

1 **Supporting Information**

2 **Removal and detection of norfloxacin in water by UiO-66@MIP**

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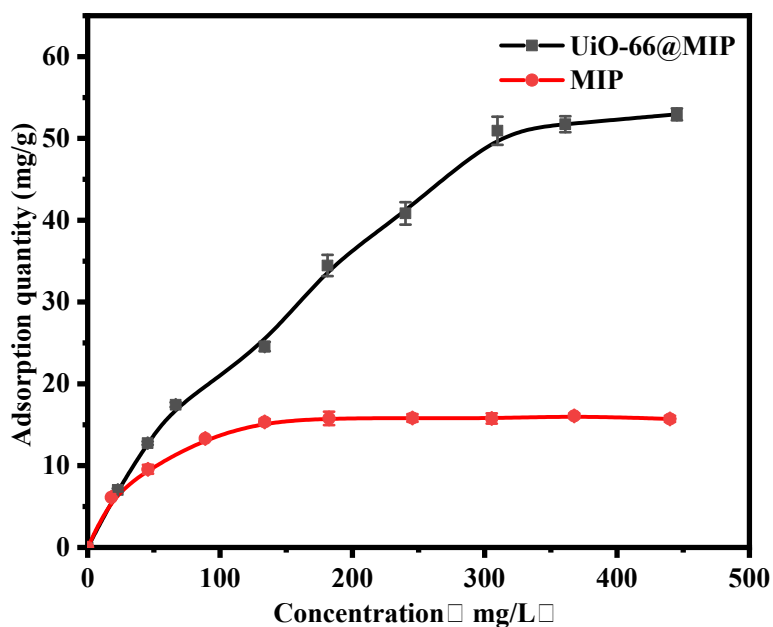
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23 **1. Synthesis of MIP without UiO-66-NH₂**

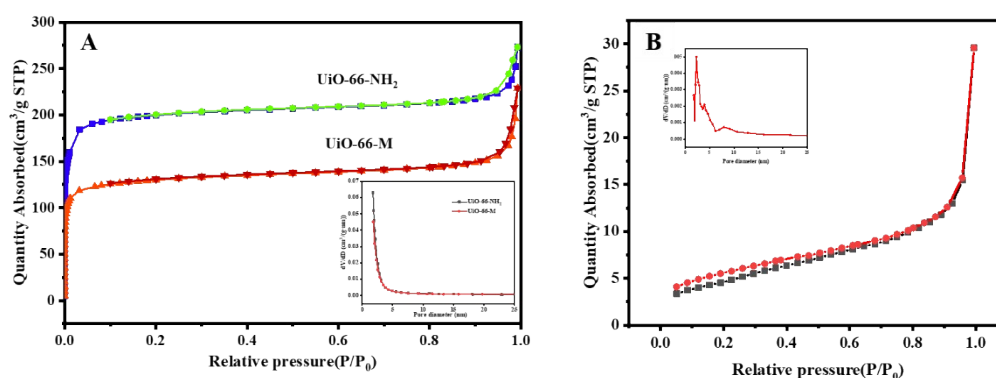
24 51 mg of NOR and 68 μ L of MAA were dissolved into 50 mL of acetonitrile. The
25 mixture was stirred for 2 h at room temperature. After the reaction system was heated
26 to 60 $^{\circ}$ C, 400 μ L EGDMA and 70 mg AIBN were added to the solution. The mixture
27 reacted at 60 degrees for 24 hours. After the reaction, the precipitate was collected with
28 a centrifuge at 9000 rpm, then washed with methanol /acetic acid (90:10, v/v) until the
29 template was removed. Finally, the product was dried at 60 $^{\circ}$ C under vacuum.



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31 Figure S1. The static adsorption curves of UiO-66@MIP and MIP without UiO-66-NH₂

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34 Figure S2. (A) N₂ sorption isotherms of UiO-66-NH₂ and UiO-66-M and their pore
 35 sizes distribution; (B) N₂ sorption isotherms of UiO-66@MIP and its pore sizes
 36 distribution

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38 Table S1 Isotherm parameters obtained by the Langmuir and Freundlich isotherm
 39 models.

Materials	UiO-66@NIP	UiO-66@MIP
Freundlich		
1/n	0.56	0.42
Log K _F	0.48	0.58
R ²	0.98	0.98
Langmuir		
Q _m (mg/g)	26.9	64.3
K _L	0.037	0.010
R ²	0.91	0.95

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41 Table S2 Results of UiO-66@MIP applied in real water sample

Water sample	Spiked concentration (mg/L)	Measured concentration (mg/L)	Recovery (%)	RSD (% , n=3)
1	0	0.45	/	1.9
2	1	1.43	98.1	2.1
3	3	3.40	98.3	5.5
4	5	5.29	96.7	4.4

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