附件2：

2014年科研成果原始数据核查抽样结果（文章）

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| **序号** | **题目组** | **论文题目** | **作者** | **刊名或著作名** |
|  | 105 | Fast Equilibrium Micro-Extraction from Biological Fluids with Biocompatible Core&#8722;Sheath Electrospun Nanofibers | 吴倩，吴大朋，关亚风 | Analytical Chemistry |
|  | 202 | Synthesis of Polyfluoroalkyl Substituted Cyclobutenes from 3-Aza-1,5-enynes via an Aza-ClaisenRearrangement/Cyclization Cascade | 信晓义，王东平，吴凡，王春翔，王浩龙，李新成，万伯顺 | Organic Letters |
|  | 207 | A green and efficient amine-functionalized ionic liquid/ H2O catalytic system for the synthesis of a,a9-bis(substituted benzylidene)cyclopentanones | 王畅, 刘秀梅, 杨淼, 马慧媛, 颜佩芳, John M. Slattery and 高艳安 | RSC Advances |
|  | 02T2 | Enantioselective Copper-Catalyzed Decarboxylative Propargylic Alkylation of Propargyl beta-Ketoesters with a Chiral Ketimine P,N,N-Ligand | Fu-Lin Zhu, Yuan Zou, De-Yang Zhang, Ya-Hui Wang, Xin-Hu Hu, Song Chen, Jie Xu,\* and Xiang-Ping Hu\* | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION |
|  | 503 | Spatial separation of photogenerated electrons and holes among {010} and {110} crystal facets of BiVO4 | 李仁贵，章福祥，王冬娥，杨竞秀，李明润，朱剑，周新，韩洪宪，李灿 | Nature Communications |
|  | 501 | Morphology-controlled synthesis of a-MoO3 nanomaterials for ethanol oxidation | 李忠成，李勇，展恩胜，塔娜，申文杰 | Journal of Materials Chemistry A |
|  | 507 | Crystallographic Dependence of CO Activation on Cobalt Catalysts: HCP versus FCC | 刘进勋，苏海燕，孙大鹏，张冰燕，李微雪 | Journal of the American Chemical Society |
|  | 11T2 | Structure of Au40/—1 in the gas phase: A joint geometry relaxed ab initio | 刘志凌，秦正波，谢华，丛然，吴侠 | Journal of Chemical Physics |
|  | 1107 | Effect of Ion Pairing on the Solution Dynamics Investigated by the Simulations of the Optical Kerr Effect and the Dielectric Relaxation Spectra | 张睿挺，庄巍 | Journal of Physical Chemistry B |
|  | 1810 | Mass Defect-Based Pseudo-Isobaric Dimethyl Labeling for Proteome Quantification | 周愿，单亦初，吴琪，张珅，张丽华，张玉奎 | Analytical Chemistry |
|  | 1812 | Salinity manipulation as an effective method for enhanced starch production in the marine microalga Tetraselmis subcordiformis | 姚长洪，艾江宁，曹旭鹏，薛松 | Bioresource Technology |
|  | 1816 | Efficient conversion of biomass into lipids by using the simultaneous saccharification and enhanced lipid production process | 龚志伟，沈宏伟，王倩，杨晓兵，谢海波，赵宗保 | Biotechnology for Biofuels |
|  | 1806 | A highly selective probe for human cytochrome P450 3A4: isoform selectivity kinetic characterization and its applications | 葛广波，宁静，Liang-Hai Hu,戴子菇，侯杰，曹云峰，喻振文，艾纯芝，Jing-Kai Gu，马骁驰，杨凌 | Chemical Communications |
|  | 1803 | Application of a strong anion exchange material in electrostaticrepulsion–hydrophilic interaction chromatography for selectiveenrichment of glycopeptides | 曹丽伟，于龙，郭志谋，李秀玲，薛兴亚，梁鑫淼 | Journal of Chromatography A |
|  | 1804 | Strategies for structure elucidation of small molecules using gas chromatography-mass spectrometric data | 张良晓，唐春兰，Dongsheng Cao，Yingxu Zeng，Binbin Tan，Maomao Zeng，Wei Fan，肖红斌，Yizeng Liang | Trends in Analytical Chemistry |
|  | DNL0305 | Vertically oriented polypyrrole nanowire arrays on Pd-plated Nafion-membrane and its application in direct methanol fuel cells | 夏章讯，王素力，李咏江，姜鲁华，孙海，朱珊，苏党生，孙公权 | Journal of Materials Chemistry A |
|  | DNL03T1 | Activated carbon/graphene composites with high-rate performance as electrode materials for electrochemical capacitors | 姜磊，阎景旺，周颖，郝立星，薛荣，姜靓，衣宝廉 | Journal of Solid State Electrochemistry |
|  | DNL0805 | Formation of 3-pentanone via ethylene hydroformylation over Co/activated carbon catalyst | 宋宪根，丁云杰，陈维苗，董文达，斐彦鹏，臧娟，严丽，吕元 | Applied Catalysis A |
|  | DNL1901 | Production of high quality single- or few-layered graphene by solid exfoliation of graphite in presence of ammonia borane | 柳林，熊智涛，胡大强，吴国涛，陈萍 | Chemical Communications |
|  | DNL2003 | Interpreting raw biological mass spectra using isotopic mass-to-charge ratio and envelope fingerprinting | 李俐，田志新 | Rapid Communications in Mass Spectrometry |

2014年科研成果原始数据核查抽样结果（成果）

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| **序号** | **项目名称** | **任务来源** | **评价方式** | **研究组** |
| 1 | 2012AA8062021 | 863 | 验收 | 701 |
| 2 | 抗CO2塑化功能高分子膜材料设计及分离过程研究 | 973计划 | 验收 | DNL0905 |

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