

Supporting Information

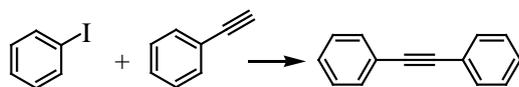
Highly active and reusable organometallic catalysts covalently bonded to an ordered mesoporous polymer

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Table S1. Catalytic performances of Pd-NCP-MPs-2 using different inorganic bases in Sonogashira reactions^a



Catalyst	Base	Conversion (%)	Selectivity (%)	Yield (%)
Pd-NCP-MPs-2	DBU	82	90	74
	K ₂ CO ₃	81	88	71
	NaOH	73	85	62

^aReaction conditions are shown in Reaction D.

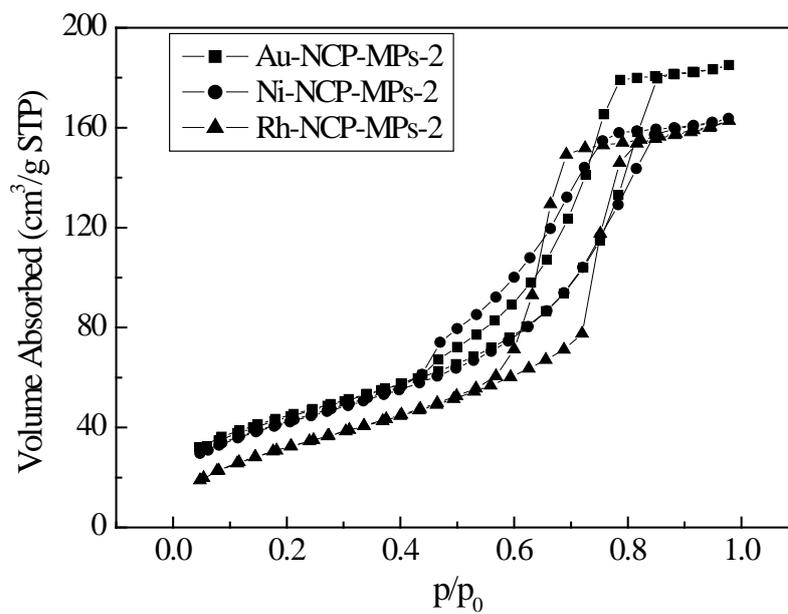


Figure S1. N₂ adsorption-desorption isotherms of Au-NCP-MPs-2, Ni-NCP-MPs-2 and Rh-NCP-MPs-2.

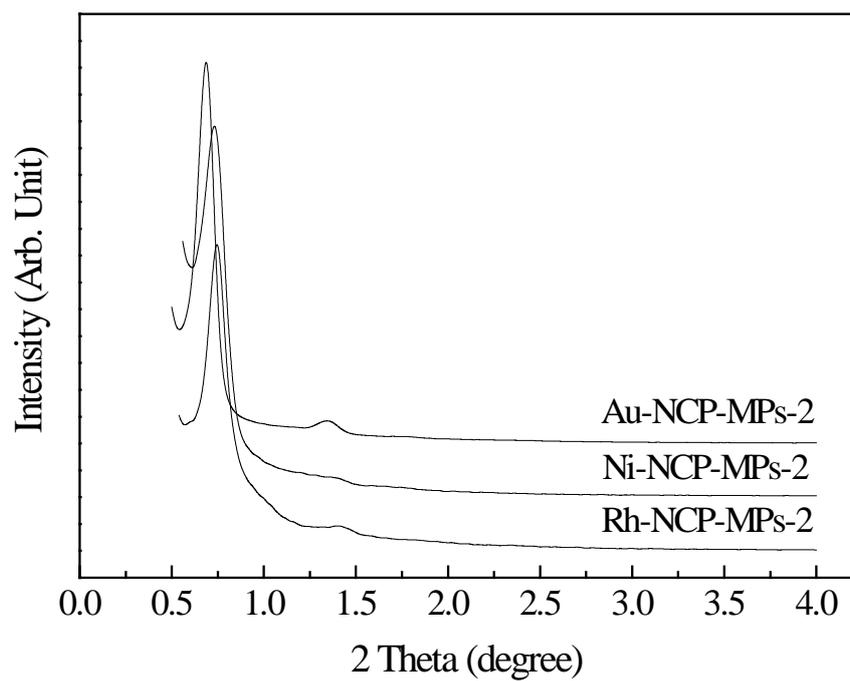


Figure S2. Low-angle XRD patterns of Au-NCP-MPs-2, Ni-NCP-MPs-2 and Rh-NCP-MPs-2.

