

2018 年度实验室发表论文目录

序号	论文题目	作者	期刊及年卷页
1	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems	Yao Q, Lin F, Fan X, Wang Y, Liu Y, Liu Z, Jiang X, Chen P*, Gao Y*	<i>Nat. Commun.</i> <b>2018</b> , 9, 5032.
2	Protease-mediated protein quality control for bacterial acid resistance	He D, Zhang M, Liu S, Xie X, Chen P*	<i>Cell Chem. Biol.</i> <b>2018</b> , 2451-2456.
3	Genetically encoded fluorescent sensors for measuring transition and heavy metals in biological systems	Hao Z, Zhu R, Chen P*	<i>Curr Opin Chem Biol.</i> <b>2018</b> , 43, 87-96.
4	Capture and Identification of RNA-binding Proteins by Using Click Chemistry-assisted RNA-interactome Capture (CARIC) Strategy	Rongbing Huang, Mengting Han, Liying Meng, Xing Chen	<i>J. Vis. Exp.</i> <b>2018</b> , 140, e58580.
5	Quantitative Profiling of Protein O-GlcNAcylation Sites by an Isotope-Tagged Cleavable Linker	Ke Qin, Yuntao Zhu, Wei Qin, Jinjun Gao, Xuan Shao, Yan-ling Wang, Wen Zhou, Chu Wang, and Xing Chen	<i>ACS Chem. Biol.</i> <b>2018</b> , 13, 1983-1989.
6	Transcriptome-wide discovery of coding and noncoding RNA-binding proteins	Rongbing Huang, Mengting Han, Liying Meng, and Xing Chen	<i>Proc. Natl. Acad. Sci. USA</i> <b>2018</b> , 115, E3879-E3887.
7	Metabolic glycan labeling-assisted discovery of cell-surface markers for primary neural stem and progenitor cells	Qing-Ran Bai, Lu Dong, Yi Hao, Xing Chen* and Qin Shen*	<i>Chem. Comm.</i> <b>2018</b> , 54, 5486-5489.
8	Antibiotics-based fluorescent probes for selective labeling of Gram-negative and Gram-positive bacteria in living microbiotas	Wei Wang, Xing Chen	<i>Sci. China Chem.</i> <b>2018</b> , 61, 792-796.
9	Mechanistic Investigation and Multiplexing of Liposome-Assisted Metabolic Glycan Labeling	Yuting Sun, Senlian Hong, Ran Xie, Rongbing Huang, Ruoxing Lei, Bo Cheng, De-en Sun, Yifei Du, Corwin M. Nycholat, James C. Paulson, and Xing Chen*	<i>J. Am. Chem. Soc.</i> <b>2018</b> , 140, 3592-3602.
10	Artificial Cysteine S-Glycosylation Induced by Per-O-Acetylated	Wei Qin, Ke Qin, Xinqi Fan, Linghang Peng,	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , 57,

	Unnatural Monosaccharides during Metabolic Glycan Labeling	Weiyao Hong, Yuntao Zhu, Pinou Lv, Yifei Du, Rongbing Huang, Mengting Han, Bo Cheng, Yuan Liu, Wen Zhou, Chu Wang,* and Xing Chen*	1817-1820.
11	Hybrid Indicators for Fast and Sensitive Voltage Imaging	Yongxian Xu+, Luxin Peng+, Sicong Wang+, Anqi Wang+, Ruirui Ma, Ying Zhou, Jiahe Yang, De-en Sun, Wei Lin, Xing Chen, and Peng Zou*	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , <i>57</i> , 3949-3953.
12	Material: Synthesis of an Open-Cage Fullerene Derivative Suitable for Encapsulation of H <sub>2</sub> O <sub>2</sub> and O <sub>2</sub>	Yanbang Li, Ning Lou, Dan Xu, Changwang Pan, Xing Lu* and Liangbing Gan*	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , <i>57</i> , 14144-14148.
13	Synthesis of Pentapyrazolyl, Pentapyrrolyl, and Pentaanilino C <sub>60</sub> Derivatives	Ning Lou, Olga A. Kraevaya, Pavel A. Troshin,* Liangbing Gan*	<i>Synthesis</i> <b>2018</b> , <i>50</i> , 4283-4289.
14	Selective synthesis of [60]fullerene multiadducts through DCC (dicyclohexylcarbodiimide) mediated reactions	Hao Zhang, Yanbang Li, Liangbing Gan*	<i>Synlett.</i> <b>2018</b> , <i>29</i> , 1167-1170.
