大连化物所科技论文奖励申报表

（百次引用论文奖）

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| **论文题目** | **Photocatalytic H2 Evolution on MoS2/CdS Catalysts under Visible Light Irradiation** | | | | |
| **作者（英文）** | **Xu Zong, Guopeng Wu, Hongjian Yan, Guijun Ma, Jingying Shi, Fuyu Wen, Lu Wang, Can Li\*** | | | | |
| **作者（中文）** | **宗旭，吴国鹏，鄢洪建，马贵军，施晶莹，温福宇，王璐，李灿** | | | | |
| **期刊名称** | **Journal of Physical Chemistry C** | | | | |
| **发表日期** | **2010** | **卷** | **114** | **起止页码** | **1963-1968** |
| **总引用次数** | **140** | | | **他引次数** | **134** |
| **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 2016 年 1 月 5 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**

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| --- |
| 第 1 条，共 65 条 |
| 标题: Photocatalytic Hydrogen Evolution from Water Using Copper Gallium Sulfide under Visible-Light Irradiation |
| 作者: Tabata, M (Tabata, Masashi); Maeda, K (Maeda, Kazuhiko); Ishihara, T (Ishihara, Takahiro); Minegishi, T (Minegishi, Tsutomu); Takata, T (Takata, Tsuyoshi); Domen, K (Domen, Kazunari) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 114  期: 25  页: 11215-11220   出版年: JUL 1 2010 |
|  |
| 第 2 条，共 65 条 |
| 标题: Semiconductor-based Photocatalytic Hydrogen Generation |
| 作者: Chen, XB (Chen, Xiaobo); Shen, SH (Shen, Shaohua); Guo, LJ (Guo, Liejin); Mao, SS (Mao, Samuel S.) |
| 来源出版物: CHEMICAL REVIEWS  卷: 110  期: 11  页: 6503-6570   出版年: NOV 2010 |
| 第 3 条，共65 条 |
| 标题: A copper and chromium based nanoparticulate oxide as a noble-metal-free cocatalyst for photocatalytic water splitting |
| 作者: Maeda, K (Maeda, Kazuhiko); Ohno, T (Ohno, Tomoyuki); Domen, K (Domen, Kazunari) |
| 来源出版物: CHEMICAL SCIENCE  卷: 2   页: 1362-1368    出版年: 2011 |
|  |
| 第 4 条，共 65条 |
| 标题: Photodeposition of metal sulfide quantum dots on titanium(IV) dioxide and the applications to solar energy conversion |
| 作者: Tada, H (Tada, Hiroaki); Fujishima, M (Fujishima, Musashi); Kobayashi, H (Kobayashi, Hisayoshi) |
| 来源出版物: CHEMICAL SOCIETY REVIEWS  卷: 40   页: 4232-4243   出版年: 2011 |

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| 第 5 条，共65条 |
| 标题: Sustainable hydrogen production by the application of ambient temperature photocatalysis |
| 作者: Bowker, M (Bowker, Michael) |
| 来源出版物: GREEN CHEMISTRY  卷: 13  期: 9  页: 2235-2246   出版年: 2011 |

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| 第 6 条，共 65 条 |
| 标题: Production of electricity and hydrogen by photocatalytic degradation of organic wastes in a photoelectrochemical cell The concept of the Photofuelcell: A review of a re-emerging research field |
| 作者: Lianos, P (Lianos, Panagiotis) |
| 来源出版物: JOURNAL OF HAZARDOUS MATERIALS  卷: 185  页: 575-590   出版年: JAN 30 2011 |

|  |
| --- |
| 第 7 条，共 65 条 |
| 标题: Green fabrication of La-doped NaTaO3 via H2O2 assisted sol-gel route for photocatalytic hydrogen production |
| 作者: Husin, H (Husin, Husni); Chen, HM (Chen, Hung-Ming); Su, WN (Su, Wei-Nien); Pan, CJ (Pan, Chun-Jern); Chuang, WT (Chuang, Wei-Tsung); Sheu, HS (Sheu, Hwo-Shuenn); Hwang, BJ (Hwang, Bing-Joe) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 102   页: 343-351   出版年: FEB 1 2011 |

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| 第 8 条，共 65 条 |
| 标题: Molybdenum Oxides versus Molybdenum Sulfides: Geometric and Electronic Structures of Mo3Xy- (X = O, S and y=6, 9) Clusters |
| 作者: Mayhall, NJ (Mayhall, Nicholas J.); Becher, EL (Becher, Edwin L., III); Chowdhury, A (Chowdhury, Arefin); Raghavachari, K (Raghavachari, Krishnan) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY A  卷: 115   页: 2291-2296   出版年: MAR 24 2011 |

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| 第 9 条，共65 条 |
| 标题: Heterogeneous photocatalytic hydrogen production from water and biomass derivatives |
| 作者: Shimura, K (Shimura, Katsuya); Yoshida, H (Yoshida, Hisao) |
| 来源出版物: ENERGY & ENVIRONMENTAL SCIENCE  卷: 4  期: 7  页: 2467-2481   出版年: JUL 2011 |
| 第 10 条，共 65 条 |
| 标题: Self-Assembly of Nanosized 0D Clusters: CdS Quantum Dot-Polyoxotungstate Nanohybrids with Strongly Coupled Electronic Structures and Visible-Light-Active Photofunctions |
| 作者: Kim, HN (Kim, Hyo Na); Kim, TW (Kim, Tae Woo); Choi, KH (Choi, Kyong-Hoon); Kim, IY (Kim, In Young); Kim, YR (Kim, Yong-Rok); Hwang, SJ (Hwang, Seong-Ju) |
| 来源出版物: CHEMISTRY-A EUROPEAN JOURNAL  卷: 17  期: 35  页: 9626-9633  出版年: AUG 2011 |

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| 第 11 条，共 65 条 |
| 标题: Core-shell MoO3-MoS2 Nanowires for Hydrogen Evolution: A Functional Design for Electrocatalytic Materials |
| 作者: Chen, ZB (Chen, Zhebo); Cummins, D (Cummins, Dustin); Reinecke, BN (Reinecke, Benjamin N.); Clark, E (Clark, Ezra); Sunkara, MK (Sunkara, Mahendra K.); Jaramillo, TF (Jaramillo, Thomas F.) |
| 来源出版物: NANO LETTERS  卷: 11  期: 10  页: 4168-4175   出版年: OCT 2011 |

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| --- |
| 第 12 条，共 65 条 |
| 标题: Hierarchical 3D NiO-CdS heteroarchitecture for efficient visible light photocatalytic hydrogen generation |
| 作者: Khan, Z (Khan, Ziyauddin); Khannam, M (Khannam, Momina); Vinothkumar, N (Vinothkumar, Natarajan); De, M (De, Mahuya); Qureshi, M (Qureshi, Mohammad) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY  卷: 22  期: 24  页: 12090-12095   出版年: 2012 |
|  |
| 第 13 条，共 65 条 |
| 标题: Role of interlayer coupling in ultra thin MoS2 |
| 作者: Cheng, YC (Cheng, Yingchun); Zhu, ZY (Zhu, Zhiyong); Schwingenschlogl, U (Schwingenschloegl, Udo) |
| 来源出版物: RSC ADVANCES  卷: 2  期: 20  页: 7798-7802  DOI: 10.1039/c2ra20132a  出版年: 2012 |

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| 第 14 条，共65 条 |
| 标题: Proton reduction to hydrogen in biological and chemical systems |
| 作者: Tran, PD (Tran, Phong D.); Barber, J (Barber, James) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 14  页: 13772-13784   出版年: 2012 |

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| 第 15 条，共 65 条 |
| 标题: Molybdenum sulfides-efficient and viable materials for electro - and photoelectrocatalytic hydrogen evolution |
| 作者: Laursen, AB (Laursen, Anders B.); Kegnaes, S (Kegnaes, Soren); Dahl, S (Dahl, Soren); Chorkendorff, I (Chorkendorff, Ib) |
| 来源出版物: ENERGY & ENVIRONMENTAL SCIENCE  卷: 5  页: 5577-5591  出版年: FEB 2012 |

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| 第 16 条，共 65 条 |
| 标题: Recent advances in hybrid photocatalysts for solar fuel production |
| 作者: Tran, PD (Tran, Phong D.); Wong, LH (Wong, Lydia H.); Barber, J (Barber, James); Loo, JSC (Loo, Joachim S. C.) |
| 来源出版物: ENERGY & ENVIRONMENTAL SCIENCE  卷: 5   页: 5902-5918   出版年: MAR 2012 |

