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** | Spatial separation of photogenerated electrons and holes among {010} and {110} crystal facets of BiVO4 | | | | |
| **作者（英文）** | Li Rengui, Zhang Fuxiang, Wang Donge, Yang Jingxiu, Li Mingrun, Zhu Jian, Zhou Xin, Han Hongxian, Li Can | | | | |
| **作者（中文）** | **李仁贵，章福祥，王冬娥，杨竞秀，李名润，朱剑，周新，韩洪宪，李灿** | | | | |
| **期刊名称** | **Nature Communications** | | | | |
| **发表日期** | **2013年2月** | **卷** | **4：1432** | **起止页码** | **1-7** |
| **总引用次数** | **176** | | | **他引次数** | **163** |
| **填表人** | 我保证填写内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **通讯作者** | 我保证申报内容的真实性，若填报失实和违反管理办法，本人将承担相关责任。  **签字 年 月 日** | | | | |
| **研究组长** | 我已按管理办法和申报说明对申报内容进行了审核，保证申报内容的真实性，若填报失实和违反管理办法，本人将承担全部责任。  **签字 年 月 日** | | | | |

说明：1、申请本年度百次引用论文奖的论文发表时间为2005-2014年；2、引用检索数库为Web of Science数据库核心合集的SCI-E，他引次数须超过100次；3、引用数据检索截止时间为2014年12月31日；4、他引：是指剔除了申报奖励论文（即被引用论文）所有作者的全部引用文献。例：某篇申报奖励论文有作者a、b、c、d、e，他引是指引用此篇论文的所有文献作者中，不能有a、b、c、d、e的任何一位。

**百次引用论文奖引用论文清单**

**（他引）**

**一、引用论文第一产权单位为国外机构**

第1 条，共 63条

标题: Selective photoredox activity on specific facet-dominated TiO2 mesocrystal superstructures incubated with directed nanocrystals

作者: Zhang, Peng; Tachikawa, Takashi; Bian, Zhenfeng; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 176 页: 678-686 出版年: OCT 2015

第 2 条，共 63条

标题: Mechanistic Understanding of the Plasmonic Enhancement for Solar Water Splitting

作者: Zhang, Peng; Wang, Tuo; Gong, Jinlong

来源出版物: ADVANCED MATERIALS

卷: 27 期: 36 页: 5328-5342 出版年: SEP 23 2015

第3 条，共 63条

标题: Tuning of the crystal engineering and photoelectrochemical properties of crystalline tungsten oxide for optoelectronic device applications

作者: Zheng, Jin You; Haider, Zeeshan; Thanh Khue Van; 等.

来源出版物: CRYSTENGCOMM

卷: 17 期: 32 页: 6070-6093 出版年: 2015

第4 条，共 63条

标题: Topochemical transformation of low-energy crystal facets to high-energy facets: a case from Bi2O2CO3 {001} facets to beta-Bi2O3 {001} facets with improved photocatalytic oxidation of NO

作者: Wang, Fang; Zhao, Ziyan; Zhang, Kunhao; 等.

来源出版物: CRYSTENGCOMM

卷: 17 期: 32 页: 6098-6102 出版

第5 条，共 63条

标题: Crystal facet tailoring arts in perovskite oxides

作者: Huang, Keke; Yuan, Long; Feng, Shouhua

来源出版物: INORGANIC CHEMISTRY FRONTIERS

卷: 2 期: 11 页: 965-981 出版年: 2015

第6条，共 63条

标题: Green-Synthesized BiVO4 Oriented along {040} Facets for Visible-Light-Driven Ethylene Degradation

作者: Thalluri, Sitaramanjaneya Mouli; Hussain, Murid; Saracco, Guido; 等.

来源出版物: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH

卷: 53 期: 7 页: 2640-2646 出版年: FEB 19 2014

第7 条，共 63条

标题: An engineered polypeptide around nano-sized manganese-calcium oxide: copying plants for water oxidation

作者: Najafpour, Mohammad Mahdi; Ghobadi, Mohadeseh Zarei; Sarvi, Bahram; 等.

来源出版物: DALTON TRANSACTIONS

卷: 44 期: 34 页: 15271-15278 出版年: 2015

第8 条，共 63条

标题: Influence of MoO3(110) Crystalline Plane on Its Self-Charging Photoelectrochemical Properties

作者: Lou, Shi Nee; Yap, Nicholas; Scott, Jason; 等.

来源出版物: SCIENTIFIC REPORTS

卷: 4 文献号: 7428 出版年: DEC 11 2014

第9条，共 63条

标题: TiO2/Bi-2(BDC)(3)/BiOCl nanoparticles decorated ultrathin nanosheets with excellent photocatalytic reaction activity and selectivity

作者: Zhou, Shu-Mei; Ma, De-Kun; Cai, Ping; 等.

来源出版物: MATERIALS RESEARCH BULLETIN

卷: 60 页: 64-71 出版年:DEC 2014

第 10 条，共 63条

标题: Rutile {111} Faceted TiO2 Film with High Ability for Selective Adsorption of Aldehyde

作者: Sun, Tao; Wang, Yun; Al-Mamun, Mohammad; 等.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C

卷: 119 期: 31 页: 17680-17686 出版年: AUG 6 2015

第11 条，共 63条

标题: Dependence of Activity of Rutile Titanium(IV) Oxide Powder for Photocatalytic Overall Water Splitting on Structural Properties

作者: Maeda, Kazuhiko; Murakami, Naoya; Ohno, Teruhisa

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C

卷: 118 期: 17 页:9093-9100 出版年: MAY 1 2014

第12 条，共 63条

标题: Synergetic promotion on photoactivity and stability of W18O49/TiO2 hybrid

作者: Huang, Zhen-Feng; Zou, Ji-Jun; Pan, Lun; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 147 页: 167-174 出版年: APR 5 2014

第13 条，共 63条

标题: Recent advances in BiOX (X = Cl, Br and I) photocatalysts: synthesis, modification, facet effects and mechanisms

作者: Ye, Liqun; Su, Yurong; Jin, Xiaoli; 等.

来源出版物: ENVIRONMENTAL SCIENCE-NANO

卷: 1 期: 2 页: 90-112 出版年: APR 2014

第14 条，共 63条

标题: Hierarchical N- Doped TiO2 Microspheres with Exposed (001) Facets for Enhanced Visible Light Catalysis

作者: Li, Zhongtao; Ren, Zhiyu; Qu, Yang; 等.

来源出版物: EUROPEAN JOURNAL OF INORGANIC CHEMISTRY

卷: 2014 期: 12 页: 2146-2152 出版年: APR 2014

第15 条，共 63条

标题: Al-doped ZnO inverse opal networks as efficient electron collectors in BiVO4 photoanodes for solar water oxidation

作者: Zhang, Liwu; Reisner, Erwin; Baumberg, Jeremy J.

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE

卷: 7 期: 4 页: 1402-1408 出版年: APR 2014

第 16 条，共 63条

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

作者: Li, Ping; Zhou, Yong; Zhao, Zongyan; 等.

