

High internal ionic liquid phase emulsion stabilized by metal-organic framework

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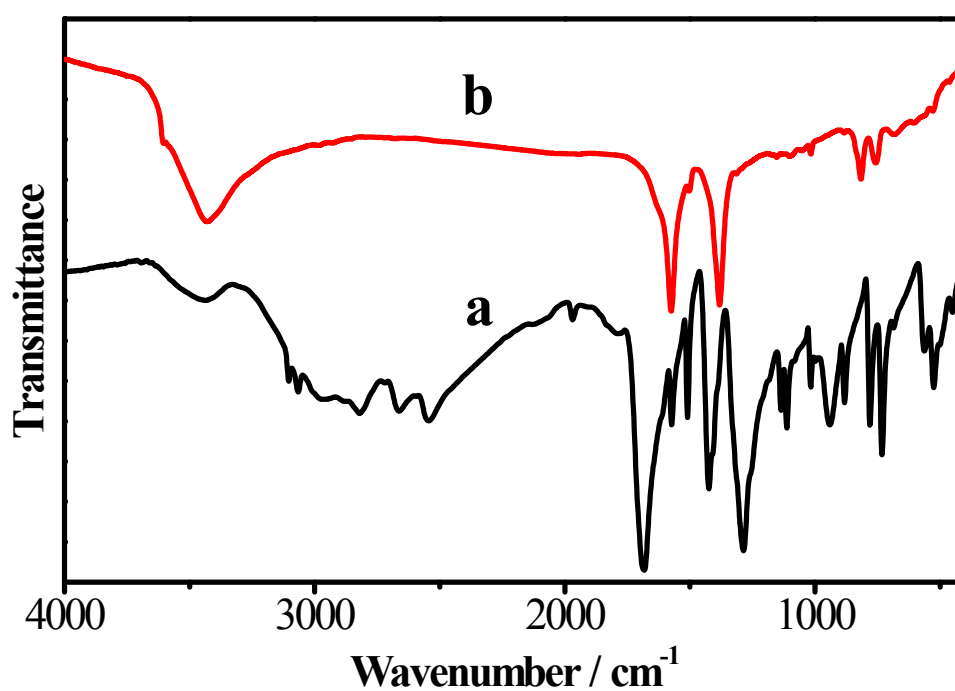


Figure S1. FT-IR spectra of H₂BDC (a) and Ni-BDC (b).

