Supporting Information

Facile synthesis of nanosized nickel phosphides with controllable phase and morphology

Yanyan Deng, Yu Zhou, Yue Yao, Jun Wang*

State Key Laboratory of Materials-Oriented Chemical Engineering, College of Chemistry and Chemical Engineering, Nanjing University of Technology, Nanjing 210009, China. * Corresponding author. Tel: +86-25-83172264; E-mail: junwang@njut.edu.cn

Table S1	Viscosity	of the solv	ent at room	temperature.
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Solvent	MeOH	EtOH	EG	GL	DEG
Viscosity (mpa·s)	0.580	1.17	22.1	1412	35.7



Figure S1 SEM images of red phosphor.



Figure S2 Binary phase diagram of nickel phosphides synthesized by using NiCl₂·6H₂O as the nickel source.



Figure S3 Binary phase diagram of nickel phosphides synthesized by using NiSO₄⁻⁶H₂O as the nickel source.



Figure S4 Binary phase diagram of nickel phosphides synthesized by using $Ni(CH_3COO^-)_2 \cdot 4H_2O$ as the nickel source.



Figure S5 Binary phase diagram of nickel phosphides synthesized by using $Ni(NO_3)_2$ $^{\circ}6H_2O$ as the nickel source.