

2014 年度发表论文目录

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1	Diels-Alder Reaction-Triggered Bioorthogonal Protein decaging in Living Cells	Jie Li, Shang Jia and Peng Chen*	<i>Nat. Chem. Biol.</i> 2014 , <i>10</i> , 1003-1005
2	Palladium-triggered Deprotection Chemistry for Protein Activation in Living Cells	Jie Li, Juntao Yu, Jingyi Zhao, Jie Wang, Siqi Zheng, Shixian Lin, Long Chen, Maiyun Yang, Shang Jia, Xiaoyu Zhang and Peng Chen*	<i>Nat. Chem.</i> 2014 , <i>6</i> , 352-361
3	Biocompatible Click Chemistry Enabled Compartment-Specific pH Measurement inside E. coli	Maiyun Yang, Abubakar S. Jalloh, Wei Wei, Jing Zhao*, Peng Wu* and Peng Chen*	<i>Nat. Commun.</i> 2014 , <i>5</i> , 4981
4	Transition Metal-Mediated Bioorthogonal Protein Chemistry in Living Cells	Maiyun Yang, Jie Li and Peng Chen*	<i>Chem. Soc. Rev.</i> 2014 , <i>43</i> , 6511-6526.
5	Genetically Encoded Cleavable Protein Photocrosslinker	Shixian Lin, Dan He, Teng Long, Shuai Zhang, Rong Meng and Peng Chen*	<i>J. Am. Chem. Soc.</i> 2014 , <i>136</i> , 11860-11863
6	Monitoring Endocytic Trafficking of Anthrax Lethal Factor <i>via</i> Precise and Quantitative Protein Labeling	Siqi Zheng, Gong Zhang, Jie Li, and Peng Chen*	<i>Angew. Chem. Int. Ed.</i> 2014 , <i>53</i> , 6449-6453
7	Targeted Imaging and Proteomic Analysis of Tumor-Associated Glycans in Living Animals	Xie, R.; Dong, L.; Huang, R.; Hong, S.; Lei, R.; Chen, X.*	<i>Angew. Chem. Int. Ed.</i> 2014 , <i>53</i> , 14082-14086
8	Glycan Imaging in Intact Rat Hearts and Glycoproteomic Analysis Reveal the Upregulation of Sialylation during Cardiac Hypertrophy	Rong, J.; Han, J.; Dong, L.; Tan, Y.; Yang, H.; Feng, L.; Wang, Q.; Meng, R.; Zhao, J.*; Wang, S.*; Chen, X.*	<i>J. Am. Chem. Soc.</i> 136 , 17468-17476
9	Selective Addition of Secondary Amines to C60: Formation of Penta and Hexaamino[60]fullerenes	Yanbang Li, and Liangbing Gan	<i>J. Org. Chem.</i> 2014 , <i>79</i> , 8912-8916
10	Aniline Induced Domino Ring Contraction Process on the Rim of an Open-Cage Fullerene with Carbonyl, Imino and Lactone Moieties	Shuming Liu, and Liangbing Gan	<i>Chin. J. Chem.</i> 2014 , <i>32</i> , 819-821
11	Synthesis of Open-cage Fullerenes with 4-Alkynylphenyl Groups on the Rim of the	Yuming Yu, Tong Zhang and Liangbing Gan	<i>Fullerenes, Nanotubes, Carbon</i>