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

卷: 137 期: 30 页: 9547-9550 出版年: AUG 5 2015

第 17 条，共 63条

标题: Insights into the Surface-Defect Dependence of Photoreactivity over CeO2 Nanocrystals with Well-Defined Crystal Facets

作者: Jiang, Dong; Wang, Wenzhong; Zhang, Ling; 等.

来源出版物: ACS CATALYSIS

卷: 5 期: 8 页: 4851-4858 出版年: AUG 2015

第 18 条，共 63条

标题: Preparation of p-n junction BiVO4/Ag2O heterogeneous nanostructures with enhanced visible-light photocatalytic activity

作者: Li, Junqi; Cui, Mingming; Guo, Zhanyun; 等.

来源出版物: MATERIALS LETTERS

卷: 151 页: 75-78 出版年: JUL 15 2015

第19 条，共 63条

标题: 1D Co-Pi Modified BiVO4/ZnO Junction Cascade for Efficient Photoelectrochemical Water Cleavage

作者: Moniz, Savio J. A.; Zhu, Jun; Tang, Junwang

来源出版物: ADVANCED ENERGY MATERIALS

卷: 4 期: 10 文献号:1301590 出版年: JUL 15 2014

第20 条，共 63条

标题: Functionalized nanostructures for enhanced photocatalytic performance under solar light

作者: Guo, Liejin; Jing, Dengwei; Liu, Maochang; 等.

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY

卷: 5 页: 994-1004 出版年: JUL 9 2014

第21 条，共 63条

标题: Synthesis of Nanoparticulate In-Doped BiVO4 for Enhanced Visible-Light Photocatalytic Degradation of Dye

作者: Karunakaran, Chockalingam; Kalaivani, Selvaraj

来源出版物: INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY

卷: 12 期: 4 页: 711-721 出版年: JUL-AUG 2015

第22 条，共 63条

标题: Enhanced Activity of BiVO4 Powdered Photocatalyst Under Visible Light Irradiation by Preparing Microwave-Assisted Aqueous Solution Methods

作者: Soma, Kota; Iwase, Akihide; Kudo, Akihiko

来源出版物: CATALYSIS LETTERS

卷: 144 期: 11 页: 1962-1967 出版年:NOV 2014

第23 条，共 63条

标题: Plasmonic Enhancement in BiVO4 Photonic Crystals for Efficient Water Splitting

作者: Zhang, Liwu; Lin, Chia-Yu; Valev, Ventsislav K.; 等.

来源出版物: SMALL

卷: 10 期: 19 页: 3970-3978 出版年: OCT 15 2014

第24 条，共 63条

标题: Solvothermal synthesis of SnNb2O6 nanoplates and enhanced photocatalytic H-2 evolution under visible light

作者: Seo, Se Won; Noh, Tae Hoon; Park, Sangbaek; 等.

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY

卷: 39 期: 30 页: 17517-17523 出版年: OCT 13 2014

第25 条，共 63条

标题: Hierarchically Z-scheme photocatalyst of Ag@AgCl decorated on BiVO4 (040) with enhancing photoelectrochemical and photocatalytic performance

作者: Li, Hongyan; Sun, Yingjuan; Cai, Bin; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 170 页: 206-214 出版年: JUL 2015

第26 条，共 63条

标题: Variation in Surface Ionization Potentials of Pristine and Hydrated BiVO4

作者: Crespo-Otero, Rachel; Walsh, Aron

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY LETTERS

卷: 6 期: 12 页: 2379-2383 出版年: JUN 18 2015

第27 条，共 63条

标题: Toward Enhanced Photocatalytic Oxygen Evolution: Synergetic Utilization of Plasmonic Effect and Schottky Junction via Interfacing Facet Selection

作者: Bai, Song; Li, Xiyu; Kong, Qiao; 等.

来源出版物: ADVANCED MATERIALS

卷: 27 期: 22 页: 3444-3452 出版年: JUN 10 2015

第28 条，共 63条

标题: Facet-Dependent Stripping Behavior of Cu2O Microcrystals Toward Lead Ions: A Rational Design for the Determination of Lead Ions

作者: Liu, Zhong-Gang; Sun, Yu-Feng; Chen, Wen-Kai; 等.

来源出版物: SMALL

卷: 11 期: 21 页: 2493-2498 出版年: JUN 3 2015

第29 条，共 63条

标题: Influence of facets and heterojunctions in photoactive bismuth oxyiodide

作者: Han, Aijuan; Sun, Jiulong; Lin, Xuanhao; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 107 页: 88298-88305 出版年: 2015

第30 条，共 63条

标题: Particle suspension reactors and materials for solar-driven water splitting

作者: Fabian, David M.; Hu, Shu; Singh, Nirala; 等.

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE

卷: 8 期: 10 页: 2825-2850 出版年: 2015

第31 条，共 63条

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

作者: Zhang, Junlei; Zhang, Lisha; Yu, Nuo; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 92 页: 75081-75088 出版年: 2015

第32 条，共 63条

标题: Sun-light-driven photocatalytic activity by ZnO/Ag heteronanostructures synthesized via a facile thermal decomposition approach

作者: Kandula, Syam; Jeevanandam, Pethaiyan

来源出版物: RSC ADVANCES

卷: 5 期: 93 页: 76150-76159 出版年: 2015

第33共 63条.

标题: One-Pot Soft-Templating Method to Synthesize Crystalline Mesoporous Tantalum Oxide and Its Photocatalytic Activity for Overall Water Splitting

作者: Guo, Limin; Hagiwara, Hidehisa; Ida, Shintaro; 等.

来源出版物: ACS APPLIED MATERIALS & INTERFACES

卷: 5 期: 21 页:11080-11086 出版年: NOV 13 2013

第34共 63条

标题: Selective deposition of redox co-catalyst(s) to improve the photocatalytic activity of single-domain ferroelectric PbTiO3 nanoplates

作者: Zhen, Chao; Yu, Jimmy C.; Liu, Gang; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 50 期: 72 页: 10416-10419 出版年: 2014

第35共 63条

标题: Dynamics of photogenerated holes in undoped BiVO4 photoanodes for solar water oxidation

作者: Ma, Yimeng; Pendlebury, Stephanie R.; Reynal, Anna; 等.

来源出版物: CHEMICAL SCIENCE

卷: 5 期: 8 页: 2964-2973 出版年: 2014

第36共 63条

标题: Why the photocatalytic activity of Mo-doped BiVO4 is enhanced: a comprehensive density functional study

作者: Ding, Kaining; Chen, Bin; Fang, Zhenxing; 等.

