姓名：俞玉明

职称/职务：副教授/硕士生导师

专业：有机化学

研究方向：材料化学，类石墨烯化学

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个人经历

教育背景：

2002.9-2006.7 学士　乐山师范学院　　制药工程　指导老师：刘志昌教授

2006.9-2009.7 硕士　新疆大学　　有机化学　导师：曹玲华教授

2009.9-2013.7 博士　中科院学院化学所-北京大学，有机化学　导师：甘良兵教授；李玉良院士

工作简历：

2013.7-2014.6 波士顿学院（美国，Boston College），博士后，合作导师：Lawrence T. Scott

2014.7-2017.3 里海大学（美国，Lehigh University），博士后，合作导师：Steven L. Regen

2017.7-2019.9 新疆大学　　化学化工学院　讲师

2019.09-至今新疆大学　　化学化工学院　副教授

主讲课程

本科生：有机化学，有机化学实验，中级有机化学

研究生：高等有机合成，金属有机化学

留学生课程：Advanced Structure Determination

研究内容

1、 类石墨烯片段的合成及其光电性质研究；

2、 新型杂原子掺杂的大π芳香体系合成及其性质研究；

3、 抗菌药物的结构修饰与合成；

4、 香料化学。

主持科研项目

纵向项目：

2021/06-2023/06	上海合作组织科技伙伴计划	25 万	项目主持人
2019/01-2022/12	国家自然科学基金地区基金	40 万	项目主持人
2019/12-2022/03	大连理工大学国家精细化工重点实验室开放课题	5 万	项目主持人
2019/01-2022/12	深圳市基础研究学科布局项目	300 万	项目主持人
2019/01-2019/12	新疆自治区高校科研项目	5 万	项目主持人
2018/01-2020/12	新疆自治区“天池博士”计划	10 万	项目主持人
2018/01-2020/12	新疆大学博士科研启动基金	10 万	项目主持人

横向项目：

2020/01-2022/12，	香紫苏醇制备龙涎醚的小试合成技术开发	50 万	项目主持人
2020/05-2023/12，	香紫苏内酯的小试合成技术开发	250 万	项目主持人
2021/05-2023/06，	炭化粉废料的回收利用可行性研究	23.2 万	项目主持人

代表性研究成果

1. Chuan-Kun Ran,[#] Ya-Nan Niu,[#] Lei Song, Ming-Kai Wei, Yi-Fei Cao, Shu-Ping Luo, **Yu-Ming Yu**, Li-Li Liao,* and Da-Gang Yu*, Visible-Light Photoredox-Catalyzed Carboxylation of Activated C(sp3)—O Bonds with CO_2 , *ACS Catal*. **2022**, 12, 18−24

2. Ya-Nan Niu, Xing-Hao Jin, Li-Li Liao, He Huang, Bo Yu,Yu-Ming Yu* & Da-Gang Yu*, Visible-light-driven external-photocatalyst-free alkylative carboxylation of alkenes with CO_2, *Sci. China Chem.* 2021, 64(7), 1164–1169

3. Yue-Ming Jiang, Jie Liu, Qiang Fu*, **Yu-Ming Yu***, Da-Gang Yu*, Visible-Light-Driven phosphonoalkylation of alkenes， *Synlett*, **2021**,32,378-382

4. Hai-Ming Lan, Ru-Xia Yang, Li-Zhen Yang, Peng-Yin Zhu, Lu-Lu Wang, **Yu-Ming Yu**, Duo-Zhi Wang, Lanthanide complexes based on the linear bifunctional ligand: Synthesis, structure regulation and magnetic properties, *Inorganica Chimica Acta*, **2020,** *508*, 119593

5. Ru-Xia Yang, Hai-Ming Lan, Peng-Yin Zhu, Li-Zhen Yang, **Yu-Ming Yu**, Lu-Lu Wang, Duo-Zhi Wang, Synthesis, structures, magnetic and electric properties of four new coordination polymers constructed with heterocyclic nitrogen ligands and multidentate organic acid, *Inorganica Chimica Acta*, **2020,** *506*, 119410

6. Zhenying Wang, Li Li, **Yuming Yu**, Chao Yang, Porous Hybrid Nanosheets of g-C_3N_4/β-$Ni(OH)_2$ for asymmetric supercapacitor with enhanced specific capacitance, Nano, **2020**, 4, 2050052

7. Hongli Wu, Meng Zou, Lisheng Guo, Fengyun Ma*, Wenlong Mo, **Yuming Yu**, Inamullah Mian, Jingmei Liu,

Shuangjie Yin, Noritatsu Tsubaki *, Effects of calcination temperatures on the structure–activity relationship of Ni–La/Al2O3catalysts for syngas methanation, *RSC Adv.*, **2020**, 10, 4166