15	Synthesis of Metal Complexes with an Open-Cage Fullerene as the Ligand	Zishuo Zhou, Nana Xin, and Liangbing Gan*	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 451-457.
16	An elongation- and ligation-based qPCR amplification method for the radiolabeling-free detection of locus-specific N <sup>6</sup> -methyladenosine modification	Yu Xiao, Ye Wang, Qian Tang, Lianhuan Wei, Xiao Zhang, Guifang Jia*	<i>Angew. Chem. Int. Ed. Engl.</i> <b>2018</b> , <i>57</i> , 15995-16000.
17	The m <sup>6</sup> A reader ECT2 controls trichome morphology by affecting mRNA stability in Arabidopsis	Lian-Huan Wei, Peizhe Song, Ye Wang, Zhike Lu, Qian Tang, Qiong Yu, Yu Xiao, Xiao Zhang, Hong-Chao Duan, <b>Guifang Jia*</b> .	<i>Plant Cell</i> , <b>2018</b> , <i>30</i> , 968-985.
18	Reversible RNA modification N <sup>1</sup> -methyladenosine (m <sup>1</sup> A) in mRNA and tRNA	Chi Zhang, <b>Guifang Jia*</b>	<i>Genomics Proteonomics &amp; Bioinformatics</i> , <b>2018</b> , <i>16</i> , 155-161.
19	Differential m <sup>6</sup> A, m <sup>6</sup> A <sub>m</sub> , and m <sup>1</sup> A	Jiangbo Wei, Fange Liu, Zhike Lu, Qili Fei,	<i>Mol Cell.</i> <b>2018</b> , <i>71</i> , 973-985.

	Demethylation Mediated by FTO in the Cell Nucleus and Cytoplasm	YuxiAi, P.Cody He, Hailing Shi, Xiaolong Cui, Rui Su, Arne Klungland, Guifang Jia, Jianjun Chen, Chuan He*	
20	Recent Developments and Applications of Photoconjugation Chemistry.	Xiao F, Zhang X, Lei X.*	<i>Chimia</i> <b>2018</b> , 72, 782-790.
21	Chemoproteomic Profiling Reveals Ethacrynic Acid Targets Adenine Nucleotide Translocases to Impair Mitochondrial Function	Ye, Z.; Zhang, X.; Zhu, Y.; Song, T.; Chen, X.; Lei, X.*; Wang, X.*	<i>Mol. Pharm.</i> <b>2018</b> , 15, 2413-2422.
22	<i>ent</i> -Jungermannone C Triggers Reactive Oxygen Species-Dependent Cell Differentiation in Leukemia Cells	Yue, Z.; Xiao, X.; Wu, J.; Zhou, X.; Liu, W.; Liu, Y.; Li, H.; Chen, G.; Wu, Y.*; Lei, X.*	<i>J. Nat. Prod.</i> <b>2018</b> , 81, 298-306.
23	Carboxylate-Selective Chemical Cross-Linkers for Mass Spectrometric Analysis of Protein Structures	Zhang, X.; Wang, J.; Tan, D.; Li, Q.; Li, M.; Gong, Z.; Tang, C.; Liu, Z.; Dong, W.*; Lei, X.*	<i>Anal. Chem.</i> <b>2018</b> , 90, 1195-1201.
24	Fawcettimine-Type Lycopodium Alkaloids as a Driving Force for Discoveries in Organic Synthesis	Li, H.; Lei, X.*	<i>Chem. Rec.</i> <b>2018</b> , 18, 543-554.
25	Combining Cooperativity with Sequestration: A Novel Strategy for Discrimination of Single Nucleotide Variants	Shichao Hu, Na Li, Feng Liu*	<i>Chem. Commun.</i> <b>2018</b> , 54, 3223–3226.
26	Ultra-specific multiplexed detection of low-abundance single-nucleotide variants by combining masking tactic with fluorescent nanoparticle counting	Xiaojing Pei, Tiancheng Lai, Guangyu Tao, Hu Hong, Feng Liu, and Na Li*	<i>Anal. Chem.</i> , <b>2018</b> , 90, 4226–4233.
27	Multiplexed Detection of Attomole Nucleic Acids Using Fluo-rescent Nanoparticle Counting Platform	Xiaojing Pei, Haoyan Yin, Tiancheng Lai, Junlong Zhang, Feng Liu, and Xiao Xu, Na Li*	<i>Anal. Chem.</i> , <b>2018</b> , 90, 1376–1383.
