

## 2012 年发表论文目录

序号	论文题目	作者	期刊及年卷期
1	Head-to-Tail and Back-to-Back Dimerization of an Open-Cage Fullerene Derivative through $\pi$ - $\pi$ Interaction-Based Self-Assembly	Shuming Liu, Qianyan Zhang, Yuming Yu, and Liangbing Gan *	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 4002-4005
2	Fullerene Doping: Preparation of Azafullerene C <sub>59</sub> NH and Oxafulleroids C <sub>59</sub> O <sub>3</sub> and C <sub>60</sub> O <sub>4</sub>	Nana Xin, Huan Huang, Jianxin Zhang, Zhifei Dai, and Liangbing Gan, *	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 6163-6166
3	Facile preparation of fullereryl boronic esters	Zhifei Da, Zhongping Jiang, Gang Zhang, Nana Xin, Liangbing Gan, *	<i>Tetrahedron</i> , <b>2012</b> , <i>68</i> , 5193-5196
4	Selective Synthesis of Fulleranol Derivatives with Terminal Alkyne and Crown Ether Addends	Huan Huang, Gang Zhang, Sisi Liang, Nana Xin, and Liangbing Gan, *	<i>J. Org. Chem.</i> , <b>2012</b> , <i>77</i> , 2456-2462
5	Synthesis of decahydropyrrolo[2,1,5-cd]indolizine derivatives through RuCl <sub>3</sub> /AgOTf induced alkene-alkene and alkene-arene double cycloisomerizations	Peipei Cui, Liang Xu, Hao Cheng, Liangbing Gan, *	<i>Tetrahedron</i> , <b>2012</b> , <i>68</i> (1), 152-158
6	Synthesis of a green [60]fullerene derivative through cage-opening reactions * Yuliang Li	Shuming Liu, Changqi Zhang, Xiang Xie, Yuming Yu, Zhifei Dai, Yuanhua Shao, Liangbing Gan,	<i>Chem. Commun.</i> , <b>2012</b> , <i>48</i> , 2531-2533.
7	A Non-Fullerene Small Molecule as Efficient Electron Acceptor in Organic Bulk Heterojunction Solar Cells	Zhou, Y.; Ding, L.; Shi, K.; Dai, Y.-Z.; Ai, N.; Wang, J.; Pei, J.*	<i>Adv. Mater.</i> <b>2012</b> , <i>24</i> , 957-961.
8	Influence of Alkyl Chain Branching Positions on the Hole Mobilities of Polymer Thin-Film Transistors	Lei, T.; Dou, J.-H.; Pei, J.*	<i>Adv. Mater.</i> <b>2012</b> , <i>24</i> , 6457-6461.
9	Ambipolar Polymer Field-Effect Transistors Based on Fluorinated Isoindigo: High Performance and Improved Ambient Stability	Lei, T.; Dou, J.-H.; Ma, Z.-J.; Yao, C.-H.; Liu, C.-J.; Wang, J.-Y.; Pei, J.*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , <i>134</i> , 20025-20028.
10	Supramolecular Polymeric Nanowires: Preparation and Orthogonal Modification of Their Photophysical Properties	Lei, T.; Cheng, C.-Y.; Guo, Z.-H.; Zheng, C.; Zhou, Y.; Liang, D.; Pei, J.*	<i>J. Mater. Chem.</i> <b>2012</b> , <i>22</i> , 4306-4311.
11	Solution-processed Organic Nano-	Lei, T.; Pei, J.*	<i>J. Mater.</i>

	and Micro-materials: Design Strategy, Growth Mechanism and Applications		<i>Chem.</i> <b>2012</b> , 22, 785-798.
12	Alkylene-Chain Effect on Microwire Growth and Crystal Packing of $\pi$ -Moieties	Ding, L.; Li, H.-B.; Lei, T.; Ying, H.-Z.; Wang, R.-B.; Zhou, Y.; Su, Z.-M.; Pei, J.*	<i>Chem. Mater.</i> <b>2012</b> , 24, 1944-1949.
