2016年百次引用论文奖

| **序号** | **论文题目** | **作者** | **组长** | **期刊名称** | **发表日期** | **卷** | **页码** | **总引次数** | **他引次数** | **国外机构他引** | **国内机构他引** | **备注** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Organic-inorganic hybrid silica monolith based immobilized trypsin reactor with high enzymatic activity | 马俊峰，梁振，乔晓强，邓启良，陶定银，张丽华，张玉奎 | 张丽华 | Analytical Chemistry | 2008 | 80 | 2949-2956 | 129 | 109 | 51 | 58 | 　 |
| 2 | Morphology‐dependent nanocatalysis: metal particles | 李勇，刘琪英，申文杰 | 申文杰 | DALTON TRANSACTIONS | 2011 | 40 | 5811‐5826 | 104 | 100 | 41 | 59 | 　 |
| 3 | Morphology‐dependent nanocatalysts: Rod‐shaped oxides | 李勇，申文杰 | 申文杰 | CHEMICAL SOCIETY REVIEWS | 2014 | 43 | 1543-1574 | 120 | 116 | 44 | 72 | 　 |
| 4 | Capture and Conversion of CO2 at Room Temperature and Pressure by a Conjugated Microporous Polymer | 谢勇，王婷婷，刘晓焕，邹坤，邓伟侨 | 邓伟侨 | Nature Communication | 2013 | 4 | 1960（1-7） | 146 | 137 | 44 | 93 | 　 |
| 5 | Pd-Catalyzed Asymmetric Hydrogenation of Unprotected Indoles Activated by Brønsted Acids | 王躲生，陈庆安，李伟，余长斌，周永贵，张绪穆 | 周永贵 | JOURNAL OF THE AMERICAN CHEMICAL SOCIETY | 2010 | 132 | 8909-8911 | 140 | 100 | 65 | 35 | 　 |
| 6 | Single-Atom Catalysts: A New Frontier in Heterogeneous Catalysis | 杨小峰，王爱琴，乔波涛，李隽，刘景月，张涛 | 张涛 | ACCOUNTS OF CHEMICAL RESEARCH | 2013 | 46 | 1740-1748 | 192 | 160 | 73 | 87 | 　 |
| 7 | Synthesis and Electrochemical Performance of Heteroatom-Incorporated Ordered Mesoporous Carbons | 赵晓晨，王爱琴，闫景旺，孙公权，孙立贤，张涛 | 张涛 | Chemistry of Materials | 2010 | 22 | 5463 | 129 | 113 | 36 | 77 | 　 |
| 8 | Catalytic conversion of carbohydrates into 5-hydroxymethylfurfural by Germanium(IV) chloride in ionic liquids | 张泽会，王倩，谢海波，刘武军，赵宗保 | 赵宗保 | CHEMSUSCHEM  | 2011 | 4 | 131-138 | 129 | 107 | 43 | 64 | 　 |
| 9 | Biodiesel production by direct methanolysis of oleaginous microbial biomass | 刘波，赵宗保 | 赵宗保 | JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY | 2007 | 82 | 775-780 | 125 | 102 | 91 | 11 | 　 |
| 10 | A novel method of surface modification on thin-film composite reverse osmosis membrane by grafting poly(ethylene glycol) | 康国栋，刘明，林斌，曹义鸣，袁权 | 曹义鸣 | Polymer | 2007 | 48 | 1165-1170 | 115 | 109 | 79 | 30 | 　 |
| 11 | Study on hypochlorite degradation of aromatic polyamide reverse osmosis membrane | 康国栋，高从堦，陈卫东，介兴明，曹义鸣，袁权 | 曹义鸣 | Journal of Membrane Science | 2007 | 300 | 165-171 | 125 | 118 | 90 | 28 | 　 |
| 12 | Development of antifouling reverse osmosis membranes for water treatment: A review | 康国栋，曹义鸣 | 曹义鸣 | Water Research | 2012 | 46 | 584 - 600 | 156 | 154 | 92 | 62 | 　 |
| 13 | Application and modification of poly(vinylidene fluoride) (PVDF) membranes – A review | 康国栋，曹义鸣 | 曹义鸣 | Journal of Membrane Science | 2014 | 463 | 145 - 165 | 134 | 134 | 55 | 79 | 　 |
| 14 | Lignin depolymerization (LDP) in alcohol over nickel-based catalysts via a fragmentation-hydrogenolysis process | 宋奇，王峰，蔡嘉莹，王业红，张俊杰，于维强，徐杰 | 徐杰 | ENERGY & ENVIRONMENTAL SCIENCE | 2013 | 6 | 994-1007 | 153 | 144 | 98 | 46 | 　 |
