

2011 年论文目录

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1	Bromination-Mediated Regioselective Preparation of Cyclopentadienyl-Type [60]Fullerene Derivatives with Alkoxy, Peroxy, and Bromo or Hydro Addends	Jianxin Zhang, Nana Xin, and Liangbing Gan*	<i>J. Org. Chem.</i> 2011 , 76, 1735–1741
2	Preparation of a 12-Membered Open-Cage Fullerendione through Silane/Borane-Promoted Formation of Ketal Moieties and Oxidation of a Vicinal Fullerendiol	Gang Zhang, Qianyan Zhang, Zhenshan Jia, Sisi Liang, Liangbing Gan,* and Yuliang Li	<i>J. Org. Chem.</i> 2011 , 76, 6743–6748
3	Synthesis of Decahydropyrrolo[2,1,5-cd]indolizine through Consecutive [2+3] Cycloadditions and 6-Exo-Trig Cyclization	Peipei Cui, Liang Xu, Zhangjie Shi,* and Liangbing Gan*	<i>J. Org. Chem.</i> 2011 , 76, 4210–4213
4	Synthesis of 18-Membered Open-Cage Fullerenes through Controlled Stepwise Fullerene Skeleton Bond Cleavage Processes and Substituent-Mediated Tuning of the Redox Potential of Open-Cage Fullerenes	Yuming Yu, Xiang Xie, Tong Zhang, Shuming Liu, Yuanhua Shao, Liangbing Gan,* and Yuliang Li	<i>J. Org. Chem.</i> 2011 , 76, 10148–10153
5	Preparation of Ketolactone and Bis lactone [60]Fullerene Derivatives and Their Conversion into Open-Cage Fullerenes with a 12- or 15-Membered Orifice	Jianxin Zhang, Fudong Wang, Nana Xin, Dazhi Yang, and Liangbing Gan*	<i>Eur. J. Org. Chem.</i> 2011 , 5366–5373
6	Synthesis of fullerene multiadducts with mixed oxygen and nitrogen addends including five secondary amino groups	Gang Zhang, Xiangqing Hu, Liangbing Gan,* and Yuliang Li	<i>Tetrahedron Lett.</i> 2011 , 52, 5805–5807
7	Assembly of Janus Fullerol: a novel approach to prepare rich carbon structures	Yun Liu, Gang Zhang, Lin Niu, Liangbing Gan*, and Dehai Liang*	<i>J. Mater. Chem.</i> 2011 , 21, 14864–14868
8	Heating a bowl of single-molecule-soup: structure and desorption energetics of water-encapsulated open-cage fullerene anions in the gas-phase	Oliver Hampe,* Tatjana Karpuschkin, Matthias Vonderach, Patrick Weis, Yuming Yu, Liangbing Gan, Wim Klopper and Manfred M. Kappes	<i>Phys. Chem. Chem. Phys.</i> , 2011 , 13, 9818–9823
9	High-Performance Air-Stable Organic Field-Effect Transistors: Isoindigo- Based Conjugated Polymers	Lei, T.; Cao, Y.; Fan, Y.; Liu, C-J.; Yuan, S-C.; Pei, J.	<i>J. Am. Chem. Soc.</i> 2011 , 133, 6099–6101
10	A Butterfly-Shaped Amphiphilic Molecule:	Yin, J.; Zhou, Y.; Lei, T.;	<i>Angew. Chem.</i>

	Solution-Transferable and Free-Standing Bilayer Films for Organic Transistors	Pei, J.	<i>Int. Ed.</i> 2011 , <i>50</i> , 6320-6323
11	Aceno[2,1,3]thiadiazoles for Field- Effect Transistors: Synthesis and Crystal Packing	Lei, T.; Zhou, Y.; Cheng, C-Y.; Cao, Y.; Peng, Y.; Bian, J.; Pei, J.	<i>Org. Lett.</i> 2011 , <i>13</i> , 2642-2645
