11186-11189 DOI: 10.1039/c5cc02700d 出版年: 2015

第 36 条，共 85 条

标题: One-pot template-free synthesis of heterophase BiVO4 microspheres with enhanced photocatalytic activity

作者: Hu, Y (Hu, Yin); Li, DZ (Li, Danzhen); Sun, FQ (Sun, Fuqian); Wang, HB (Wang, Huibin); Weng, YQ (Weng, Yaqing); Xiong, W (Xiong, Wei); Shao, Y (Shao, Yu)

来源出版物: RSC ADVANCES 卷: 5 期: 68 页: 54882-54889 DOI: 10.1039/c5ra09785a 出版年: 2015

第 37条，共 85 条

标题: Highly-efficient cocatalyst-free H-2-evolution over silica-supported CdS nanoparticle photocatalysts under visible light

作者: Yu, GY (Yu, Guiyang); Geng, LL (Geng, Longlong); Wu, SJ (Wu, Shujie); Yan, WF (Yan, Wenfu); Liu, G (Liu, Gang)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 51 期: 53 页: 10676-10679 DOI: 10.1039/c5cc02249e 出版年: 2015

第38 条，共 85 条

标题: A general method for type I and type II g-C3N4/g-C3N4 metal-free isotype heterostructures with enhanced visible light photocatalysis

作者: Dong, F (Dong, Fan); Ni, ZL (Ni, Zilin); Li, PD (Li, Peidong); Wu, ZB (Wu, Zhongbiao)

来源出版物: NEW JOURNAL OF CHEMISTRY 卷: 39 期: 6 页: 4737-4744 DOI: 10.1039/c5nj00351b 出版年: 2015

第 39 条，共 85 条

标题: One-pot synthesis and Nb4N5 surface modification of Nb4+ self-doped KNbO3 nanorods for enhanced visible-light-driven hydrogen production

作者: Wang, JQ (Wang, Jianqiang); Wang, X (Wang, Xia); Cui, ZT (Cui, Zhentao); Liua, B (Liua, Bing); Cao, MH (Cao, Minhua)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 21 页: 14185-14192 DOI: 10.1039/c5cp01199j 出版年: 2015

第 40 条，共 85 条

标题: Steering charge kinetics in photocatalysis: intersection of materials syntheses, characterization techniques and theoretical simulations

作者: Bai, S (Bai, Song); Jiang, J (Jiang, Jun); Zhang, Q (Zhang, Qun); Xiong, YJ (Xiong, Yujie)

来源出版物: CHEMICAL SOCIETY REVIEWS 卷: 44 期: 10 页: 2893-2939 DOI: 10.1039/c5cs00064e 出版年: 2015

第 41 条，共 85 条

标题: Preparation of ZnFe2O4 nanostructures and highly efficient visible-light-driven hydrogen generation with the assistance of nanoheterostructures 作者: Song, H (Song, Hui); Zhu, LP (Zhu, Liping); Li, YG (Li, Yaguang); Lou, ZR (Lou, Zirui); Xiao, M (Xiao, Mu); Ye, ZZ (Ye, Zhizhen)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 16 页: 8353-8360 DOI: 10.1039/c5ta00737b 出版年: 2015

第 42 条，共 85 条

标题: Simultaneous broadband near-infrared emission and magnetic properties of single phase Ni2+-doped beta-Ga2O3 nanocrystals via mediated phase-controlled synthesis

作者: Ye, SY (Ye, Suiying); Zhang, YH (Zhang, Yuanhao); He, HL (He, Huilin); Qiu, JR (Qiu, Jianrong); Dong, GP (Dong, Guoping)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY C 卷: 3 期: 12 页: 2886-2896 DOI: 10.1039/c4tc02624a 出版年: 2015

第 43 条，共 85 条

标题: Tailoring the electronic structure of beta-Ga2O3 by non-metal doping from hybrid density functional theory calculations

