

Supporting Information

Fe₃O₄@PVIM@Zn(II) Magnetic Microspheres for Luteolin Recognition via Combined Reflux-precipitation Polymerization and Metal-ion Affinity Strategy

Qiang Jia^{a, b}, Yinxian Peng^{*, a}, Jianming Pan^{b, *}, Xiaobin Huang^a, Xiangheng Niu^b, Tao
Zhang^b

^a School of Environmental and Chemical Engineering, Jiangsu University of Science
and Technology, Zhenjiang, Jiangsu 212003, China.

^b School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang
212013, China.

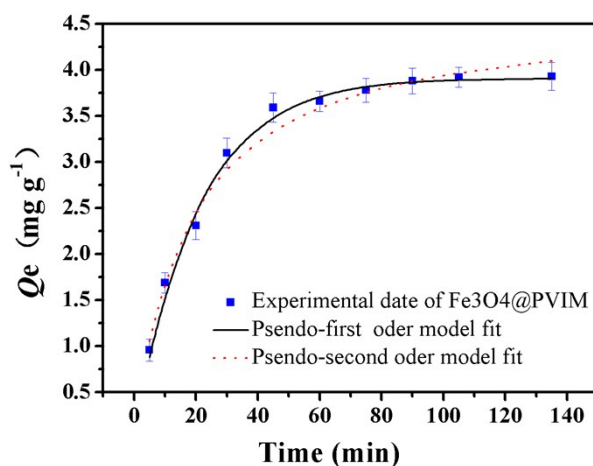


Fig. S1. Kinetic data and modeling for the adsorption of LTL onto Fe₃O₄@

* Corresponding author. Tel.: +086 88791708; fax: +086 88791800.

E-mail: pyxhx@just.edu.cn (Y.X. Peng); zhenjiangpjm@126.com (J.M. Pan)

PVIM.

Table S1 Kinetic model parameters obtained in adsorption of LTL onto $\text{Fe}_3\text{O}_4@\text{PVIM}$.

$Q_{e,e}$ (mg g ⁻¹)	Pseudo-first-order			Pseudo-second-order				
	k_1 (L min ⁻¹)	$Q_{e,c}$ (mg g ⁻¹)	R^2	k_2 (g mg ⁻¹ min ⁻¹)	$Q_{e,c}$ (mg g ⁻¹)	$t_{1/2}$ (min ⁻¹)	h (mg g ⁻¹ min ⁻¹)	R^2
3.93	0.051	3.908	0.991	0.012	4.605	18.096	0.275	0.982