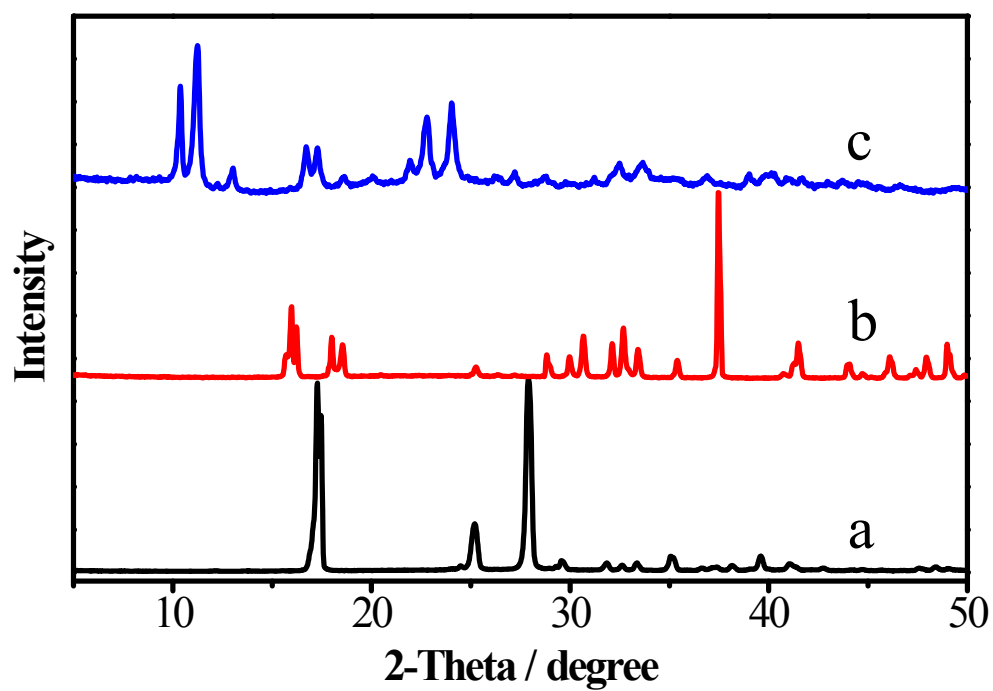


Figure S2. XRD patterns of H₂BDC (a), NiCl₂·6H₂O (b) and Ni-BDC (c).

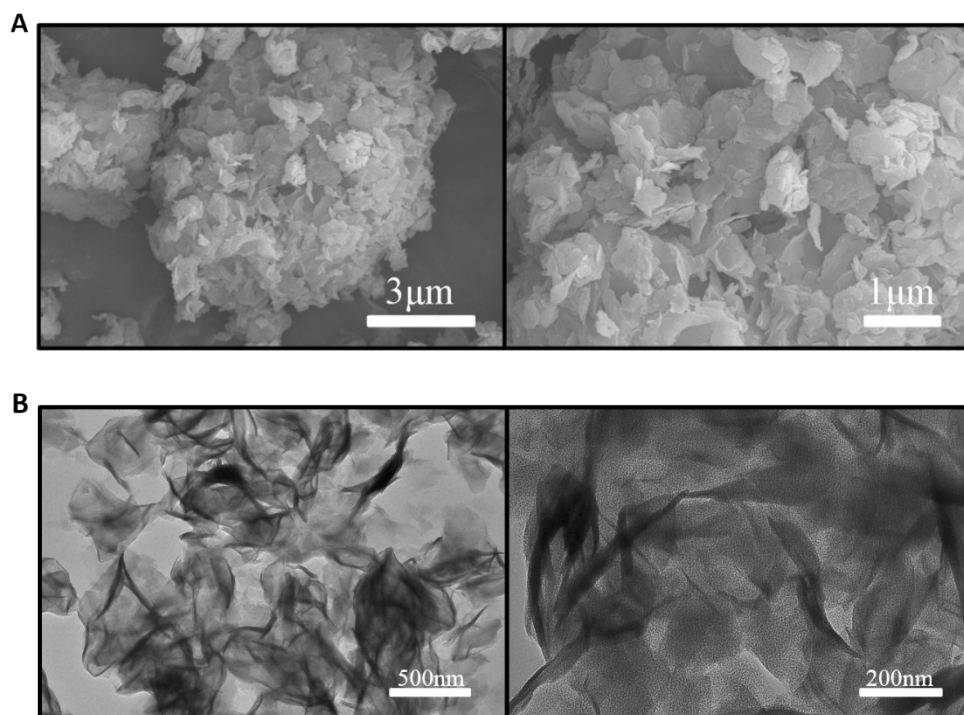


Figure S3. A: SEM images of Ni-BDC; B: TEM images of Ni-BDC.