作者: Guo, WY (Guo, Weiyan); Guo, YT (Guo, Yating); Dong, H (Dong, Hao); Zhou, X (Zhou, Xin)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 8 页: 5817-5825 DOI: 10.1039/c4cp05637j 出版年: 2015

第 44 条，共 85 条

标题: Engineering heterogeneous semiconductors for solar water splitting

作者: Li, X (Li, Xin); Yu, JG (Yu, Jiaguo); Low, JX (Low, Jingxiang); Fang, YP (Fang, Yueping); Xiao, J (Xiao, Jing); Chen, XB (Chen, Xiaobo)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 3 期: 6 页: 2485-2534 DOI: 10.1039/c4ta04461d 出版年: 2015

第 45 条，共 85 条

标题: Synthesis of NiGa2O4 Octahedron Nanocrystal with Exposed {111} Facets and Enhanced Efficiency of Photocatalytic Water Splitting

作者: Zhou, SX (Zhou, Shi-Xiong); Lv, XJ (Lv, Xiao-Jun); Zhang, C (Zhang, Chen); Huang, X (Huang, Xing); Kang, L (Kang, Lei); Lin, ZS (Lin, Zhe-shuai); Chen, Y (Chen, Yong); Fu, WF (Fu, Wen-Fu)

来源出版物: CHEMPLUSCHEM 卷: 80 期: 1 页: 223-230 DOI: 10.1002/cplu.201402279 出版年: JAN 2015

第 46 条，共 85 条

标题: Graphene oxide-assisted synthesis and photocatalytic hydrogen production of mix-phase titanium dioxide (TiO2) nanosheets

作者: Cai, FP (Cai, Fanpeng); Tang, YB (Tang, Yubin); Shen, H (Shen, Hao); Wang, C (Wang, Chao); Ren, A (Ren, Ao); Xiao, LS (Xiao, Lisong); Gu, W (Gu, Wei); Shi, WD (Shi, Weidong)

来源出版物: CRYSTENGCOMM 卷: 17 期: 5 页: 1086-1091 DOI: 10.1039/c4ce01776e 出版年: 2015

第 47 条，共 85 条

标题: Efficient synthesis of MoS2 nanoparticles modified TiO2 nanobelts with enhanced visible-light-driven photocatalytic activity

作者: Liu, H (Liu, Hui); Lv, T (Lv, Ting); Zhu, CK (Zhu, Chunkui); Su, X (Su, Xing); Zhu, ZF (Zhu, Zhenfeng)

来源出版物: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL 卷: 396 页: 136-142 DOI: 10.1016/j.molcata.2014.10.002 出版年: JAN 2015

第 48 条，共 85 条

标题: A novel photoelectrocatalytic approach for water splitting by an I-BiOCl/bipolar membrane sandwich structure

作者: Liu, X (Liu, Xian); Yang, HM (Yang, Huimin); Dai, HY (Dai, Hongyan); Mao, XM (Mao, Xiaoming); Liang, ZH (Liang, Zhenhai)

来源出版物: GREEN CHEMISTRY 卷: 17 期: 1 页: 199-203 DOI: 10.1039/c4gc01610f 出版年: 2015

第 49 条，共 85 条

标题: Durability, inactivation and regeneration of silver tetratantalate in photocatalytic H-2 evolution

作者: Dong, HJ (Dong, Hongjun); Chen, G (Chen, Gang); Sun, JX (Sun, Jingxue); Li, CM (Li, Chunmei); Lv, CD (Lv, Chade); Hu, YD (Hu, Yidong)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 17 期: 2 页: 795-799 DOI: 10.1039/c4cp04273e 出版年: 2015

第 50 条，共 85 条

标题: Novel BiIO4/BiVO4 composite photocatalyst with highly improved visible-light-induced photocatalytic performance for rhodamine B degradation and photocurrent generation