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS

卷: 16 期: 26 页: 13465-13476 出版年: 2014

第37条，共 63条

标题: The orientation dependence of the photochemical reactivity of BiVO4

作者: Munprom, Ratiporn; Salvador, Paul A.; Rohrer, Gregory S.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 5 页: 2370-2377 出版年: 2015

第38，共 63条

标题: A high surface area ordered mesoporous BiFeO3 semiconductor with efficient water oxidation activity

作者: Papadas, Ioannis; Christodoulides, Joseph A.; Kioseoglou, George; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 4 页: 1587-1593 出版年: 2015

第39，共 163条

标题: Precursor-induced self-assembly of Bi5O7NO3 nanocrystals into superstructures and their distinct photocatalytic performance

作者: Zhang, Longzhu; Jiang, Denghui; Xiang, Xianmei; 等.

来源出版物: CRYSTENGCOMM

卷: 17 期: 3 页: 516-519 出版年: 2015

第40，共 63条

标题: One-dimensional Bi2O3 QD-decorated BiVO4 nanofibers: electrospinning synthesis, phase separation mechanism and enhanced photocatalytic performance

作者: Lv, Chade; Chen, Gang; Sun, Jingxue; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 5 页: 3767-3773 出版年: 2015

第41共 63条

标题: Hybrid Z-Scheme Using Photosystem I and BiVO4 for Hydrogen Production

作者: Kim, Younghye; Shin, Della; Chang, Woo Je; 等.

来源出版物: ADVANCED FUNCTIONAL MATERIALS

卷: 25 期: 16 页: 2369-2377 出版年: APR 22 2015

第42共 63条

标题: Fabrication of hierarchical Bi4Ti3O12 nanosheets on carbon fibers with improved photocatalytic activity

作者: Weng, Baicheng; Xu, Fenghua; Yu, Fangli

来源出版物: MATERIALS LETTERS

卷: 145 页: 70-73 出版年: APR 15 2015

第43，共 63条

标题: Superiority and mechanism of Pt oriented-deposition in improving the photocatalytic activity of TiO2 sphere with exposed {001} facet

作者: Wang, Wei; Zhou, Yingjie; Ni, Yaru; 等.

来源出版物: MATERIALS LETTERS

卷: 145 页: 180-183 出版年: APR 15 2015

第44，共 63条

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

作者: Li, Haidong; Sang, Yuanhua; Chang, Sujie; 等.

来源出版物: NANO LETTERS

卷: 15 期: 4 页: 2372-2379 出版年: APR 2015

第45，共 63条

标题: Integration of organometallic complexes with semiconductors and other nanomaterials for photocatalytic H-2 production

作者: Wang, Mei; Han, Kai; Zhang, Shuai; 等.

来源出版物: COORDINATION CHEMISTRY REVIEWS

卷: 287 页: 1-14 出版年: MAR 15 2015

第46，共 63条

标题: Atomic Scale Analysis of the Enhanced Electro- and Photo-Catalytic Activity in High-Index Faceted Porous NiO Nanowires

作者: Shen, Meng; Han, Ali; Wang, Xijun; 等.

来源出版物: SCIENTIFIC REPORTS

卷: 5 文献号: 8557 出版年: FEB 24 2015

第47，共 63条

标题: Synergistic Effect of Double-Shelled and Sandwiched TiO2@Au@C Hollow Spheres with Enhanced Visible-Light-Driven Photocatalytic Activity

作者: Cai, Jiabai; Wu, Xueqing; Li, Shunxing; 等.

来源出版物: ACS APPLIED MATERIALS & INTERFACES

卷: 7 期: 6 页: 3764-3772 出版年: FEB 18 2015

第48，共 63条

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

作者: Li, Haijin; Zhou, Yong; Tu, Wenguang; 等.

来源出版物: ADVANCED FUNCTIONAL MATERIALS

卷: 25 期: 7 页: 998-1013 出版年: FEB 18 2015

第49，共 63条

标题: One-step uniformly hybrid carbon quantum dots with high-reactive TiO2 for photocatalytic application

作者: Wang, Wei; Ni, Yaru; Xu, Zhongzi

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS

卷: 622 页: 303-308 出版年: FEB 15 2015

第50，共 63条

标题: Urchinlike pristine and Er-doped ZnS hierarchical nanostructures: Controllable synthesis, photoluminescence and enhanced photocatalytic performance

作者: Tong, Yanhua; Cao, Feng; Yang, Jintian; 等.

来源出版物: MATERIALS CHEMISTRY AND PHYSICS

卷: 151 页: 357-363 出版年: FEB 1 2015

第51，共 63条

标题: Modulation of charge carrier dynamics of NaxH2-xTi3O7-Au-Cu2O Z-scheme nanoheterostructures through size effect

作者: Pu, Ying-Chih; Lin, Wei-Hao; Hsu, Yung-Jung

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 163 页: 343-351 出版年: FEB 2015

第52，共 63条

标题: Creation of Cu2O@TiO2 Composite Photocatalysts with p-n Heterojunctions Formed on Exposed Cu2O Facets, Their Energy Band Alignment Study, and Their Enhanced Photocatalytic Activity under Illumination with Visible Light

作者: Liu, Lingmei; Yang, Weiyi; Sun, Wuzhu; 等.

来源出版物: ACS APPLIED MATERIALS & INTERFACES

卷: 7 期: 3 页: 1465-1476 出版年: JAN 28 2015

第53，共 63条

标题: Aerosol-Assisted Combustion Synthesis of Single-Crystalline NaSbO3 Nanoplates: A Topotactic Template for Ilmenite AgSbO3

作者: Chen, Dennis P.; Bowers, William; Skrabalak, Sara E.

来源出版物: CHEMISTRY OF MATERIALS

卷: 27 期: 1 页: 174-180 出版年: JAN 13 2015

第54，共 63条

标题: Hierarchical BiF3-Bi2NbO5F Core-Shell Structure and Its Application in the Photosensitized Degradation of Rhodamine B under Visible Light Irradiation

作者: Lei, Shuijin; Wang, Chuanning; Cheng, Di; 等.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C

卷: 119 期: 1 页: 502-511 出版年: JAN 8 2015

第55，共 63条

标题: Selective construction of junctions on different facets of BiVO4 for enhancing photo-activity

作者: Wang, Peng; Zheng, Jin You; Zhang, Dun; 等.

来源出版物: NEW JOURNAL OF CHEMISTRY

卷: 39 期: 12 页: 9918-9925 出版年: 2015

第56，共 63条

标题: Preparation and Activities of Visible-Light-Driven BiVO4 by Doping Zn2+ via Solid State Method

作者: Hu, Jingling; Chen, Haifeng

编者: Gao, Y

会议: International Conference on Chemical, Material and Food Engineering (CMFE) 会议地点: Kunming, PEOPLES R CHINA 会议日期: JUL 25-26, 2015

会议赞助商: Chongqing Univ; Hubei Unive Technol; Wuhan Textile Univ; Tianjin Univ; East China Normal Univ; Birmingham City Univ

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON CHEMICAL, MATERIAL AND FOOD ENGINEERING 丛书: AER-Advances in Engineering Research

卷: 22 页: 241-244 出版年: 2015

第57，共 63条

标题: Carbon-doped titania flakes with an octahedral bipyramid skeleton structure for the visible-light photocatalytic mineralization of ciprofloxacin

作者: Shi, Jian-Wen; Wang, Zhenyu; He, Chi; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 119 页: 98361-98365 出版年: 2015

第58，共 63条

标题: Precursor-directed synthesis of well-faceted brookite TiO2 single crystals for efficient photocatalytic performances

作者: Xu, Yangsen; Lin, Haifeng; Li, Liping; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 44 页: 22361-22368 出版年: 2015

第59，共 63条

标题: Controllable synthesis of 3D BiVO4 superstructures with visible-light-induced photocatalytic oxidation of NO in the gas phase and mechanistic analysis

作者: Ou, Man; Nie, Haoyu; Zhong, Qin; 等.