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| 第 17 条，共65 条 |
| 标题: Dissociation of H2O at the vacancies of single-layer MoS2 |
| 作者: Ataca, C (Ataca, C.); Ciraci, S (Ciraci, S.) |
| 来源出版物: PHYSICAL REVIEW B  卷: 85  期: 19  文献号: 195410   出版年: MAY 7 2012 |

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| 第 18 条，共65 条 |
| 标题: van der Waals Epitaxy of MoS2 Layers Using Graphene As Growth Templates |
| 作者: Shi, YM (Shi, Yumeng); Zhou, W (Zhou, Wu); Lu, AY (Lu, Ang-Yu); Fang, WJ (Fang, Wenjing); Lee, YH (Lee, Yi-Hsien); Hsu, AL (Hsu, Allen Long); Kim, SM (Kim, Soo Min); Kim, KK (Kim, Ki Kang); Yang, HY (Yang, Hui Ying); Li, LJ (Li, Lain-Jong); Idrobo, JC (Idrobo, Juan-Carlos); Kong, J (Kong, Jing) |
| 来源出版物: NANO LETTERS  卷: 12  期: 6  页: 2784-2791  出版年: JUN 2012 |
|  |
| 第 19 条，共 65 条 |
| 标题: Synthesis and Efficient Visible Light Photocatalytic Hydrogen Evolution of Polymeric g-C3N4 Coupled with CdS Quantum Dots |
| 作者: Ge, L (Ge, Lei); Zuo, F (Zuo, Fan); Liu, JK (Liu, Jikai); Ma, Q (Ma, Quan); Wang, C (Wang, Chen); Sun, DZ (Sun, Dezheng); Bartels, L (Bartels, Ludwig); Feng, PY (Feng, Pingyun) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 116   页: 13708-13714   出版年: JUN 28 2012 |
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| 第 20 条，共65 条 |
| 标题: Photocatalytic Hydrogen Production and Oxygenate Photoreforming |
| 作者: Bowker, M (Bowker, Michael) |
| 来源出版物: CATALYSIS LETTERS  卷: 142  页: 923-929  出版年: AUG 2012 |

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| 第 21 条，共65 条 |
| 标题: Copper molybdenum sulfide: a new efficient electrocatalyst for hydrogen production from water |
| 作者: Tran, PD (Tran, Phong D.); Nguyen, M (Mai Nguyen); Pramana, SS (Pramana, Stevin S.); Bhattacharjee, A (Bhattacharjee, Anirban); Chiam, SY (Chiam, Sing Yang); Fize, J (Fize, Jennifer); Field, MJ (Field, Martin J.); Artero, V (Artero, Vincent); Wong, LH (Wong, Lydia H.); Loo, J (Loo, Joachim); Barber, J (Barber, James) |
| 来源出版物: ENERGY & ENVIRONMENTAL SCIENCE  卷: 5   页: 8912-8916  出版年: OCT 2012 |

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| 第 22 条，共 65 条 |
| 标题: Bifunctional Rhodium Cocatalysts for Photocatalytic Steam Reforming of Methane over Alkaline Titanate |
| 作者: Shimura, K (Shimura, Katsuya); Kawai, H (Kawai, Hiromasa); Yoshida, T (Yoshida, Tomoko); Yoshida, H (Yoshida, Hisao) |
| 来源出版物: ACS CATALYSIS  卷: 2   页: 2126-2134 出版年: OCT 2012 |

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| 第 23 条，共65 条 |
| 标题: Novel Assembly of an MoS2 Electrocatalyst onto a Silicon Nanowire Array Electrode to Construct a Photocathode Composed of Elements Abundant on the Earth for Hydrogen Generation |
| 作者: Tran, PD (Tran, Phong D.); Pramana, SS (Pramana, Stevin S.); Kale, VS (Kale, Vinayak S.); Nguyen, M (Mai Nguyen); Chiam, SY (Chiam, Sing Yang); Batabyal, SK (Batabyal, Sudip K.); Wong, LH (Wong, Lydia H.); Barber, J (Barber, James); Loo, J (Loo, Joachim) |
| 来源出版物: CHEMISTRY-A EUROPEAN JOURNAL  卷: 18  页: 13994-13999   出版年: OCT 2012 |
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| 第 24 条，共 65 条 |
| 标题: The influence of carbon content on the structure and properties of MoSxCy photocatalysts for light-driven hydrogen generation |
| 作者: Djamil, J (Djamil, John); Segler, SA (Segler, Stephan A.); Dabrowski, A (Dabrowski, Alexandra); Bensch, W (Bensch, Wolfgang); Lotnyk, A (Lotnyk, Andriy); Schurmann, U (Schuermann, Ulrich); Kienle, L (Kienle, Lorenz); Hansen, S (Hansen, Sven); Beweries, T (Beweries, Torsten) |
| 来源出版物: DALTON TRANSACTIONS  卷: 42   页: 1287-1292  出版年: 2013 |

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| 第 25 条，共 65 条 |
| 标题: In situ photo-assisted deposition of MoS2 electrocatalyst onto zinc cadmium sulphide nanoparticle surfaces to construct an efficient photocatalyst for hydrogen generation |
| 作者: Nguyen, M (Mai Nguyen); Tran, PD (Tran, Phong D.); Pramana, SS (Pramana, Stevin S.); Lee, RL (Lee, Rui Lin); Batabyal, SK (Batabyal, Sudip K.); Mathews, N (Mathews, Nripan); Wong, LH (Wong, Lydia H.); Graetzel, M (Graetzel, Michael) |
| 来源出版物: NANOSCALE  卷: 5  期: 4  页: 1479-1482   出版年: 2013 |

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| 第 26 条，共 65 条 |
| 标题: Direct Water Splitting into Hydrogen and Oxygen under Visible Light by using Modified TaON Photocatalysts with d(0) Electronic Configuration |
| 作者: Maeda, K (Maeda, Kazuhiko); Lu, DL (Lu, Daling); Domen, K (Domen, Kazunari) |
| 来源出版物: CHEMISTRY-A EUROPEAN JOURNAL  卷: 19  页: 4986-4991  出版年: APR 2013 |
| 第 27 条，共 65 条 |
| 标题: Selective Decoration of Au Nanoparticles on Monolayer MoS2 Single Crystals |
| 作者: Shi, YM (Shi, Yumeng); Huang, JK (Huang, Jing-Kai); Jin, LM (Jin, Limin); Hsu, YT (Hsu, Yu-Te); Yu, SF (Yu, Siu Fung); Li, LJ (Li, Lain-Jong); Yang, HY (Yang, Hui Ying) |
| 来源出版物: SCIENTIFIC REPORTS  卷: 3  文献号: 1839   出版年: MAY 14 2013 |

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| 第 28 条，共 65 条 |
| 标题: Plasmonic enhancement of photocurrent in MoS2 field-effect-transistor |
| 作者: Lin, JD (Lin, Jiadan); Li, H (Li, Hai); Zhang, H (Zhang, Hua); Chen, W (Chen, Wei) |
| 来源出版物: APPLIED PHYSICS LETTERS  卷: 102  期: 20  文献号: 203109   出版年: MAY 20 2013 |