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12	Pentafluorophenyl Transfer Reaction: Preparation of Pentafluorophenyl [60]Fullerene Adducts through Opening of Fullerene Epoxide Moiety with Trispentafluorophenylborane	Sisi Liang, Liang Xu, Zhenshan Jia, and Liangbing Gan	<i>J. Org. Chem.</i> 2014 , <i>79</i> , 5794–5798
13	Near-Infrared Absorbing Compounds Based on π -Extended Tetrathiafulvalene Open-Cage Fullerenes	Yuming Yu, Liang Xu, Xincheng Huang, and Liangbing Gan	<i>J. Org. Chem.</i> 2014 , <i>79</i> , 2156-2162
14	A green fullerene derivative as a fluoride ion sensor	Liang Xu, Sisi Liang and Liangbing Gan	<i>Org. Chem. Front.</i> 2014 , <i>1</i> , 652-656
15	An Azafullerene Acceptor for Organic Solar Cells	Zuo Xiao, Dan He, Chuantian Zuo, Liangbing Gan, Liming Ding	<i>RSC Adv.</i> , 2014 , <i>4</i> , 24029–24031
16	Unique Features of the m(6)A Methylome in Arabidopsis Thaliana	Luo, G. Z.; MacQueen, A.; Zheng, G.; Duan, H.; Dore, L. C.; Lu, Z.; Liu, J.; Chen, K.; Jia, G.*; Bergelson, J.*; He, C.*	<i>Nat. Commun.</i> 2014 , <i>5</i> , 5630
17	Total Syntheses of Menisporphine and Daurioxoisoporphine C Enabled by Photoredox-Catalyzed Direct C–H Arylation of Isoquinoline with Aryldiazonium Salt	Zhang, J.; Chen, J.; Zhang, X.; Lei, X.*	<i>J. Org. Chem.</i> 2014 , <i>79</i> , 10682-10688
18	Probing the Anti-cancer Mechanism of (-)-Ainsliatrimmer A through Diverted Total Synthesis and Bioorthogonal Ligation	Li, C.; Dong, T.; Li, Q.; Lei, X.*	<i>Angew. Chem. Int. Ed.</i> 2014 , <i>53</i> , 12111-12115
19	Diversity-oriented synthesis of Lycopodium alkaloids inspired by the hidden functional group pairing pattern	Zhang, J.; Wu, J.; Hong, B.; Ai, W.; Wang, X.; Li, H.; Lei, X.*	<i>Nature Commun.</i> 2014 , <i>5</i> , 4614
20	Enantioselective Biomimetic Total Syntheses of Kuwanons I and J and Brosimones A and B	Han, J.; Li, X.; Guan, Y.; Zhao, W.; Wulff, W. D.*; Lei, X.*	<i>Angew. Chem. Int. Ed.</i> 2014 , <i>53</i> , 9257-9261
21	Strategies toward the Biomimetic Syntheses of Oligomeric Sesquiterpenoids	Li, C.; Lei, X.*	<i>Org. Chem.</i> 2014 , <i>79</i> , 3289-3295
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23	Selection of DNA-encoded Small Molecule Libraries against Unmodified and Non-immobilized Protein Targets	Peng Zhao, Zitian Chen, Yizhou Li, Dawei Sun, Yuan Gao, Yanyi Huang,* and Xiaoyu Li*	<i>Angew. Chem. Int. Ed.</i> 2014 , <i>53</i> , 10056-10059