12	Solution-Processed, High-Performance Nanoribbon Transistors Based on Dithioperylene	Jiang, W.; Zhou, Y.; Geng, H.; Jiang, S.; Yan, S.; Hu, W.; Wang, Z.; Shuai, Z.; Pei, J.	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 1-3
13	Polycyclic Imide Derivatives: Synthesis and Effective Tuning of Lowest Unoccupied Molecular Orbital Levels through Molecular Engineering	Ding, L.; Ying, H-Z.; Zhou, Y.; Lei, T.; Pei, J.	<i>Org. Lett.</i> 2010 , <i>12</i> , 5522-5525
14	Smart Macrocyclic Molecules: Induced Fit and Ultrafast Self-Sorting Inclusion Behavior through Dynamic Covalent Chemistry	Han, J-M.; Pan, J-L.; Lei, T.; Liu, C-J.; Pei, J.	<i>Chem. Eur. J.</i> 2010 , <i>16</i> , 13850-13861
15	Cationic Iridium Dendrimers: Synthesis and Photophysical Properties	Du, B.; Yuan, S-C.; Pei, J.	<i>Aust. J. Chem.</i> 2011 , <i>64</i> , 1211-1220. (invited paper)
16	Covalent Functionalized Conjugated Dendrimers for Organic Light Emitting Diodes: Synthesis, Characterization, and the Deep Blue Electroluminescence	Zhou, Y.; Ding, L.; Xiang, L-M.; Pei, J.	<i>Aust. J. Chem.</i> 2011 , <i>64</i> , 160-165. (invited paper)
17	Phosphine oxide-functionalized polyfluorene derivatives: Synthesis, photophysics, electrochemical properties, and electroluminescence performance	Guo, Z.; Liu, D.; Wang, C.; Pei, J.; Zhou, Z.; Zhao, L.; Gibson, G.; Brug, J.; Lam, S.; Mao, S. S.	<i>Science China (Chemistry)</i> 2011 , <i>54</i> , 678-684
18	Microwires and microtwists from X-shaped conjugated molecules as low-loss, long distance photo waveguide materials	Lei, T.; Chen, H-B.; Yin, J.; Huang, S.; Zhu, X.; Pei, J.	<i>Org. Electron.</i> 2011 , <i>12</i> , 453-460
19	A novel bulk heterojunction solar cell based on a donor-acceptor conjugated triphenylamine dye	Liu, Q.; Jiang, K.; Guan, B.; Tang, Z.; Pei, J.; Song, Y.	<i>Chem. Commun.</i> 2011 , <i>47</i> , 740-742
20	A Piezochromic Luminescent Complex: Mechanical Force Induced Patterning with a High Contrast Ratio	Luo, J.; Li, L-Y.; Song, Y.; Pei, J.	<i>Chem. Eur. J.</i> 2011 , <i>17</i> , 10515-10519
21	Modifying organic/metal interface via solvent treatment to improve electron injection in organic light emitting diodes	Qing Wang, Q.; Zhou, Y.; Zheng, H.; Shi, J.; Li, C.; Su, C. Q.; Wang, L.; Luo, C.; Hua, D.; Pei, J.; Wang, J.; Peng, J.; Cao, Y.	<i>Org. Electron.</i> 2011 , <i>12</i> , 1858-1863. (IF: 3.262)
22	Highly conductive ink made of silver	Zheng, H.; Yuan, J.; Wang,	<i>J. Mater.</i>

	nanopolyhedrons through an ecofriendly solution process	L.; Peng, J.; Cao, Y.; Chen, H.-B.; Wang, J.; Pei, J.	<i>Res.</i> 2011 , <i>26</i> , 503-507.