28	A simple and non-amplification platform for femtomolar DNA and microRNA detection by combining automatic gold nanoparticle enumeration with target-induced strand-displacement	Tian Li, Xi Wu, Guangyu Tao, Haoyan Yin, Junlong Zhang, Feng Liu, Na Li*	<i>Biosens. Bioelectron.</i> <b>2018</b> , 105, 137–142.
29	How G-quadruplex topology and loop sequences affect optical properties of DNA-templated silver nanoclusters	Guangyu Tao, Yang Chen, Ruoyun Lin, Jiang Zhou, Xiaojing Pei, Feng Liu, Na Li*	<i>Nano Res.</i> <b>2018</b> , 11, 2237-2247.
30	Applications of metal-organic frameworks as	Wen Ma, Xianjiang Li,	<i>Trends in Anal. Chem.</i>

	advanced sorbents in biomacromolecules sample preparation,	Yu Bai* and Huwei Liu*	<b>2018</b> , <i>109</i> , 154-162
31	Metal–organic frameworks induce autophagy in mouse embryonic fibroblast cells	Sensen Shen, Linnan Li, Songyue Li, Yu Bai* and Huwei Liu	<i>Nanoscale</i> , <b>2018</b> , <i>10</i> , 18161-18168.
32	Development of a fast CE method for high throughput screening of ecto-5-nucleotidase inhibitors,	Rabia Raza, Yu Bai and Huwei Liu*	<i>Electrophoresis</i> , <b>2018</b> , <i>39</i> , 2612-2618.
33	Lipid metabolism in mouse embryonic fibroblast cells in response to autophagy induced by nutrient stress	Sensen Shen, Li Yang, Linnan Li , Yu Bai* and Huwei Liu	<i>Anal. Chimi. Acta</i> , <b>2018</b> , <i>1037</i> , 75-86.
34	Facilely synthesized Eu <sup>3+</sup> +post-functionalized UiO-66-type metal-organic framework for rapid and highly selective detection of Fe <sup>3+</sup> in aqueous solution	Linnan Li, Sensen Shen, Wanpeng Ai, Shiyao Song, Yu Bai* and Huwei Liu*	<i>Sensors and Actuators B</i> , <b>2018</b> , <i>267</i> , 542-548.
35	A Versatile Integrated Ambient Ionization Source Platform	Wanpeng Ai, Honggang Nie, Shiyao Song, Xiaoyun Liu, Yu Bai* and Huwei Liu	<i>J. Am. Soc. Mass Spectrom.</i> <b>2018</b> , <i>29</i> , 1408-1415.
36	氨基功能化整体材料在磷酸化肽快速可控富集中的应用	徐林楠, 白玉*, 刘虎威*	<i>中国科学: 生命科学</i> <b>2018</b> , <i>48</i> , 207-214
37	Metabolomic study of mouse embryonic fibroblast cells in response to autophagy based on high resolution gas chromatography-mass spectrometry	Sensen Shen, Linna Li, Shiyao Song, Yu Bai*, Huwei Liu	<i>Inter. J. Mass Spectrom.</i> <b>2018</b> , <i>434</i> , 215-221
38	Total Synthesis of Maoecrystal P: Application of a Strained Bicyclic Synthon	Fan Su, Yandong Lu, Lingran Kong, Jingjing Liu, and Tuoping Luo*	<i>Angew. Chem., Int. Ed.</i> <b>2018</b> , <i>57</i> , 760-764.
39	Charge-Trapping-Induced Non-Ideal Behaviors in Organic Field-Effect Transistors	Hio-Ieng Un, Peng Cheng, Ting Lei, Chi-Yuan Yang, Jie-Yu Wang,* Jian Pei*	<i>Adv. Mater.</i> <b>2018</b> , <i>30</i> , 1800017.
40	Enhancing the n-Type Conductivity and Thermoelectric Performance of Donor–Acceptor Copolymers through Donor Engineering	Chi-Yuan Yang, Wen-Long Jin, Jue Wang, Yi-Fan Ding, Shuying Nong, Ke Shi, Yang Lu, Ya-Zhong Dai, Fang-Dong Zhuang, Ting Lei, Chong-An Di, Daoben Zhu, Jie-Yu Wang, Jian Pei*	<i>Adv. Mater.</i> <b>2018</b> , <i>30</i> , 1802850.
