Electronic Supplementary Information

for

Ni-Cu alloy nanoparticles loaded on various metal oxides acting as efficient catalysts for photocatalytic H₂ evolution

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Fig. S1 Particles size distribution of (a) Cu nanoparticles, (b) Ni-Cu nanoparticles and (c) Ni nanoparticles determined by dynamic laser scattering.



Fig. S2 (a) TEM image of Ni-Cu/SiO₂ prepared by the impregnation method using Ni-Cu nanoparticles. (b) HAADF-STEM image of Ni-Cu/SiO₂ prepared by the impregnation method using Ni(NO₃)₂ and Cu(NO₃)₂.



Fig. S3 TEM images of Ni-Cu/CeO₂ prepared by the impregnation method using (a) Ni-Cu nanoparticles or (b) $Cu(NO_3)_2$ and $Ni(NO_3)_2$.