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS

卷: 17 期: 43 页: 28809-28817 出版年: 2015

第60，共 63条

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

作者: Sun, Xiaoming; Dai, Weili; Wu, Guangjun; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 51 期: 72 页: 13779-13782 出版年: 2015

第61，共 63条

标题: Synthesis of BiVO4@C Core-Shell Structure on Reduced Graphene Oxide with Enhanced Visible-Light Photocatalytic Activity

作者: Sun, Zhihua; Li, Chenzhe; Zhu, Shenmin; 等.

来源出版物: CHEMSUSCHEM

卷: 8 期: 16 页: 2719-2726 出版年: 2015

第62，共 63条

标题: Crystal-facet-dependent hot-electron transfer in plasmonic-Au/semiconductor heterostructures for efficient solar photocatalysis

作者: Liu, Guigao; Wang, Tao; Zhou, Wei; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY C

卷: 3 期: 29 页: 7538-7542 出版年: 2015

第63，共 63条

标题: Synthesis and phase transfer of well-defined BiVO4 nanocrystals for photocatalytic water splitting

作者: Yehezkeli, Omer; Harguindey, Albert; Domaille, Dylan W.; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 72 页: 58755-58759 出版年: 2015

**二、引用论文第一产权单位为国内机构**

第1，共 100

标题: Visible-light-driven BiOBr nanosheets for highly facet-dependent photocatalytic inactivation of Escherichia coli

作者: Wu, Dan; Wang, Bo; Wang, Wei; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

第2条，共 100条

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

作者: Feng, Wenhui; Weng, Sunxian; Zheng, Zuyang; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 51 期: 56 页: 11186-11189 出版年: 2015

第3 条，共 100条

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

作者: Hu, Yin; Li, Danzhen; Sun, Fuqian; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 68 页: 54882-54889 出版年: 2015

第4 条，共 100条

标题: Insights into the structure-photoreactivity relationships in well-defined perovskite ferroelectric KNbO3 nanowires

作者: Zhang, Tingting; Lei, Wanying; Liu, Ping; 等.

来源出版物: CHEMICAL SCIENCE

卷: 6 期: 7 页: 4118-4123 出版年: 2015

第5 条，共 100条

标题: BiVO4 Hollow Nanoplates with Improved Photocatalytic Water Oxidation Efficiency

作者: Liu, Min; Suzuki, Yashiro

来源出版物: CURRENT NANOSCIENCE

卷: 11 期: 4 页: 499-503 出版年: 2015

第6 条，共 100条

标题: Recent advances in hybrid Cu2O-based heterogeneous nanostructures

作者: Sun, Shaodong

来源出版物: NANOSCALE

卷: 7 期: 25 页: 10850-10882 出版年: 2015

第7 条，共 100条

标题: Some recent developments in surface and interface design for photocatalytic and electrocatalytic hybrid structures

作者: Bai, Song; Xiong, Yujie

来源出版物: CHEMICAL COMMUNICATIONS

卷: 51 期: 51 页: 10261-10271 出版年: 2015

第8 条，共 100条

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

作者: Szyja, Bartlomiej M.; van Santen, Rutger A.

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS

卷: 17 期: 19 页: 12486-12491 出版年: 2015

第9 条，共 100条

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

作者: Bai, Song; Jiang, Jun; Zhang, Qun; 等.

来源出版物: CHEMICAL SOCIETY REVIEWS

卷: 44 期: 10 页: 2893-2939 出版年: 2015

第10 条，共 100条

标题: 3D ordered macroporous TiO2-supported Pt@CdS core-shell nanoparticles: design, synthesis and efficient photocatalytic conversion of CO2 with water to methane

作者: Wei, Yuechang; Jiao, Jinqing; Zhao, Zhen; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 20 页: 11074-11085 出版年: 2015

第11 条，共 100条

标题: Aqueous dispersed ablated bismuth species and their potential as colloidal Bi precursors in synthetic strategies

作者: Tian, Zhenfei; Wu, Shouliang; Wang, Panpan; 等.

来源出版物: CRYSTENGCOMM

卷: 17 期: 15 页: 3015-3022 出版年: 2015

第12 条，共 100条

标题: Structural distortion in graphitic-C3N4 realizing an efficient photoreactivity

作者: Wang, Hui; Zhang, Xiaodong; Xie, Junfeng; 等.

来源出版物: NANOSCALE

卷: 7 期: 12 页: 5152-5156 出版年: 2015

第13 条，共 100条

标题: Site-selective photodeposition of Pt on a particulate Sc-La5Ti2CuS5O7 photocathode: evidence for one-dimensional charge transfer

作者: Ma, Guijun; Liu, Jingyuan; Hisatomi, Takashi; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 51 期: 20 页: 4302-4305 出版年: 2015

第14 条，共 100条

标题: Engineering a high energy surface of anatase TiO2 crystals towards enhanced performance for energy conversion and environmental applications

作者: Chen, Wei; Kuang, Qin; Wang, Qiuxiang; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 26 页: 20396-20409 出版年: 2015

第15 条，共 100条

标题: Large-scale growth of hierarchical transition-metal vanadate nanosheets on metal meshes as monolith catalysts for De-NOx reaction

作者: Huang, Lei; Zhao, Xin; Zhang, Lei; 等.

来源出版物: NANOSCALE

卷: 7 期: 6 页: 2743-2749 出版年: 2015

第16 条，共 100条

标题: Carbon-doped titania nanoplates with exposed {001} facets: facile synthesis, characterization and visible-light photocatalytic performance

作者: Shi, Jian-Wen; Liu, Chang; He, Chi; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 23 页: 17667-17675 出版年: 2015

第17 条，共 100条

标题: Engineering heterogeneous semiconductors for solar water splitting

作者: Li, Xin; Yu, Jiaguo; Low, Jingxiang; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 6 页: 2485-2534 出版年: 2015

第18 条，共 100条

标题: Surfactant-free hydrothermal fabrication of monoclinic BiVO4 photocatalyst with oxygen vacancies by copper doping

作者: Li, Dezhi; Wang, Wenzhong; Jiang, Dong; 等.