作者: Huang, HW (Huang, Hongwei); Liu, LY (Liu, Liyuan); Zhang, YH (Zhang, Yihe); Tian, N (Tian, Na)

来源出版物: RSC ADVANCES 卷: 5 期: 2 页: 1161-1167 DOI: 10.1039/c4ra12916d 出版年: 2015

第 51 条，共 85 条

标题: Construction of Teethlike Homojunction BiOCl (001) Nanosheets by Selective Etching and Its High Photocatalytic Activity

作者: Weng, SX (Weng, Sunxian); Fang, ZB (Fang, Zhibin); Wang, ZF (Wang, Zhenfeng); Zheng, ZY (Zheng, Zuyang); Feng, WH (Feng, Wenhui); Liu, P (Liu, Ping)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 6 期: 21 页: 18423-18428 DOI: 10.1021/am5052526 出版年: NOV 12 2014

第 52条，共 85 条

标题: One-pot synthesis of ZnO/ZnGa2O4 heterojunction with X/XY structure for improved photocatalytic activity

作者: Ma, BJ (Ma Baojun); Lin, KY (Lin Keying); Su, WG (Su Weiguang); Liu, WY (Liu Wanyi)

来源出版物: APPLIED SURFACE SCIENCE 卷: 317 页: 682-687 DOI: 10.1016/j.apsusc.2014.08.089 出版年: OCT 30 2014

第 53 条，共 85 条

标题: Self-Assembled Metastable gamma-Ga2O3 Nanofl owers with Hexagonal Nanopetals for Solar-Blind Photodetection

作者: Teng, Y (Teng, Yue); Song, LX (Song, Le Xin); Ponchel, A (Ponchel, Anne); Yang, ZK (Yang, Zheng Kun); Xia, J (Xia, Juan)

来源出版物: ADVANCED MATERIALS 卷: 26 期: 36 页: 6238-6243 DOI: 10.1002/adma.201402047 出版年: SEP 24 2014

第 54 条，共 85 条

标题: Fabrication and Photocatalytic Performance of GaN/ZnO Composites

作者: Peng, D (Peng Dan); Zheng, XJ (Zheng Xue-Jun); Xie, SF (Xie Shu-Fan); Luo, XJ (Luo Xiao-Ju); Wang, D (Wang Ding)

来源出版物: JOURNAL OF INORGANIC MATERIALS 卷: 29 期: 9 页: 956-960 出版年: SEP 20 2014

第 55 条，共 85 条

标题: One-pot synthesis of ternary Ag2CO3/Ag/AgCl photocatalyst in natural geothermal water with enhanced photocatalytic activity under visible light irradiation

作者: Yao, XX (Yao, Xiaxi); Liu, XH (Liu, Xiaoheng)

来源出版物: JOURNAL OF HAZARDOUS MATERIALS 卷: 280 页: 260-268 DOI: 10.1016/j.jhazmat.2014.07.079 出版年: SEP 15 2014

第 56 条，共 85 条

标题: Synthesis of Novel Two-Phase Co@SiO2 Nanorattles with High Catalytic Activity

作者: Yan, N (Yan, Nan); Zhao, Z (Zhao, Ziang); Li, Y (Li, Yan); Wang, F (Wang, Fang); Zhong, H (Zhong, Hao); Chen, QW (Chen, Qianwang)

来源出版物: INORGANIC CHEMISTRY 卷: 53 期: 17 页: 9073-9079 DOI: 10.1021/ic501092k 出版年: SEP 1 2014

第 67 条，共 85 条

标题: Enhancement of photocatalytic activity for BiPO4 via phase junction

作者: Zhu, YY (Zhu, Yanyan); Liu, YF (Liu, Yanfang); Lv, YH (Lv, Yanhui); Ling, Q (Ling, Qiang); Liu, D (Liu, Di); Zhu, YF (Zhu, Yongfa)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 32 页: 13041-13048 DOI: 10.1039/c4ta01807a 出版年: AUG 28 2014