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| 第 29 条，共 65 条 |
| 标题: The effect of surface area on the photo-catalytic behavior of ZrO2/carbon clusters composite materials |
| 作者: Matsui, H (Matsui, H.); Ohkura, N (Ohkura, N.); Karuppuchamy, S (Karuppuchamy, S.); Yoshihara, M (Yoshihara, M.) |
| 来源出版物: CERAMICS INTERNATIONAL  卷: 39  5  页: 5827-5831   出版年: JUL 2013 |
|  |
| 第 30 条，共 65 条 |
| 标题: Solar Hydrogen Generation by Nanoscale p-n Junction of p-type Molybdenum Disulfide/n-type Nitrogen-Doped Reduced Graphene Oxide |
| 作者: Meng, FK (Meng, Fanke); Li, JT (Li, Jiangtian); Cushing, SK (Cushing, Scott K.); Zhi, MJ (Zhi, Mingjia); Wu, NQ (Wu, Nianqiang) |
| 来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY  卷: 135  期: 28  页: 10286-10289   出版年: JUL 17 2013 |
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| 第 31 条，共 65 条 |
| 标题: Elucidating the Photoresponse of Ultrathin MoS2 Field-Effect Transistors by Scanning Photocurrent Microscopy |
| 作者: Wu, CC (Wu, Chung-Chiang); Jariwala, D (Jariwala, Deep); Sangwan, VK (Sangwan, Vinod K.); Marks, TJ (Marks, Tobin J.); Hersam, MC (Hersam, Mark C.); Lauhon, LJ (Lauhon, Lincoln J.) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY LETTERS  卷: 4  期: 15  页: 2508-2513    出版年: AUG 1 2013 |
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| 第 32 条，共65 条 |
| 标题: Modulating electronic transport properties of MoS2 field effect transistor by surface overlayers |
| 作者: Lin, JD (Lin, Jiadan); Zhong, JQ (Zhong, Jianqiang); Zhong, S (Zhong, Shu); Li, H (Li, Hai); Zhang, H (Zhang, Hua); Chen, W (Chen, Wei) |
| 来源出版物: APPLIED PHYSICS LETTERS  卷: 103  期: 6  文献号: 063109  出版年: AUG 5 2013 |
|  |
| 第 33 条，共 65 条 |
| 标题: A H-2-evolving photocathode based on direct sensitization of MoS3 with an organic photovoltaic cell |
| 作者: Bourgeteau, T (Bourgeteau, Tiphaine); Tondelier, D (Tondelier, Denis); Geffroy, B (Geffroy, Bernard); Brisse, R (Brisse, Romain); Laberty-Robert, C (Laberty-Robert, Christel); Campidelli, S (Campidelli, Stephane); de Bettignies, R (de Bettignies, Remi); Artero, V (Artero, Vincent); Palacin, S (Palacin, Serge); Jousselme, B (Jousselme, Bruno) |
| 来源出版物: ENERGY & ENVIRONMENTAL SCIENCE  卷: 6   页: 2706-2713    出版年: SEP 2013 |
|  |
| 第 34 条，共 65条 |
| 标题: One-step solvothermal synthesis of MoS2/TiO2 nanocomposites with enhanced photocatalytic H-2 production |
| 作者: Liu, Q (Liu, Qian); Pu, ZH (Pu, Zonghua); Asiri, AM (Asiri, Abdullah M.); Qusti, AH (Qusti, Abdullah H.); Al-Youbi, AO (Al-Youbi, Abdulrahman O.); Sun, XP (Sun, Xuping) |
| 来源出版物: JOURNAL OF NANOPARTICLE RESEARCH  卷: 15  文献号: UNSP 2057  出版年: OCT 19 2013 |
|  |
| 第 35 条，共 65 条 |
| 标题: Synthesis and photocatalytic performance of europium-doped graphitic carbon nitride |
| 作者: Xu, DD (Xu Dongdong); Li, XN (Li Xiaoni); Liu, J (Liu Juan); Huang, LH (Huang Langhuan) |
| 来源出版物: JOURNAL OF RARE EARTHS  卷: 31   页: 1085-1091    出版年: NOV 2013 |
| 第 36 条，共 65 条 |
| 标题: Graphene Analogues of Inorganic Layered Materials |
| 作者: Rao, CNR (Rao, C. N. R.); Matte, HSSR (Matte, H. S. S. Ramakrishna); Maitra, U (Maitra, Urmimala) |
| 来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION  卷: 52  50  页: 13162-13185   出版年: DEC 9 2013 |

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| 第 37 条，共 65 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   出版年: 2014 |

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| 第 38 条，共 65 条 |
| 标题: Dye-sensitized cobalt catalysts for high efficient visible light hydrogen evolution |
| 作者: Kong, C (Kong, Chao); Min, SX (Min, Shixiong); Lu, GX (Lu, Gongxuan) |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 39   页: 4836-4844   出版年: MAR 26 2014 |

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| 第 39 条，共 65 条 |
| 标题: Visible- Light- Induced Generation of H2 by Nanocomposites of Few- Layer TiS2 and TaS2 with CdS Nanoparticles |
| 作者: Gupta, U (Gupta, Uttam); Rao, BG (Rao, Bolla Govinda); Maitra, U (Maitra, Urmimala); Prasad, BE (Prasad, B. E.); Rao, CNR (Rao, C. N. R.) |
| 来源出版物: CHEMISTRY-AN ASIAN JOURNAL  卷: 9  页: 1311-1315   出版年: MAY 2014 |

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| 第 40 条，共 65 条 |
| 标题: A novel method for the synthesis of Fe3O4 nanoparticles/CdS nanowires heterostructure nanocomposite and uses in photodegradation of methylene blue |
| 作者: Kaboudin, B (Kaboudin, Babak); Kazemi, F (Kazemi, Foad); Ghaderian, A (Ghaderian, Abolfazl); Navidi, E (Navidi, Ehsan); Zand, Z (Zand, Zahra) |
| 来源出版物: JOURNAL OF SULFUR CHEMISTRY  卷: 35   页: 279-289   出版年: MAY 4 2014 |

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| 第 41 条，共 65 条 |
| 标题: Study on the separation mechanisms of photogenerated electrons and holes for composite photocatalysts g-C3N4-WO3 |
| 作者: Chen, SF (Chen, Shifu); Hu, YF (Hu, Yingfei); Meng, SG (Meng, Sugang); Fu, XL (Fu, Xianliang) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 150  页: 564-573   出版年: MAY 5 2014 |

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| 第 42 条，共 65 条 |
| 标题: A novel and simple method for the preparation of hexagonal CdS nanoparticles: synthesis, characterization, and uses in photocatalytic reduction of nitrobenzenes to aminobenzenes using sunlight |
| 作者: Kaboudin, B (Kaboudin, Babak); Kazemi, F (Kazemi, Foad); Ghaderian, A (Ghaderian, Abolfazl); Zand, Z (Zand, Zahra) |
| 来源出版物: JOURNAL OF THE IRANIAN CHEMICAL SOCIETY  卷: 11  期: 4  页: 1121-1127   出版年: AUG 2014 |

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| 第 43 条，共 65 条 |
| 标题: Extraordinary attributes of 2-dimensional MoS2 nanosheets |
| 作者: Rao, CNR (Rao, C. N. R.); Maitra, U (Maitra, Urmimala); Waghmare, UV (Waghmare, Umesh V.) |
| 来源出版物: CHEMICAL PHYSICS LETTERS  卷: 609  页: 172-183  出版年: AUG 5 2014 |

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| 第 44 条，共 65 条 |
| 标题: Characterization of few-layer 1T-MoSe2 and its superior performance in the visible-light induced hydrogen evolution reaction |
| 作者: Gupta, U (Gupta, Uttam); Naidu, BS (Naidu, B. S.); Maitra, U (Maitra, Urmimala); Singh, A (Singh, Anjali); Shirodkar, SN (Shirodkar, Sharmila N.); Waghmare, UV (Waghmare, Umesh V.); Rao, CNR (Rao, C. N. R.) |
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| 第 45 条，共 65 条 |
| 标题: Surface Properties and Photocatalytic Activity of KTaO3, CdS, MoS2 Semiconductors and Their Binary and Ternary Semiconductor Composites |
| 作者: Bajorowicz, B (Bajorowicz, Beata); Cybula, A (Cybula, Anna); Winiarski, MJ (Winiarski, Michal J.); Klimczuk, T (Klimczuk, Tomasz); Zaleska, A (Zaleska, Adriana) |
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| 第 46 条，共65 条 |
| 标题: Enhanced Photochemical Hydrogen Evolution from Fe4S4-Based Biomimetic Chalcogels Containing M2+ (M = Pt, Zn, Co, Ni, Sn) Centers |
| 作者: Shim, Y (Shim, Yurina); Young, RM (Young, Ryan M.); Douvalis, AP (Douvalis, Alexios P.); Dyar, SM (Dyar, Scott M.); Yuhas, BD (Yuhas, Benjamin D.); Bakas, T (Bakas, Thomas); Wasielewski, MR (Wasielewski, Michael R.); Kanatzidis, MG (Kanatzidis, Mercouri G.) |
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| 标题: Catalyzing the Hydrogen Evolution Reaction (HER) with Molybdenum Sulfide Nanomaterials |
| 作者: Benck, JD (Benck, Jesse D.); Hellstern, TR (Hellstern, Thomas R.); Kibsgaard, J (Kibsgaard, Jakob); Chakthranont, P (Chakthranont, Pongkarn); Jaramillo, TF (Jaramillo, Thomas F.) |
| 来源出版物: ACS CATALYSIS  卷: 4  期: 11  页: 3957-3971  出版年: NOV 2014 |

