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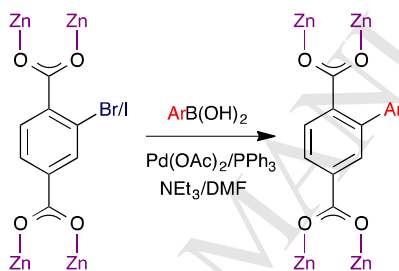
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## Post-synthetic modification of zinc metal-organic frameworks through palladium-catalysed carbon-carbon bond formation

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Post-synthetic Suzuki coupling reactions have been undertaken on the halide-functionalised metal-organic frameworks (MOFs)  $[\text{Zn}_4\text{O}(\text{bdc-Br})_3]$  (bdc-Br = 2-bromo-1,4-benzenedicarboxylate, IRMOF-2) and  $[\text{Zn}_4\text{O}(\text{bdc-I})_3]$  (bdc-I = 2-iodo-1,4-benzenedicarboxylate). Although the bulky catalyst employed leads to relatively low conversions, the use of core-shell MOFs demonstrates that the reactions are not confined to the crystal surfaces.



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