23	Carbonylation of Metal Carbene with Carbon Monoxide: Generation of Ketene	Zhenhua Zhang, Yan Zhang, and Jianbo Wang*	<i>ACS Catalysis</i> 2011 , <i>1</i> , 1621-1630
24	Copper-Catalyzed C(sp ³)-C(sp ³) Bond Formation Using a Hypervalent Iodine Reagent: An Efficient Allylic Trifluoromethylation	Xi Wang, Yuxuan Ye, Songnan Zhang, Jiajie Feng, Yan Xu, Yan Zhang, and Jianbo Wang*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 16410-16413
25	Lewis Acid-Catalyzed Direct Cyanation of Indoles and Pyrroles with <i>N</i> -Cyano- <i>N</i> -Phenyl- <i>p</i> -Toluenesulfonamide (NCTS)	Yang Yang, Yan Zhang and Jianbo Wang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 5608-5611
26	Gold(III)-Catalyzed Direct Acetoxylation of Arenes with Iodobenzene Diacetate	Di Qiu, Zhitong Zheng, Fanyang Mo, Qing Xiao, Yu Tian, Yan Zhang and Jianbo Wang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 4988-4991
27	Expeditious Synthesis of Phenanthrenes via CuBr ₂ -Catalyzed Coupling of Terminal Alkynes and <i>N</i> -Tosylhydrazones derived from <i>O</i> -Formyl Biphenyls	Fei Ye, Yi Shi, Lei Zhou, Qing Xiao, Yan Zhang, Jianbo Wang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 5020-5023
28	Copper-Catalyzed Cascade Coupling/Cyclization of Terminal Alkynes with Diazoacetates: A Straightforward Route for Trisubstituted Furans	Lei Zhou, Jiachen Ma, Yan Zhang, and Jianbo Wang*	<i>Tetrahedron Lett.</i> 2011 , <i>52</i> , 5484-5487
29	Palladium-Catalyzed Cross-Coupling of Aryliodide with beta-Trimethylsiloxy alpha-Diazoesters: Novel Approach toward beta-Keto alpha-Arylestere	Zhibin Shu, Ji Zhang, Yan Zhang, and Jianbo Wang*	<i>Chem. Lett.</i> 2011 , <i>40</i> , 1009-1011
30	Sequential Au(I)-Catalyzed Reaction of Water with <i>o</i> -Acetylenyl- Substituted Phenyldiazoacetates	Lei Zhou, Yizhou Liu, Yan Zhang and Jianbo Wang*	<i>Beilstein J. Org. Chem.</i> 2011 , <i>7</i> , 631-637
31	Pd-catalyzed coupling of beta-hydroxy alpha-diazocarbonyl compounds with aryl iodides: a migratory insertion/b-hydroxy elimination sequence	Lei Zhou, Yizhou Liu, Yan Zhang and Jianbo Wang*	<i>Chem. Commun.</i> 2011 , <i>47</i> , 3622-3624
32	Pd-Catalyzed Carbonylation of Diazo Compounds at Atmospheric Pressure: A Catalytic Approach to Ketenes	Zhenhua Zhang, Yiyang Liu, Lin Ling, Yuxue Li, Yian Dong, Mingxing Gong, Xiaokun Zhao, Yan Zhang, and Jianbo Wang*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 4330-4341

33	Pd-Catalyzed Oxidative Cross-Coupling of <i>N</i> -Tosylhydrazones or Diazoesters with Terminal Alkynes: A New Route to Conjugated Enynes	Lei Zhou, Fei Ye, Jiachen Ma, Yan Zhang and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 3510-3514
34	Copper-Catalyzed Direct Benzoylation or Allylation of 1,3-Azoles with <i>N</i> -Tosylhydrazones	Xia Zhao, Guojiao Wu, Yan Zhang and Jianbo Wang*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 3296-3299
35	Ru(II)-Catalyzed Rearrangement of 2-Aryl-2-(phenylthio)penta-3,4-dienyl 2,2,2-trichloroacetimidate	Lingling Peng, Xiu Zhang, Jie Ma and Jianbo Wang*	<i>J. Organomet. Chem.</i> 2011 , <i>696</i> , 118-122