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| 第 48 条，共 65条 |
| 标题: A Linker-Mediated Self-Assembly Method to Couple Isocharged Nanostructures: Layered Double Hydroxide-CdS Nanohybrids with High Activity for Visible-Light-Induced H-2 Generation |
| 作者: Lee, JM (Lee, Jang Mee); Gunjakar, JL (Gunjakar, Jayavant L.); Ham, Y (Ham, Yeilin); Kim, IY (Kim, In Young); Domen, K (Domen, Kazunari); Hwang, SJ (Hwang, Seong-Ju) |
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| 第 49 条，共 65 条 |
| 标题: Pt-free solar driven photoelectrochemical hydrogen fuel generation using 1T MoS2 co-catalyst assembled CdS QDs/TiO2 photoelectrode |
| 作者: Raja, R (Raja, R.); Sudhagar, P (Sudhagar, P.); Devadoss, A (Devadoss, Anitha); Terashima, C (Terashima, C.); Shrestha, LK (Shrestha, L. K.); Nakata, K (Nakata, K.); Jayavel, R (Jayavel, R.); Ariga, K (Ariga, K.); Fujishima, A (Fujishima, A.) |
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| 标题: Tuning the charge transfer route by p-n junction catalysts embedded with CdS nanorods for simultaneous efficient hydrogen and oxygen evolution |
| 作者: Zhang, K (Zhang, Kan); Kim, W (Kim, Wanjung); Ma, M (Ma, Ming); Shi, X (Shi, Xinjian); Park, JH (Park, Jong Hyeok) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 3   页: 4803-4810  出版年: 2015 |

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| 第51 条，共 65 条 |
| 标题: Exploration and optimisation of poly(2,2 '-bithiophene) as a stable photo-electrocatalyst for hydrogen production |
| 作者: Ng, CH (Ng, Chun Hin); Winther-Jensen, O (Winther-Jensen, Orawan); Ohlin, CA (Ohlin, C. Andre); Winther-Jensen, B (Winther-Jensen, Bjorn) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 3  期: 21  页: 11358-11366   出版年: 2015 |

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| 第 52 条，共 65 条 |
| 标题: Facile synthesis of a Ag/MoS2 nanocomposite photocatalyst for enhanced visible-light driven hydrogen gas evolution |
| 作者: Cheah, AJ (Cheah, A. J.); Chiu, WS (Chiu, W. S.); Khiew, PS (Khiew, P. S.); Nakajima, H (Nakajima, H.); Saisopa, T (Saisopa, T.); Songsiriritthigul, P (Songsiriritthigul, P.); Radiman, S (Radiman, S.); Hamid, MAA (Hamid, M. A. A.) |
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| 第 53 条，共 65条 |
| 标题: Inorganic Graphene Analogs |
| 作者: Rao, CNR (Rao, C. N. R.); Maitra, U (Maitra, Urmimala) |
| 编者: Clarke DR |
| 来源出版物: ANNUAL REVIEW OF MATERIALS RESEARCH, VOL 45  丛书: Annual Review of Materials Research  卷: 45  页: 29-62   出版年: 2015 |

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| 第 54 条，共 65 条 |
| 标题: Room temperature synthesis of an amorphous MoS2 based composite stabilized by N-donor ligands and its light-driven photocatalytic hydrogen production |
| 作者: Niefind, F (Niefind, Felix); Djamil, J (Djamil, John); Bensch, W (Bensch, Wolfgang); Srinivasan, BR (Srinivasan, Bikshandarkoil R.); Sinev, I (Sinev, Ilya); Grunert, W (Gruenert, Wolfgang); Deng, M (Deng, Mao); Kienle, L (Kienle, Lorenz); Lotnyk, A (Lotnyk, Andriy); Mesch, MB (Mesch, Maria B.); Senker, J (Senker, Juergen); Dura, L (Dura, Laura); Beweries, T (Beweries, Torsten) |
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| 第 55 条，共 65条 |
| 标题: Hot-wire vapor deposition of amorphous MoS2 thin films |
| 作者: Papadimitropoulos, G (Papadimitropoulos, Georgios); Vourdas, N (Vourdas, Nikolaos); Kontos, A (Kontos, A.); Vasilopoulou, M (Vasilopoulou, Maria); Kouvatsos, DN (Kouvatsos, Dimitrios N.); Boukos, N (Boukos, Nicolas); Gasparotto, A (Gasparotto, Alberto); Barreca, D (Barreca, Davide); Davazoglou, D (Davazoglou, Dimitrios) |
| 编者: Hoffmann P; Knez M; Vahlas C; Alexandrov S |
| 来源出版物: PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 12, NO 7  丛书: Physica Status Solidi C-Current Topics in Solid State Physics  卷: 12  页: 969-974  出版年: 2015 |

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| 第 56 条，共65 条 | |
| 标题: Surface Site Modulations by Conjugated Organic Molecules To Enhance Visible Light Activity of ZnO Nanostructures in Photocatalytic Water Splitting | |
| 作者: George, L (George, Leena); Sappati, S (Sappati, Subrahmanyam); Ghosh, P (Ghosh, Prasenjit); Devi, RN (Devi, R. Nandini) | |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 119   页: 3060-3067 出版年: FEB 12 2015 | |
| 第 57 条，共 65 条 |
| 标题: Two-dimensional dichalcogenides for light-harvesting applications |
| 作者: Peng, B (Peng, Bo); Ang, PK (Ang, Priscilla Kailian); Loh, KP (Loh, Kian Ping) |
| 来源出版物: NANO TODAY  卷: 10  期: 2  页: 128-137   出版年: APR 2015 |

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| 第 58 条，共 65 条 |
| 标题: Comparative Study of Potential Applications of Graphene, MoS2, and Other Two-Dimensional Materials in Energy Devices, Sensors, and Related Areas |
| 作者: Rao, CNR (Rao, C. N. R.); Gopalakrishnan, K (Gopalakrishnan, K.); Maitra, U (Maitra, Urmimala) |
| 来源出版物: ACS APPLIED MATERIALS & INTERFACES  卷: 7  页: 7809-7832 |

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| 第 59 条，共65 条 |
| 标题: Water-Soluble MoS3 Nanoparticles for Photocatalytic H-2 Evolution |
| 作者: Zhang, W (Zhang, Wei); Zhou, TH (Zhou, Tianhua); Zheng, JW (Zheng, Jianwei); Hong, JD (Hong, Jindui); Pan, YX (Pan, Yunxiang); Xu, R (Xu, Rong) |
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| 第 60 条，共 65 条 |
| 标题: Co-promoted MoS2 for hydrodesulfurization: New preparation method of MoS2 at room temperature and observation of massive differences of the selectivity depending on the activation atmosphere |
| 作者: Niefind, F (Niefind, Felix); Bensch, W (Bensch, Wolfgang); Deng, M (Deng, Mao); Kienle, L (Kienle, Lorenz); Cruz-Reyes, J (Cruz-Reyes, Juan); Granados, JMD (Del Valle Granados, Jose Mario) |
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| 第 61 条，共 65 条 |
| 标题: Stabilization of 1T-MoS2 Sheets by Imidazolium Molecules in Self-Assembling Hetero-layered Nanocrystals |
| 作者: Goloveshkin, AS (Goloveshkin, Alexander S.); Bushmarinov, IS (Bushmarinov, Ivan S.); Korlyukov, AA (Korlyukov, Alexander A.); Buzin, MI (Buzin, Mikhail I.); Zaikovskii, VI (Zaikovskii, Vladimir I.); Lenenko, ND (Lenenko, Natalia D.); Golub, AS (Golub, Alexandre S.) |
| 来源出版物: LANGMUIR  卷: 31  页: 8953-8960  出版年: AUG 18 2015 |
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| 第 62 条，共 65 条 |
| 标题: Direct Observation of Photoinduced Charge Separation in Ruthenium Complex/Ni(OH)(2) Nanoparticle Hybrid |
| 作者: Tang, Y (Tang, Yu); Pattengale, B (Pattengale, Brian); Ludwig, J (Ludwig, John); Atifi, A (Atifi, Abderrahman); Zinovev, AV (Zinovev, Alexander V.); Dong, B (Dong, Bin); Kong, QY (Kong, Qingyu); Zuo, XB (Zuo, Xiaobing); Zhang, XY (Zhang, Xiaoyi); Huang, J (Huang, Jier) |
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**二、引用论文第一产权单位为国内机构**

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| 第 1 条，共 69 条 |
| 标题: Visible-light-driven photocatalytic water splitting on nanostructured semiconducting materials |
| 作者: Shen, SH (Shen, Shaohua); Shi, JW (Shi, Jinwen); Guo, PH (Guo, Penghui); Guo, LJ (Guo, Liejin) |
| 来源出版物: INTERNATIONAL JOURNAL OF NANOTECHNOLOGY  卷: 8    页: 523-591  出版年: 2011 |