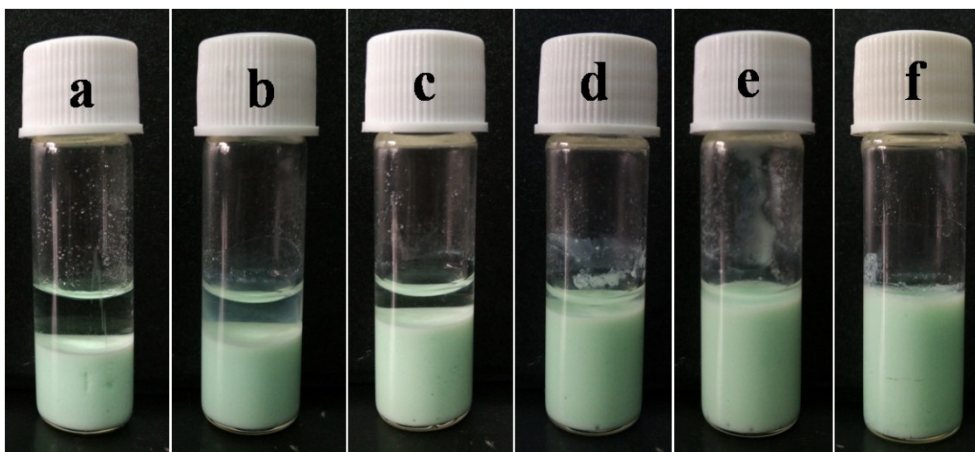


Figure S4. Photographs of emulsions stabilized by Ni-BDC with IL volume fractions of 0.1 (a), 0.2 (b), 0.3 (c), 0.4 (d), 0.5 (e) and 0.6 (f) standing for a week after emulsified.

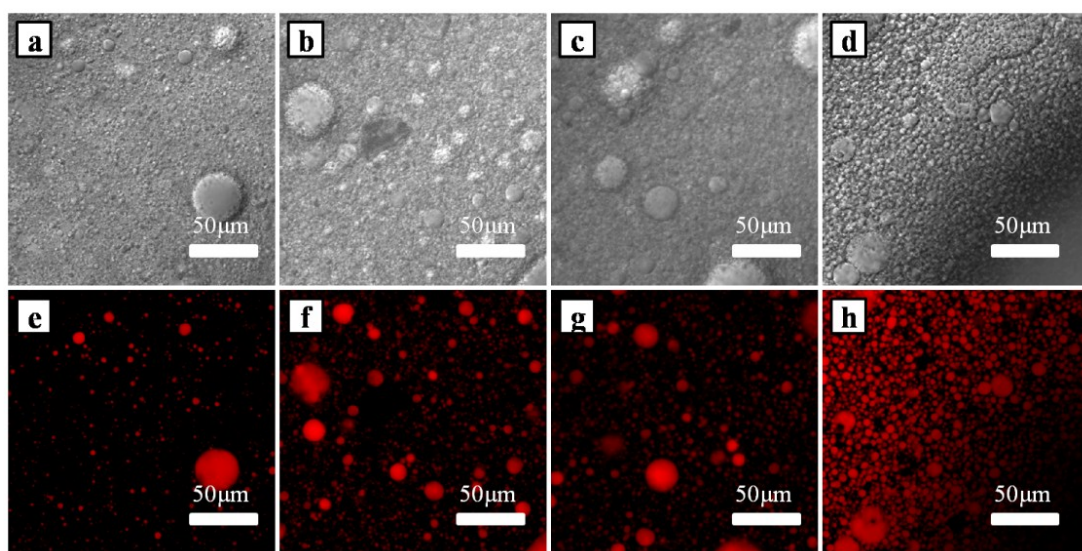


Figure S5. CLSM images of the emulsions stabilized by Ni-BDC with IL volume fractions of 0.1 (a, e), 0.2 (b, f), 0.3 (c, g) and 0.4 (d, h).

