

2015 年度发表论文目录

序号	论文题目	作者	期刊及年卷页
1	A genetically encoded FRET sensor for intracellular Heme	Yanqun Song, Maiyun Yang, Seraphine V. Wegner, Jingyi Zhao, Rongfeng Zhu, Yun Wu, Chuan He, Peng Chen*	<i>ACS Chem. Biol.</i> 2015 , 10, 1610-1615
2	Illuminating biological processes through site-specific protein labeling	Gong Zhang, Siqi Zheng, Haiping Liu and Peng Chen*	<i>Chem. Soc. Rev.</i> 2015 , 44, 3405-17.
3	Protein-Specific Imaging of O-GlcNAcylation in Single Cells	Wei Lin, Ling Gao, and Xing Chen*	<i>Chem. Bio. Chem.</i> 2015 , 16, 2571-2575.
4	Protein-Specific Imaging of Posttranslational Modifications	Wei Lin, Ling Gao and Xing Chen*	<i>Opin. Chem. Biol.</i> 2015 , 28, 156-163.
5	Dynamic Sialylation in Transforming Growth Factor- β -Induced Epithelial to Mesenchymal Transition	Jun Du, Senlian Hong, Lu Dong, Bo Cheng, Liang Lin, Bing Zhao, Ye-Guang Chen, and Xing Chen*	<i>J. Biol. Chem.</i> 2015 , 290, 12000-12013.
6	Carbon Nanotube-Assisted Optical Activation of TGF- β Signaling by Near-Infrared Light	Liang Lin, Ling Liu, Bing Zhao, Ran Xie, Wei Lin, He Li, Yaya Li, Minlong Shi, Ye-Guang Chen, Timothy A. Springer and Xing Chen*	<i>Nature Nanotech.</i> 2015 , 10, 465-471.
7	Live-Cell Bioorthogonal Raman Imaging	Senlian Hong, Liang Lin, Min Xiao and Xing Chen*	<i>Chem. Biol.</i> 2015 , 24, 91-96.
8	Release of the Water Molecule Encapsulated Inside an Open-Cage Fullerene through Hydrogen Bonding Mediated by Hydrogen Fluoride	Liang Xu, Hongjiang Ren, Sisi Liang, Jiahao Sun, Yajun Liu, Liangbing Gan	<i>Chem. Eur. J.</i> 2015 , 21, 13539-13543.
9	Open-cage fullerene with a stopper acts as a molecular vial for a single water molecule	Liang Xu, Sisi Liang, Jiahao Sun, Liangbing Gan	<i>Org. Chem. Front.</i> 2015 , 2, 1500-1504.
10	Synthesis and Chemical Reactivity of Tetrahydro[60]fullerene Epoxides with Both Amino and Aryl Addends	Sisi Liang, Liang Xu, Liangbing Gan	<i>J. Org. Chem.</i> 2015 , 80, 3957-3964.
11	<i>N</i> -fluorobenzenesulfonimide based functionalization of C60	Yanbang Li, Ning Lou, Liangbing Gan	<i>Org. Lett.</i> 2015 , 17, 524-527.
12	Peroxide mediated selective cleavage of [60]fullerene skeleton bonds: towards the	Liangbing Gan	<i>Chem. Rec.</i> 2015 , 15, 189-198.

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13	Meclofenamic acid selectively inhibits FTO demethylation of m6A over ALKBH5	Yue Huang, , Jingli Yan,, Qi Li, Jiafei Li, Shouzhe Gong, Hu Zhou, Jianhua Gan, Hualiang Jiang, Gui-Fang Jia*, Cheng Luo, and Cai-Guang Yang*	<i>Nucleic Acids Res.</i> , 2015 , 43, 373-84.
14	Chiral Boron Complex-Promoted Asymmetric Diels-Alder Cycloaddition and Its Application in Natural Product Synthesis	Xia Li, Jianguang Han, Alexander X. Jones, Xiaoguang Lei*	<i>J. Org. Chem.</i> 2015 , 81, 458-468.
15	Using Small Molecules to Dissect Non-apoptotic Programmed Cell Death	Ting Dong, Daohong Liao, Xiaohui Liu and Xiaoguang Lei*	<i>ChemBioChem</i> 2015 , 16, 2557-2561.
