

<b><u>基本信息</u></b>	
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职务	
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<b><u>教育背景</u></b>	
2010.09-2014.03	巴塞罗那自治大学（西班牙），有机化学专业，理学博士
2007.09-2010.07	中国人民大学，物理化学专业，理学硕士
2002.09-2006.07	兰州大学，化学专业，理学学士
<b><u>工作经历</u></b>	
2017.07-至今	北京理工大学化学与化工学院，预聘助理教授
2014.08-2017.07	中国科学院化学研究所，有机固体重点实验室，博士后
2006.07-2007.09	中国科学院化学研究所，高分子物理与化学重点实验室，实验员
<b><u>研究方向</u></b>	
1.	氧合团簇有机骨架材料的合成
2.	氧合团簇有机骨架材料的有机方法学研究
<b><u>承担项目</u></b>	
1.	青年教师学术启动计划，2017年7月-2020年7月，主持，40万元
2.	国家自然科学基金青年科学基金项目，2019.01-2021.12，主持，26万元
<b><u>研究成果</u></b>	
<p>以氧合团簇为基本构筑单元，构建氧合团簇有机骨架材料，并将其应用于有机方法学研究。主持国家自然科学基金项目1项。迄今在国内外学术刊</p>	

物及会议上发表学术论文 20 篇，其中 SCI 收录 20 篇。

### 代表性论文

1	Zhao-Min Su, Qingqing An, Xiaomei Xu, Niu Zhang, Lixia Bao, Zhiyu Jia,* and Guo-Yu Yang,* Synthesis of Two New Ni <sub>12</sub> -Cluster Substituted Sandwiched Phosphotungstates Organic-Cluster and their Magnetic Property. <i>Eur. J. Inorg. Chem.</i> , <b>2021</b> , 2718-2723.
2	Hao Chen, Le Liu, Min Zhao, Guo-Hao Zhang, Chengjie Zhao, Tonggang Jiu,* Zhiyu Jia,* and Guo-Hong Tao*, Interfacial Carrier-Transfer Channel Optimization Based on Hydrogen Bonds for High-Performance Organic Solar Cells. <i>ACS Appl. Energy Mater.</i> , <b>2021</b> , 4, 3881.
3	Lili Yao, Min Zhao, Le Liu, Siqi Chen, Jin Wang, Chengjie Zhao, Zhiyu Jia,* Shuping Pang, Xin Guo and Tonggang Jiu*, Graphdiyne oxide doped SnO <sub>2</sub> electron transport layer for high performance perovskite solar cells. <i>Mater. Chem. Frontier</i> , 2021, 10.1039/D1QM00592H.
4	Zhao-Min Su, Mo Zhang, Qingqing An, Dan Qin, Hai-Lou Li, Hongjin Lv, <b>Zhiyu Jia</b> ,* Qiang Zhang* and Guo-Yu Yang, Synthesis of two new copper-sandwiched polyoxotungstates and the influence of nuclear number on catalytic hydrogen evolution activity. <i>New J. Chem.</i> , <b>2020</b> , 44, 11035.
5	Wen-Fang Liu, Qi-Ming Qiu, Mo Zhang, Zhao-Min Su, Qingqing An, Hongjin Lv, <b>Zhiyu Jia</b> * and Guo-Yu Yang, Two New Cu-Based Borates Catalyst with Cubic Supramolecular Cages for Efficient Catalytic Hydrogen Evolution. <i>Dalton Trans.</i> , <b>2020</b> , 49, 10156.
6	Hong-Yan Wang, Rong Hu, You-Jia Lei, <b>Zhiyu Jia</b> , Gui-Lin Hu, Cheng-Bo Li, Quan Gu. Highly efficient and selective photocatalytic CO <sub>2</sub> reduction based on water-soluble CdS QDs modified by the mixed ligands in one pot. <i>Catal. Sci. Technol.</i> , <b>2020</b> , 10, 2821.
7	Yuhan Li, Libo Zhang, Zongjie Sun, Guoxin Gao, Shiyao Lu, Min Zhu, Yanfeng Zhang, <b>Zhiyu Jia</b> , Chunhui Xiao, Huaitian Bu, Kai Xi, Shujiang Ding. Hexagonal boron nitride induces anion trapping in a polyethylene oxide based solid polymer electrolyte for lithium dendrite inhibition. <i>J. Mater. Chem. A</i> , <b>2020</b> , 8, 9579.
8	Wen-Fang Liu, Zhao-Min Su, <b>Zhiyu Jia</b> *, Guo-Yu Yang, Syntheses, Structures and Characterizations of Two New Polyborates Containing Heptaborate Sub-clusters. <i>J. Clust. Sci.</i> <b>2019</b> , 30, 1139.
9	Qingmei Tian, Yangyang Zhang, <b>Zhiyu Jia</b> *, Qiang Zhang*, Synthesis and hard water resistance mechanism of polycarboxylate dispersant for pesticide water dispersible granules. <i>J. Disper. Sci. Technol.</i> , <b>2019</b> , 1532.
10	Albert Granados, Zhiyu Jia, Marc del Olmo, and Adelina Vallribera*, In situ Generation of Hypervalent Iodine Reagents for the Electrophilic Chlorination of Arenes. <i>Eur. J. Org. Chem.</i> , <b>2019</b> , 2812.
11	Yurui Xue, Bolong Huang, Yuanping Yi, Yuan Guo, Zicheng Zuo, Yongjun Li, <b>Zhiyu Jia</b> , Huibiao Liu, Yuliang Li*, Anchoring zero valence single