13	Systematic Investigation of Isoindigo-Based Polymeric Field-Effect Transistors: Design Strategy and Impact of Polymer Symmetry and Backbone Curvature	Lei, T.; Cao, Y.; Zhou, X.; Peng, Y.; Bian, J.; Pei, J.*	<i>Chem. Mater.</i> <b>2012</b> , 24, 1762-1770.
14	How Does a Supramolecular Polymeric Nanowire Form in Solution?	Lei, T.; Guo, Z.-H.; Zheng, C.; Cao, Y.; Liang, D.; Pei, J.*	<i>Chem. Sci.</i> <b>2012</b> , 3, 1162-1168.
15	$\pi$ -Conjugated Molecular Heterojunctions with Multi[60]fullerene: Photophysical, Electrochemical, and Photovoltaic properties	Wang, J.-L.; He, Z.; Wu, H.; Cao, Y.; Pei, J.*	<i>New J. Chem.</i> <b>2012</b> , 36, 1583-1588.
16	Energy Transfer and Concentration-Dependent Conformational Modulation: A Porphyrin-Containing [3]Rotaxane	Wang, X.-Y.; Han, J.-M.; Pei, J.*	<i>Chem. Asian. J.</i> <b>2012</b> , 7, 2429-2437.
17	Main-chain Hyperbranched Polyrotaxane: Synthesis, Photophysical Properties, and Energy Funnel	Han, J.-M.; Wang, X.-Y.; Zhang, Y.-H.; Liu, C.; Pei, J.*	<i>Polymer</i> <b>2012</b> , 53, 3704-3711.
18	Highly sensitive detection of nitroaromatic explosives using an electrospun nanofibrous sensor based on a novel fluorescent conjugated polymer	Long, Y.; Chen, H.-B.; Wang, H.; Peng, Z.; Yang, Y.; Zhang, G.; Li, N.; Liu, F.; Pei, J.	<i>Anal. Chim. ACTA</i> <b>2012</b> , 744, 82-91.
19	A photoconductive charge-transfer crystal with mixed-stacking donor-acceptor heterojunctions within the lattice	Yu, W.; Wang, X.-Y.; Li, J.; Li, Z.-T.; Yan, Y.-K.; Wang, W.; Pei, J.	<i>Chem. Commun.</i> <b>2012</b> , 49, 54-56.
20	Auto-Tandem Catalysis: Synthesis of Acridines by Pd-Catalyzed C=C Bond Formation and C(sp <sup>2</sup> )-N Cross-Coupling	Zhongxing Huang, Yang Yang, Qing Xiao, Yan Zhang and Jianbo Wang*	<i>Eur. J. Org. Chem.</i> <b>2012</b> , 6586-6593.
21	Transition-Metal-Free Electrophilic Amination of Arylboroxines	Qing Xiao, Leiming Tian, Renchang Tan, Ying Xia, Di Qiu, Yan Zhang and Jianbo Wang*	<i>Org. Lett.</i> <b>2012</b> , 14, 4230-4233.

22	Recent Developments in Copper-Catalyzed Reactions of Diazo Compounds	Xia Zhao, Yan Zhang and Jianbo Wang*	<i>Chem. Commun.</i> <b>2012</b> , 48, 10162-10173.
23	Recent Development of Trifluoromethylation through Trifluoromethyl Radical	Xi Wang, Yan Zhang and Jianbo Wang*	<i>Scientia Sinica</i> <b>2012</b> , 42, 1417-1427.
24	Rh(II)-Catalyzed Cyclization of Bis- <i>N</i> -tosylhydrazones: An Efficient Approach toward Polycyclic Aromatic Compounds	Ying Xia, Zhenxing Liu, Qing Xiao, Peiyuan Qu, Rui Ge, Yan Zhang and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , 51, 5714-5717.