36	Catalytic Thia-Sommelet-Hauser Rearrangement: Application to the Synthesis of Indolin-2-ones	Yuye Li, Yi Shi, Zhongxing Huang, Xihu Wu, Pengfei Xu, Jianbo Wang* and Yan Zhang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 1210-1213
37	CuBr-Catalyzed Coupling of <i>N</i> -Tosylhydrazones and Terminal Alkynes: Synthesis of Benzofurans and Indoles	Lei Zhou, Yi Shi, Qing Xiao, Yizhou Liu, Fei Ye, Yan Zhang and Jianbo Wang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 968-971
38	Recent Development in Pd-Catalyzed Reaction of Diazo Compounds	Yan Zhang, Jianbo Wang*	<i>Eur. J. Org. Chem.</i> 2011 , 1015-1026
39	Coupling of <i>N</i> -Tosylhydrazones with Terminal Alkynes: Synthesis of Trisubstituted Allenes	Qing Xiao, Ying Xia, Huan Li, Yan Zhang and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 1114-1117
40	A Base-Free, One-Pot Diazotization/Cross-Coupling of Anilines with Arylboronic Acids	Fanyang Mo, Di Qiu, Yubo Jiang, Yan Zhang and Jianbo Wang*	<i>Tetrahedron Lett.</i> 2011 , <i>52</i> , 518-522
41	Total Syntheses of Drimane-Type Sesquiterpenoids Enabled by a Gold-Catalyzed Tandem Reaction	Hang Shi, Lichao Fang, Ceheng Tan, Lili Shi, Weibin Zhang, Chuangchuang Li*, Tuoping Luo*, and Zhen Yang*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 14944-14947
42	A Concise Approach for the Total Synthesis of Pseudolaric Acid A	Tao Xu, Chuangchuang Li, and Zhen Yang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 2630-2633
43	Asymmetric Total Synthesis and Structural Elucidation of NFAT-68	Lin Wang, Yuming Xi, Shouliang Yang, Rong Zhu, Yufan Liang, Jiahua Chen*, and Zhen Yang*	<i>Org. Lett.</i> 2011 , <i>13</i> , 74-77
44	Formal synthesis of Cortistatins	Lichao Fang, Yuan Chen, Jun Huang, Lianzhu Liu, Junmin Quan,	<i>J. Org. Chem.</i> 2011 , <i>76</i> , 2479-2487

		Chuangchuang Li, and Zhen Yang,*	
45	Pyridinyl Directed Alkenylation with Olefins via Rh(III)-Catalyzed C–C Bond Cleavage of Secondary Arylmethanols	Hu Li, Yang Li, Sha-Xi Zhang, Kang Chen, Xin Wang, Zhang-Jie Shi*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 15244-15247
46	Direct Arylation of Alkenes with Aryl Iodides/Bromides through an Organocatalytic Radical Process	Chang-Liang Sun, Yi-Fan Gu, Bin Wang, Zhang-Jie Shi Hu Li, Yang Li, Sha-Xi Zhang, Kang Chen, Xin Wang, Zhang-Jie Shi*	<i>Chem. Eur. J.</i> 2011 , <i>39</i> , 10844-10847
47	Neocuproine-KOtBu Promoted Intramolecular Cross Coupling to Approach Fused Rings	Chang-Liang Sun, Yi-Fan. Gu, Wei .Ping.Huang, Zhang-Jie Shi*	<i>Chem. Commun.</i> 2011 , <i>47</i> , 9813-9815
48	Mutual Activation: Suzuki-Miyaura Coupling through Direct Cleavage of the sp ² C-O Bond of Naphtholate	Da-Gang Yu, Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 7097-7100
49	Arylation of Alfa-Pivaloxyl Ketones with Arylboronic Reagents via Ni-Catalyzed sp ³ C-O Activation	Kun Huang, Gang Li, Wei-Ping Huang, Da-Gang Yu, Zhang-Jie Shi*	<i>Chem. Commun.</i> 2011 , <i>47</i> , 7224-7226
50	Direct Sequential C-O and C-C Formation via Double sp ² C-H Bond Activations to Construct 6H-Benzo[c]chromen-6-ones	Chang-Liang Sun, Jia Liu, Yang Wang, Xiao Zhou, Bi-Jie Li, Zhang-Jie Shi*	<i>Synlett.</i> 2011 , <i>7</i> , 883-886