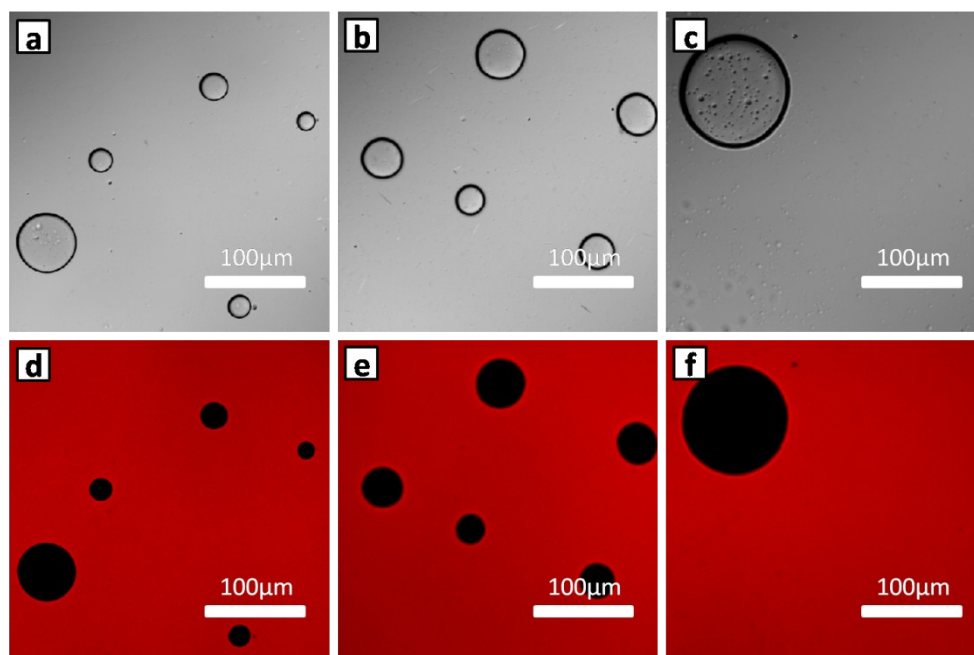


Figure S6. CLSM images of the emulsions stabilized by Ni-BDC with IL volume fractions of 0.7 (a, d), 0.8 (b, e), and 0.9 (c, f).

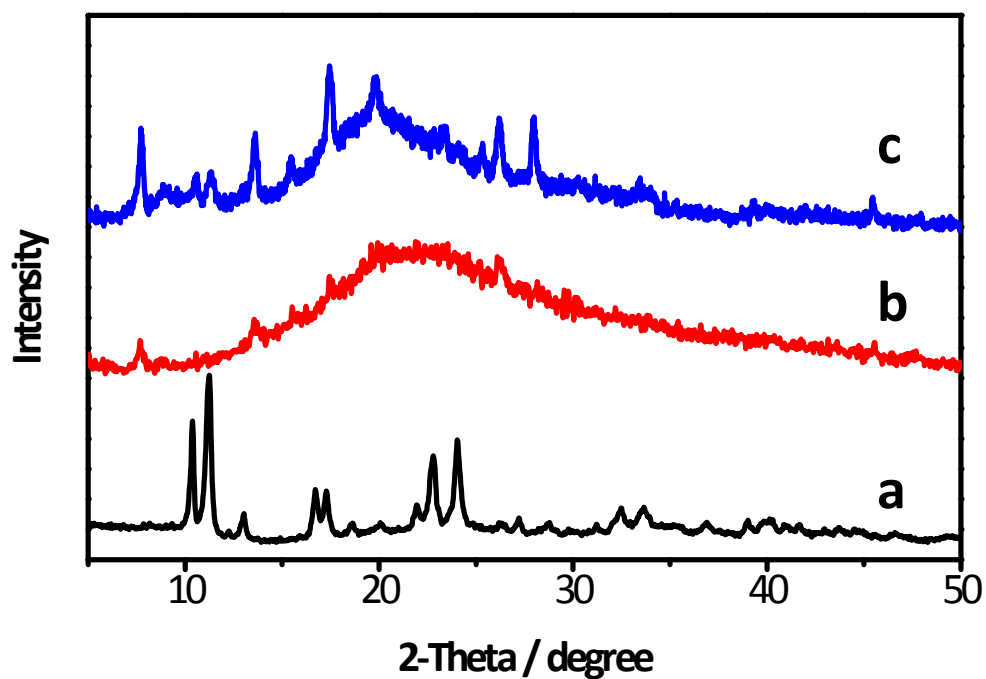


Figure S7. XRD patterns of Ni-BDC (a), Ni-BDC@PAM (b) and Ni-BDC@PS (c).