25	Rh(II)-Catalyzed [2,3]-Sigmatropic Rearrangement of Sulfur Ylides derived from <i>N</i> -Tosylhydrazones and Sulfides	Yuye Li, Zhongxing Huang, Xihu Wu, Peng-Fei Xu,* Jing Jin, Yan Zhang, and Jianbo Wang*	<i>Tetrahedron</i> <b>2012</b> , 68, 5234-5240.
26	C(sp)-C(sp <sup>3</sup> ) Bond Formation through Cu-Catalyzed Cross-Coupling of <i>N</i> -Tosylhydrazones and Trialkylsilylalkynes	Fei Ye, Xiaoshen Ma, Qing Xiao, Huan Li, Yan Zhang and Jianbo Wang*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , 134, 5742-5745.
27	Transition Metal-Free Synthesis of Pinacol Alkylboronates from Tosylhydrazones	Huan Li, Long Wang, Yan Zhang and Jianbo Wang*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , 51, 2943-2946.
28	Cyclopropylcarbonylpalladium Species from Carbene Migratory Insertion: New Routes to 1,3-Butadienes	Lei Zhou, Fei Ye, Yan Zhang and Jianbo Wang*	<i>Org. Lett.</i> <b>2012</b> , 14, 922-925.
29	Studies Toward the Synthesis of ( <i>R</i> )-(+)-Harmicine	Fanyang Mo, Fei Li, Di Qiu, Yan Zhang and Jianbo Wang*	<i>Chin. J. Chem.</i> <b>2012</b> , 30, 2297-2302.
30	Studies on the Reactivity of Migrating Group in [2,3]-Sigmatropic Rearrangement of Sulfur Ylides	Yuye Li, Zhongxing Huang, Peng-Fei Xu, Yan Zhang, Jianbo Wang*	<i>Acta Chimica Sinica</i> <b>2012</b> , 70, 2024-2028.
31	Catalyst-Free Imidation of Allyl Sulfides with Chloramine-T and Subsequent [2,3]-Sigmatropic Rearrangement	Yubo Jiang, Fanyang Mo, Di Qiu, Chunxiang Kuang, Yan Zhang and Jianbo Wang	<i>Chin. J. Chem.</i> <b>2012</b> , 30, 2029-2035.
32	Diastereoselective Total Synthesis of (±)-Schindilactone A, Part 1: Construction of the ABC and FGH Ring Systems and Initial Attempts to Construct the CDEF Ring System	Tianwen Sun, Weiwu Ren, Qing Xiao, Yefeng Tang, Yandong Zhang, Yong Li, Fanke Meng Yifan Liu, Mingzhe Zhao, Lingmin Xu, Jiahua Chen,* and Zhen Yang*	<i>Chem. Asian J.</i> <b>2012</b> , 7, 2321-2333

33	Diastereoselective Total Synthesis of (±)-Schindilactone A, Part 2: Construction of the Fully Functionalized CDEFGH Ring System	Yong Li, Zhixing Chen, Qing Xiao, Qinda Ye, Tianwen Sun, Fanke Meng, Weiwu Ren, Lin You, Lingmin Xu, Yuefan Wang, Jiahua Chen,* and Zhen Yang*	<i>Chem. Asian J.</i> <b>2012</b> , <i>7</i> , 2334-2340
34	Diastereoselective Total Synthesis of (±)-Schindilactone A, Part 3: The Final Phase and Completion	Weiwu Ren, Zhixing Chen, Qing Xiao, Yong Li, Tianwen Sun, Ziyang Zhang, Qinda Ye, Fanke Meng, Lin You, Mingzhe Zhao, Lingmin Xu, Yefeng Tang,* Jiahua Chen,* and Zhen Yang*	<i>Chem. Asian J.</i> <b>2012</b> , <i>7</i> , 2341-2350
35	CoBr <sub>2</sub> -TMTU-zinc catalysed-Pauson-Khand reaction	Yuefan Wang, Lingmin Xu, Ruocheng Yu, Jiahua Chen* and Zhen Yang*	<i>Chem. Commun.</i> , <b>2012</b> , <i>48</i> , 8183-8185
36	Total Synthesis of ((±)-Decinine via an Oxidative Biaryl Coupling with Defined Axial Chirality	Zhenhua Shan, Ji Liu, Lingmin Xu, Yefeng Tang,* Jiahua Chen,* and Zhen Yang*	<i>Org. Lett.</i> , <b>2012</b> , <i>14</i> , 3712-3715
37	Enantioselective and Collective Syntheses of Xanthanolides Involving a Controllable Dyotropic Rearrangement of <i>cis</i> -β-Lactones	Weiwu Ren, Yichao Bian, Ziyang Zhang, Hai Shang, Pengtao Zhang, Yuejie Chen, Zhen Yang*, Tuoping Luo, and Yefeng Tang	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 6984
38	Total Synthesis of (±)-Pentalenolactone A Methyl Ester	Qi Liu, Guozong Yue, Na Wu, Guang Lin, Yuanzhen Li, Junmin Quan, Chuangchuang Li, Guoxin Wang, Zhen Yang*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 12072.