来源出版物: RSC ADVANCES

卷: 5 期: 19 页: 14374-14381 出版年: 2015

第19 条，共 100条

标题: Ultrathin-nanosheet-based 3D hierarchical porous In2S3 microspheres: chemical transformation synthesis, characterization, and enhanced photocatalytic and photoelectrochemical property

作者: Wu, Rui; Xu, You; Xu, Rui; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 3 期: 5 页: 1930-1934 出版年: 2015

第20 条，共 100条

标题: Selective transport of electron and hole among {001} and {110} facets of BiOCl for pure water splitting

作者: Zhang, Ling; Wang, Wenzhong; Sun, Songmei; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 162 页: 470-474 出版年: JAN 2015

第21 条，共 100条

标题: Cubic In2O3 Microparticles for Efficient Photoelectrochemical Oxygen Evolution

作者: Meng, Ming; Wu, Xinglong; Zhu, Xiaobin; 等.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY LETTERS

卷: 5 期: 24 页: 4298-4304 出版年: DEC 18 2014

第22 条，共 100条

标题: Hierarchical structures constructed by BiOX (X = Cl, I) nanosheets on CNTs/carbon composite fibers for improved photocatalytic degradation of methyl orange

作者: Weng, Baicheng; Xu, Fenghua; Xu, Jianguang

来源出版物: JOURNAL OF NANOPARTICLE RESEARCH

卷: 16 期: 12 文献号: 2766 出版年: DEC 2014

第23 条，共 100条

标题: Effective Enhancement of TiO2 Photocatalysis by Synergistic Interaction of Surface Species: From Promoters to Co-catalysts

作者: Munoz-Batista, Mario J.; Kubacka, Anna; Fernandez-Garcia, Marcos

来源出版物: ACS CATALYSIS

卷: 4 期: 12 页: 4277-4288 出版年: DEC 2014

第24 条，共 100条

标题: Sorption-Determined Deposition of Platinum on Well-Defined Platelike WO3

作者: Wenderich, Kasper; Klaassen, Aram; Siretanu, Igor; 等.

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

卷: 53 期:46 特刊: SI 页: 12476-12479 出版年: NOV 10 2014

第25 条，共 100条

标题: Anisotropy in Photocatalytic Hydrogen Evolution of LiNbO3 (001), (100) and (110) Faces

作者: Song Yan; Li Zhao-Sheng; Zou Zhi-Gang

来源出版物: CHINESE JOURNAL OF INORGANIC CHEMISTRY

卷: 30 期: 11 页: 2484-2488 出版年: NOV 2014

第26 条，共 100条

标题: Au deposited BiOCl with different facets: On determination of the facet-induced transfer preference of charge carriers and the different plasmonic activity

作者: Lin, Huaxiang; Ding, Luyao; Pei, Zengxia; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 160 页: 98-105 出版年: NOV 2014

第27 条，共 100条

标题: Fabrication of positively and negatively charged, double-shelled, nanostructured hollow spheres for photodegradation of cationic and anionic aromatic pollutants under sunlight irradiation

作者: Li, Shunxing; Cai, Jiabai; Wu, Xueqing; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 160 页: 279-285 出版年: NOV 2014

第28 条，共 100条

标题: Titanium Dioxide Crystals with Tailored Facets

作者: Liu, Gang; Yang, Hua Gui; Pan, Jian; 等.

来源出版物: CHEMICAL REVIEWS

卷: 114 期: 19 页: 9559-9612 出版年:OCT 8 2014

第29 条，共 100条

标题: Pt/TiO2 Nanosheets Array Dominated by {001} Facets with Enhanced Photocatalytic Activity

作者: Li, Feng; Fu, Zheng-ping; Lu, Ya-lin

来源出版物: CHINESE JOURNAL OF CHEMICAL PHYSICS

卷: 27 期: 5 页:530-534 出版年: OCT 2014

第30 条，共 100条

标题: Reduced Graphene Oxide (rGO)/BiVO4 Composites with Maximized Interfacial Coupling for Visible Lght Photocatalysis

作者: Wang, Tuo; Li, Changjiang; Ji, Junyi; 等.

来源出版物: ACS SUSTAINABLE CHEMISTRY & ENGINEERING

卷: 2 期: 10 页: 2253-2258 出版年: OCT 2014

第31 条，共 100条

标题: Novel visible-light-responsive photoelectrochemical sensor of 2,4-dichlorophenoxyacetic acid using molecularly imprinted polymer/BiOI nanoflake arrays

作者: Peng, Dinghua; Li, Xue; Zhang, Lizhi; 等.

来源出版物: ELECTROCHEMISTRY COMMUNICATIONS

卷: 47 页: 9-12 出版年: OCT 2014

第32 条，共 100条

标题: Which affect the photoreactivity of BiOBr single-crystalline nanosheets with different hydrothermal pH value: Size or facet?

作者: Ye, Liqun; Su, Yurong; Jin, Xiaoli; 等.

来源出版物: APPLIED SURFACE SCIENCE

卷: 311 页: 858-863 出版年:AUG 30 2014

第33 条，共 100条

标题: Recent advances in TiO2-based photocatalysis

作者: Xu, Hua; Ouyang, Shuxin; Liu, Lequan; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 32 页:12642-12661 出版年: AUG 28 2014

第34 条，共 100条

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

作者: Li, Naixu; Liu, Maochang; Zhou, Zhaohui; 等.

来源出版物: NANOSCALE

卷: 6 期: 16 页: 9695-9702 出版年: AUG 21 2014

第35 条，共 100条

标题: The surface-plasmon- resonance and band bending effects on the photoluminescence enhancement of Ag-decorated ZnO nanorods

作者: Su, Li; Qin, Ni; Xie, Wei; 等.

来源出版物: JOURNAL OF APPLIED PHYSICS

卷: 116 期: 6 文献号:063108 出版年: AUG 14 2014

第36 条，共 100条

标题: Semiconductor heterojunction photocatalysts: design, construction, and photocatalytic performances

作者: Wang, Huanli; Zhang, Lisha; Chen, Zhigang; 等.

来源出版物: CHEMICAL SOCIETY REVIEWS

卷: 43 期: 15 页: 5234-5244 出版年: AUG 7 2014

第37 条，共 100条

标题: Visible-Light-Driven Water Oxidation with Nanoscale Co3O4: New Optimization Strategies

作者: Liu, Hongfei; Patzke, Greta R.

来源出版物: CHEMISTRY-AN ASIAN JOURNAL

卷: 9 期: 8 特刊: SI 页:2249-2259 出版年: AUG 2014

第38 条，共 100条

标题: Synthetic Design of Gold Nanoparticles on Anatase TiO2 {001} for Enhanced Visible Light Harvesting

作者: Yan, Junqing; Wu, Guangjun; Dai, Weili; 等.

来源出版物: ACS SUSTAINABLE CHEMISTRY & ENGINEERING

卷: 2 期: 8 页: 1940-1946 出版年: AUG 2014

第39 条，共 100条

标题: Monoclinic Porous BiVO4 Networks Decorated by Discrete g-C3N4 Nano-Islands with Tunable Coverage for Highly Efficient Photocatalysis

作者: Li, Changjiang; Wang, Shengping; Wang, Tuo; 等.