8. **Yuming Yu**, Mary J. Sabulski, Wiley A. Schell, Marcos M. Pires, John R. Perfect, Steven L. Regen*, Simple Strategy for Taming Membrane-Disrupting Antibiotics, *Bioconjugate Chemistry*, **2016**, 27, 2850−2853

9. **Yuming Yu**, Liang Xu, Xinchen Huang, Sisi Liang, Liangbing Gan*, Synthesis of C58 open-cage fullerene derivatives, *Synlett*. **2016**, 27, 2123-2127

10. **Yuming Yu**, Liang Xu, Xincheng Huang, Liangbing Gan*, Near-infrared absorbing compound based on π-extended tetrathiafulvalene open-cage fullerene, *J. Org. Chem*. **2014**, 79, 2156−2162

11. **Yuming Yu**, Tong Zhang, Liangbing Gan*, Synthesis of Open-cage Fullerenes with Terminal Alkyne Groups on the Rim of the Orifice, *Fullerenes, Nanotubes, Carbon Nanostruct.* **2014**, 22, 54-60

12. **Yuming Yu**, Lijun Shi, Dazhi Yang, LiangbingGan*, Molecular containers with a dynamic orifice: open-cage fullerenes capable of encapsulating either H_2O or H_2 under mild conditions, *Chem. Sci.* **2013**,4, 814–818

13. **Yuming Yu**, Xiang Xie, Tong Zhang, Shuming Liu, Yuanhua Shao, Liangbing Gan,* and Yuliang Li, Synthesis of 18-membered Open-cage Fullerenes through Controlled Step-wise Fullerene Skeleton Bond Cleavage Processes and Substituent-mediated Tuning of the Redox Potential of Open-cage Fullerenes, *J. Org. Chem.* **2011**, 76, 10148–10153

14. **Yuming Yu**, Jing Xiang, Linghua Cao, Synthesis of 2-Glycosylamino-5-(3,4,5-trimethoxyphenyl)-1,3,4-oxadiazole/1,3,4-thiadiazole and Their Fluorescent Properties, *Journal of Xinjiang University* (Science & Engineering), **2012**, 29, 89-93

15. Guihua Yang, **Yuming Yu**, Muhammad Usman Tahir, ShakiazAhmad, Xintai Su, Yahong Xie, Jide Wang, Promotion effect of Bi species in Cu/Bi/MCM-41catalysts for 1,4‑butynediol synthesis by ethynylationof formaldehyde, *Reaction Kinetics, Mechanisms and Catalysis*, **2019**, 127, 425–436

16. Yuanyuan Che, Lang Liu, Jianzhang Zhao, **Yuming Yu**, Xianmei Zhao, Photochromicbehavior and mechanism of indolethiosemicarbazidederivates in amorphous powder, solution and nanofiber, *Dyes and Pigments***, 2019**, 169, 105–110

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19. Chang Wang, **Yuming Yu**, Steven L. Regen*, Lipid Raft Formation: Key Role of Polyunsaturated Phospholipids,

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21. YuqianQiao, YuanyuanChe, **Yuming Yu**, Yakun Tang, Lang Liu*, Xianmei Zhao, Jianzhang Zhao,Solid-state photochromic properties, mechanism and electrospun membranesof(E)-2-(benzo[b]thiophen-2-ylmethylene)-N-ethylhydrazine-1-carbothioamide, *Dyes and Pigments*, **2018**, 156, 326–331.

22. Sheng Ding, He Lin, **Yuming Yu**, Lang Liu*, Caiming Deng, Jianzhang Zhao, DianzengJia*, Molecular Orbital Delocalization/Localization-Induced Crystal-to- Crystal Photochromism of Schiff Bases without ortho-Hydroxyl Groups, *J Phys. Chem. C*, **2018**, 122 (43), 24933–24940

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25. Liang Xu, Qianyan Zhang, Gang Zhang, Sisi Liang, **Yuming Yu**, LiangbingGan*, Regioselective Diels-Alder Reactions Directed by Carbonyl Groups on the Rim of Open-Cage Fullerene Derivatives, *Eur. J. Org. Chem.* **2013**, 7272–7276

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授权专利：

1.Reduced toxicity molecular conjugates of anti-fungal agents,publication date: Feb 16, 2017, USA, Steven L.Regen*, Vaclav Janout, **Yuming Yu**, Patent No.US20170042923,（美国专利）