	atoms of nickel and iron on graphdiyne for hydrogen evolution. <i>Nat. Commun.</i> , <b>2018</b> , 9, 1460.
12	<b>Zhiyu Jia</b> , Yongjun Li, Zicheng Zuo, Huibiao Liu*, Changshui Huang, Yuliang Li*, Synthesis and Properties of 2D Carbon-Graphdiyne. <i>Acc. Chem. Res.</i> <b>2017</b> , 50, 2470.
13	<b>Zhiyu Jia</b> , Zicheng Zuo*, Yuanping Yi, Huibiao Liu, Dan Li, Yongjun Li*, Yuliang Li*, Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. <i>Nano Energy</i> , <b>2017</b> , 33, 343.
14	<b>Zhiyu Jia</b> , Yongjun Li, Zicheng Zuo, Huibiao Liu, Dan Li, Yuliang Li*, Fabrication and Electroproperties of Nanoribbons: Carbon Ene-Yne. <i>Adv. Electron. Mater.</i> , <b>2017</b> , 1700133.
15	<b>Zhiyu Jia</b> , Tonggang Jiu, Yongjun Li, Yuliang Li*, New method for the synthesis of a highly-conjugated acene material and its application in Perovskite solar cells. <i>Mater. Chem. Front.</i> , <b>2017</b> , 1, 2261.
16	Yongjun Li*, <b>Zhiyu Jia</b> , Shengqiang Xiao, Huibiao Liu, Yuliang Li*, A method for controlling the synthesis of stable twisted two-dimensional conjugated molecules. <i>Nat. Commun.</i> , <b>2016</b> , 7, 11637.
17	Zheng Xue, Hui Yang, Juan Gao, Jiaofu Li, Yanhuan Chen, <b>Zhiyu Jia</b> , Yongjun Li, Huibiao Liu*, Wensheng Yang*, Yuliang Li, Dan Li, Controlling the Interface Areas of Organic/Inorganic Semiconductor Heterojunction Nanowires for High- Performance Diodes. <i>ACS Appl. Mater. Interfaces</i> , <b>2016</b> , 8, 21563.
18	<b>Zhiyu Jia</b> , Erik Gálvez, Rosa María Sebastián, Roser Peixats, Ángel Álvarez-Larena, Eddy Martin, Adelina Vallribera*, Alexndr Shafir*, An Alternative to the Classical $\alpha$ -Arylation: The Transfer of an Intact 2-Iodoaryl from $\text{ArI}(\text{O}_2\text{CCF}_3)_2$ . <i>Angew. Chem. Int. Ed.</i> , <b>2014</b> , 53, 11298.
19	Feng Hu, <b>Zhiyu Jia</b> , Ran Liang, Peng Wang*, Xicheng Ai, Jianping Zhang, Leif H. Skibsted*, $\beta$ -Carotene as a Membrane Antioxidant Probed by Cholesterol-Anchored Daidzein. <i>J. Food Sci.</i> , <b>2014</b> , 79, C1688.
20	贾志宇, 李勇军, 刘辉彪, 李玉良*, 分子内电荷转移化合物自组装功能体系, 中国科学: 化学 N032016-00087.