39	Synthesizing the Tetracyclic Core of Nanolobatolide	Le Chang, Hao Jiang, Junkai Fu, Bin Liu, Chuangchuang Li, Zhen Yang*	<i>J. Org. Chem.</i> <b>2012</b> , <i>77</i> , 3609-3614
40	Reductant-directed formation of PS-PAMAM-supported gold nanoparticles for use as highly active and recyclable catalysts for the aerobic oxidation of alcohols and the homocoupling of phenylboronic acids	Jie Zheng, Shuo Lin, Xiang Zhu, Biwang Jiang, Zhen Yang*, Zhengying Pan	<i>Chem. Comm.</i> <b>2012</b> , <i>48</i> , 6235-6237
41	Palladium-catalyzed Cyclisation of Electron-deficient Aromatic Enynes	Na Wu, A. Messinis, A. S. Batsanov, Zhen Yang*, A.	<i>Chem. Comm.</i> <b>2012</b> , <i>48</i> , 9986-9988

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42	Synthesis and characterization of Sant-75 derivatives as Hedgehog-pathway inhibitors	Chao Che, Song Li, Bo Yang, Shengchang Xin, Zhixiong Yu, Taofeng Shan, Chuanye Tao, Shuo Lin, Zhen Yang*	<i>Beilstein J. Org. Chem.</i> <b>2012</b> , <i>8</i> , 841-849
43	One Stone Two Birds: Construction of Polysubstituted Benzenes from the Same Starting Material and Precatalyst by Switching the Active Sites of Catalyst with Different Additives.	Chun Feng, Xin Wang, Bi-Qing Wang, Ke-Qing Zhao, Ping Hu, Zhang-Jie Shi*	<i>Chem. Commun.</i> <b>2012</b> , <i>48</i> , 356-358.
44	N-Directing Group Assisted Rhodium-Catalyzed Aryl C–H Addition to Aryl Aldehydes	Yang Li, Xi-Sha Zhang, Kang Chen, Ke-Han He, Fei Pan, Bi-Jie Li; Zhang-Jie Shi*	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 636-639.
45	Mechanistic Understanding on Rh-Catalyzed N-Sulfonylaldimines Insertion to Aryl C-H Bonds	Zhi-Quan Lei, Hu Li, Yang Li, Xi-Sha Zhang, Kang Chen, Xin Wang, Jian Sun; Zhang-Jie Shi*	<i>Chem. Sci.</i> <b>2012</b> , <i>3</i> , 1634-1639.
46	Direct Oxidative Arylation via Rhodium-Catalyzed C–C Bond Cleavage of Secondary Alcohols with Arylsilanes.	Kang Chen, Hu Li, Yang Li, Xi-Sha Zhang, Zhi-Quan Lei; Zhang-Jie Shi*	<i>Chem. Sci.</i> <b>2012</b> , <i>3</i> , 1645-1649.
47	Rhodium/Copper-Catalyzed Annulation of Benzimides with Internal Alkynes: Indenone Synthesis through Sequential C-H and C-N Cleavage.	Bi-Jie Li, Hao-Yuan Wang, Qi-Lei Zhu; Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 3948–3952.
