MOF ranking	1	2	3	4	5
Node	Zn paddlewheel	Zn paddlewheel	Zn paddlewheel	Zn tetramer	Zn tetramer
Linker 1	HO F OH	HO OH	HO F OH	HO FOR THE STATE OF THE STATE O	$\begin{array}{c} \\ \\ \\ \\ \\ \\ \end{array}$
Linker 2	HO $CI$ $O$ $CI$ $O$ $CI$ $O$	$\bigcap_{HO} F \longrightarrow \bigcap_{F} \bigcap_{N} \bigcap_{H} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{H} \bigcap_{N} \bigcap_{H} \bigcap_{H}$	HO $F$ $OH$ $OH$ $F$	HO $CI$ $CI$ $CI$ $CI$ $CI$ $CI$ $CI$ $CI$	$HO$ $\downarrow$
Linker 3	F HO CI F	F Cl Cl F F		HO $N$ $F$ $O$ $O$ $N$ $F$ $O$	HO $F$ $HO$ $HO$ $HO$ $HO$ $HO$ $HO$ $HO$ $HO$
Catenation	cat2	cat2	cat2	cat3	cat3
CO <sub>2</sub> capacity (mmol/g)	2.51	2.49	2.48	2.44	2.43