41	Wafer-Scale Fabrication of High-Performance n-Type Polymer Monolayer Transistors Using a Multi-Level Self-Assembly Strategy	Ze-Fan Yao, Yu-Qing Zheng, Qi-Yi Li, Ting Lei*, Song Zhang, Lin	<i>Adv. Mater.</i> <b>2018</b> , 1806747.

		Zou, Han-Yu Liu, Jin-Hu Dou, Yang Lu, Jie-Yu Wang, Xiaodan Gu, Jian Pei*	
42	Chemical Modification toward Long Spin Lifetimes in Organic Conjugated Radicals	Ya-Zhong Dai, Bo-Wei Dong, Yi Kao, Zi-Yuan Wang, Hio-Ieng Un, Zheng Liu, ZhiJun Lin, Liang Li, Fang-Bai Xie, Yang Lu, Mei-Xing Xu, Ting Lei, Yu-Jie Sun, JieYu Wang, Song Gao,* Shang-Da Jiang,* Jian Pei*	<i>ChemPhysChem</i> <b>2018</b> , <i>19</i> , 2972-2977.
43	Control of $\pi$ - $\pi$ Stacking via Crystal Engineering in Organic Conjugated Small Molecule Crystals	Ze-Fan Yao, Jie-Yu Wang,* Jian Pei*	<i>Cryst. Growth Des.</i> <b>2018</b> , <i>18</i> , 7-15.
44	Second Near-Infrared Conjugated Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy	Tingting Sun, Jin-Hu Dou, Shi Liu, Xin Wang, Xiaohua Zheng, Yapei Wang, Jian Pei*, Zhigang Xie*	<i>ACS Appl. Mater. Interfaces</i> <b>2018</b> , <i>10</i> , 7919-7926.
45	Thiazoloisindigo: A Building Block that Merges the Merits of Thienoisindigo and Diazaisindigo for Conjugated Polymers	Chenchen Li, Hio-Ieng Un, Jiawei Peng, Mian Cai, Xiao Wang*, Jieyu Wang, Zhenggang Lan, Jian Pei*, Xiaobo Wan*	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 9807-9811.
46	New insights into the design of conjugated polymers for intramolecular singlet fission	Jiahua Hu, Ke Xu, Lei Shen, Qin Wu, Guiying He, Jie-Yu Wang, Jian Pei, Jianlong Xia*, Matthew Y. Sfeir*	<i>Nat. Commun.</i> <b>2018</b> , <i>9</i> , 2999.
47	Cocrystallization of Imide-Fused Corannulene Derivatives and C60: Guest-Induced Conformational Switching and 1:1 Segregated Packing	Ru-Qiang Lu, Shuang Wu, Yue-Hua Bao, Lin-Lin Yang, Hang Qu, Mithu Saha, Xiao-Ye Wang, You-Zhen Zhuo, Binbin Xu, Jian Pei, Hui Zhang, Wengui Weng, Xiao-Yu Cao*	<i>Chem. Asian J.</i> <b>2018</b> , <i>13</i> , 2934-2938.
48	Chemical proteomic profiling of protein N-homocysteinylation with a thioester probe	Nan Chen; Jinmin Liu; Zeyu Qiao; Yuan Liu; Yue Yang; Changtao Jiang; Xian Wang; Chu	<i>Chem Sci</i> <b>2018</b> , <i>9</i> , 2826-2830.

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49	Quantitative Profiling of Protein Carbonylations in Ferroptosis by an Aniline-Derived Probe	Ying Chen; Yuan Liu; Tong Lan; Wei Qin; Yuntao Zhu; Ke Qin; Jinjun Gao; Haobo Wang; Xiaomeng Hou; Nan Chen; Jose Pedro Friedmann Angeli; Marcus Conrad; Chu Wang*	<i>J. Am. Chem. Soc.</i> <b>2018</b> , <i>140</i> , 4712-4720.
50	Target discovery of ebselen with a biotinylated probe	Zhenzhen Chen; Zhongyao Jiang; Nan Chen; Qian Shi; Lili Tong; Fanpeng Kong; Xiufen Cheng; Hao Chen; Chu Wang*; Bo Tang*	<i>Chem. Commun.</i> <b>2018</b> , <i>54</i> , 9506-9509.