24	A DNA-templated Synthesis of Encoded Small Molecules by DNA Self-assembly	Cheng Cao, Peng Zhao, Ze Li, Zitian Chen, Yanyi Huang, Yu Bai* and Xiaoyu Li*	<i>Chem. Commun.</i> 2014 , 50, 10997-10999
25	Multivalent Photoaffinity Probe for Labeling Small Molecule Binding Proteins	Gang Li, Yu Liu, Xuerong Yu and Xiaoyu Li*	<i>Bioconjugate Chem.</i> 2014 , 25, 1172-1180
26	A Universal Molecular Translator for Non-Nucleic Acid Targets that Enables Dynamic DNA Assemblies and Logic Operations	Wei Tang, Shichao Hu, Huaming Wang, Yan Zhao, Na Li and Feng Liu*	<i>Chem. Commun.</i> 2014 , 50, 14352-14355
27	Facile Template-Free Synthesis of 3D Porous MnO/C Microspheres with Controllable Pore Size for High-Performance Lithium-Ion Battery Anodes	Kai Su, Chao Wang, Honggang Nie, Yan Guan, Feng Liu* and Jitao Chen*	<i>J. Mater. Chem. A</i> 2014 , 2, 10000-10006
28	A Dual Amplification Strategy for DNA Detection Combining Bio-barcode Assay and Metal-Enhanced Fluorescence Modality	Zhenpeng Zhou, Tian Li, Hongduan Huang, Yang Chen, Feng Liu, Chengzhi Huang* and Na Li*	<i>Chem. Commun.</i> 2014 , 50, 13373-13376
29	A Distance-Dependent Metal-Enhanced Fluorescence Sensing Platform Based on Molecular Beacon Design	Zhenpeng Zhou, Hongduan Huang, Yang Chen, Feng Liu, Chengzhi Huang and Na Li*	<i>Biosens. Bioelectron.</i> 2014 , 52, 367-373
30	Fast and Quantitative Differentiation of Single-Base Mismatched DNA by Initial Reaction Rate of Catalytic Hairpin Assembly	Chenxi Li, Yixin Li, Xiao Xu, Xinyi Wang, Yang Chen, Xiaoda Yang, Feng Liu and Na Li*	<i>Biosens. Bioelectron.</i> 2014 , 60, 57-63
31	A Lithium-rich composite metal oxide used as SALDI-MS matrix for the determination of small biomolecules	Ze Li, Yiwei Zhang, Yuelong Xin, Yu Bai*, Henghui Zhou, Huwei Liu*	<i>Chem. Comm.</i> 2014 , 50, 15397-15399
32	A Not-stop-flow On-line Normal-/reversed-phase Two Dimensional Liquid Chromatography-quadrupole Time-of-flight Mass Spectrometry Method for Comprehensive Lipid profiling of Human Plasma from Atherosclerosis Patients	Min Li, Xunliang Tong, Pu Lv, Baosheng Feng, Li Yang, Zheng Wu, Xinge Cui, Yu Bai, Yining Huang*, Huwei Liu*	<i>J. Chromatogr. A.</i> 2014 , 1372, 110-119
33	Analytical Methods in Lipidomics and Their Applications	Min Li, Li Yang, Yu Bai, Huwei Liu*	<i>Anal. Chem.</i> 2014 , 86, 161-175
34	Online Coupling of In-tube Solid Phase Microextraction with Direct Analysis in Real Time Mass Spectrometry for Rapid	Xin Wang, Xianjiang Li, Ze Li, Yiding Zhang, Yu Bai, Huwei Liu*	<i>Anal. Chem.</i> 2014 , 86, 4739-4747

	Determination of Triazine Herbicides by Using Polymer Monolith Incorporated with Single-Wall Carbon Nanotubes		
35	Study on Variation of Lipids during Different Growth Phases of Living Cyanobacteria Using Easy Ambient Sonic-Spray Ionization Mass Spectrometry	Yiqun Liu, Jialing Zhang, Honggang Nie, Chunxia Dong, Ze Li, Zhenggao Zheng, Yu Bai, Huwei Liu*, Jindong Zhao*	<i>Anal. Chem.</i> 2014 , 86, 7096-7102
36	Ambient Mass Spectrometry Imaging: Plasma Assisted Laser Desorption Ionization Mass Spectrometry Imaging and Its Applications	Baosheng Feng, Jialing Zhang, Cuilan Chang, Liping Li, Min Li, Xingchuang Xiong, Chengan Guo, Fei Tang, Yu Bai*, Huwei Liu	<i>Anal. Chem.</i> 2014 , 86, 4164-4169
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39	Guanidyl-Functionalized Graphene as a Bifunctional Adsorbent for Selective Enrichment of Phosphopeptides	Linnan Xu, Liping Li, Liang Jin, Yu Bai*, Huwei Liu	<i>Chem. Commun.</i> 2014 , 50, 10963-10966
40	Novel Nanomaterials Used for Sample Preparation for Protein Analysis	Liping Li, Linnan Xu, Ze Li, Yu Bai*, Huwei Liu	<i>Anal. Bioanal. Chem.</i> 2014 , 406, 35-47
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43	Solid-phase Extraction with the Metal-organic Frameworks MIL-101(Cr) Combined with Direct Analysis in Real Time Mass Spectrometry for Fast Analysis of Triazine Herbicides	Xianjiang Li, Jiawei Xing, Cuilan Chang, Xin Wang, Xiuping Yan, Yu Bai, Huwei Liu*	<i>J. Sep. Sci.</i> 2014 .37, 1489-1495
44	Rapid and Subnanomolar Assay of Recombinant Human Erythropoietin by CE Using NanoOrange Precolumn Labeling and Laser-Induced Fluorescence Detection	Nannan Pang, Yu Bai, Honggang Nie, Yu Zhou, Xiaofang Fu, Huwei Liu*	<i>J. Sep. Sci.</i> 2014 , 37(16):2233-2238
45	实时直接分析质谱新技术及其应用	冯鲍盛, 白玉, 刘虎威*	<i>中国科学-化学</i>