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| 第 2 条，共 69 条 |
| 标题: Monodisperse CeO2/CdS heterostructured spheres: one-pot synthesis and enhanced photocatalytic hydrogen activity |
| 作者: Lu, XH (Lu, Xi-Hong); Xie, SL (Xie, Shi-Lei); Zhai, T (Zhai, Teng); Zhao, YF (Zhao, Yu-Feng); Zhang, P (Zhang, Peng); Zhang, YL (Zhang, Yue-Li); Tong, YX (Tong, Ye-Xiang) |
| 来源出版物: RSC ADVANCES  卷: 1  期: 7  页: 1207-1210   出版年: 2011 |

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| 第 3 条，共 69 条 |
| 标题: An Insight into Artificial Leaves for Sustainable Energy Inspired by Natural Photosynthesis |
| 作者: Zhou, H (Zhou, Han); Fan, TX (Fan, Tongxiang); Zhang, D (Zhang, Di) |
| 来源出版物: CHEMCATCHEM  卷: 3  期: 3  特刊: SI  页: 513-528   出版年: MAR 2011 |

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| 第 4 条，共 69 条 |
| 标题: Artificial Photosynthesis |
| 作者: Li, XH (Li Xiaohui); Fan, TX (Fan Tongxiang) |
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| 第 5 条，共 69 条 |
| 标题: In situ synthesis and enhanced visible light photocatalytic activities of novel PANI-g-C3N4 composite photocatalysts |
| 作者: Ge, L (Ge, Lei); Han, CC (Han, Changcun); Liu, J (Liu, Jing) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY  卷: 22   页: 11843-11850 出版年: 2012 |

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| 第 6 条，共 69 条 |
| 标题: One-Pot Synthesis of CdS and Ni-Doped CdS Hollow Spheres with Enhanced Photocatalytic Activity and Durability |
| 作者: Luo, M (Luo, Man); Liu, Y (Liu, Yong); Hu, JC (Hu, Juncheng); Liu, H (Liu, Hang); Li, JL (Li, Jinlin) |
| 来源出版物: ACS APPLIED MATERIALS & INTERFACES  卷: 4   页: 1813-1821   出版年: MAR 2012 |
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| 第 7条，共 69条 |
| 标题: Synthesis of MWNTs/g-C3N4 composite photocatalysts with efficient visible light photocatalytic hydrogen evolution activity |
| 作者: Ge, L (Ge, Lei); Han, CC (Han, Changcun) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 117  页: 268-274  出版年: MAY 18 2012 |
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| 第 8 条，共69 条 |
| 标题: Synthesis and Characterization of Ce2S3-ZnS-CuS Nanoparticles and Their Photocatalytic Activity |
| 作者: Shifu, C (Shifu, C.); Mingsong, J (Mingsong, J.); Yunguang, Y (Yunguang, Y.) |
| 来源出版物: JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY  卷: 12    页: 4898-4904    出版年: JUN 2012 |
| 第 9 条，共 69 条 |
| 标题: First-principles calculations of electronic and magnetic properties in semi-fluorinated CdS sheet |
| 作者: Xiao, WZ (Xiao, Wen-Zhi); Wang, LL (Wang, Ling-Ling); Yang, JY (Yang, Jian-Yu) |
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| 第 10 条，共 69 条 |
| 标题: Preparation and photocatalytic activities of two new Zn-doped SrTiO3 and BaTiO3 photocatalysts for hydrogen production from water without cocatalysts loading |
| 作者: Zou, JP (Zou, Jian-Ping); Zhang, LZ (Zhang, Long-Zhu); Luo, SL (Luo, Sheng-Lian); Leng, LH (Leng, Le-Hui); Luo, XB (Luo, Xu-Biao); Zhang, MJ (Zhang, Ming-Jian); Luo, Y (Luo, Yan); Guo, GC (Guo, Guo-Cong) |
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| 第 11 条，共 69 条 |
| 标题: Ball-milling combined calcination synthesis of MoS2/CdS photocatalysts for high photocatalytic H-2 evolution activity under visible light irradiation |
| 作者: Chen, GP (Chen, Guoping); Li, DM (Li, Dongmei); Li, F (Li, Fan); Fan, YZ (Fan, Yuzun); Zhao, HF (Zhao, Haofei); Luo, YH (Luo, Yanhong); Yu, RC (Yu, Richeng); Meng, QB (Meng, Qingbo) |
| 来源出版物: APPLIED CATALYSIS A-GENERAL  卷: 443  页: 138-144  出版年: NOV 7 2012 |

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| 第 12 条，共 69 条 |
| 标题: Sites for High Efficient Photocatalytic Hydrogen Evolution on a Limited-Layered MoS2 Cocatalyst Confined on Graphene Sheets-The Role of Graphene |
| 作者: Min, SX (Min, Shixiong); Lu, GX (Lu, Gongxuan) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 116   页: 25415-25424   出版年: DEC 6 2012 |
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| 第 13 条，共 69 条 |
| 标题: Semiconductor-based nanocomposites for photocatalytic H-2 production and CO2 conversion |
| 作者: Fan, WQ (Fan, Wenqing); Zhang, QH (Zhang, Qinghong); Wang, Y (Wang, Ye) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 15   页: 2632-2649    出版年: 2013 |

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| 第 14 条，共69 条 |
| 标题: Metal sulphide semiconductors for photocatalytic hydrogen production |
| 作者: Zhang, K (Zhang, Kai); Guo, LJ (Guo, Liejin) |
| 来源出版物: CATALYSIS SCIENCE & TECHNOLOGY  卷: 3  期: 7  页: 1672-1690   出版年: 2013 |
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| 第 15 条，共 69 条 | |
| 标题: Significantly enhanced photocatalytic hydrogen evolution under visible light over CdS embedded on metal-organic frameworks | |
| 作者: He, J (He, Jiao); Yan, ZY (Yan, Zhiying); Wang, JQ (Wang, Jiaqiang); Xie, J (Xie, Jiao); Jiang, L (Jiang, Liang); Shi, YM (Shi, Yangmei); Yuan, FG (Yuan, Fagui); Yu, F (Yu, Fei); Sun, YJ (Sun, Yuejuan) | |
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| 第 16 条，共 69 条 |
| 标题: Fabrication of NiS modified CdS nanorod p-n junction photocatalysts with enhanced visible-light photocatalytic H-2-production activity |
| 作者: Zhang, J (Zhang, Jun); Qiao, SZ (Qiao, Shi Zhang); Qi, LF (Qi, Lifang); Yu, JG (Yu, Jiaguo) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 15   页: 12088-12094  出版年: 2013 |

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| 第 17 条，共 69 条 |
| 标题: CdS-Based Semiconductor Photocatalysts for Hydrogen Production from Water Splitting under Solar Light |
| 作者: Huang, S (Huang, Sheng); Lin, Y (Lin, Yu); Yang, JH (Yang, Jian-Hua); Yu, Y (Yu, Ying) |
| 编者: Hu YH; Burghaus U; Qiao S |
| 来源出版物: NANOTECHNOLOGY FOR SUSTAINABLE ENERGY  丛书: ACS Symposium Series  卷: 1140  页: 219-241  出版年: 2013 |

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| 第 18 条，共 69 条 |
| 标题: Rational Tuning the Optical Properties of Metal Sulfide Nanocrystals and Their Applications |
| 作者: Shen, SL (Shen, Shuling); Wang, QB (Wang, Qiangbin) |
| 来源出版物: CHEMISTRY OF MATERIALS  卷: 25   页: 1166-1178   出版年: APR 23 2013 |
| 第 19 条，共 69 条 | |
| 标题: Synthesis and characterization of composite visible light active photocatalysts MoS2-g-C3N4 with enhanced hydrogen evolution activity | |
| 作者: Ge, L (Ge, Lei); Han, CC (Han, Changcun); Xiao, XL (Xiao, Xinlai); Guo, LL (Guo, Lele) | |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 38   页: 6960-6969    出版年: JUN 10 2013 | |