第 58 条，共 85 条

标题: A two-step synthesis of NaTaO3 microspheres for photocatalytic water splitting

作者: Li, YX (Li, Yingxuan); Gou, HG (Gou, Huange); Lu, JJ (Lu, Jianjiang); Wang, CY (Wang, Chuanyi)

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY 卷: 39 期: 25 页: 13481-13485 DOI: 10.1016/j.ijhydene.2014.03.023 出版年: AUG 22 2014

第 59 条，共 85 条

标题: Charge separation in facet-engineered chalcogenide photocatalyst: a selective photocorrosion approach

作者: Li, NX (Li, Naixu); Liu, MC (Liu, Maochang); Zhou, ZH (Zhou, Zhaohui); Zhou, JC (Zhou, Jiancheng); Sun, YM (Sun, Yueming); Guo, LJ (Guo, Liejin)

来源出版物: NANOSCALE 卷: 6 期: 16 页: 9695-9702 DOI: 10.1039/c4nr02068e 出版年: AUG 21 2014

第 60 条，共 85 条

标题: Facile Synthesis of Porous Zn2Ti3O8 Nanorods for Photocatalytic Overall Water Splitting

作者: Qu, Y (Qu, Yang); Zhou, W (Zhou, Wei); Ren, ZY (Ren, Zhiyu); Wang, GF (Wang, Guofeng); Jiang, BJ (Jiang, Baojiang); Fu, HG (Fu, Honggang)

来源出版物: CHEMCATCHEM 卷: 6 期: 8 页: 2258-2262 DOI: 10.1002/cctc.201402184 出版年: AUG 2014

第 61 条，共 85 条

标题: Phase Evolution of Ga2O3 Produced from Morphology-Controllable alpha-GaOOH Nanocrystals

作者: Shi, LH (Shi, Lihui); Zhang, J (Zhang, Jian); Wu, S (Wu, Si); Li, YG (Li, Yingai); Jiang, LN (Jiang, Lina); Cui, QL (Cui, Qiliang)

来源出版物: JOURNAL OF THE AMERICAN CERAMIC SOCIETY 卷: 97 期: 8 页: 2607-2614 DOI: 10.1111/jace.12953 出版年: AUG 2014

第 62 条，共 85 条

标题: Functionalized nanostructures for enhanced photocatalytic performance under solar light

作者: Guo, LJ (Guo, Liejin); Jing, DW (Jing, Dengwei); Liu, MC (Liu, Maochang); Chen, YB (Chen, Yubin); Shen, SH (Shen, Shaohua); Shi, JW (Shi, Jinwen); Zhang, K (Zhang, Kai)

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY 卷: 5 页: 994-1004 DOI: 10.3762/bjnano.5.113 出版年: JUL 9 2014

第 63 条，共 85 条

标题: Strategies for improving the efficiency of semiconductor metal oxide photocatalysis

作者: Djurisic, AB (Djurisic, Aleksandra B.); Leung, YH (Leung, Yu Hang); Ng, AMC (Ng, Alan Man Ching)

来源出版物: MATERIALS HORIZONS 卷: 1 期: 4 页: 400-410 DOI: 10.1039/c4mh00031e 出版年: JUL 2014

第 64 条，共 85 条

标题: Enhancement of the Efficiency of Photocatalytic Reduction of Protons to Hydrogen via Molecular Assembly

作者: Wu, LZ (Wu, Li-Zhu); Chen, B (Chen, Bin); Li, ZJ (Li, Zhi-Jun); Tung, CH (Tung, Chen-Ho)

来源出版物: ACCOUNTS OF CHEMICAL RESEARCH 卷: 47 期: 7 页: 2177-2185 DOI: 10.1021/ar500140r 出版年: JUL 2014

第 65 条，共 85 条

标题: Effect of Surface Phase Transition and Pt Loading of BiOBr Nanosheets on Synergistic Photocatalysis

