

Supporting Information

Facile preraration of $\text{NiCo}_2\text{O}_4@\text{rGO}$ composites for the removal of uranium ions from aqueous solutions

Xiumei Song,^{a,b} Lichao Tan, ^{*a,b} Xiaojun Sun,^a Huiyuan Ma,^a Lin Zhu,^a Xiaoqing Yi,^a Qiang Dong,^a Junyu Gao,^a

^a Key Laboratory of Green Chemical Engineering and Technology of College of Heilongjiang Province, College of Chemical and Environmental Engineering, Harbin University of Science and Technology, Harbin 150040, China. Fax: +86 451 8639 2712; Tel: +86 451 8639 2712; E-mail address: tanlcking@163.com

^b Key Laboratory of Superlight Material and Surface Technology, Ministry of Education, Harbin Engineering University, Harbin 150001, China

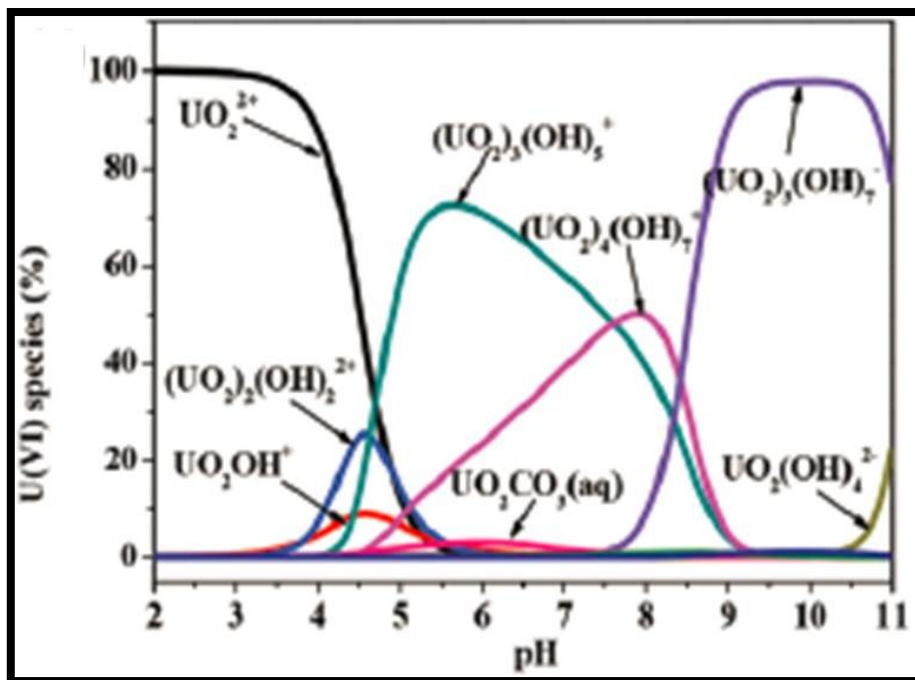


Fig. S1 The relative distribution of Uranium (VI) species in solutions.

Table S1. Comparison of uranium (VI) sorption capacity of NiCo₂O₄@rGO with other sorbents.

Sorbents	Q_{\max} (mg U/g)	Adsorbates	Reference
GO	97.5	UO_2^{2+}	[50]
$\text{Fe}_3\text{O}_4/\text{GO}$	69.5	UO_2^{2+}	[51]
$\text{CoFe}_2\text{O}_4/\text{rGO}$	125	UO_2^{2+}	[52]
$\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{Ni-L}$	129.3	UO_2^{2+}	[53]
$\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{AO}$	105.5	UO_2^{2+}	[32]
$\text{NiCo}_2\text{O}_4@\text{rGO}$	342.4	UO_2^{2+}	Present work