51	Chemoproteomics reveals baicalin activates hepatic CPT1 to ameliorate diet-induced obesity and hepatic steatosis	Jianye Dai; Kai Liang; Shan Zhao; Wentong Jia; Yuan Liu; Hongkun Wu; Jia Lv; Chen Cao; Tao Chen; Shentian Zhuang; Xiaomeng Hou; Shijie Zhou; Xiannian Zhang; Xiao-Wei Chen; Yanyi Huang; Rui-Ping Xiao; Yan-Ling Wang; Tuoping Luo; Junyu Xiao; Chu Wang*	<i>Proc. Natl. Acad. Sci. U. S. A.</i> <b>2018</b> , <i>115</i> , E5896-E5905.
52	Selenium-Encoded Isotopic Signature Targeted Profiling	Jinjun Gao; Fan Yang; Jinteng Che; Yu Han; Yankun Wang; Nan Chen; Daniel W Bak; Shuchang Lai; Xiao Xie; Eranthie Weerapana; Chu Wang*	<i>ACS Cent. Sci.</i> <b>2018</b> , <i>4</i> , 960-970.
53	Quantitative Profiling of Protein O-GlcNAcylation Sites by an Isotope-Tagged Cleavable Linker	Ke Qin; Yuntao Zhu; Wei Qin; Jinjun Gao; Xuan Shao; Yan-Ling Wang; Wen Zhou*; Chu Wang*; Xing Chen*	<i>ACS Chem. Biol.</i> <b>2018</b> , <i>13</i> , 1983-1989.
54	Artificial Cysteine S-Glycosylation Induced by Per-O-Acetylated Unnatural Monosaccharides during Metabolic Glycan Labeling	Wei Qin; Ke Qin; Xinqi Fan; Linghang Peng; Weiyao Hong; Yuntao Zhu; Pinou Lv; Yifei Du;	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , <i>57</i> , 1817-1820.

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55	Sequence-Based Prediction of Cysteine Reactivity Using Machine Learning	Haobo Wang; Xuemin Chen; Can Li; Yuan Liu; Fan Yang; Chu Wang*	<i>Biochemistry</i> <b>2018</b> , 57, 451-460.
56	A Dimethyl-Labeling-Based Strategy for Site-Specifically Quantitative Chemical Proteomics	Fan Yang; Jinjun Gao; Jinteng Che; Guogeng Jia; Chu Wang*	<i>Anal. Chem.</i> <b>2018</b> , 90, 9576-9582.
57	Chemoproteomic Profiling Reveals Ethacrynic Acid Targets Adenine Nucleotide Translocases to Impair Mitochondrial Function	Zi Ye; Xiaoyun Zhang; Yuanguang Zhu; Tong Song; Xiaowei Chen; Xiaoguang Lei*; Chu Wang*	<i>Mol. Pharm.</i> <b>2018</b> , 15, 2413-2422.
58	When Diazo Compounds Meet with Organoboron Compounds	Jianbo Wang*	<i>Pure and Applied Chemistry</i> <b>2018</b> , 90, 617-623.
59	Palladium-Catalyzed Reductive Cross-Coupling Reaction of Aryl Chromium(0) Fischer Carbene Complexes with Aryl Iodides	Kang Wang, Yu Lu, Fangdong Hu, Jinghui Yang, Yan Zhang, Zhi-Xiang Wang,* and Jianbo Wang*	<i>Organometallics</i> <b>2018</b> , 37, 1-10.
60	Cu(I)-Catalyzed Asymmetric Cross-Coupling of N-Tosylhydrazones and Trialkylsilylalkynes: Enantioselective Construction of C(sp)-C(sp <sup>3</sup> ) Bonds	Wen-Dao Chu, Fangfang Guo, Lefei Yu, Junting Hong, Qianyi Liu, Fanyang Mo, Yan Zhang and Jianbo Wang*	<i>Chin. J. Chem.</i> <b>2018</b> , 36, 217-222.
61	Ru(II)-Catalyzed Cross-Coupling of Cyclopropenes with Diazo Compounds: Formation of Olefins from two Different Carbene Precursors	Bo Wang, Heng Yi, Hang Zhang, Tong Sun, Yan Zhang, and Jianbo Wang*	<i>J. Org. Chem.</i> <b>2018</b> , 83, 1026-1032.
62	Renaissance of Sandmeyer-Type Reactions: Conversion of Aromatic C-N Bonds into C-X Bonds (X = B, Sn, P, CF <sub>3</sub> )	Fanyang Mo,* Di Qiu, Yan Zhang and Jianbo Wang*	<i>Acc. Chem. Res.</i> <b>2018</b> , 51, 496-506.