51	Transition-Metal-Catalyzed C–C Bond Formation through the Fixation of Carbon Dioxide	Kun Huang, Chang-Liang Sun, Zhang-Jie Shi*	<i>Chem. Soc. Rev.</i> 2011 , <i>40</i> , 2435-2452
52	The Catalytic Ability of Various Transition Metals in the Direct Functionalization of Aromatic C-H Bonds	Hu Li, Chang-Liang Sun, Miao Yu, Da-Gang Yu, Bi-Jie Li, Zhang-Jie Shi*	<i>Chem. Eur. J.</i> 2011 , <i>16</i> , 3593-3597
53	Challenge and Progress: Palladium-Catalyzed sp ³ C-H Activation.	Hu Li, Bi-Jie Li, Zhang-Jie Shi*	<i>Catal. Sci Technol.</i> 2011 , <i>1</i> , 191-206
54	Rhodium-Catalyzed Direct Addition of Aryl C-H Bonds to N-Sulfonyl Aldimines	Yang Li, Bi-Jie Li, Wen-Hua Wang, Wei-Ping Huang, Sha-Xi Zhang, Kang Chen, Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 2115-2119
55	Activation of "Inert" Alkenyl/Aryl C-O Bond and Its Application in Cross-Coupling Reactions	Bi-Jie Li, Da-Gang Yu, Chang-Liang Sun, Zhang-Jie Shi*	<i>Chem. Eur. J.</i> 2011 , <i>17</i> , 1728-1759
56	Direct Cross-Coupling of C-H Bonds with Grignard Reagents through Cobalt Catalysis. Angew	Bin Li, Zhen-Hua Wu, Yi-Fan Gu, Chang-Liang Sun, Bi-Qin Wang, Zhang-Jie Shi*	<i>Chem. Int. Ed.</i> 2011 , <i>50</i> , 1109-1113
57	Ir-Catalyzed Highly Selective Addition of Pyridyl C–H Bonds to Aldehydes Promoted	Bi-Jie Li, Zhang-Jie Shi*	<i>Chem. Sci.</i> 2011 , <i>2</i> , 488-493

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58	Direct C-H Transformation via Iron Catalysis	Chang-Liang Sun, Bi-Jie Li, Zhang-Jie Shi*	<i>Chem. Rev.</i> 2011 , <i>111</i> , 1293-1314
59	New Strategy to Construct Fused/Bridged/Spiro Carbocyclic Scaffolds Based on the Design of Novel 6-C Synthons Precursor	Jia Liu, Xin Wang, Chang-Liang Sun, Bi-Jie Li, Min Wang, Zhang-Jie Shi*	<i>Org. Biomol. Chem.</i> 2011 , <i>9</i> , 1572-1577
60	Borylation of Aryl and Alkenyl Carbamates through Ni-Catalyzed C-O Activation	Kun Huang, Da-Gang Yu, Fang-Shu Zheng, Zhen-Hua Wu, Zhang-Jie Shi*	<i>Chem. Eur. J.</i> 2011 , <i>17</i> , 786-791
61	Palladium-Catalyzed Cross-Coupling of Polyfluoroarenes with Simple Arenes	Hu Li, Jia Liu, Chang-Liang Sun, Bi-Jie Li, Zhang-Jie Shi*	<i>Org. Lett.</i> 2011 , <i>13</i> , 276-279
62	Cross-coupling of Aryl/Alkenyl Silyl Ethers with Grignard Reagents through Nickel-catalyzed C-O Bond Activation	Fei Zhao, Da-Gang Yu, Ru-Yi Zhu, Zhen-Feng Xi, Zhang-Jie Shi	<i>Chem. Lett.</i> 2011 , <i>40</i> , 1001
63	Synthesis of benzothiophene derivatives from dilithio reagents, sulfur, and electrophiles via electrophilic cyclization	Zitao Wang, Weizhi Geng, Hanliu Wang, Shaoguang Zhang, Wen-Xiong Zhang, Zhenfeng Xi*	<i>Tetrahedron Lett.</i> 2011 , <i>52</i> , 6997-6999
64	One-Pot Synthesis and Unpredicted Hydrogen Bonds of the Guanidinium Triflates from Readily Available Amines, Carbodiimides, and Zn(OTf) ₂	Dongzhen Li, Yang Wang, Wen-Xiong Zhang*, Shaoguang Zhang, Jie Guang, Zhenfeng Xi*	<i>Organometallics</i> 2011 , <i>30</i> , 5278-5283