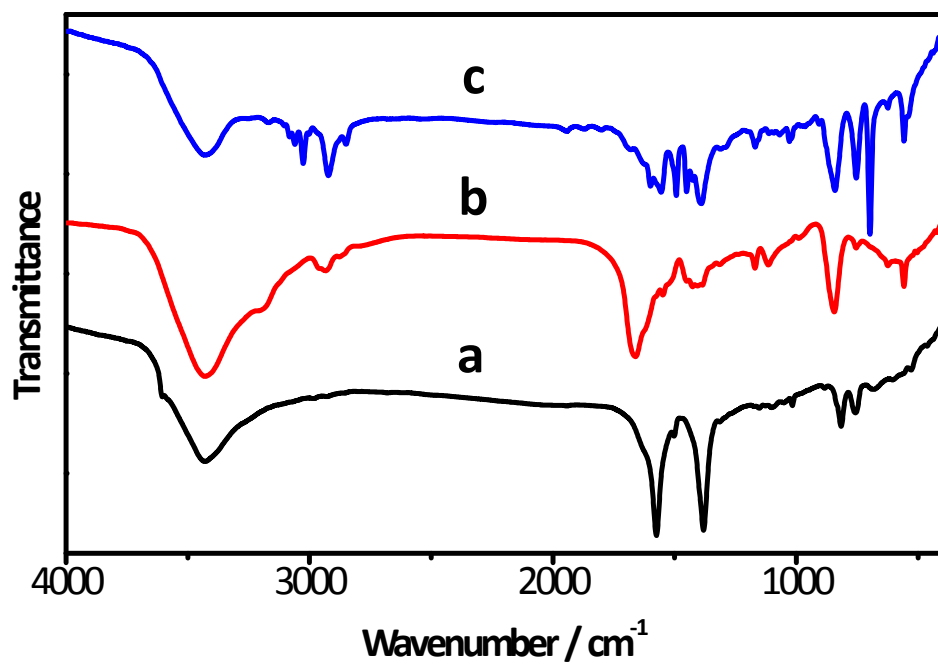
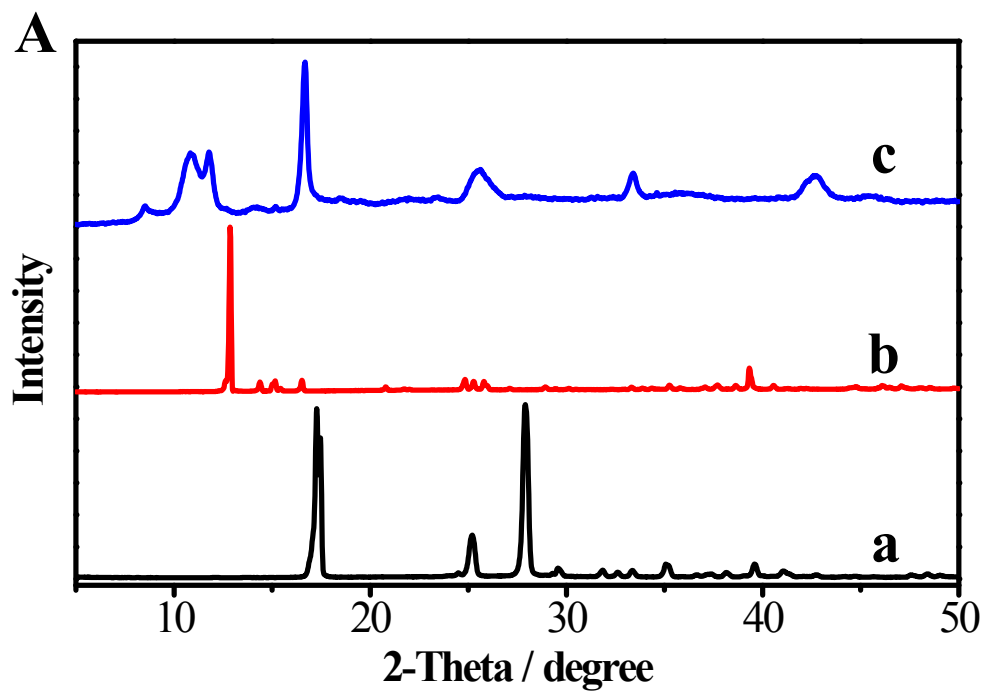