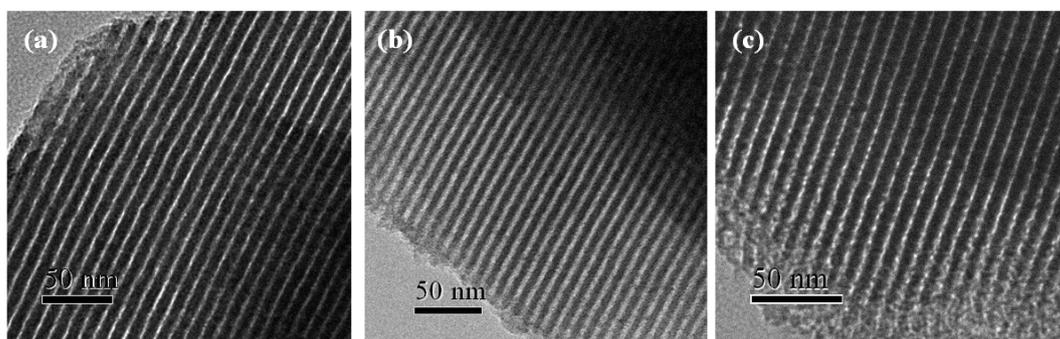


Figure S3. TEM images of (a) Au-NCP-MPs-2, (b) Ni-NCP-MPs-2 and (c) Rh-NCP-MPs-2.

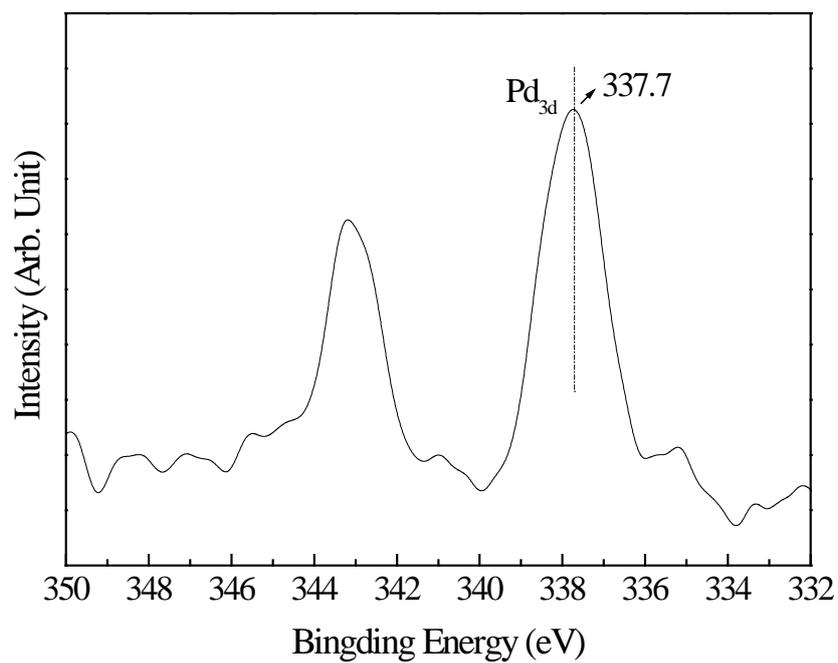


Figure S4. XPS spectrum of the Pd-NCP-MPs-2 catalyst after being reused repetitively for 5 times.

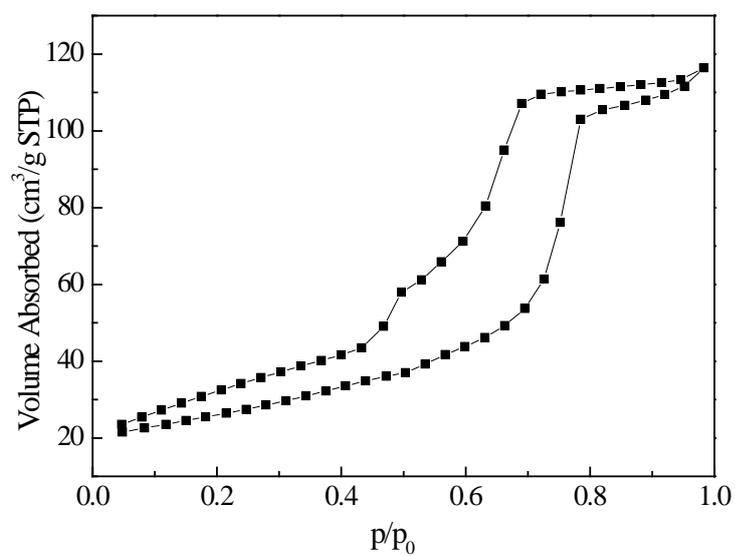


Figure S5. N₂ adsorption-desorption isotherm of the Pd-NCP-MPs-2 catalyst after being reused for 5 times.