16	Second-Generation TQ-Ligation for Cell Organelle Imaging	Xiaoyun Zhang, Ting Dong, Qiang Li, Xiaohui Liu, Lin Li, She Chen, and Xiaoguang Lei*	<i>ACS Chem. Biol.</i> 2015 , 10, 1676-1683.
17	Site-selective and Metal-free Aliphatic C-H Oxidation Enabled Synthesis of [5,24,25-D ₃]-{(2S)-Δ ⁷ -Dafachronic acid}	Weilong Liu, Xiangke Li, Jie Chen, Tiemei Li, Mengqiu Dong, and Xiaoguang Lei*	<i>Chem. Eur. J.</i> 2015 , 21, 5345-5379.
18	Total Syntheses of (-)-Huperzine Q and (+)-Lycopladines B and C	Benke Hong, Houhua Li, Jinbao Wu, Jing Zhang, and Xiaoguang Lei*	<i>Angew. Chem. Int. Ed.</i> 2015 , 54, 1011-1015.
19	Automatic Enumeration of Gold Nanomaterials at Single Particle Level	Xiao Xu, tian Li, Zhongxing Xu, Hejia Wei, Ruoyun Lin, Bin Xia, Feng Liu, Na Li*	<i>Anal. Chem.</i> 2015 , 87, 2576-2581.
20	Modulating Fluorescence Anisotropy of Terminally Labeled dsDNA via the Interaction between Dye and Nucleotides for Rational Design of DNA-Recognition Based Applications	Hongduan Huang, Hejia Wei, Mingjian Zou, Xiao Xu, Bin Xia,* Feng Liu, Na Li*	<i>Anal. Chem.</i> 2015 , 87, 2748-2754.
21	A Simple Approach to Study the Conformational Switching of i-motif DNA by Fluorescence Anisotropy	Hongduan Huang, Xinying Hong, Feng Liu, Na Li*	<i>Analyst</i> , 2015 , 140, 5987-5991.
22	Integrating Dye-Intercalated DNA Dendrimers with Electrospun Nanofibers: a New Fluorescent Sensing Platform for Nucleic Acids, Proteins, and Cells	Huaming Wang, Wei Tang, Hejia Wei, Yan Zhao, Shichao Hu, Yan Guan, Wei Pan, Bin Xia, Na Li and Feng Liu*	<i>J. Mater. Chem. B</i> 2015 , 3, 3541-3547.
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	Nucleic Acid Sensing		
24	High-throughput intracellular pteridinic profiling by liquid chromatography-quadrupole time-of-flight mass spectrometry	Casey Burton; Rui Weng; Li Yang; Yu Bai*; Huwei Liu; Yinfia Ma*	<i>Anal. Chim. Acta</i> , 2015 , 853, 442-450.
25	Rapid analysis of four Sudan dyes using direct analysis in real time-mass spectrometry	Ze Li, Yi-Wei Zhang, Yi-Ding Zhang, Yu Bai, Hu-Wei Liu*	<i>Anal Methods</i> , 2015 , 7, 86-90.
26	Just dip it: online coupling of “Dip-it”polymer monolith microextraction with plasma assisted laser desorption ionization mass spectrometry	Xin Wang, Xianjiang Li, Yu Bai* and Huwei Liu*	<i>Chem Comm</i> , 2015 , 51, 4615-4618.
27	Binding constant determination of uranyl-citrate complex by ACE using a multi-injection method	Yiding Zhang, Linnan Li, Hexiang Huang, Linnan Xu, Ze Li, Yu Bai and Huwei Liu*	<i>Electrophoresis</i> , 2015 , 36, 1033-1039.
28	Direct Analysis in Real Time Mass Spectrometry: a Powerful Tool for Fast Analysis	Xianjiang Li, Xin Wang, Linnan Li, Yu Bai and Huwei Liu*	<i>Mass Spectrom. Lett.</i> 2015 , 6, 1-6.
29	Comprehensive lipid profiling of plasma in patients with benign breast tumor and breast cancer reveals novel biomarkers	Li Yang, Xinge Cui, Ningning Zhang, Min Li, Yu Bai, Xiaohong Han, Yuankai Shi*, Huwei Liu*	<i>Anal. Bioanal. Chem.</i> 2015 , 407, 5065-5077.