Figure S8. FT-IR spectra of Ni-BDC (a), Ni-BDC@PAM (b) and Ni-BDC@PS (c).



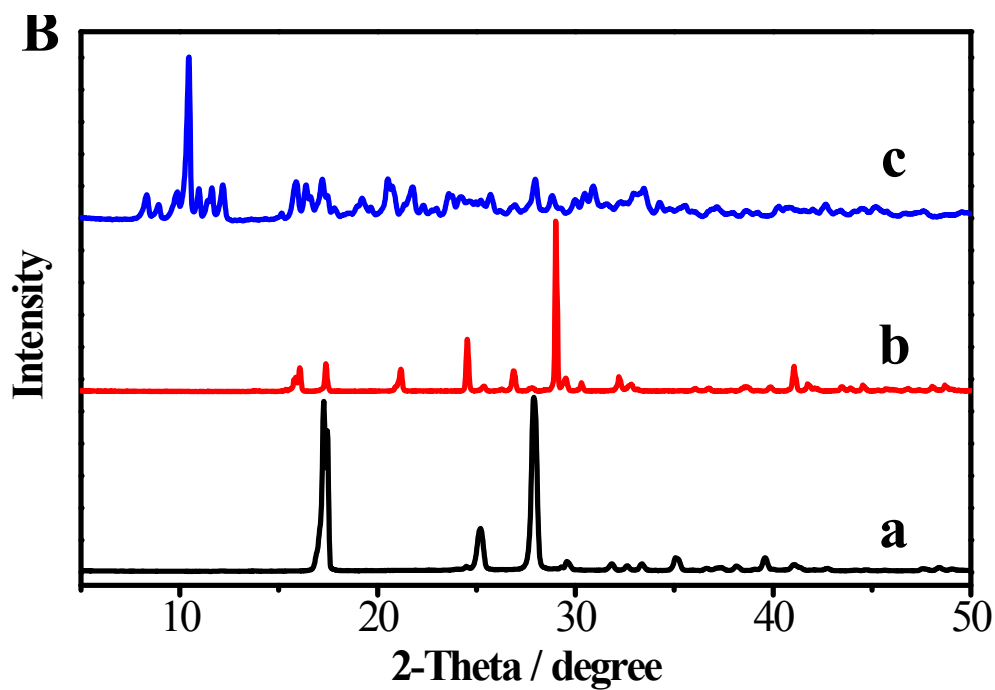


Figure S9. (A): XRD patterns of H₂BDC (a), Cu(OAc)₂·H₂O (b) and Cu-BDC (c); (B): XRD patterns of H₂BDC (a), Zn(NO₃)₂·6H₂O (b) and Zn-BDC (c).