| 15 | Enhanced Cooperative Activation Effect in the Hydrolytic Kinetic Resolution of Epoxides on [Co(salen)] Catalysts Confined in Nanocages | 杨恒权, 张磊, 钟琳, 杨启华, 李灿 | 杨启华 | Angewandte Chemie-International Edition | 2007 | 46 | 6861 –6865 | 127 | 106 | 41 | 65 | 　 |
| 16 | A Yolk-Shell Nanoreactor with a Basic Core and an Acidic Shell for Cascade Reactions | 杨雁，刘晓，李小波，赵娇，白诗扬，刘健，杨启华 | 杨启华 | Angewandte Chemie-International Edition | 2012 | 51 | 9164-9168 | 111 | 102 | 32 | 70 | 　 |
| 17 | Imidazolium functionalized polysulfone anion exchange membrane for fuel cell application | 张凤祥，张华民，曲超 | 李先锋 | JOURNAL OF MATERIALS CHEMISTRY | 2011 | 21 | 12744-12752 | 122 | 113 | 45 | 68 | 　 |
| 18 | Hydrogen generation utilizing alkaline sodium borohydride solution and supported cobalt catalyst | 叶威；张华民；徐东彦；马丽；衣宝廉 | 李先锋 | JOURNAL OF POWER SOURCES | 2007 | 164 | 544-548 | 145 | 141 | 99 | 42 | 　 |
| 19 | Transition Metal–Tungsten Bimetallic Catalysts for the Conversion ofCellulose into Ethylene Glycol | 郑明远，王爱琴，纪娜，庞纪峰，王晓东，张涛 | 张涛 | ChemSusChem | 2009 | 3 | 63-66 | 133 | 103 | 57 | 46 | 　 |
| 20 | Synergetic Effect of Surface and Subsurface Ni Species at Pt-Ni Bimetallic Catalysts for CO Oxidation | 慕仁涛，傅强，徐红，张辉，黄宇营，姜政，张硕，谭大力，包信和 | 包信和 | JOURNAL OF THE AMERICAN CHEMICAL SOCIETY | 2011 | 133 | 1978-1986 | 123 | 113 | 38 | 75 | 　 |
| 21 | Direct, Nonoxidative Conversion of Methane to Ethylene, Aromatics, and Hydrogen | 郭晓光，方光宗，李刚，马昊，樊红军，余良，马超，吴辛，邓德会，魏明明，谭大力，司锐，张硕，李建奇，孙立涛，唐紫超，潘秀莲，包信和 | 包信和 | SCIENCE | 2014 | 344 | 616-619 | 142 | 140 | 67 | 73 | 　 |
| 22 | Highly active and durable non-precious-metal catalysts encapsulated in carbon nanotubes for hydrogen evolution reaction | 邓浇，任鹏举，邓德会，余良，杨帆，包信和 | 包信和 | ENERGY & ENVIRONMENTAL SCIENCE | 2014 | 7 | 1919-1923 | 113 | 105 | 37 | 68 | 　 |
| 23 | Reversible Near-Infrared Fluorescent Probe Introducing Tellurium to Mimetic GlutathionePeroxidase for Monitoring the Redox Cycles between Peroxynitrite and Glutathione in Vivo | 于法标，李鹏, 王炳帅，韩克利 | 韩克利 | Journal of The American Chemical Society | 2013 | 135 | 7674-7680 | 116 | 105 | 30 | 75 | 　 |
| 24 | [A near-IR reversible fluorescent probe modulated by selenium for monitoring peroxynitrite and imaging in living cells](http://xueshu.baidu.com/s?wd=paperuri%3A%2813da709748b3c0ac01e267f9c88a4c09%29&filter=sc_long_sign&tn=SE_xueshusource_2kduw22v&sc_vurl=http%3A%2F%2Fmed.wanfangdata.com.cn%2FPaper%2FDetail%2FPeriodicalPaper_PM21702509&ie=utf-8) | 于法标，李鹏， 李光跃，赵广久，楚天舒，韩克利 | 韩克利 | Journal of The American Chemical Society | 2011 | 133 | 11030-11033 | 185 | 156 | 39 | 117 | 　 |
| 25 | Photocatalytic Water Oxidation on BiVO4 with the Electrocatalyst as an Oxidation Cocatalyst: Essential Relations between Electrocatalyst and Photocatalyst | 王冬娥，李仁贵，朱剑，施晶莹，韩晶峰，宗旭，李灿 | 李灿 | JOURNAL OF PHYSICAL CHEMISTRY C | 2012 | 145 | 5082-5089 | 145 | 134 | 64 | 70 | 　 |
| 26 | Oxidative desulfurization of dibenzothiophene with molecular oxygen using emulsion catalysis | 吕宏缨，高金波，蒋宗轩，杨永兴，宋波，李灿 | 李灿 | CHEMICAL COMMUNICATIONS  | 2007 | 2 | 150-152 | 134 | 124 | 28 | 96 | 　 |
