Supporting Information

Self-assembly construction of $NiO@NiFe_2O_4$/rGO architecture for stable and ultra-long life lithium-ion storage

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Table S1 Comparison of specific capacity of $NiFe_2O_4$ and the composites as anodes for LIBs.

Material structure	Current density ($mA\ g^{-1}$)	Cycle number	Specific capacity ($mAh\ g^{-1}$)	Ref.
$NiFe_2O_4$	500	100	316.94	[S1]
$NiFe_2O_4$	500	100	786	[S2]
Porous $NiFe_2O_4$	100	100	502.3	[S3]
$NiFe_2O_4$/C composite	1/8 C	40	780	[S4]
$NiFe_2O_4$/N-doped C	0.2 C	50	760	[S5]
$NiFe_2O_4$@C fibers	100	100	497	[S6]
$NiFe_2O_4$/rGO	200	50	489	[S7]
Flower-like $NiFe_2O_4$/graphene	100	50	606.2	[S8]
$NiFe_2O_4$/CNTs	100	100	624.6	[S9]
$NiFe_2O_4$/MWCNTs	0.2 C	25	871	[S10]
$NiO@NiFe_2O_4$/CNTs	100	100	721.65	[S11]
$SnO_2/NiFe_2O_4$/graphene	200	50	731.5	[S12]
$NiFe_2O_4$/NiO@C composites	500	500	632.7	[S13]
$NiO@NiFe_2O_4$/rGO architecture	100	100	930.12	This work
	500	300	663.72	
	2000	1000	342.6	
	5000	1000	213.55	

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