48	Straightforward synthesis of phenanthrenes from styrenes and arenes.	Hu Li, Ke-Han He, J. Liu, Bi-Qing Wang, K.-Q. Zhao, Zhang-Jie Shi*	<i>Chem. Commun.</i> <b>2012</b> , <i>48</i> , 7028-7030.
49	Mechanistic Insight into the Regioselective Palladation of Indole Derivatives: Tetranuclear Indolyl Palladacycles with High C2–Pd or C3–Pd Bond Selectivity	Yang Li, Wen-Hua Wang, Ke-Han He, Zhang-Jie Shi*	<i>Organometallics</i> <b>2012</b> , <i>31</i> , 4397-4400.
50	Challenges in C–C bond formation through direct transformations of sp <sup>2</sup> C–H bonds	Da-Gang Yu, Bi-Jie Li, Zhang-Jie Shi*	<i>Tetrahedron</i> <b>2012</b> , <i>68</i> , 5130-5136
51	Olefinic C–H Bond Addition to Aryl Aldehyde and Its N-Sulfonylimine via Rh Catalysis	Yang Li, Xi-Sha Zhang, Qi-Lei Zhu, Zhang-Jie Shi*	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 4498-4501

52	Direct Arylation/Alkylation/Magnesiumation of Benzyl Alcohols in the Presence of Grignard Reagents via Ni-, Fe-, or Co-Catalyzed sp <sup>3</sup> C–O Bond Activation	Da-Gang Yu, XinWang, RuYiZhu, Shuang Luo, X.-B. Zhang, Bi-Qin Wang, Zhang-Jie Shi*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , <i>134</i> , 14638–14641.
53	Reductive Cleavage of the Csp <sup>2</sup> -Csp <sup>3</sup> Bond of Secondary Benzyl Alcohols: Rhodium Catalysis Directed by N-Containing Groups	Kang Chen, Hu Li, Zhi-Quan Lei, Yang Li, Wen-Huae, LiSheng Zhang, Jian Sun, Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 9851–9855.
54	Synthesis of Fluorenone Derivatives through Pd-Catalyzed Dehydrogenative Cyclization	Hu Li, Ru-Yi Zhu, Wen-Juan Shi, Ke-Han He, Zhang-Jie Shi*	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 4850–4853.
55	From C(sp <sup>2</sup> )–H to C(sp <sup>3</sup> )–H: systematic studies on transition metal-catalyzed oxidative C–C formation	Bi-Jie Li, Zhang-Jie Shi*	<i>Chem. Soc. Rev.</i> <b>2012</b> , <i>41</i> , 5588–5598
56	Rh-Catalyzed C-C Cleavage of Benzyl/Allylic Alcohols to Produce Benzyl/Allylic Amines or other Alcohols by Nucleophilic Addition of Intermediate Rhodacycles to Aldehydes and Imines	Xi-Sha Zhang, Yang Li, Hu Li, Kang Chen, Zhi-Quan Lei, Zhang-Jie Shi*	<i>Chem. Eur. J.</i> <b>2012</b> , <i>18</i> , 16214–16225
57	<b>Palladium-Catalyzed Trifluoromethylation of Aromatic C–H bond Directed by an Acetamino Group</b>	<b>Li-Sheng Zhang, Kang Chen, Gui-Hua Chen, Bi-Jie Li, Shuang Luo, Q.-Y. Guo, J.-B. Wei, Zhang-Jie Shi*</b>	<b><i>Org. Lett.</i> <b>2012</b>, ASAP</b>
58	Extrusion of CO from Aryl Ketones: Rhodium(I)-Catalyzed C-C Bond Cleavage Directed by a Pyridine Group	Zhi-Quan Lei, Hu Li, Yang Li, Xi-Sha Zhang, Kang Chen, Xin Wang, Jian Sun; Zhang-Jie Shi*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 2690–2694.