65	Procedure-Controlled Selective Synthesis of 5-Acyl-2-iminothiazolines and their Selenium and Tellurium Derivatives by Convergent Tandem Annulation	Yang Wang, Wen-Xiong Zhang,* Zitao Wang, Zhenfeng Xi*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 8122-8126
66	Opening the Silole Ring: Efficient and Specific Cleavage of the endo-C(sp ²)-Si Bond with AcOH/ROH System	Qian Luo, Chao Wang, Yuexing Li, Kunbing Ouyang, Li Gu, Masanobu Uchiyama, Zhenfeng Xi*	<i>Chem. Sci.</i> 2011 , <i>2</i> , 2271-2274
67	Zirconocene and Si-Tethered Dienes: A Happy Match Directed toward Organometallic Chemistry and Organic Synthesis	Wen-Xiong Zhang, Shaoguang Zhang, Zhenfeng Xi*	<i>Acc. Chem. Res.</i> 2011 , <i>44</i> , 541-551
68	Formation of Zirconocenes Containing Vinyl-imine and Keteniminate Species from Zirconacycles and Diphenylacetonitrile	Jing Zhao, Shaoguang Zhang, Wen-Xiong Zhang,* Zhenfeng Xi*	<i>Organometallics</i> 2011 , <i>30</i> , 3464-3467
69	Palladium-Catalyzed Synthesis of Benzosilolo[2,3-b]indoles via Cleavage of a C(sp ³)-Si Bond and Consequent Intramolecular C(sp ²)-Si Coupling	Yun Liang, Shaoguang Zhang, Zhenfeng Xi*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 9204-9207

70	Palladium-Catalyzed, One-Pot, Three-Component Approach to α -Alkynyl Indoles from <i>o</i> -Bromo-(2,2-dibromovinyl)benzenes, Terminal Alkynes and Arylamines	Yun Liang, Tianhao Meng, Hui-Jun Zhang, Zhenfeng Xi*	<i>Synlett</i> 2011 , 911-914
71	$\text{Ln}_4(\text{CH}_2)_4$ -Cubane-Type Rare-Earth Methylidene Complexes Consisting of “ $(\text{C}_5\text{Me}_4\text{SiMe}_3)\text{LnCH}_2$ ” Units (Ln = Tm, Lu)	Wen-Xiong Zhang, Zitao Wang, Masayoshi Nishiura, Zhenfeng Xi,* Zhaomin Hou*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 5712-5715
72	Iterative Dianion Relay Along the Ring: Formation of gem-Bis(trimethylsilyl) Cyclopentenones from 2,5-Bis(trimethylsilyl) Oxy-cyclopentadienyl Dianions and Acid Chlorides	Heng Li, Lantao Liu, Zitao Wang, Fei Zhao, Shaoguang Zhang, Wen-Xiong Zhang, Zhenfeng Xi*	<i>Chem. Eur. J.</i> 2011 , <i>17</i> , 7399-7403
73	Silyl-substituted 1,3-Butadienes for Diels–Alder Reaction, Ene Reaction and Allylation Reaction	Fei Zhao, Shaoguang Zhang, Zhenfeng Xi*	<i>Chem. Commun.</i> 2011 , <i>47</i> , 4348-4357
74	One-pot Synthesis of Pyrrolo[3,2-d]pyridazines and Pyrrole-2,3-diones via Zirconocene-mediated Four- component Coupling of Si-tethered Diyne, Nitriles and Azide	Shaoguang Zhang, Jing Zhao, Wen-Xiong Zhang, Zhenfeng Xi*	<i>Org. Lett.</i> 2011 , <i>13</i> , 1626-1629
75	One-Pot Selective Syntheses of 5-Azaindoles through Zirconocene- Mediated Multicomponent Reactions with Three Different Nitrile Components and One Alkyne Component	Shaoguang Zhang, Wen-Xiong Zhang, Jing Zhao, Zhenfeng Xi*	<i>Chem. Eur. J.</i> 2011 , <i>17</i> , 2442-2449
76	Facile One-Pot Construction of Polycyclic Frameworks using a Synergistic Diels–Alder Reaction, Ene Reaction, and Allylation Reaction Strategy	Dongzhen Li, Yang Cao, An Shi, Zhenfeng Xi*	<i>Chem. Asian J.</i> 2011 , <i>6</i> , 392-395