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46	Comparison of Different Derivatization Procedures for Analysis of Recombinant Human Erythropoietin by Capillary Electrophoresis with Laser-induced Fluorescence Detection	Xia Yang, Nannan Pang, Xiaofang Fu, Hongfeng Yin, Yiping Liao, Huwei Liu*	<i>Journal of Chinese Pharmaceutical Sciences</i> , 2014 , 23 (5), 317–323
47	A Straightforward Strategy towards Large BN-Embedded π -Systems: Synthesis, Structure, and Optoelectronic Properties of Extended BN Heterosuperbenzenes	Xiao-Ye Wang, Fang-Dong Zhuang, Rui-Bo Wang, Xin-Chang Wang, Xiao-Yu Cao*, Jie-Yu Wang* and Jian Pei*	<i>J. Am. Chem. Soc.</i> 2014 , 136, 3764-3767
48	“Conformation Locked” Strong Electron-Deficient Poly(p-Phenylene Vinylene) Derivatives for Ambient-Stable n-Type Field-Effect Transistors: Synthesis, Properties, and Effects of Fluorine Substitution Position	Ting Lei, Xin Xia, Jie-Yu Wang*, Chen-Jiang Liu* and Jian Pei*	<i>J. Am. Chem. Soc.</i> 2014 , 136, 2135-2141
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52	A Donor–Acceptor–Donor Conjugated Molecule: Twist Intramolecular Charge Transfer and Piezochromic Luminescent Properties	Zi-Hao Guo, Ze-Xin Jin, Jie-Yu Wang* and Jian Pei*	<i>Chem. Commun.</i> 2014 , 50, 6088-6090
53	Tuning the Charge-Transport Property of Pyromellitic Diimide-Based Conjugated Polymers towards Efficient Field-Effect Transistors	Xu Zhou, Yue Cao, Xiao-Ye Wang, Zi-Hao Guo, Jie-Yu Wang* and Jian Pei*	<i>Asian J. Org. Chem.</i> 2014 , 3, 209-215
54	Pentacyclic Aromatic Bislactam-based Conjugated Polymers: Constructed by Beckmann Rearrangement and Application in Organic Field-Effect Transistor	Yue Cao, Zi-Hao Guo, Zi-Ying Chen, Jing-Song Yuan, Jin-Hu Dou, Yu-Qing Zheng, Jie-Yu Wang* and Jian Pei*	<i>Poly. Chem.</i> 2014 , 5, 5369-5374

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73	Transition-Metal-Free Coupling Reactions	Chang-Liang Sun, Zhang-Jie Shi*	<i>Chem. Rev.</i> 2014 , <i>114</i> , 9219-9280
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