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| 第 20 条，共 69 条 |
| 标题: MoS2/CdS Heterojunction with High Photoelectrochemical Activity for H-2 Evolution under Visible Light: The Role of MoS2 |
| 作者: Liu, Y (Liu, Ying); Yu, YX (Yu, Yu-Xiang); Zhang, WD (Zhang, Wei-De) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 117  期: 25  页: 12949-12957   出版年: JUN 27 2013 |
| 第 21 条，共 69条 |
| 标题: High photocatalytic hydrogen production from methanol aqueous solution using the photocatalysts CuS/TiO2 |
| 作者: Wang, QZ (Wang, Qizhao); An, N (An, Ning); Bai, Y (Bai, Yan); Hang, HH (Hang, Haohao); Li, JJ (Li, Jiajia); Lu, XL (Lu, Xiaolin); Liu, YH (Liu, Yinghua); Wang, FP (Wang, Fangping); Li, ZM (Li, Zhimin); Lei, ZQ (Lei, Ziqiang) |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 38  页: 10739-10745   出版年: AUG 21 2013 |

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| 第 22 条，共 69 条 |
| 标题: Photoactivity enhancement of the CdxZn1-xS nanoparticles by immobilizing on the graphene under visible light irradiation |
| 作者: Wang, J (Wang, Jian); Yang, PJ (Yang, Pengju); Zhao, JH (Zhao, Jianghong); Zhu, ZP (Zhu, Zhenping) |
| 来源出版物: APPLIED SURFACE SCIENCE  卷: 282  页: 930-936 出版年: OCT 1 2013 |

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| 第 23 条，共 69 条 |
| 标题: Highly Sensitive and Selective Determination of Dopamine in the Presence of Ascorbic Acid Using Gold Nanoparticles-Decorated MoS2 Nanosheets Modified Electrode |
| 作者: Su, S (Su, Shao); Sun, HF (Sun, Haofan); Xu, F (Xu, Fei); Yuwen, LH (Yuwen, Lihui); Wang, LH (Wang, Lianhui) |
| 来源出版物: ELECTROANALYSIS  卷: 25  期: 11  页: 2523-2529   出版年: NOV 2013 |

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| 第 24 条，共 69 条 |
| 标题: One-step hydrothermal fabrication and enhancement of the photocatalytic performance of CdMoO4/CdS hybrid materials |
| 作者: Liu, YD (Liu, Yundan); Ren, L (Ren, Long); Qi, X (Qi, Xiang); Wang, Y (Wang, Yao); Liu, XJ (Liu, Xuejun); Zhong, JX (Zhong, Jianxin) |
| 来源出版物: RSC ADVANCES  卷: 4   页: 8772-8778  出版年: 2014 |

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| 第 25 条，共 69 条 |
| 标题: Enhanced photocatalytic H-2 evolution on ZnS loaded with graphene and MoS2 nanosheets as cocatalysts |
| 作者: Zhu, BL (Zhu, Bolin); Lin, BZ (Lin, Bizhou); Zhou, Y (Zhou, Yi); Sun, P (Sun, Ping); Yao, QR (Yao, Qianru); Chen, YL (Chen, Yilin); Gao, BF (Gao, Bifen) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 2   页: 3819-3827   出版年: 2014 |
| 入藏号: WOS:000331893700018 |
| 第 26 条，共 69 条 |
| 标题: Photocatalytic Water Splitting and Photocatalytic Degradation in Aqueous GdVO4 Suspensions under Simulated Solar Irradiation |
| 作者: Bai, Y (Bai, Yan); Ding, YM (Ding, Ya-ming); Li, ZM (Li, Zhi-min) |
| 编者: Zhao GM; Chen L; Tang Y; Long B; Nie Z; He L; Chen H |
| 来源出版物: EIGHTH CHINA NATIONAL CONFERENCE ON FUNCTIONAL MATERIALS AND APPLICATIONS  丛书: Advanced Materials Research  卷: 873  页: 571-574  出版年: 2014 |

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| 第 27条，共69 条 |
| 标题: The synergetic effect of MoS2 and graphene on Ag3PO4 for its ultra-enhanced photocatalytic activity in phenol degradation under visible light |
| 作者: Peng, WC (Peng, Wen-chao); Wang, X (Wang, Xi); Li, XY (Li, Xiao-yan) |
| 来源出版物: NANOSCALE  卷: 6   页: 8311-8317  出版年: 2014 |

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| 第 28 条，共 69 条 |
| 标题: Facile fabrication and enhanced visible light photocatalytic activity of few-layer MoS2 coupled BiOBr microspheres |
| 作者: Di, J (Di, Jun); Xia, JX (Xia, Jiexiang); Ge, YP (Ge, Yuping); Xu, L (Xu, Li); Xu, H (Xu, Hui); Chen, J (Chen, Jun); He, MQ (He, Minqiang); Li, HM (Li, Huaming) |
| 来源出版物: DALTON TRANSACTIONS  卷: 43   页: 15429-15438  出版年: 2014 |

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| 第 29 条，共 69 条 |
| 标题: Supercritical solvothermal preparation of a ZnxCd1-xS visible photocatalyst with enhanced activity |
| 作者: Zhong, JH (Zhong, Jiahui); Zhang, Y (Zhang, Ya); Hu, CQ (Hu, Changqun); Hou, RJ (Hou, Rujing); Yin, HB (Yin, Haibo); Li, HX (Li, Hexing); Huo, YN (Huo, Yuning) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 2  页: 19641-19647出版年: 2014 |

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| 第 30 条，共 69 条 |
| 标题: New insights into the photo-enhanced electrocatalytic reduction of carbon dioxide on MoS2-rods/TiO2 NTs with unmatched energy band |
| 作者: Li, PQ (Li, Peiqiang); Hu, HT (Hu, Haitao); Xu, JF (Xu, Jinfeng); Jing, H (Jing, Hua); Peng, H (Peng, Hui); Lu, J (Lu, Jing); Wu, CX (Wu, Chenxiao); Ai, SY (Ai, Shiyun) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 147  页: 912-919 出版年: APR 5 2014 |
| 第 31 条，共 69 条 |
| 标题: Electron-Doping-Enhanced Trion Formation in Mono layer Molybdenum Disulfide Functionalized with Cesium Carbonate |
| 作者: Lin, JD (Lin, Jia Dan); Han, C (Han, Cheng); Wang, F (Wang, Fei); Wang, R (Wang, Rui); Xiang, D (Xiang, Du); Qin, SQ (Qin, Shiqiao); Zhang, XA (Zhang, Xue-Ao); Wang, L (Wang, Li); Zhang, H (Zhang, Hua); Wee, ATS (Wee, Andrew Thye Shen); Chen, W (Chen, Wei) |
| 来源出版物: ACS NANO  卷: 8  期: 5  页: 5323-5329   出版年: MAY 2014 |

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| 第 32 条，共 69条 |
| 标题: Dye-Sensitized NiSx Catalyst Decorated on Graphene for Highly Efficient Reduction of Water to Hydrogen under Visible Light Irradiation |
| 作者: Kong, C (Kong, Chao); Min, SX (Min, Shixiong); Lu, GX (Lu, Gongxuan) |
| 来源出版物: ACS CATALYSIS  卷: 4  页: 2763-2769  出版年: AUG 2014 |

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| 第 33 条，共 69 条 |
| 标题: Enhanced Photocatalytic H-2 Generation on Cadmium Sulfide Nanorods with Cobalt Hydroxide as Cocatalyst and Insights into Their Photogenerated Charge Transfer Properties |
| 作者: Zhang, LJ (Zhang, Li J.); Zheng, R (Zheng, Rui.); Li, S (Li, Shuo.); Liu, BK (Liu, Bing K.); Wang, DJ (Wang, De J.); Wang, LL (Wang, Ling L.); Xie, TF (Xie, Teng F.) |
| 来源出版物: ACS APPLIED MATERIALS & INTERFACES  卷: 6   页: 13406-13412   出版年: AUG 27 2014 |

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| 第 34 条，共 69 条 |
| 标题: Tunable Photodeposition of MoS2 onto a Composite of Reduced Graphene Oxide and CdS for Synergic Photocatalytic Hydrogen Generation |
| 作者: Li, YX (Li, Yuexiang); Wang, H (Wang, Hao); Peng, SQ (Peng, Shaoqin) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 118   页: 19842-19848   出版年: AUG 28 2014 |

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| 第 35 条，共 69 条 |
| 标题: Photocatalytic hydrogen production over carbon nitride loaded with WS2 as cocatalyst under visible light |
| 作者: Hou, YD (Hou, Yidong); Zhu, YS (Zhu, Yongsheng); Xu, Y (Xu, Yan); Wang, XC (Wang, Xinchen) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 156  页: 122-127  出版年: SEP 2014 |