来源出版物: SMALL

卷: 10 期: 14 页: 2783-2790 出版年: JUL 23 2014

第40 条，共 100条

标题: Photocatalytic Reduction of Uranyl Ions over Rutile TiO2 Nanorods with Different Aspect Ratios

作者: Li, Le; Li, Hui; Deng, Weiyi; 等.

来源出版物: CHEMISTRY LETTERS

卷: 43 期: 6 页: 936-937 出版年: JUN 5 2014

第41 条，共 100条

标题: Quantitative Analysis and Visualized Evidence for High Charge Separation Efficiency in a Solid-Liquid Bulk Heterojunction

作者: Zhao, Xin; Luo, Wenjun; Feng, Jianyong; 等.

来源出版物: ADVANCED ENERGY MATERIALS

卷: 4 期: 9 文献号:1301785 出版年: JUN 2014

第42 条，共 100条

标题: Cooperative Dehydrogenation Coupling of Isopropanol and Hydrogenation Coupling of Acetone Over a Sodium Tantalate Photocatalyst

作者: Cao, Baoyue; Zhang, Jian; Zhao, Jianghong; 等.

来源出版物: CHEMCATCHEM

卷: 6 期: 6 页: 1673-1678 出版年: JUN 2014

第43 条，共 100条

标题: CdS-mesoporous ZnS core-shell particles for efficient and stable photocatalytic hydrogen evolution under visible light

作者: Xie, Ying Peng; Yu, Zong Bao; Liu, Gang; 等.

来源出版物: ENERGY & ENVIRONMENTAL SCIENCE

卷: 7 期: 6 页: 1895-1901 出版年: JUN 2014

第44 条，共 100条

标题: Visible light photooxidative performance of a high-nuclearity molecular bismuth vanadium oxide cluster

作者: Tucher, Johannes; Streb, Carsten

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY

卷: 5 页: 711-716 出版年: MAY 26 2014

第45 条，共 100条

标题: Effects of the preparation method on the structure and the visible-light photocatalytic activity of Ag2CrO4

作者: Xu, Difa; Cao, Shaowen; Zhang, Jinfeng; 等.

来源出版物: BEILSTEIN JOURNAL OF NANOTECHNOLOGY

卷: 5 页: 658-666 出版年: MAY 19 2014

第46 条，共 100条

标题: New evidence for the regulation of photogenerated electron transfer on surface potential energy controlled co-catalyst on TiO2 - The investigation of hydrogen production over selectively exposed Au facet on Au/TiO2

作者: Cui, Entian; Lu, Gongxuan

来源出版物: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY

卷: 39 期: 15 页: 7672-7685 出版年: MAY 15 2014

第47 条，共 100条

标题: Designing p-Type Semiconductor-Metal Hybrid Structures for Improved Photocatalysis

作者: Wang, Lili; Ge, Jing; Wang, Ailun; 等.

来源出版物: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION

卷: 53 期:20 页: 5107-5111 出版年: MAY 12 2014

第48 条，共 100条

标题: A comparison of H+-restacked nanosheets and nanoscrolls derived from K4Nb6O17 for visible-light degradation of dyes

作者: Hu, Chenhui; Zhang, Lihong; Cheng, Liyuan; 等.

来源出版物: JOURNAL OF ENERGY CHEMISTRY

卷: 23 期: 2 页: 136-144 出版年: MAR 2014

第49 条，共 100条

标题: AgI Microplate Monocrystals with Polar {0001} Facets: Spontaneous Photocarrier Separation and Enhanced Photocatalytic Activity

作者: Kuang, Qin; Zheng, Xiaoli; Yang, Shihe

来源出版物: CHEMISTRY-A EUROPEAN JOURNAL

卷: 20 期: 9 页: 2637-2645 出版年: FEB 24 2014

第50 条，共 100条

标题: Ta3N5-Pt nonwoven cloth with hierarchical nanopores as efficient and easily recyclable macroscale photocatalysts

作者: Li, Shijie; Zhang, Lisha; Wang, Huanli; 等.

来源出版物: SCIENTIFIC REPORTS

卷: 4 文献号: 3978 出版年: FEB 5 2014

第51 条，共 100条

标题: Noble-metal-free plasmonic photocatalyst: hydrogen doped semiconductors

作者: Ma, Xiangchao; Dai, Ying; Yu, Lin; 等.

来源出版物: SCIENTIFIC REPORTS

卷: 4 文献号: 3986 出版年: FEB 5 2014

第52 条，共 100条

标题: Nanostructured bismuth vanadate-based materials for solar-energy-driven water oxidation: a review on recent progress

作者: Huang, Zhen-Feng; Pan, Lun; Zou, Ji-Jun; 等.

来源出版物: NANOSCALE

卷: 6 期: 23 页: 14044-14063 出版年: 2014

第53 条，共 100条

标题: Advance ternary surface-fluorinated TiO2 nanosheet/Ag3PO4/Ag composite photocatalyst with planar heterojunction and island Ag electron capture center

作者: Dai, Kai; Lu, Luhua; Liang, Changhao; 等.

来源出版物: RSC ADVANCES

卷: 4 期: 107 页: 62751-62758 出版年: 2014

第54 条，共 100条

标题: Photocatalytic aerobic oxidation of amines to imines on BiVO4 under visible light irradiation

作者: Yuan, Bo; Chong, Ruifeng; Zhang, Bao; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 50 期: 98 页: 15593-15596 出版年: 2014

第55 条，共 100条

标题: Ag size-dependent visible-light-responsive photoactivity of Ag-TiO2 nanostructure based on surface plasmon resonance

作者: Jiang, Zhuo; Ouyang, Qin; Peng, Bosi; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 46 页:19861-19866 出版年: 2014

第56 条，共 100条

标题: Synthesis of hierarchical Bi2O3/Bi4Ti3O12 p-n junction nanoribbons on carbon fibers from (001) facet dominated TiO2 nanosheets

作者: Weng, Baicheng; Xu, Fenghua; Xu, Jianguang

来源出版物: RSC ADVANCES

卷: 4 期: 100 页: 56682-56689 出版年: 2014

第57 条，共 100条

标题: Facile synthesis of V4+ self-doped, [010] oriented BiVO4 nanorods with highly efficient visible light-induced photocatalytic activity

作者: Zhang, Yangyang; Guo, Yiping; Duan, Huanan; 等.

来源出版物: PHYSICAL CHEMISTRY CHEMICAL PHYSICS

卷: 16 期: 44 页: 24519-24526 出版年: 2014

第58 条，共 100条

标题: Reactable ionic liquid-assisted rapid synthesis of BiOI hollow microspheres at room temperature with enhanced photocatalytic activity

作者: Di, Jun; Xia, Jiexiang; Ge, Yuping; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 38 页:15864-15874 出版年: 2014

第59 条，共 100条

标题: A new type of carbon nitride-based polymer composite for enhanced photocatalytic hydrogen production

作者: Xing, Zheng; Chen, Zhigang; Zong, Xu; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 50 期: 51 页: 6762-6764 出版年: 2014

第60 条，共 100条

标题: Morphology-selective crystallization of cocatalysts on cuprous oxide with improved photocatalytic activity

作者: Xiang, Xianmei; Zhang, Longzhu; Chou, Lingjun; 等.