59	Cyclopentadiene-Phosphine/Palladium Catalyzed Cleavage of C-N Bonds in Secondary Amines: Synthesis of Pyrrole and Indole Derivatives from Secondary Amines and Alkenyl or Aryldibromides	Weizhi Geng, Wen-Xiong Zhang, Wei Hao, Zhenfeng Xi*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , <i>134</i> , 20230–20233.
60	Regioselective Ring Expansion of 2,4-Diiminoazetidines via Cleavage of C–N and C(sp <sup>3</sup> )–H bonds: Efficient Construction of 2,3-Dihydropyrimidinesulfonamides	Yang Wang, Yue Chi, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , <i>134</i> , 2926–2929.
61	2,6-Diazasemibullvalenes:	Shaoguang Zhang, Junnian	<i>J. Am. Chem. Soc.</i>

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62	Palladium-Catalyzed Intermolecular Coupling of 2-Silylaryl Bromides with Alkynes: Synthesis of Benzosiloles and Heteroarene-Fused Siloles by Catalytic Cleavage of the C(sp <sup>3</sup> )-Si Bond	Yun Liang, Weizhi Geng, Junnian Wei Zhenfeng Xi*	<i>Angew. Chem. Int. Ed.</i> <b>2012</b> , <i>51</i> , 1934–1937.
63	Rare-Earth Metal Tris(trimethylsilylmethyl) Anionic Complexes Bearing One 1-Phenyl-2,3,4,5-tetrapropylcyclopentadienyl Ligand: Synthesis, Structural Characterization and Application	Ling Xu, Zitao Wang, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Inorg. Chem.</i> <b>2012</b> , <i>51</i> , 11941–11948.
64	Reactivity of Seven-membered Azazirconacycloallenes and Four-membered Zirconacycles towards Diphenylacetonitrile	Jing Zhao, Shaoguang Zhang, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Organometallics</i> <b>2012</b> , <i>31</i> , 8370–8374.
65	1,3-Butadienylzinc trimer Formed via Transmetalation from 1,4-Dilithio-1,3-butadienes: Synthesis, Structural Characterization and Application in Negishi Cross-Coupling	Yi Zhou, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Organometallics</i> <b>2012</b> , <i>31</i> , 5546–5550.
66	Construction of Benzosiloles, Six- and Eight-Membered Silacyclic Skeletons, via a Pd-Catalyzed Intramolecular Mizoroki-Heck Reaction of Vinylsilanes	Kunbing Ouyang, Yun Liang, Zhenfeng Xi*	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 4572–4575.
67	Carbonylation of 1-Lithiobutadiene with Carbon Monoxide Followed by Intramolecular Acyllithiation of C=C Double Bond and Intermolecular Acylation with Acid Chloride: Scope, Applications and Mechanistic Aspects	Heng Li, Lantao Liu, Fei Zhao, Congyang Wang, Chao Wang, Qiuling Song, Wen-Xiong Zhang, and Zhenfeng Xi.*	<i>J. Org. Chem.</i> <b>2012</b> , <i>77</i> , 4793–4800.
68	Palladium-catalyzed silyl C(sp <sup>3</sup> )-H bond activation	Yun Liang, Weizhi Geng, Junnian Wei, Kunbing Ouyang, Zhenfeng Xi*	<i>Org. Biomol. Chem.</i> <b>2012</b> , <i>10</i> , 1537–1542.
69	Metal-free Synthesis of Cyclic Di-oxoguanidines via One-pot Sequential Transformation of	Fei Zhao, Yang Wang, Wen-Xiong Zhang,* and Zhenfeng Xi*	<i>Org. Biomol. Chem.</i> <b>2012</b> , <i>10</i> , 6266–6270.

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70	Pd-Catalyzed Intermolecular Tandem Reaction of gem-Dibromoenynes with Anilines: A One-Pot Synthesis of Quinolines and Quinolinones	Tianhao Meng, Wen-Xiong Zhang, Hui-Jun Zhang, Yun Liang, and Zhenfeng Xi*	<i>Synthesis</i> <b>2012</b> , <i>44</i> , 2754–2762.
