**1 项目名称：**有序多孔催化材料构筑及其水相有机合成中性能提升研究

**2 代表性论文专著目录：**

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2. Fengxia Zhu, Wei Wang\*, Hexing Li\*, Water-medium and solvent free organic reactions over a bifunctional catalyst with Au nanoparticles covalently bonded to HS/SO3H functionalized PMO, *J. Am. Chem. Soc.* 2011, 133, 11632-11640.
3. Jianlin Huang, Fengxia Zhu, Wenhan He, Fang Zhang, Wei Wang\*, Hexing Li\*, Periodic mesoporous organometalsilicas with mono or binary organometals inside the channel walls as active and reusable catalysts in aqueous organic reactions, *J. Am. Chem. Soc.* 2010, 132, 1492-1493.
4. Fang Zhang\*, Chao Liang, Xiaotao Wu, Hexing Li\*, A nanospherical ordered mesoporous Lewis acid polymer for the direct glycosylation of unprotected and unactivated sugars in water, *Angew. Chem. Int. Ed.* 2014, 53, 8498-8502.
5. Kaixuan Wang, Huating Jiang, Helong Liu, Huiying Chen, Fang Zhang\*, Accelerated direct hydroxylation of aryl chlorides with water to phenols via the proximity effect in a heterogeneous metallaphotocatalyst, *ACS Catal.* 2022, 12, 6068-6080.

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