63	Palladium-Catalyzed Oxygenative Cross-Coupling of Ynamides and Benzyl Bromides via Carbene Migratory Insertion	Yunpeng Gao, Guojiao Wu, Qi Zhou and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , 57, 2716-2720.
64	The Continuous Flow Reaction of Diazo Compounds	Yunpeng Gao and Jianbo Wang*	<i>Chin. J. Org. Chem.</i> <b>2018</b> , 38, 1275-1291.
65	Geminal Bis(boron) Compounds: Their Preparation and Synthetic Applications	Chaoqiang Wu and Jianbo Wang*	<i>Tetrahedron Lett.</i> <b>2018</b> , 59,

			2128-2140.
66	Cu(I)-Catalyzed Coupling of Bis(trimethylsilyl)diazomethane with Terminal Alkynes: A Synthesis of 1,1-Disilyl Allenes	Shuai Xu, Ri Chen, Zihao Fu, Yunpeng Gao, and Jianbo Wang	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 6186-6192.
67	Cu(I)-Catalyzed Cross-coupling of Diazo Compounds with Terminal Alkynes: An Efficient Access to Allenes	Mohammad Lokman Hossain, and Jianbo Wang*	<i>The Chemical Record</i> <b>2018</b> , <i>18</i> , 1548-1559.
68	Palladium(0)-Catalyzed Si-Si Bond Insertion by the Terminal Nitrogen of Diazo Compounds	Zhenxing Liu, Tianren Fu, Jingfeng Huo, Sheng Feng and Jianbo Wang*	<i>Chin. J. Chem.</i> <b>2018</b> , <i>36</i> , 945-949.
69	Palladium(0)-Catalyzed C(sp <sup>3</sup> )-Si Bond Formation via Formal Carbene Insertion into Si-H Bond	Zhenxing Liu, Jingfeng Huo, Tianren Fu, Haocheng Tan, Fei Ye, Mohammad Lokman Hossain and Jianbo Wang*	<i>Chem. Commun.</i> <b>2018</b> , <i>54</i> , 11419-11422.
70	Pd-catalyzed oxidative cross-coupling of alkyl chromium(0) Fischer carbene complexes with organoboronic acids	Kang Wang, Jinghui Yang, Xingqi Yao and Jianbo Wang	<i>Chem. Asian J.</i> <b>2018</b> , <i>13</i> , 3165-3168.
71	Pd(0)-Catalyzed Four-Component Reaction of Aryl Halide, CO, <i>N</i> -Tosylhydrazone, and Amine	Yiyang Liu, Zhen Zhang, Songnan Zhang, Yan Zhang, Jianbo Wang,* and Zhenhua Zhang*	<i>Chem. Asian J.</i> <b>2018</b> , <i>13</i> , 3658-3663.
72	Regioselective Copper-catalyzed Aminoborylation of Styrenes with Bis(pinacolato)diboron and Diazo Compounds	Jingfeng Huo, Yazhen Xue and Jianbo Wang*	<i>Chem. Commun.</i> <b>2018</b> , <i>54</i> , 12266-12269.
73	Rh(I)-Catalyzed Carbonylative [3+1] Construction of Cyclobutenones via C-C $\sigma$ -Bond Activation of Cyclopropenes	Wen-Bin Xu, Changkun Li,* Jianbo Wang	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 15786-15790.
74	Alkenyl Magnesium Compounds: Generation and Synthetic Application	Miaomiao Zhu, Liang Liu, Hai-Tao Yu, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 19122-19135.
75	Well-defined Styryl and Biphenyl Calcium Complexes from Dilithio Compounds and Calcium Iodide: Synthesis, Structure and Reactivity toward Nitrous Oxide	Baosheng Wei, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Dalton Trans.</i> <b>2018</b> , <i>47</i> , 12540-12545.
76	Diversified Aggregation States of Phospholyl Lithiums	Shanshan Du, Wen-Xiong Zhang,* and Zhenfeng Xi	<i>Organometallics</i> <b>2018</b> , <i>37</i> , 2018-2022.
77	The Aromatic Dianion Metalloles	Junnian Wei*, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Chem. Sci.</i> <b>2018</b> , <i>9</i> , 560-568.



78	Selective Transformation of Well-defined Alkenyllithiums to Alkenylmagnesiums via Transmetalation	Miaomiao Zhu, Liang Liu, Yongliang Zhang, Hai-Tao Yu, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 3186-3191.