71	Synthesis of gem-dihaloenynes and butatrienes from gem-dihalovinyl derivatives	Tianhao Meng, Hui-Jun Zhang, Yun Liang, and Zhenfeng Xi*	<i>Tetrahedron</i> <b>2012</b> , <i>53</i> , 4555–4557.
72	Synthesis Benzothieno[2,3-b]thiophenes, [2,3-b:3',2'-d]-dithienothiophenes and Their Selenium Derivatives via Electrophilic Cyclization and McMurry Cyclization	Weizhi Geng, Hanliu Wang, Zitao Wang, Shaoguang Zhang, Wen-Xiong Zhang, and Zhenfeng Xi*	<i>Tetrahedron</i> <b>2012</b> , <i>68</i> , 5283–5289.
73	Asymmetric Rh(I)-Catalyzed Intramolecular [3+2] Cycloaddition of 1-Yne-Vinylcyclopropanes for Bicyclo[3.3.0] Compounds with a Chiral Quaternary Carbon Stereocenter and Density Functional Theory Study of the Origins of Enantioselectivity	Mu Lin, Guan-Yu Kang, Yi-An Guo, and Zhi-Xiang Yu*	<i>J. Am. Chem. Soc.</i> <b>2012</b> , <i>134</i> , 398.
74	Total Synthesis of (+)-Asteriscanolide: Further Exploration of Rh(I)-Catalyzed [(5+2)+1] Reaction of Ene-vinylcyclopropanes and CO	Yong Liang, Xing Jiang, Xu-Fei Fu, Siyu Ye, Jie Yuan, Yuanyuan Wang, and Zhi-Xiang Yu*	<i>Chem. Asian J.</i> <b>2012</b> , <i>7</i> , 593.
75	Rh(I)-Catalyzed [5 + 1] Cycloaddition of Vinylcyclopropanes and CO for the Synthesis of $\alpha,\beta$ - and $\beta,\gamma$ -Cyclohexenones	Guo-Jie Jiang, Xu-Fei Fu, Qian Li, and Zhi-Xiang Yu*	<i>Org. Lett.</i> <b>2012</b> , <i>14</i> , 692.
76	Density Functional Theory Study of the Mechanism of the Rh(I)-Catalyzed Conjugated Diene Assisted Allylic C–H Bond Activation and Addition to Alkene Using Ene-2-Dienes as Substrates	Qian Li, and Zhi-Xiang Yu*	<i>Organometallics</i> , <b>2012</b> , <i>31</i> , 5185.
77	DFT and Experimental Exploration of the Mechanism of InCl <sub>3</sub> -Catalyzed Type II Cycloisomerization of 1,6-Enynes:	Lian-Gang Zhuo, Ji-Ji Zhang, and Zhi-Xiang Yu*	<i>J. Org. Chem.</i> , <b>2012</b> , <i>77</i> , 8527.



	Identifying InCl <sub>2</sub> <sup>+</sup> as the Catalytic Species and Answering Why Nonconjugated Dienes Are Generated		
78	A Frontier Molecular Orbital Theory Approach to Understanding the Mayr Equation and to Quantifying Nucleophilicity and Electrophilicity by Using HOMO and LUMO Energies	Lian-Gang Zhuo, Wei Liao, and Zhi-Xiang Yu*	<i>Asian J. Org. Chem.</i> , <b>2012</b> , <i>1</i> , 336.
79	Cocaine detection by structure-switch aptamer-based capillary zone electrophoresis	Qin-Pei Deng, Cai Tie, Ying-Lin Zhou, Xin-Xiang Zhang*	<i>Electrophoresis</i> <b>2012</b> , <i>33</i> , 1465-1470.
80	Study of the electrical connection mechanism of sheathless interface for capillary electrophoresis electrospray ionization-mass spectrometry	Cai Tie, De-Wen Zhang, Hong-Xu Chen, Sen-Lin Song, Xin-Xiang Zhang*	<i>J. Mass Spectrom.</i> <b>2012</b> , <i>47</i> , 1429-1434.
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