77	Cross-coupling of Aryl/Alkenyl Silyl Ethers with Grignard Reagents through Nickel-catalyzed CO Bond Activation	Fei Zhao, Da-Gang Yu, Ru-Yi Zhu, Zhenfeng Xi,* and Zhang-Jie Shi*	<i>Chem. Lett.</i> 2011 , <i>40</i> , 1001-1003.(合作)
78	Rh-Catalyzed [7+1] Cycloaddition of Buta-1,3-dienylcyclopropanes and CO for the Synthesis of Cyclooctadienones	Zhong-Ke Yao, Jianjun Li, and Zhi-Xiang Yu*	<i>Org. Lett.</i> 2011 , <i>13</i> , 134-137
79	TfOH-Catalyzed Tandem Cyclopropane Ring Enlargement/C-C Formation/ Etherification of Alkynylcyclopropanes and 1,3-Diketones to Cyclobutane-fused Dihydrofurans	Siyu Ye, and Zhi-Xiang Yu*	<i>Chem. Commun.</i> 2011 , <i>47</i> , 794-796
80	A DFT Study of the Mechanisms and Stereochemistry of the Rh(I)-Catalyzed	Lei Jiao, Mu Lin, and Zhi-Xiang Yu*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> ,

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81	Enantioselective Rhodium-Catalyzed Allylic C-H Activation for the Addition to Conjugated Dienes"	Qian Li and Zhi-Xiang Yu*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 2192-2195
82	a,b-Divinyl Tetrahydropyrroles as Chiral Chain Diene Ligands in Rhodium(I)-Catalyzed Enantioselective Conjugated Additions	Qian Li, Zhe Dong, and Zhi-Xiang Yu*	<i>Org. Lett.</i> 2011 , <i>13</i> , 1122-1125
83	Rh(I)-Catalyzed Formal [5+1]/[2+2+1] Cycloaddition of 1-Yne-vinyl- cyclopropanes and Two CO Units: One-Step Construction of Multifunctional Angular Tricyclic 5/5/6 Compounds	Mu Lin, Feng Li, Lei Jiao, and Zhi-Xiang Yu*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 1690-1693
84	Enantioselective total synthesis of (+)-asteriscanolide via Rh(I)-catalyzed [(5+2)+1] reaction	Yong Liang, Xing Jiang, and Zhi-Xiang Yu*	<i>Chem. Commun.</i> , 2011 , <i>47</i> , 6659-6661
85	Density Functional Theory Study of the Mechanism and Origins of Stereoselectivity in the Asymmetric Simmons-Smith Cyclopropanation with Charetté Chiral Dioxaborolane Ligand	Tao Wang, Yong Liang, and Zhi-Xiang Yu*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 9343-9353
86	Mechanisms of the Thermal Cyclotrimerizations of Fluoro- and Chloro-Acetylenes: DFT Investigation and Intermediate Trapping Experiments	Zhong-Ke Yao, and Zhi-Xiang Yu*	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 10864-10877
87	Highly Enantioselective Hydrogenation of Quinolines Using Phosphine-Free Chiral Cationic Ruthenium Catalysts. Scope, Mechanism, and Origin of Enantioselectivity	Tianli Wang, Lian-Gang Zhuo, Zhiwei Li, Fei Chen, Ziyuan Ding, Yanmei He, Qing-Hua Fan,* Junfeng Xiang, Zhi-Xiang Yu,* Albert S. C. Chan	<i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 9878-9891
88	Tunable Carbonyl Ylide Reactions: Selective Synthesis of Dihydrofurans and Dihydrobenzoxepines"	Jiao-Long Zhou, Yong Liang, Chao Deng, Haolai Zhou, Zheng Wang, Xiu-Li Sun, Jun-Cheng Zheng, Zhi-Xiang Yu*, and Yong Tang*	<i>Angew. Chem. Int. Ed.</i> 2011 , <i>50</i> , 7874-7878
89	Star-shaped polymers for DNA sequencing by capillary electrophoresis	Fan Gao, Cai Tie, Xin-Xiang Zhang*, Zhiqiang Niu, Xiaojin He, Yuguo Ma*	<i>Journal of Chromatography A.</i> 2011 , <i>1218</i> , 3037-3041
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