附件2：

2013年科研成果原始数据核查抽样结果

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 研究组 | 作者 | 题目 | 刊物 |
| 1 | 102 | Liang, Xixi; Zhou, Qinghua; Wang, Weiguo; Wang, Xin; Chen, Wendong; Chen, Chuang; Li, Yang; Hou, Keyong; Li, Jinghua; Li, Haiyang | Sensitive Detection of Black Powder by a Stand-Alone Ion Mobility Spectrometer with an Embedded Titration Region | ANALYTICAL CHEMISTRY |
| 2 | 201 | Chen, Mu-Wang; Cao, Liang-Liang; Ye, Zhi-Shi; Jiang, Guo-Fang; Zhou, Yong-Gui | A mild method for generation of o-quinone methides under basic conditions. The facile synthesis of trans-2,3-dihydrobenzofurans | CHEMICAL COMMUNICATIONS |
| 3 | 502 | Deng, Dehui; Yu, Liang; Chen, Xiaoqi; Wang, Guoxiong; Jin, Li; Pan, Xiulian; Deng, Jiao; Sun, Gongquan; Bao, Xinhe | Iron Encapsulated within Pod-like Carbon Nanotubes for Oxygen Reduction Reaction | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION |
| 4 | 504 | Liu, Yan; Zhu, Xuefeng; Li, Mingrun; Liu, Huanyin; Cong, You; Yang, Weishen | Stabilization of Low-Temperature Degradation in Mixed Ionic and Electronic Conducting Perovskite Oxygen Permeation Membranes | ANGEWANDTE CHEMIE-INTERNATIONAL EDITION |
| 5 | 506 | Liu, Jia; Peng, Juan; Shen, Shuai; Jin, Qianru; Li, Can; Yang, Qihua | Enzyme Entrapped in Polymer-Modified Nanopores: The Effects of Macromolecular Crowding and Surface Hydrophobicity | CHEMISTRY-A EUROPEAN JOURNAL |
| 6 | 701 | Zhang, SQ ; Xu, MX; Chen, X ; Zhang, YL ; Calvez, L ; Zhang, XH ; Xu, YS ; Huai, Y; Jin, YQ  | Enhanced Thermostability, Thermo-Optics, and Thermomechanical Properties of Barium Gallo-Germanium Oxyfluoride Glasses and Glass-Ceramics  | JOURNAL OF THE AMERICAN CERAMIC SOCIETY |
| 7 | 705 | Duo, Liping; Li, Guofu; Yu, Haijun; Wang, Jian; Jin, Yuqi; Sang, Fengting | Efficient pulsed chemical oxygen-iodine laser with instantaneous generation of atomic iodine by volumetric discharge | CHINESE OPTICS LETTERS |
| 8 | 7T2 | 现场核查原始数据管理情况 |
| 9 | 1101 | Yu, Fabiao; Li, Peng; Wang, Bingshuai; Han, Keli | Reversible Near-Infrared Fluorescent Probe Introducing Tellurium to Mimetic Glutathione Peroxidase for Monitoring the Redox Cycles between Peroxynitrite and Glutathione in Vivo | JOURNAL OF THE AMERICAN CHEMICAL SOCIETY |
| 10 | 1102 | Ma, Zhibo; Guo, Qing; Mao, Xinchun; Ren, Zefeng; Wang, Xu; Xu, Chenbiao; Yang, Wenshao; Dai, Dongxu; Zhou, Chuanyao; Fan, Hongjun; Yang, Xueming | Photocatalytic Dissociation of Ethanol on TiO2(110) by Near-Band-Gap Excitation | JOURNAL OF PHYSICAL CHEMISTRY C |
| 11 | 1501 | He, Lei; Huang, Yanqiang; Wang, Aiqin; Liu, Yu; Liu, Xiaoyan; Chen, Xiaowei; Jose Delgado, Juan; Wang, Xiaodong; Zhang, Tao | Surface modification of Ni/Al2O3 with Pt: Highly efficient catalysts for H-2 generation via selective decomposition of hydrous hydrazine | JOURNAL OF CATALYSIS |
| 12 | 1802 | Zheng, Jiani; Xie, Hongguo; Yu, Weiting; Tan, Mingqian; Gong, Faquan; Liu, Xiudong; Wang, Feng; Lv, Guojun; Liu, Wanfa; Zheng, Guoshuang; Yang, Yan; Xie, Weiyang; Ma, Xiaojun | Enhancement of Surface Graft Density of MPEG on Alginate/Chitosan Hydrogel Microcapsules for Protein Repellency | LANGMUIR |
| 13 | 1803 | Cao, Liwei; Yu, Long; Guo, Zhimou; Li, Xiuling; Xue, Xinya; Liang, Xinmiao | Application of a strong anion exchange material in electrostatic repulsion-hydrophilic interaction chromatography for selective enrichment of glycopeptides | JOURNAL OF CHROMATOGRAPHY A |
| 14 | 1804 | Yang, QianXu; Wang, Li; Zhang, LiangXiao; Xiao, HongBin | Baohuoside I production through enzyme hydrolysis and parameter optimization by using response surface and subset selection | JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC |
| 15 | 1805 | Gao, Jie; Liu, Xianming; Chen, Tianlan; Mak, Pui-In; Du, Yuguang; Vai, Mang-I; Lin, Bingcheng; Martins, Rui P. | An intelligent digital microfluidic system with fuzzy-enhanced feedback for multi-droplet manipulation | LAB ON A CHIP |