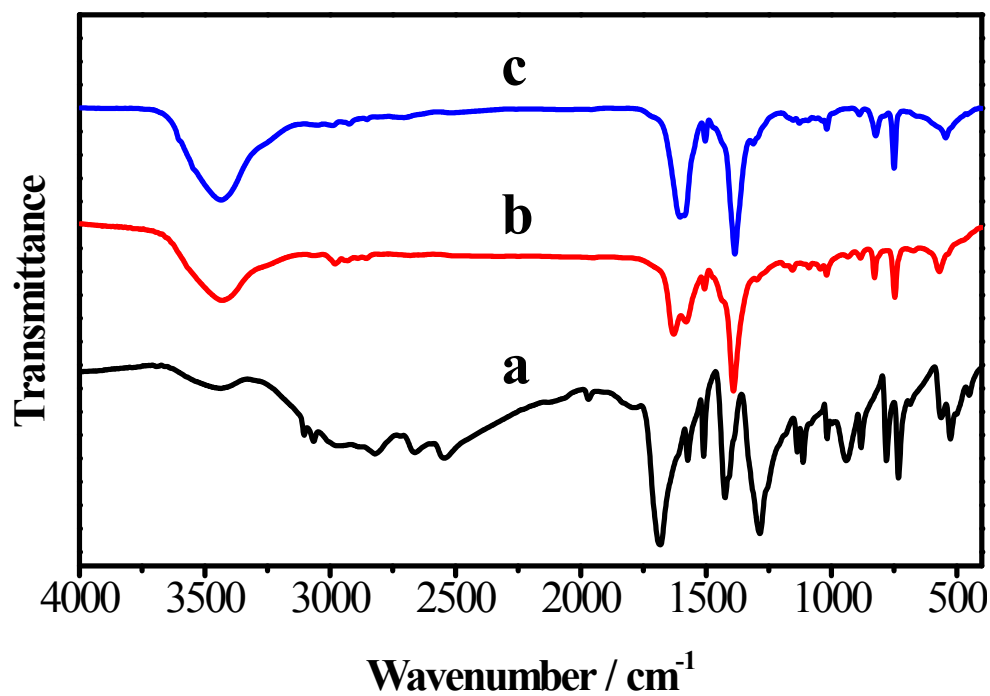


Figure S10. FT-IR spectra of H₂BDC (a), Cu-BDC (b) and Zn-BDC (c).