来源出版物: CRYSTENGCOMM

卷: 16 期: 24 页: 5180-5183 出版年: 2014

第61 条，共 100条

标题: Graphene-wrapped Bi2O2CO3 core-shell structures with enhanced quantum efficiency profit from an ultrafast electron transfer process

作者: Zhang, Yalei; Li, Deyi; Zhang, Yonggang; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 22 页:8273-8280 出版年: 2014

第62 条，共 100条.

标题: Comparative density functional theory study on the electronic and optical properties of BiMO4 (M = V, Nb, Ta)

作者: Ding, Kaining; Chen, Bin; Li, Yulu; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 22 页:8294-8303 出版年: 2014

第63 条，共 100条.

标题: Hydrothermal growth and characterization of length tunable porous iron vanadate one-dimensional nanostructures

作者: Huang, Lei; Shi, Liyi; Zhao, Xin; 等.

来源出版物: CRYSTENGCOMM

卷: 16 期: 23 页: 5128-5133 出版年: 2014

第64 条，共 100条.

标题: Effect of depositing silver nanoparticles on BiVO4 in enhancing visible light photocatalytic inactivation of bacteria in water

作者: Booshehri, Amin Yoosefi; Goh, Simon Chun-Kiat; Hong, Jindui; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 17 页:6209-6217 出版年: 2014

第65 条，共 100条.

标题: Preparation of sphere-like g-C3N4/BiOI photocatalysts via a reactable ionic liquid for visible-light-driven photocatalytic degradation of pollutants

作者: Di, Jun; Xia, Jiexiang; Yin, Sheng; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 15 页:5340-5351 出版年: 2014

第66 条，共 100条.

标题: One-pot hydrothermal synthesis of BiPO4/BiVO4 with enhanced visible-light photocatalytic activities for methylene blue degradation

作者: Lin, Haili; Ye, Huifang; Chen, Shifu; 等.

来源出版物: RSC ADVANCES

卷: 4 期: 21 页: 10968-10974 出版年: 2014

第67 条，共 100条.

标题: Photocatalytic materials: recent achievements and near future trends

作者: Fresno, Fernando; Portela, Raquel; Suarez, Silvia; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 2 期: 9 页:2863-2884 出版年: 2014

第68 条，共 100条.

标题: Engineering BiOX (X = Cl, Br, I) nanostructures for highly efficient photocatalytic applications

作者: Cheng, Hefeng; Huang, Baibiao; Dai, Ying

来源出版物: NANOSCALE

卷: 6 期: 4 页: 2009-2026 出版年: 2014

第69 条，共 100条.

标题: Photocatalysts with internal electric fields

作者: Li, Li; Salvador, Paul A.; Rohrer, Gregory S.

来源出版物: NANOSCALE

卷: 6 期: 1 页: 24-42 出版年: 2014

第70 条，共 100条.

标题: Synthesis and internal electric field dependent photoreactivity of Bi3O4Cl single-crystalline nanosheets with high {001} facet exposure percentages

作者: Li, Jie; Zhang, Lizhi; Li, Yujie; 等.

来源出版物: NANOSCALE

卷: 6 期: 1 页: 167-171 出版年: 2014

第71 条，共 100条.

标题: Photocatalytic reforming of glucose under visible light over morphology controlled Cu2O: efficient charge separation by crystal facet engineering

作者: Zhang, Longzhou; Shi, Jinwen; Liu, Maochang; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 50 期: 2 页: 192-194 出版年: 2014

第72 条，共 100条.

标题: Photoelectrode Materials for Solar Water Splitting

作者: Zhou Wenli; Xie Qingji; Lian Shixun

来源出版物: PROGRESS IN CHEMISTRY

卷: 25 期: 12 页: 1989-1998 出版年: DEC 24 2013

第73 条，共 100条.

标题: Modulating Photogenerated Electron Transfer and Hydrogen Production Rate by Controlling Surface Potential Energy on a Selectively Exposed Pt Facet on Pt/TiO2 for Enhancing Hydrogen Production

作者: Cui, Entian; Lu, Gongxuan

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C

卷: 117 期: 50 页:26415-26425 出版年: DEC 19 2013

第74 条，共 100条.

标题: Selective Deposition of Ag3PO4 on Monoclinic BiVO4(040) for Highly Efficient Photocatalysis

作者: Li, Changjiang; Zhang, Peng; Lv, Rui; 等.

来源出版物: SMALL

卷: 9 期: 23 页: 3951-3956 出版年: DEC 9 2013

第75 条，共 100条.

标题: Insights into the Role of Surface Distortion in Promoting the Separation and Transfer of Photogenerated Carriers in Anatase TiO2

作者: Ma, Xiangchao; Dai, Ying; Guo, Meng; 等.

来源出版物: JOURNAL OF PHYSICAL CHEMISTRY C

卷: 117 期: 46 页:24496-24502 出版年: NOV 21 2013

第76 条，共 100条.

标题: Relative Photooxidation and Photoreduction Activities of the {100}, {101}, and {001} Surfaces of Anatase TiO2

作者: Ma, Xiangchao; Dai, Ying; Guo, Meng; 等.

来源出版物: LANGMUIR

卷: 29 期: 44 页: 13647-13654 出版年: NOV 5 2013

第77 条，共 100条.

标题: BiOX (X = Cl, Br, I) nanostructures: Mannitol-mediated microwave synthesis, visible light photocatalytic performance, and Cr(VI) removal capacity

作者: Li, Guangfang; Qin, Fan; Wang, Runming; 等.

来源出版物: JOURNAL OF COLLOID AND INTERFACE SCIENCE

卷: 409 页:43-51 出版年: NOV 1 2013

第78 条，共 100条.

标题: Combined Charge Carrier Transport and Photoelectrochemical Characterization of BiVO4 Single Crystals: Intrinsic Behavior of a Complex Metal Oxide

作者: Rettie, Alexander J. E.; Lee, Heung Chan; Marshall, Luke G.; 等.

来源出版物: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

卷: 135 期: 30 页: 11389-11396 出版年: JUL 31 2013

第79 条，共 100条.

标题: Roles of (001) and (101) Facets of Anatase TiO2 in Photocatalytic Reactions

作者: Wang Xiang; Li Ren-Gui; Xu Qian; 等.

来源出版物: ACTA PHYSICO-CHIMICA SINICA

卷: 29 期: 7 页: 1566-1571 出版年: JUL 2013

第80 条，共 100条.

标题: Nitrate anion-mediated morphology control of Bi5O7NO3 and its photocatalytic activity

作者: Zhang, Longzhu; Chou, Lingjun; Li, Xinheng

来源出版物: CRYSTENGCOMM

卷: 15 期: 48 页: 10579-10583 出版年:2013

第71 条，共 100条

标题: Targeted deposition of ZnO2 on brookite TiO2 nanorods towards high photocatalytic activity

作者: Guo, Meichen; Li, Liping; Lin, Haifeng; 等.