作者: Song, XL (Song Xiao-Long); Mu, K (Mu Kai); Wang, CH (Wang Chang-Hua)

来源出版物: CHINESE JOURNAL OF INORGANIC CHEMISTRY 卷: 30 期: 7 页: 1609-1615 出版年: JUL 2014

第 66 条，共 85 条

标题: A new strategy to realize efficient spacial charge separation on carbonaceous photocatalyst

作者: Zhao, Y (Zhao, Yingqiang); Ma, MY (Ma, Ming-Yue); Cui, GW (Cui, Guan-Wei); Shi, XF (Shi, Xi-Feng); Han, FY (Han, Feng-Yun); Xia, XY (Xia, Xin-Yuan); Tang, B (Tang, Bo)

来源出版物: CARBON 卷: 73 页: 333-337 DOI: 10.1016/j.carbon.2014.02.071 出版年: JUL 2014

第 67 条，共 85 条

标题: Enhanced Photocatalytic Hydrogen Evolution over Hierarchical Composites of ZnIn2S4 Nanosheets Grown on MoS2 Slices

作者: Tian, GH (Tian, Guohui); Chen, YJ (Chen, Yajie); Ren, ZY (Ren, Zhiyu); Tian, CG (Tian, Chungui); Pan, K (Pan, Kai); Zhou, W (Zhou, Wei); Wang, JQ (Wang, Jiaqi); Fu, HG (Fu, Honggang)

来源出版物: CHEMISTRY-AN ASIAN JOURNAL 卷: 9 期: 5 页: 1291-1297 DOI: 10.1002/asia.201301646 出版年: MAY 2014

第 68 条，共 85条

标题: A unified intermediate and mechanism for soot combustion on potassium-supported oxides

作者: Li, Q (Li, Qian); Wang, X (Wang, Xiao); Xin, Y (Xin, Ying); Zhang, ZL (Zhang, Zhaoliang); Zhang, YX (Zhang, Yexin); Hao, C (Hao, Ce); Meng, M (Meng, Ming); Zheng, LR (Zheng, Lirong); Zheng, L (Zheng, Lei)

来源出版物: SCIENTIFIC REPORTS 卷: 4 文献号: 4725 DOI: 10.1038/srep04725 出版年: APR 17 2014

第 69 条，共 85 条

标题: Open-Framework Gallium Borate with Boric and Metaboric Acid Molecules inside Structural Channels Showing Photocatalysis to Water Splitting

作者: Gao, WL (Gao, Wenliang); Jing, Y (Jing, Yan); Yang, J (Yang, Jia); Zhou, ZY (Zhou, Zhengyang); Yang, DF (Yang, Dingfeng); Sun, JL (Sun, Junliang); Lin, JH (Lin, Jianhua); Cong, RH (Cong, Rihong); Yang, T (Yang, Tao)

来源出版物: INORGANIC CHEMISTRY 卷: 53 期: 5 页: 2364-2366 DOI: 10.1021/ic403175w 出版年: MAR 3 2014

第 70 条，共 85 条

标题: Investigation on AgGaSe2 for water splitting from first-principles calculations

作者: Huang, D (Huang, Dan); Persson, C (Persson, Clas); Ju, ZP (Ju, Zhiping); Dou, MF (Dou, Maofeng); Yao, CM (Yao, Chunmei); Guo, J (Guo, Jin)

来源出版物: EPL 卷: 105 期: 3 文献号: 37007 DOI: 10.1209/0295-5075/105/37007 出版年: FEB 2014

第 71 条，共 85 条

标题: A superior photocatalytic performance of a novel Bi2SiO5 flower-like microsphere via a phase junction

作者: Liu, D (Liu, Di); Wang, J (Wang, Jun); Zhang, M (Zhang, Mo); Liu, YF (Liu, Yanfang); Zhu, YF (Zhu, Yongfa)