79	Rhodium-Catalyzed Intramolecular Carbosilylation of Alkynes via C(sp <sup>3</sup> )-Si Bond Cleavage	Qi Yang, Liang Liu, Yue Chi, Wei Hao, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Org. Chem. Front.</i> <b>2018</b> , <i>5</i> , 860-863.
80	Formation of a Hexa-nuclear Octatetraenyl Organocopper(I) Aggregate via Oxidation of Spiro Butadienyl Organocuprate	Liang Liu, Miaomiao Zhu, Hai-Tao Yu, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Organometallics</i> <b>2018</b> , <i>37</i> , 845-847.
81	Lewis Acid-Promoted Ring-Contraction of 2,4,6,8-Tetrasubstituted 1,5-Diazacyclooctatetraenes to 2,4,6-Trisubstituted Pyridines	Zhe Huang, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Org. Lett.</i> <b>2018</b> , <i>20</i> , 485-488.
82	Transition-Metal-Catalyzed Guanylation Reaction of Amines with Carbodiimides Constructing Guanidines	Lianjun Wang, Yue Chi, Wen-Xiong Zhang,* and Zhenfeng Xi	<i>Chin. J. Org. Chem.</i> <b>2018</b> , <i>38</i> , 1341-1349.
83	Gold(I)-Catalyzed 1,2-Migration of a SiMe <sub>3</sub> Group on Naphthalene Rings	Qi Yang, Liang Liu, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Chin. J. Org. Chem.</i> <b>2018</b> , <i>38</i> , 272-276.
84	Cyclobutadiene Sandwich Complexes of Nickel and Iron from Cyclization of 1,3-Butadiene Dianions: Synthesis and Structural Characterization	Chao Yu, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Organometallics</i> <b>2018</b> , <i>37</i> , 4100-4104.
85	Asymmetric Total Syntheses of Insulicolide A, 14-O-Acetylsulicolide A, 6β,9α-Dihydroxy-14-p-nitrobenzoylcinnamolide, and 7α,14-Dihydroxy-6β-p-nitrobenzoyl-confertifolin	Lai, Y.; Zhang, N.; Zhang, Y.; Chen, J.-H.; Yang, Z.	<i>Org. Lett.</i> <b>2018</b> , <i>20</i> , 4298-4301
86	Asymmetric Total Synthesis of Lancifodilactone G Acetate. 2. Final Phase and Completion of the Total Synthesis	Wang, K.-Y.; Liu, D.-D.; Sun, T.-W.; Lu, Y.; Zhang, S.-L.; Li, Y.-H.; Han, Y.-X.; Liu, H.-Y.; Peng, C.; Wang, Q.-Y.; Chen, J.-H.; Yang, Z.	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 6907-6923
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88	Total Synthesis of Sinensilactam A	Shao, W.; Huang, J.; Guo, K.; Gong, J.; Yang, Z.	<i>Org. Lett.</i> <b>2018</b> , <i>20</i> , 1857-1860
89	Total Syntheses of Crinipellins Enabled by Cobalt - Mediated and Palladium - Catalyzed Intramolecular Pauson–Khand Reactions	Huang, Z.; Huang, J.; Qu, Y.; Zhang, W.; Gong, J.; Yang, Z.	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , <i>57</i> , 8744-8748
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91	Total Synthesis of (±)-5-epi-Cyanthiwigin I via an Intramolecular Pauson–Khand Reaction as the Key Step	Chang, Y.; Shi, L.; Huang, J.; Shi, L.; Zhang, Z.; Hao, H.-D.; Gong, J.; Yang, Z.	<i>Org. Lett.</i> <b>2018</b> , <i>20</i> , 2876-2879
92	Formal Total Synthesis of Hybocarpone Enabled by Visible-Light-Promoted Benzannulation	Chen W., Guo R., Yang Z., Gong J.	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 15524-15532
93	Rh(I)-Catalyzed Intramolecular [3+2] Cycloaddition of trans-2-Allene-Vinylcyclopropanes	Cheng-Hang Liu and Zhi-Xiang Yu*	<i>Synlett.</i> <b>2018</b> , <i>29</i> , 764-768