| 27 | Photocatalytic H-2 Evolution on CdS Loaded with WS2 as Cocatalyst under Visible Light Irradiation | 宗旭，韩晶峰，马贵军，鄢洪建，吴国鹏，李灿 | 李灿 | Journal of Physical Chemistry C | 2011 | 115 | 12202-12208 | 123 | 119 | 33 | 86 | 　 |
| 28 | Crystal Facet Dependence of Water Oxidation on BiVO4 Sheets under Visible Light Irradiation | 王冬娥，江宏富，宗旭，徐倩，马艺，李国岭，李灿 | 李灿 | CHEMISTRY-A EUROPEAN JOURNAL | 2010 | 17 | 1275-1282 | 120 | 111 | 39 | 72 | 　 |
| 29 | Preparation and evaluation of molecularly imprinted polymer derivatized silica monolithic column for capillary electrochromatography and capillary liquid chromatography | 欧俊杰、厉欣、封顺、董靖、董晓莉、孔亮、叶明亮、邹汉法 | 叶明亮 | Analytical Chemistry | 2007 | 79 | 639-646 | 108 | 101 | 26 | 75 | 　 |
| 30 | Specific phosphopeptide enrichment with immobilized titanium ion affinity chromatography adsorbent for phosphoproteome analysis | 周厚江，叶明亮，董靖，韩广辉，江新宁，吴仁安，邹汉法 | 叶明亮 | JOURNAL OF PROTEOME RESEARCH | 2008 | 7 | 3957-3967 | 148 | 112 | 51 | 61 | 　 |
| 31 | Selective extraction of peptides from human plasma by highly ordered mesoporous silica particles for peptidome analysis | 田瑞军，张贺，叶明亮，蒋小岗，胡良海，厉欣，包信和，邹汉法 | 叶明亮 | Angewandte Chemie-International Edition | 2007 | 46 | 962-965 | 125 | 104 | 23 | 81 | 　 |
| 32 | Recent progress in hydrogen storage | 陈萍，朱敏 | 陈萍 | Materials Today | 2008 | 11 | 36-43 | 195 | 162 | 88 | 74 | 　 |

2016年近期热点论文奖

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| 1 | BODIPY-Based Fluorometric Sensor for the Simultaneous Determination of Cys, Hcy, and GSH in Human Serum | 贾明艳，牛丽亚，张雨，杨清正，Tung Chen-Ho，关亚风，冯亮 | 冯亮 | ACS APPLIED MATERIALS & INTERFACES | 2015 | 7 | 5907-5914 | 30 | 29 | 4 | 25 | 　 |
| 2 | High efficiency flexible perovskite solar cells using superior low temperature TiO2 | 杨栋，杨瑞霞，张静，杨周，刘生忠，李灿 | 李灿 | Energy & Environmental Science | 2015 | 8 | 3208-3214 | 39 | 32 | 17 | 15 |  |
| 2 | Interface Engineering of a CoOx/Ta3N5Photocatalyst for Unprecedented Water Oxidation Performance under Visible-Light-Irradiation | 陈闪山，沈帅，刘桂继，祁育， 章福祥，李灿 | 李灿 | Angew. Chem. Int. Ed. | 2015 | 54 | 3047-3051 | 37 | 34 | 10 | 24 |  |
| 4 | Synthesis of oriented TiO2 nanocones with fast charge transfer for perovskite solar cells | 仲东，蔡冰，王秀丽，杨周，邢叶迪，苗澍，张文华，李灿 | 李灿 | NANO ENERGY | 2015 | 11 | 409-418 | 52 | 45 | 19 | 26 |  |
| 5 | Well-defined BiOCl colloidal ultrathin nanosheets: synthesis, characterization, and application in photocatalytic aerobic oxidation of secondary amines | 吴义辉，袁博，李明润，张文华，刘䶮，李灿 | 李灿 | CHEMICAL SCIENCE | 2015 | 6 | 1873-1878 | 30 | 30 | 27 | 2 |  |
| 6 | [Efficiency exceeding 10% for inverted polymer solar cells with a ZnO/ionic liquid combined cathode interfacial layer](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=5&SID=T1AWZYKkpsD5vNqK1Lv&page=1&doc=5) | 于为，黄林泉，杨栋，傅平，周玲玉，张坚，李灿 | 李灿 | Journal of Materials Chemistry A | 2015 | 3 | 10660-10665 | 34 | 33 | 13 | 20 |  |