来源出版物: NANOSCALE 卷: 6 期: 24 页: 15222-15227 DOI: 10.1039/c4nr05058d 出版年: 2014

第 72 条，共 85 条

标题: Hetero-nanostructured suspended photocatalysts for solar-to-fuel conversion

作者: Yuan, YP (Yuan, Yu-Peng); Ruan, LW (Ruan, Lin-Wei); Barber, J (Barber, James); Loo, SCJ (Loo, Say Chye Joachim); Xue, C (Xue, Can)

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE 卷: 7 期: 12 页: 3934-3951 DOI: 10.1039/c4ee02914c 出版年: 2014

第 73 条，共 85 条

标题: Phase-dependent photocatalytic H-2 evolution of copper zinc tin sulfide under visible light

作者: Chang, ZX (Chang, Zhi-Xian); Zhou, WH (Zhou, Wen-Hui); Kou, DX (Kou, Dong-Xing); Zhoua, ZJ (Zhoua, Zheng-Ji); Wu, SX (Wu, Si-Xin)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 50 期: 84 页: 12726-12729 DOI: 10.1039/c4cc05654j 出版年: 2014

第 74 条，共 85 条

标题: Electrospun nanofibers of p-type BiFeO3/n-type TiO2 hetero-junctions with enhanced visible-light photocatalytic activity

作者: Yang, YC (Yang, Y. C.); Liu, Y (Liu, Y.); Wei, JH (Wei, J. H.); Pan, CX (Pan, C. X.); Xiong, R (Xiong, R.); Shi, J (Shi, J.)

来源出版物: RSC ADVANCES 卷: 4 期: 60 页: 31941-31947 DOI: 10.1039/c4ra04258a 出版年: 2014

第 75 条，共 85 条

标题: Novel onedimensional Bi2O3-Bi2WO6 p-n hierarchical heterojunction with enhanced photocatalytic activity

作者: Peng, Y (Peng, Yin); Yan, M (Yan, Mei); Chen, QG (Chen, Qing-Guo); Fan, CM (Fan, Cong-Min); Zhou, HY (Zhou, Hai-Yan); Xu, AW (Xu, An-Wu)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 2 期: 22 页: 8517-8524 DOI: 10.1039/c4ta00274a 出版年: 2014

第 76条，共 85 条

标题: Recent advances in synthesis and applications of clay-based photocatalysts: a review

作者: Liu, J (Liu, Jin); Zhang, GK (Zhang, Gaoke)

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷: 16 期: 18 页: 8178-8192 DOI: 10.1039/c3cp54146k 出版年: 2014

第 77 条，共 85 条

标题: Graphitic carbon nitride-BiVO4 heterojunctions: simple hydrothermal synthesis and high photocatalytic performances

作者: Tian, YL (Tian, Yanlong); Chang, BB (Chang, Binbin); Yang, ZC (Yang, Zhichong); Zhou, BC (Zhou, Baocheng); Xi, FN (Xi, Fengna); Dong, XP (Dong, Xiaoping)

来源出版物: RSC ADVANCES 卷: 4 期: 8 页: 4187-4193 DOI: 10.1039/c3ra46079g 出版年: 2014

第 78 条，共 85 条

标题: Improved photocatalytic activity by utilizing the internal electric field of polar semiconductors: a case study of self-assembled NaNbO3 oriented nanostructures

作者: Jiang, LQ (Jiang, Linqin); Zhang, YH (Zhang, Yaohong); Qiu, Y (Qiu, Yu); Yi, ZG (Yi, Zhiguo) 来源出版物: RSC ADVANCES 卷: 4 期: 7 页: 3165-3170 DOI: 10.1039/c3ra45954c 出版年: 2014

第 79条，共 85条

标题: In Situ Construction of g-C3N4/g-C3N4 Metal-Free Heterojunction for Enhanced Visible-Light Photocatalysis