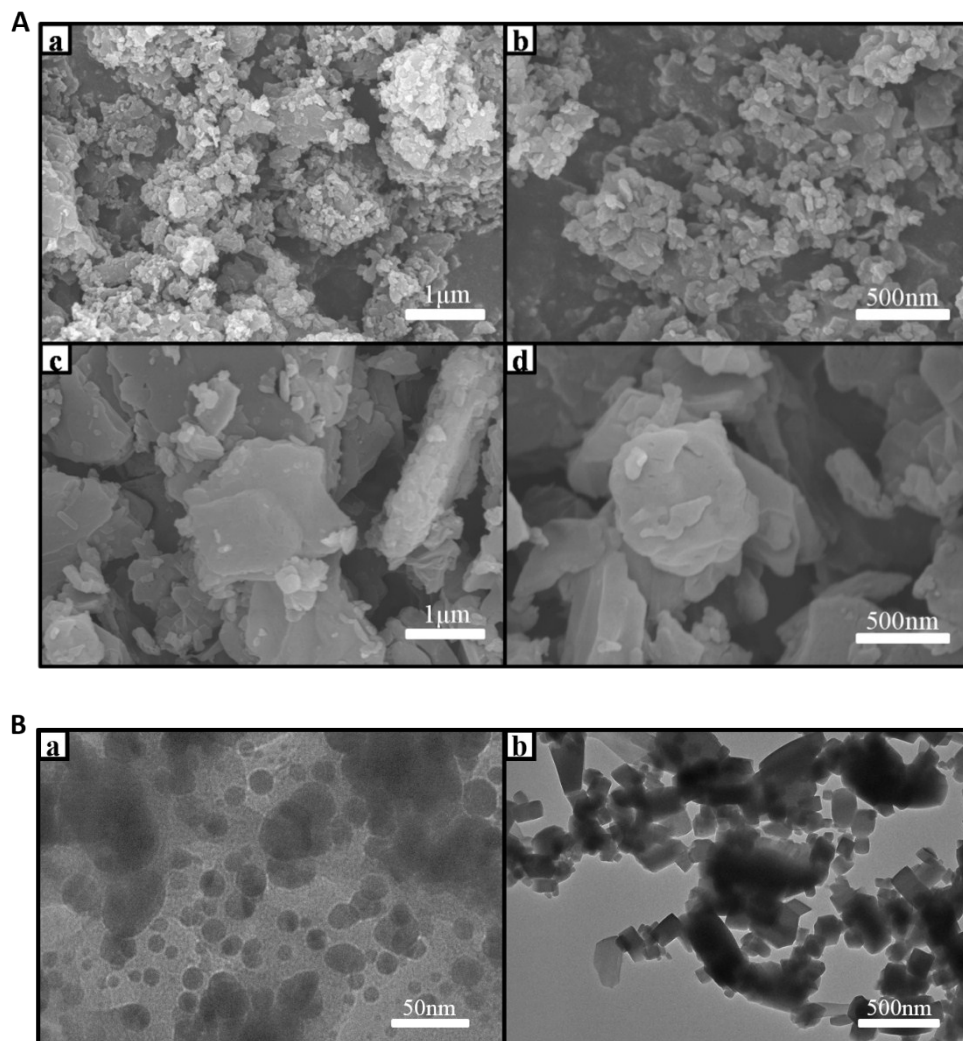


Figure S11. A: SEM images of Cu-BDC (a, b) and Zn-BDC (c, d); B: TEM images of Cu-BDC (a) and Zn-BDC (b).

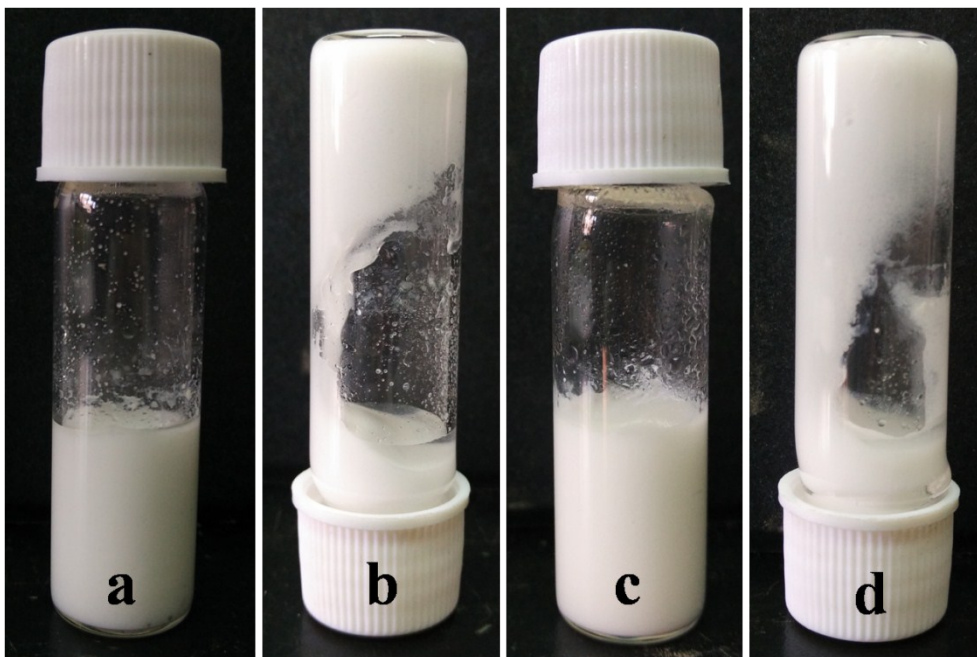


Figure S12. Photographs of emulsions stabilized by Zn-BDC with IL volume fractions of 0.5 (a, b) and 0.6 (c, d).



Figure S13. Photographs of contact angle of Ni-BDC (a), Cu-BDC (b) and Zn-BDC (c).