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| 第 36 条，共 69 条 |
| 标题: Enhancement of photocatalysis for H-2 evolution on annealed Nano-Titania |
| 作者: Xin, G (Xin, Gang); Yu, B (Yu, Bei); Pan, HF (Pan, Hongfei); Wen, B (Wen, Bin) |
| 来源出版物: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING  卷: 25  特刊: SI  页: 153-158  出版年: SEP 2014 |

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| 第 37 条，共 69条 |
| 标题: Sonochemistry synthesis of Bi2S3/CdS heterostructure with enhanced performance for photocatalytic hydrogen evolution |
| 作者: Hao, LX (Hao, Lin-Xing); Chen, G (Chen, Gang); Yu, YG (Yu, Yao-Guang); Zhou, YS (Zhou, Yan-Song); Han, ZH (Han, Zhong-Hui); Liu, Y (Liu, Yue) |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 39  页: 14479-14486   出版年: SEP 3 2014 |

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| 第 38 条，共 69 条 |
| 标题: Direct electrochemistry of glucose oxidase and a biosensor for glucose based on a glass carbon electrode modified with MoS2 nanosheets decorated with gold nanoparticles |
| 作者: Su, S (Su, Shao); Sun, HF (Sun, Haofan); Xu, F (Xu, Fei); Yuwen, LH (Yuwen, Lihui); Fan, CH (Fan, Chunhai); Wang, LH (Wang, Lianhui) |
| 来源出版物: MICROCHIMICA ACTA  卷: 181  期: 13-14  特刊: SI  页: 1497-1503  出版年: OCT 2014 |

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| 第 39 条，共 69 条 |
| 标题: Enhanced visible light-driven hydrogen production from water by a noble-metal-free system containing organic dye-sensitized titanium dioxide loaded with nickel hydroxide as the cocatalyst |
| 作者: Yan, ZP (Yan, Zhiping); Yu, XX (Yu, Xingxing); Zhang, YY (Zhang, Yanyu); Jia, HX (Jia, Hongxing); Sun, ZJ (Sun, Zijun); Du, PW (Du, Pingwu) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 160  页: 173-178    出版年: NOV 2014 |

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| 第 40 条，共 69 条 |
| 标题: Enhancement of photocatalytic H-2 evolution on ZnIn2S4 loaded with in-situ photo-deposited MoS2 under visible light irradiation |
| 作者: Chen, GP (Chen, Guoping); Ding, N (Ding, Ning); Li, F (Li, Fan); Fan, YZ (Fan, Yuzun); Luo, YH (Luo, Yanhong); Li, DM (Li, Dongmei); Meng, QB (Meng, Qingbo) |
| 来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL  卷: 160  页: 614-620   出版年: NOV 2014 |

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| 第 41 条，共 69 条 |
| 标题: Fabrication and investigation of the optoelectrical properties of MoS2/CdS heterojunction solar cells |
| 作者: Gu, WX (Gu, Weixia); Yang, F (Yang, Fan); Wu, C (Wu, Chen); Zhang, Y (Zhang, Yi); Shi, MY (Shi, Miaoyuan); Ma, XY (Ma, Xiying) |
| 来源出版物: NANOSCALE RESEARCH LETTERS  卷: 9  文献号: 662  出版年: DEC 9 2014 |

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| 第 42 条，共 69 条 |
| 标题: High-performance CdS-ZnS core-shell nanorod array photoelectrode for photoelectrochemical hydrogen generation |
| 作者: Zhang, J (Zhang, Jian); Wang, LH (Wang, Lianhui); Liu, XH (Liu, Xiaoheng); Li, XA (Li, Xing'ao); Huang, W (Huang, Wei) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 3   页: 535-541   出版年: 2015 |

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| 第 43 条，共 69 条 |
| 标题: Synthesis of MoS2/SrZrO3 heterostructures and their photocatalytic H-2 evolution under UV irradiation |
| 作者: Tian, QW (Tian, Qingwen); Zhang, L (Zhang, Li); Liu, JH (Liu, Jiahui); Li, NX (Li, Naixu); Ma, QH (Ma, Quanhong); Zhou, JC (Zhou, Jiancheng); Sun, YM (Sun, Yueming) |
| 来源出版物: RSC ADVANCES  卷: 5  页: 734-739  出版年: 2015 |

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| 第 44 条，共 69 条 |
| 标题: Photocatalytic H-2 evolution on MoS2-TiO2 catalysts synthesized via mechanochemistry |
| 作者: Zhu, YY (Zhu, Yanyan); Ling, Q (Ling, Qiang); Liu, YF (Liu, Yanfang); Wang, H (Wang, Hua); Zhu, YF (Zhu, Yongfa) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 17  页: 933-940    出版年: 2015 |
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| 第 47 条，共69 条 |
| 标题: Hydrothermal synthesis of Mn-doped CdS hollow sphere nanocomposites as efficient visible-light driven photocatalysts |
| 作者: Zhang, CY (Zhang, Chunyan); Lai, JS (Lai, Jiasheng); Hu, JC (Hu, Juncheng) |
| 来源出版物: RSC ADVANCES  卷: 5  页: 15110-15117   出版年: 2015 |

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| 第 45 条，共 69条 |
| 标题: One-step hydrothermal synthesis of flowerlike MoS2/CdS heterostructures for enhanced visible-light photocatalytic activities |
| 作者: Wang, CX (Wang, Chuanxi); Lin, HH (Lin, Huihui); Xu, ZZ (Xu, Zhenzhu); Cheng, H (Cheng, Hao); Zhang, C (Zhang, Chi) |
| 来源出版物: RSC ADVANCES  卷: 5  页: 15621-15626  出版年: 2015 |

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| 第 46 条，共 69 条 |
| 标题: Metallic MoO2 cocatalyst significantly enhances visible-light photocatalytic hydrogen production over MoO2/Zn0.5Cd0.5S heterojunction |
| 作者: Du, H (Du, Hong); Xie, X (Xie, Xiao); Zhu, Q (Zhu, Qing); Lin, L (Lin, Ling); Jiang, YF (Jiang, Yi-Fan); Yang, ZK (Yang, Zheng-Kun); Zhou, X (Zhou, Xiao); Xu, AW (Xu, An-Wu) |
| 来源出版物: NANOSCALE  卷: 7  页: 5752-5759  出版年: 2015 |

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| 第 47 条，共 69 条 |
| 标题: Enhanced visible light photocatalytic activity of ZnIn2S4 modified by semiconductors |
| 作者: Yang, S (Yang, Sai); Li, L (Li, Li); Yuan, WH (Yuan, Wenhui); Xia, ZL (Xia, Zilong) |
| 来源出版物: DALTON TRANSACTIONS  卷: 44  页: 6374-6383   出版年: 2015 |

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| 第 48 条，共 69 条 |
| 标题: Copper phosphide modified cadmium sulfide nanorods as a novel p-n heterojunction for highly efficient visible-light-driven hydrogen production in water |
| 作者: Sun, ZJ (Sun, Zijun); Yue, QD (Yue, Qiudi); Li, JS (Li, Jingshi); Xu, J (Xu, Jun); Zheng, HF (Zheng, Huafei); Du, PW (Du, Pingwu) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 3  期: 19  页: 10243-10247   出版年: 2015 |

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| 第 49 条，共 69 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  页: 14185-14192  出版年: 2015 |

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| 第 50 条，共 69条 |
| 标题: An efficient cocatalyst of defect-decorated MoS2 ultrathin nanoplates for the promotion of photocatalytic hydrogen evolution over CdS nanocrystal |
| 作者: Xiong, JH (Xiong, Jinhua); Liu, YH (Liu, Yuhao); Wang, DK (Wang, Dengke); Liang, SJ (Liang, Shijing); Wu, WM (Wu, Weiming); Wu, L (Wu, Ling) |
| 来源出版物: JOURNAL OF MATERIALS CHEMISTRY A  卷: 3  页: 12631-12635  出版年: 2015 |

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| 第 51 条，共 69 条 |
| 标题: Noble metal-free hydrogen evolution catalysts for water splitting |
| 作者: Zou, XX (Zou, Xiaoxin); Zhang, Y (Zhang, Yu) |
| 来源出版物: CHEMICAL SOCIETY REVIEWS  卷: 44  期: 15  页: 5148-5180  出版年: 2015 |

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| 第 52 条，共 69 条 |
| 标题: A cocatalyst-free Eosin Y-sensitized p-type of Co3O4 quantum dot for highly efficient and stable visible-light-driven water reduction and hydrogen production |
| 作者: Zhang, N (Zhang, Ning); Shi, JW (Shi, Jinwen); Niu, FJ (Niu, Fujun); Wang, J (Wang, Jian); Guo, LJ (Guo, Liejin) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 17  页: 21397-21400  出版年: 2015 |