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31	Metabolomics Approach Reveals Integrated Metabolic Network Associated with Serotonin Deficiency	Rui Weng, Sensen Shen, Yonglu Tian, Casey Burton, Xinyuan Xu, Yi Liu, Cuilan Chang, Yu Bai*, and Huwei Liu,	<i>Scientific Reports</i> , 2015 , 5, 11864.
32	Interface for On-line Coupling of Surface Plasmon Resonance to Direct Analysis in Real Time Mass Spectrometry,	Yiding Zhang, Xianjiang Li, Honggang Nie, Li Yang, Ze Li, Yu Bai*, Li Niu, Daqian Song, Huwei Liu*	<i>Anal. Chem.</i> 2015 , 87, 6505-6509.
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35	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution	Jin-Hu Dou, Yu-Qing Zheng, Ze-Fan Yao, Zhi-Ao Yu, Ting Lei, Xingxing Shen, Xu-Yi Luo, Junliang Sun, Shi-Ding Zhang, Yi-Fan Ding, Guangchao Han, Yuanping Yi*, Jie-Yu Wang*, and Jian Pei*	<i>J. Am. Chem. Soc.</i> 2015 , <i>137</i> , 15947-15956.
36	A Cofacially Stacked Electron-Deficient Small Molecule Communication with High Electron Mobility over $10 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ in Air	Jin-Hu Dou, Yu-Qing Zheng, Ze-Fan Yao, Ting Lei, Xingxing Shen, Xu-Yi Luo, Zhi-Ao Yu, Shi-Ding Zhang, Guangchao Han, Zhi Wang, Yuanping Yi*, Jie-Yu Wang, and Jian Pei*	<i>Adv. Mater.</i> 2015 , <i>27</i> , 8051-8055.
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39	Synthesis, Structure and Properties of C3-Symmetric Heterosuperbenzene with Three BN Units	Xiao-Ye Wang, Fang-Dong Zhuang, Xin-Chang Wang, Xiao-Yu Cao*, Jie-Yu Wang*, and Jian Pei*	<i>Chem. Commun.</i> 2015 , <i>51</i> , 4368-4371.
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44	π -Conjugated Aromatics Based on Truxene: Synthesis, Self-Assembly, and Applications	Ke Shi, Jie-Yu Wang*, and Jian Pei*	<i>Chem. Rec.</i> 2015 , 15, 52-72.
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46	Seebeck Effects in N Type and P Type Polymers Driven Simultaneously by Surface Polarization and Entropy Differences Based on Conductor/Polymer/Conductor Thin-Film Devices	Dehua Hu, Qing Liu, Jeremy Tisdale, Ting Lei, Jian Pei, Hsin Wang, Augustine Urbas, and Bin Hu*	<i>ACS Nano</i> , 2015 , 9, 5208-5213.
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52	Readily Removable Directing Group Assisted Chemo- and Regioselective C(sp ³)-H Activation by Palladium Catalysis.	Yun-Fei Zhang, Hong-Wei Zhao, Hui Wang, Jiang-Bo Wei, Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> 2015 , 54, 13686-13690.
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67	Transition-Metal-Free Intramolecular Carbene Aromatic Substitution/Buchner Reaction: Synthesis of Fluorenes and [6,5,7]Benzo-fused Rings	Zhenxing Liu, Haocheng Tan, Long Wang, Tianren Fu, Ying Xia, Yan Zhang, Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> 2015 , <i>54</i> , 3056-3060.
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76	Rh(I)-Catalyzed Sequential C(sp)-C(sp ³) and C(sp ³)-C(sp ³) Bond Formation via Carbene Migratory Insertion	Ying Xia, Sheng Feng, Zhen Liu, Yan Zhang and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> 2015 , 54, 7891-7894.
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85	Construction of All-Carbon Quaternary Centers through Cu-Catalyzed Sequential Carbene Migratory Insertion and Nucleophilic Substitution/Michael Addition	Chengpeng Wang, Fei Ye, Chenggui Wu, Yan Zhang, Jianbo Wang*	<i>J. Org. Chem.</i> 2015 , 80, 8748-8757.
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