| 16 | 1807 | Meng, Zhaoxu; Zhang, Xu; Qin, Jianhua | A high efficiency microfluidic-based photocatalytic microreactor using electrospun nanofibrous TiO2 as a photocatalyst | NANOSCALE |
| 17 | 1808 | Chen, Shili; Hoene, Miriam; Li, Jia; Li, Yanjie; Zhao, Xinjie; Haering, Hans-Ulrich; Schleicher, Erwin D.; Weigert, Cora; Xu, Guowang; Lehmann, Rainer | Simultaneous extraction of metabolome and lipidome with methyl tert-butyl ether from a single small tissue sample for ultra-high performance liquid chromatography/mass spectrometry | JOURNAL OF CHROMATOGRAPHY A |
| 18 | 1809 | Zhu, Jun; Wang, Fangjun; Cheng, Kai; Dong, Jing; Sun, Deguang; Chen, Rui; Wang, Liming; Ye, Mingliang; Zou, Hanfa | A simple integrated system for rapid analysis of sialic-acid-containing N-glycopeptides from human serum | PROTEOMICS |
| 19 | 18T1 | Lv, Wenping; Wu, Ren'an | The interfacial-organized monolayer water film (MWF) induced "two-step" aggregation of nanographene: both in stacking and sliding assembly pathways | NANOSCALE |
| 20 | DNL0301 | Zhang, Geng; Shao, Zhi-Gang; Lu, Wangting; Xiao, Hui; Xie, Feng; Qin, Xiaoping; Li, Jin; Liu, Fuqiang; Yi, Baolian | Aqueous-Phase Synthesis of Sub 10 nm Pd-core@Pt-shell Nanocatalysts for Oxygen Reduction Reaction Using Amphiphilic Triblock Copolymers as the Reductant and Capping Agent | JOURNAL OF PHYSICAL CHEMISTRY C |
| 21 | DNL0302 | Liu, Li; Zhao, Zhe; Zhang, Xiaomin; Cui, Daan; Tu, Baofeng; Ou, Dingrong; Cheng, Mojie | A ternary cathode composed of LSM, YSZ and Ce0.9Mn0.1O2-delta for the intermediate temperature solid oxide fuel cells | CHEMICAL COMMUNICATIONS |
| 22 | DNL03T3 | Weifeng Si, Jia Li, Huanqiao Li, Shushuang Li, Jie Yin, Huan Xu, Xinwen Guo,Tao Zhang, and Yujiang Song | Light-controlled synthesis of uniform platinum nanodendrites with markedly enhanced electrocatalytic activity | Nano Research |
| 23 | DNL0804 | Zhang, Dazhou; Li, Xiujie; Liu, Shenglin; Huang, Shengjun; Zhu, Xiangxue; Chen, Fucun; Xie, Sujuan; Xu, Longya | Metathesis of C-4 olefin over Mo-based heterogeneous catalysts: A novel route to propene and isopentene | APPLIED CATALYSIS A-GENERAL |
| 24 | DNL0807 | 现场核查原始数据管理情况 |
| 25 | DNL0903 | Zhao, Yuchao; Chen, Guangwen; Ye, Chunbo; Yuan, Quan | Gas-liquid two-phase flow in microchannel at elevated pressure | CHEMICAL ENGINEERING SCIENCE |
| 26 | DNL0906 | Shichao Feng, Jizhong Ren, Kaisheng Hua, Hui Li, Xiaoling Ren, Maicun Deng | Poly(amide-12-b-ethylene oxide)/polyethylene glycol blend membranesfor carbon dioxide separation | Separation and Purification Technology |
| 27 | DNL12 | Li Bing; Tian Peng; Li Jinzhe; Chen Jingrun; Yuan Yangyang; Su Xiong; Fan Dong; Wei Yingxu; Qi Yue; Liu Zhongmin | Synthesis of SAPO-35 molecular sieve and its catalytic properties in the methanol-to-olefins reaction | CHINESE JOURNAL OF CATALYSIS |
| 28 | DNL16 | Guo, Qiang; Sun, Keju; Feng, Zhaochi; Li, Guanna; Guo, Meiling; Fan, Fengtao; Li, Can | A Thorough Investigation of the Active Titanium Species in TS-1 Zeolite by In Situ UV Resonance Raman Spectroscopy | CHEMISTRY-A EUROPEAN JOURNAL |
| 29 | DNL16 | Li, Rengui; Chen, Zheng; Zhao, Wen; Zhang, Fuxiang; Maeda, Kazuhiko; Huang, Baokun; Shen, Shuai; Domen, Kazunari; Li, Can | Sulfurization-Assisted Cobalt Deposition on Sm2Ti2S2O5 Photocatalyst for Water Oxidation under Visible Light Irradiation | JOURNAL OF PHYSICAL CHEMISTRY C |
| 30 | DNL16T1 | 现场核查原始数据管理情况 |
| 31 | DNL17 | Yao, Chuan; Zhang, Huamin; Liu, Tao; Li, Xianfeng; Liu, Zonghao | Cell architecture upswing based on catalyst coated membrane (CCM) for vanadium flow battery | JOURNAL OF POWER SOURCES |
| 32 | DNL1903 | Jiao, Chengli; Li, Fen; Zhang, Jian; Li, Zhangpeng; Wang, Shuang; Wang, Zhonggang; Yu, Hao; Li, Zhibao; Liu, Shuang; Wang, Ziqiang; Jiang, Xia; Sun, Lixian; Xu, Fen | Syntheses, structures and chemical sensing properties of three complexes with mixed ligands of carboxylate and bipyridine | DALTON TRANSACTIONS |

注：部分研究组在抽样范围内没有文章或成果，改为专家到现场核查原始数据管理情况。DNL16作为组群，文章较多，参与抽样的学风道德委员会委员建议抽查2项。