作者: Dong, F (Dong, Fan); Zhao, ZW (Zhao, Zaiwang); Xiong, T (Xiong, Ting); Ni, ZL (Ni, Zilin); Zhang, WD (Zhang, Wendong); Sun, YJ (Sun, Yanjuan); Ho, WK (Ho, Wing-Kei)

来源出版物: ACS APPLIED MATERIALS & INTERFACES 卷: 5 期: 21 页: 11392-11401 DOI: 10.1021/am403653a 出版年: NOV 13 2013

第 80 条，共 85 条

标题: Twin-induced one-dimensional homojunctions yield high quantum efficiency for solar hydrogen generation

作者: Liu, MC (Liu, Maochang); Jing, DW (Jing, Dengwei); Zhou, ZH (Zhou, Zhaohui); Guo, LJ (Guo, Liejin)

来源出版物: NATURE COMMUNICATIONS 卷: 4 文献号: 2278 DOI: 10.1038/ncomms3278 出版年: SEP 2013

第 81 条，共 85 条

标题: Controllable Synthesis of Tetragonal and Cubic Phase Cu2Se Nanowires Assembled by Small Nanocubes and Their Electrocatalytic Performance for Oxygen Reduction Reaction

作者: Liu, SL (Liu, Suli); Zhang, ZS (Zhang, Zengsong); Bao, JC (Bao, Jianchun); Lan, YQ (Lan, Yaqian); Tu, WW (Tu, Wenwen); Han, M (Han, Min); Dai, ZH (Dai, Zhihui)

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C 卷: 117 期: 29 页: 15164-15173 DOI: 10.1021/jp4044122 出版年: JUL 25 2013

第 82 条，共 85 条

标题: Visible-Light-Active Elemental Photocatalysts

作者: Liu, G (Liu, Gang); Niu, P (Niu, Ping); Cheng, HM (Cheng, Hui-Ming)

来源出版物: CHEMPHYSCHEM 卷: 14 期: 5 页: 885-892 DOI: 10.1002/cphc.201201075 出版年: APR 2 2013

第 83 条，共 85 条

标题: Doping La into the depletion layer of the Cd0.6Zn0.4S photocatalyst for efficient H-2 evolution

作者: Yu, YG (Yu, Yao-Guang); Chen, G (Chen, Gang); Hao, LX (Hao, Lin-Xing); Zhou, YS (Zhou, Yan-Song); Wang, Y (Wang, Yu); Pei, J (Pei, Jian); Sun, JX (Sun, Jing-Xue); Han, ZH (Han, Zhong-Hui)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 49 期: 86 页: 10142-10144 DOI: 10.1039/c3cc45568h 出版年: 2013

第 84 条，共 85 条

标题: A novel phase-mixed MgTiO3-MgTi2O5 heterogeneous nanorod for high efficiency photocatalytic hydrogen production

作者: Qu, Y (Qu, Yang); Zhou, W (Zhou, Wei); Xie, Y (Xie, Ying); Jiang, L (Jiang, Le); Wang, JQ (Wang, Jianqiang); Tian, GH (Tian, Guohui); Ren, ZY (Ren, Zhiyu); Tian, CG (Tian, Chungui); Fu, HG (Fu, Honggang)

来源出版物: CHEMICAL COMMUNICATIONS 卷: 49 期: 76 页: 8510-8512 DOI: 10.1039/c3cc43435d 出版年: 2013

第 85 条，共 85 条

标题: Aquatic plant inspired hierarchical artificial leaves for highly efficient photocatalysis

作者: Liu, J (Liu, Jian); Yang, Q (Yang, Qiang); Yang, WT (Yang, Wentao); Li, MZ (Li, Mingzhu); Song, YL (Song, Yanlin)

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A 卷: 1 期: 26 页: 7760-7766 DOI: 10.1039/c3ta11355h 出版年: 2013

…………………………..