94	Intra- versus Intermolecular Carbon-to-Carbon Proton Transfers in the Reactions of Arynes with Nitrogen Nucleophiles: A DFT Study	Yi Wang and Zhi-Xiang Yu*	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 5384-5391
95	Formal Insertion of Imines (or Nitrogen Heteroarenes) and Arynes into the C–Cl Bond of Carbon Tetrachloride	Sheng-Jun Li, Yi Wang, Jing-Kun Xu, Dong Xie, Shi-Kai Tian,* and Zhi-Xiang Yu*	<i>Org. Lett.</i> <b>2018</b> , <i>20</i> , 4545-4548
96	TfOH and HBF <sub>4</sub> Mediated Formal Cycloisomerizations and [4+3] Cycloadditions of Allene-Alkynylbenzenes	Yu Xiang, Zining Li, Lu-Ning Wang, and Zhi-Xiang Yu*	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 7633-7647
97	Rh <sup>I</sup> -Catalyzed Intramolecular [3+2] Cycloaddition of 1-Allene-vinylcyclopropanes	Cheng-Hang Liu, Feng Li, Yuan Yuan, Meng Dou, and Zhi-Xiang Yu*	<i>Asian J. Org. Chem.</i> <b>2018</b> , <i>7</i> , 1609-1613
98	Rhodium(II)-catalysed generation of cycloprop-1-en-1-yl ketones and their rearrangement to 5-aryl-2-siloxyfurans	Kostiantyn O. Marichev, Yi Wang, Alejandra M. Carranco, Estevan C. Garcia, Zhi-Xiang Yu,* and Michael P. Doyle*	<i>Chem. Commun.</i> <b>2018</b> , <i>54</i> , 9513-9516
99	Two-Fold C–H/C–H Cross-Coupling Using RhCl <sub>3</sub> ·3H <sub>2</sub> O as the Catalyst: Direct Fusion of N-(Hetero)arylimidazolium Salts and (Hetero)arenes	Zhijie She, Yi Wang, Deping Wang, Yinsong Zhao, Tianbao Wang, Xuesong Zheng, Zhi-Xiang Yu,* Ge Gao,* and Jingsong You*	<i>J. Am. Chem. Soc.</i> <b>2018</b> , <i>140</i> , 12566-12573

100	Rhodium-Catalyzed [4+2+1] Cycloaddition of In Situ Generated Ene/Yne-Ene-Allenenes and CO	Zi-You Tian, Qi Cui, Cheng-Hang Liu, and Zhi-Xiang Yu*	<i>Angew. Chem. Int. Ed.</i> <b>2018</b> , <i>140</i> , 15544-15548
101	Copper-catalyzed Intramolecular Annulation of Conjugated Enynones to Substituted 1 <i>H</i> -Indenes and Mechanistic Studies	Chao Pei, Guang-Wei Rong, Zhi-Xiang Yu,* and Xin-Fang Xu*	<i>J. Org. Chem.</i> <b>2018</b> , <i>83</i> , 13243-13255
102	Conformational Bias by a Removable Silyl Group: Construction of Bicyclo[n.3.1]alkenes by Ring Closing Metathesis	Minggui Lin, Pei-Jun Cai, Zhixiong Zeng, Na Lin, Yang Shen, Bin Tang, Fan Li, Chen Chen, Zhi-Xiang Yu,* and Yandong Zhang*	<i>Chem. Eur. J.</i> <b>2018</b> , <i>24</i> , 2334-2338
103	Simultaneous multiple single nucleotide polymorphism detection based on click chemistry combined with DNA-encoded probes	Qian-Yu Zhou, Fang Yuan, Xiao-Hui Zhang, Ying-Lin Zhou* and Xin-Xiang Zhang*	<i>Chem. Sci.</i> <b>2018</b> , <i>9</i> , 3335-3340
104	Highly-sensitive detection of eight typical fluoroquinolone antibiotics by capillary electrophoresis-mass spectroscopy coupled with immunoaffinity extraction	Xiao-Hui Zhang, Yan Deng, Ming-Zhe Zhao, Ying-Lin Zhou* and Xin-Xiang Zhang*	<i>RSC Adv.</i> <b>2018</b> , <i>8</i> , 4063-4071
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106	Noncanonical substrate preference of lambda exonuclease for 5'-nonphosphate-ended dsDNA and a mismatch-induced acceleration effect on the enzymatic reaction	Tongbo Wu, Yufei Yang, Wei Chen, Jiayu Wang, Ziyu Yang, Shenlin Wang, Xianjin Xiao, Mengyuan Li, and Meiping Zhao*	<i>Nucleic Acids Res.</i> <b>2018</b> , <i>46</i> , 3119-3129
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