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- [7] Li, W.; Liu, J.; Zhao, D. Mesoporous materials for energy conversion and storage devices. *Nat Rev Mater* 2016, 1 (6), 16023.
- [8] Wei, J.; Liang, Y.; Zhang, X.; Simon, G. P.; Zhao, D.; Zhang, J.; Jiang, S.; Wang, H. Controllable synthesis of mesoporous carbon nanospheres and Fe-N/carbon nanospheres as efficient oxygen reduction electrocatalysts. *Nanoscale* 2015, 7 (14), 6247-6254.
- [9] Cheng Wang, Xinwei Liu, Wei Li, Xin Huang, Sen Luan, Xiaojian Hou, Mengnan Zhang, Qian Wang. CO<sub>2</sub> mediated fabrication of hierarchically porous metal-organic frameworks. *Microporous and Mesoporous Materials* 2019, 277, 154-162.
- [10] Xiaojian Hou, Xin Huang, Shuang Li, Wei Li, Sen Luan, Wenxiu Li, Zanwu Guo, Qian Wang. General Synthesis Approach for hierarchically porous Materials via Reverse Microemulsion System. *ACS Sustainable Chem. Eng.* 2019, 7, 13845-13855.
- [11] Sun LB, Li JR, Park J, Zhou HC. Cooperative template-directed assembly of mesoporous metal-organic frameworks. *J. Am. Chem. Soc.* 2012, 134, 126-129.
- [12] Ma TY, Li H, Deng QF, Liu L, Ren TZ, Yuan ZY. Ordered mesoporous metal-organic frameworks consisting of metal disulfonates. *Chem. Mater.* 2012, 24, 2253-2255.
- [13] Pham MH, Vuong G, Fontaine FG, Do T-O. A route to bimodal micro-mesoporous metal-organic frameworks nanocrystals. *Cryst. Growth. Des.* 2011, 12, 1008-1013.

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