来源出版物: CHEMICAL COMMUNICATIONS

卷: 49 期: 100 页: 11752-11754 出版年: 2013

第82 条，共 100条

标题: Dramatic visible light photocatalytic activity of MnOx-BiOI heterogeneous photocatalysts and the selectivity of the cocatalyst

作者: Ye, Liqun; Liu, Xiaodi; Zhao, Qiang; 等.

来源出版物: JOURNAL OF MATERIALS CHEMISTRY A

卷: 1 期: 31 页:8978-8983 出版年: 2013

第83 条，共 100条

标题: The effect of hydrothermal temperature on the structure and photocatalytic activity of {001} faceted anatase TiO2

作者: Wang, Wei; Zhou, Yingjie; Lu, Chunhua; 等.

来源出版物: MATERIALS LETTERS

卷: 160 页: 231-234 出版年: DEC 1 2015.

第 84条，共 100条

标题: Effects of citric acid and urea on the structural and morphological characteristics of BiVO4 synthesized by the sol-gel combustion method

作者: Chen, Long; Wang, Junxia; Meng, Dawei; 等.

来源出版物: JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY

卷: 76 期: 3 页: 562-571 出版年: DEC 2015

第 85条，共 100条

标题: Efficient and stable photoelctrochemical water oxidation by ZnO photoanode coupled with Eu2O3 as novel oxygen evolution catalyst

作者: Xie, Shilei; Wei, Wenjie; Huang, Senchuan; 等.

来源出版物: JOURNAL OF POWER SOURCES

卷: 297 页: 9-15 出版年: NOV 30 2015

第 86条，共 100条

标题: Synthesis of spherical Ag/ZnO heterostructural composites with excellent photocatalytic activity under visible light and UV irradiation

作者: Liu, Hairui; Hu, Yanchun; Zhang, Zhuxia; 等.

来源出版物: APPLIED SURFACE SCIENCE

卷: 355 页: 644-652 出版年: NOV 15 2015

第 87条，共 100条

标题: Recent Progress on Nano-heterostructure Photocatalysts for Solar Fuels Generation

作者: Han Cheng; Lei Yong-Peng; Wang Ying-De

来源出版物: JOURNAL OF INORGANIC MATERIALS

卷: 30 期: 11 页: 1121-1130 出版年: NOV 2015

第88条，共 100条

标题: Role of active oxygen species in the liquid-phase photocatalytic degradation of RhB using BiVO4/TiO2 heterostructure under visible light irradiation

作者: Hu, Yin; Li, Danzhen; Wang, Huibin; 等.

来源出版物: JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL

卷: 408 页: 172-178 出版年: NOV 2015

第 89条，共 100条

标题: Effect of destructive {001}-{101} heterojunction on separating photo-generated electrons and holes of anatase TiO2

作者: Wang, Wei; Zhou, Yingjie; Wen, Yan; 等.

来源出版物: MATERIALS LETTERS

卷: 158 页: 29-31 出版年: NOV 1 2015

第 90条，共 100条

标题: Fabrication of BiVO4 nanoplates with active facets on graphene sheets for visible-light photocatalyst

作者: Li, Yao; Sun, Zhihua; Zhu, Shenmin; 等.

来源出版物: CARBON

卷: 94 页: 599-606 出版年: NOV 2015

第 91条，共 100条

标题: Facet-dependent photocatalytic mechanisms of anatase TiO2: A new sight on the self-adjusted surface heterojunction

作者: Gao, Shujun; Wang, Wei; Ni, Yaru; 等.

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS

卷: 647 页: 981-988 出版年: OCT 25 2015

第 92 条，共 100条

标题: MnOx quantum dots decorated reduced graphene oxide/TiO2 nanohybrids for enhanced activity by a UV pre-catalytic microwave method

作者: Cao, Shiyi; Chen, Chuansheng; Zhang, Juyan; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 176 页: 500-512 出版年: OCT 2015

第 93 条，共 100条

标题: Ultrathin 2D Nanolayer of RuO2 Effectively Enhances Charge Separation in the Photochemical Processes of TiO2

作者: Xiang, Guolei; Guo, Hongli; Long, Yong; 等.

来源出版物: SMALL

卷: 11 期: 35 页: 4469-4474 出版年: SEP 16 2015

第 94 条，共 100条

标题: NiO-TiO2 p-n heterostructured nanocables bridged by zero-bandgap rGO for highly efficient photocatalytic water splitting

作者: Yu, Xin; Zhang, Jian; Zhao, Zhenhuan; 等.

来源出版物: NANO ENERGY

卷: 16 页: 207-217 出版年: SEP 2015

第 95 条，共 100条

标题: Effect of solvent on alpha-SnWO4 photocatalyst for degradation of methyl orange under visible light irradiation

作者: Wang, Q. L.; Li, H. B.; Jiang, H. Y.; 等.

来源出版物: MATERIALS TECHNOLOGY

卷: 30 期: 5 页: 288-293 出版年: SEP 2015

第96 条，共 100条

标题: Novel visible-light-driven CQDs/Bi2WO6 hybrid materials with enhanced photocatalytic activity toward organic pollutants degradation and mechanism insight

作者: Di, Jun; Xia, Jiexiang; Ge, Yuping; 等.

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 168 页: 51-61 出版年: JUN 2015

第97 条，共 100条

标题: Improved Photocatalytic Performance of Heterojunction by Controlling the Contact Facet: High Electron Transfer Capacity between TiO2 and the {110} Facet of BiVO4 Caused by Suitable Energy Band Alignment

作者: Li, Houfen; Yu, Hongtao; Quan, Xie; 等.

来源出版物: ADVANCED FUNCTIONAL MATERIALS

卷: 25 期: 20 页: 3074-3080 出版年: MAY 27 2015

第98 条，共 100条

标题: One step to synthesize the nanocomposites of graphene nanosheets and N-doped titania nanoplates with exposed {001} facets for enhanced visible-light photocatalytic activity

作者: Shi, Jian-Wen; Liu, Chang; Ai, Hui-Ying; 等.

来源出版物: JOURNAL OF NANOPARTICLE RESEARCH

卷: 17 期: 5 文献号: 223 出版年: MAY 20 2015

第99 条，共 100条

标题: Enhanced photocatalytic activity of hierarchically structured BiVO4 oriented along {040} facets with different morphologies

作者: Chen, Long; Wang, Junxia; Meng, Dawei; 等.

来源出版物: MATERIALS LETTERS

卷: 147 页: 1-3 出版年: MAY 15 2015

第100条，共 100条

标题: SrTiO3 single crystals enclosed with high-indexed {023} facets and {001} facets for photocatalytic hydrogen and oxygen evolution

作者: Wang, Bin; Shen, Shaohua; Guo, Liejin

来源出版物: APPLIED CATALYSIS B-ENVIRONMENTAL

卷: 166 页: 320-326 出版年: MAY 2015

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