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| 第 53 条，共 69 条 |
| 标题: Photoelectronic Properties of MoS2/CdS Thin Film Heterojunction |
| 作者: Wu, C (Wu, Chen); Yang, F (Yang, Fan); Zhang, Y (Zhang, Yi); Wu, K (Wu, Kai); Ma, XY (Ma, Xiying) |
| 编者: Chang L; Guiran C; Zhen L |
| 来源出版物: PROCEEDINGS OF THE 2015 INTERNATIONAL CONFERENCE ON MECHATRONICS, ELECTRONIC, INDUSTRIAL AND CONTROL ENGINEERING  丛书: AER-Advances in Engineering Research  卷: 8  页: 436-439  出版年: 2015 |

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| 第 54 条，共 69 条 |
| 标题: Enhanced photocatalytic hydrogen production in water under visible light using noble metal-free ferrous phosphide as an active cocatalyst |
| 作者: Sun, ZJ (Sun, Zijun); Chen, HL (Chen, Huanlin); Huang, Q (Huang, Qiang); Du, PW (Du, Pingwu) |
| 来源出版物: CATALYSIS SCIENCE & TECHNOLOGY  卷: 5   页: 4964-4967  出版年: 2015 |

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| 第 55 条，共 69 条 |
| 标题: Metal Ni-loaded g-C3N4 for enhanced photocatalytic H-2 evolution activity: the change in surface band bending |
| 作者: Bi, LL (Bi, Lingling); Xu, DD (Xu, Dandan); Zhang, LJ (Zhang, Lijing); Lin, YH (Lin, Yanhong); Wang, DJ (Wang, Dejun); Xie, TF (Xie, Tengfeng) |
| 来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS  卷: 17   页: 29899-29905   出版年: 2015 |

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| 第 56 条，共69条 |
| 标题: Shape-controlled gold nanoparticles supported on MoS2 nanosheets: synergistic effect of thionine and MoS2 and their application for electrochemical label-free immunosensing |
| 作者: Su, S (Su, Shao); Zou, M (Zou, Min); Zhao, H (Zhao, He); Yuan, CF (Yuan, Chengfeng); Xu, YA (Xu, Yanan); Zhang, C (Zhang, Chi); Wang, LH (Wang, Lihua); Fan, CH (Fan, Chunhai); Wang, LH (Wang, Lianhui) |
| 来源出版物: NANOSCALE  卷: 7   页: 19129-19135   出版年: 2015 |

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| 第 57 条，共69条 |
| 标题: Nickels/CdS photocatalyst prepared by flowerlike Ni/Ni(OH)(2) precursor for efficiently photocatalytic H-2 evolution |
| 作者: Chen, XP (Chen, Xiaoping); Chen, S (Chen, Shu); Lin, CF (Lin, Caifang); Jiang, Z (Jiang, Zhi); Shangguan, WF (Shangguan, Wenfeng) |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 40 页: 998-1004 出版年: JAN 12 2015 |

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| 第 58 条，共 69条 |
| 标题: Preparation of graphene oxide-loaded Ag3PO4@AgCl and its photocatalytic degradation of methylene blue and O-2 evolution activity under visible light irradiation |
| 作者: Cao, MH (Cao, Muhan); Wang, PF (Wang, Peifang); Ao, YH (Ao, Yanhui); Wang, C (Wang, Chao); Hou, J (Hou, Jun); Qian, J (Qian, Jin) |
| 来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY  卷: 40   页: 1016-1025 出版年: JAN 12 2015 |

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| 第 59 条，共 69条 |
| 标题: Characterization and mechanism of MoS2/CdS composite photocatalyst used for hydrogen production from water splitting under visible light |
| 作者: Xu, J (Xu, Juan); Cao, XJ (Cao, Xuejun) |
| 来源出版物: CHEMICAL ENGINEERING JOURNAL  卷: 260  页: 642-648  出版年: JAN 15 2015 |

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| 第 60 条，共 69 条 |
| 标题: Fabrication and characterization of novel Z-scheme photocatalyst WO3/g-C3N4 with high efficient visible light photocatalytic activity |
| 作者: Chen, SF (Chen, Shifu); Hu, YF (Hu, Yingfei); Jiang, XL (Jiang, Xiaoliang); Meng, SG (Meng, Sugang); Fu, XL (Fu, Xianliang) |
| 来源出版物: MATERIALS CHEMISTRY AND PHYSICS  卷: 149  页: 512-521   出版年: JAN 15 2015 |

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| 第 61 条，共 69 条 |
| 标题: Facile deposition of Ag3PO4 on graphene-like MoS2 nanosheets for highly efficient photocatalysis |
| 作者: Wang, PF (Wang, Peifu); Shi, PH (Shi, Penghui); Hong, YC (Hong, Yuanchen); Zhou, XJ (Zhou, Xuejun); Yao, WF (Yao, Weifeng) |
| 来源出版物: MATERIALS RESEARCH BULLETIN  卷: 62  页: 24-29  出版年: FEB 2015 |

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| 第 62 条，共 69 条 |
| 标题: Renewable Hydrogen Production by Alcohols Reforming Using Plasma and Plasma-Catalytic Technologies: Challenges and Opportunities |
| 作者: Du, CM (Du, ChangMing); Mo, JM (Mo, JianMin); Li, HX (Li, HongXia) |
| 来源出版物: CHEMICAL REVIEWS  卷: 115  页: 1503-1542  出版年: FEB 11 2015 |

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| 第 63 条，共 69 条 |
| 标题: Roles of MoS2 and Graphene as Cocatalysts in the Enhanced Visible-Light Photocatalytic H-2 Production Activity of Multiarmed CdS Nanorods |
| 作者: Lang, D (Lang, Di); Shen, TT (Shen, Tingting); Xiang, QJ (Xiang, Quanjun) |
| 来源出版物: CHEMCATCHEM  卷: 7 页: 943-951  出版年: MAR 2015 |

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| 第 64 条，共 69 条 |
| 标题: In-situ synthesis of C3N4/CdS composites with enhanced photocatalytic properties |
| 作者: Cui, YJ (Cui, Yanjuan) |
| 来源出版物: CHINESE JOURNAL OF CATALYSIS  卷: 36  页: 372-379   出版年: MAR 2015 |

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| 第 65 条，共 69 条 |
| 标题: Effect of morphology on the photocatalytic activity of g-C3N4 photocatalysts under visible-light irradiation |
| 作者: Wu, XT (Wu, Xingtong); Liu, CG (Liu, Chunguo); Li, XF (Li, Xuefei); Zhang, XG (Zhang, Xueguang); Wang, C (Wang, Cong); Liu, YK (Liu, Yikai) |
| 来源出版物: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING  卷: 32  页: 76-81出版年: APR 2015 |

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| 第 67 条，共 69 条 |
| 标题: Interface Charge Transfer versus Surface Proton Reduction: Which Is More Pronounced on Photoinduced Hydrogen Generation over Sensitized Pt Cocatalyst on RGO? |
| 作者: Li, Z (Li, Zhen); Wang, QS (Wang, Qiansen); Kong, C (Kong, Chao); Wu, YQ (Wu, Yuqi); Li, YX (Li, Yuexiang); Lu, GX (Lu, Gongxuan) |
| 来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C  卷: 119 页: 13561-13568   出版年: JUN 18 2015 |

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| 第 68 条，共69 条 |
| 标题: Synthesis of PbS/Ni2+ doped CdS quantum dots cosensitized solar cells: Enhanced power conversion efficiency and durability |
| 作者: Chen, YL (Chen, Yanli); Tao, Q (Tao, Qiang); Fu, WY (Fu, Wuyou); Yang, HB (Yang, Haibin) |
| 来源出版物: ELECTROCHIMICA ACTA  卷: 173  页: 812-818   出版年: AUG 10 2015 |

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| 第 69 条，共 69 条 |
| 标题: Au nanoparticle-decorated ultrathin CdS nanowires for high-efficiency photodegradation of organic dyes |
| 作者: Wang, XY (Wang, Xinyu); Ying, YL (Ying, Yulong); Hu, P (Hu, Pan); Lei, JH (Lei, Jiahuan); Peng, XS (Peng, Xinsheng) |
| 来源出版物: APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING  卷: 120  页: 1291-1297 出版年: SEP 2015 |

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