

Supplementary Information

The fabrication and characterization of copper phosphate nanoparticles

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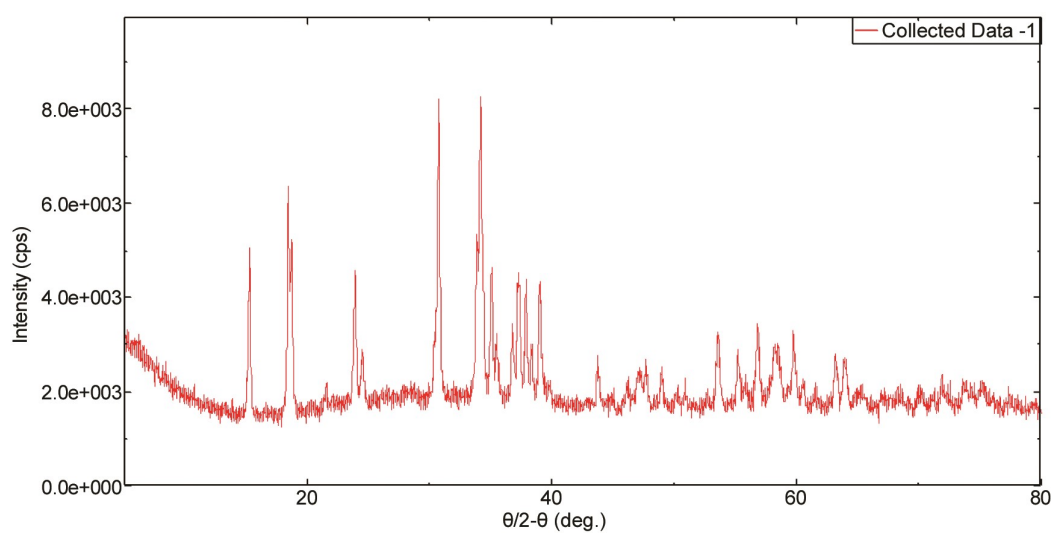


Fig. S1 XRD patterns of CuP nanoparticle

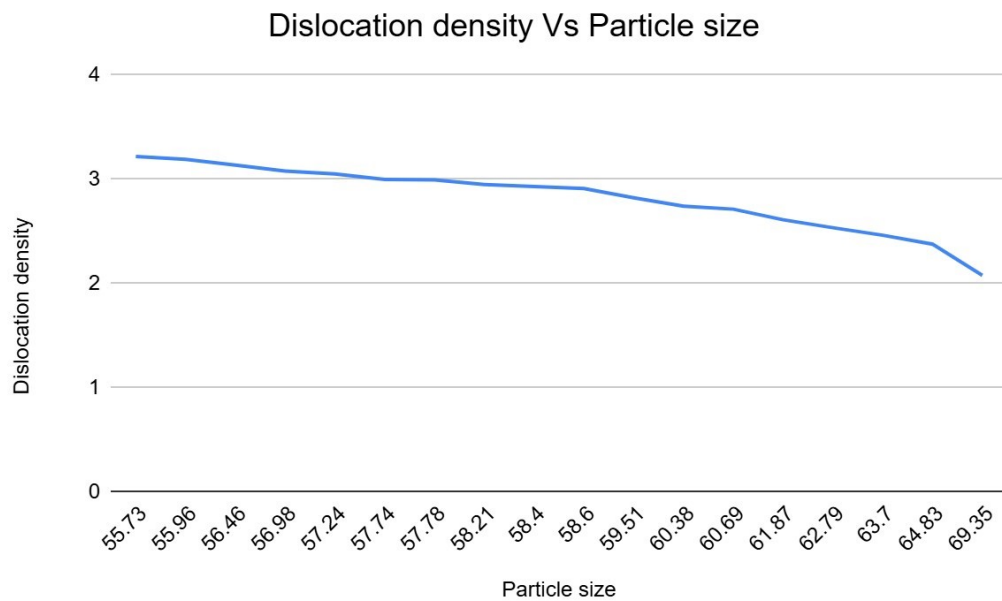


Fig. S2 Dislocation density vs. Particle size

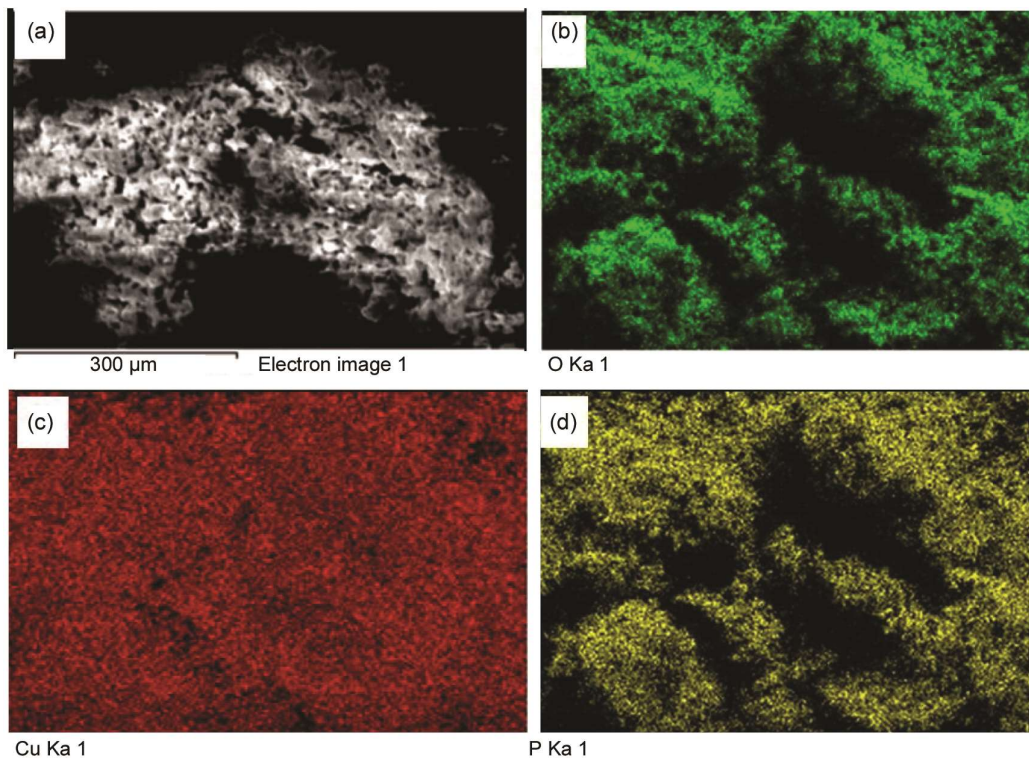


Fig. S3 Maps for Cu, P, and O is displayed separately and superimposed with the primary image.

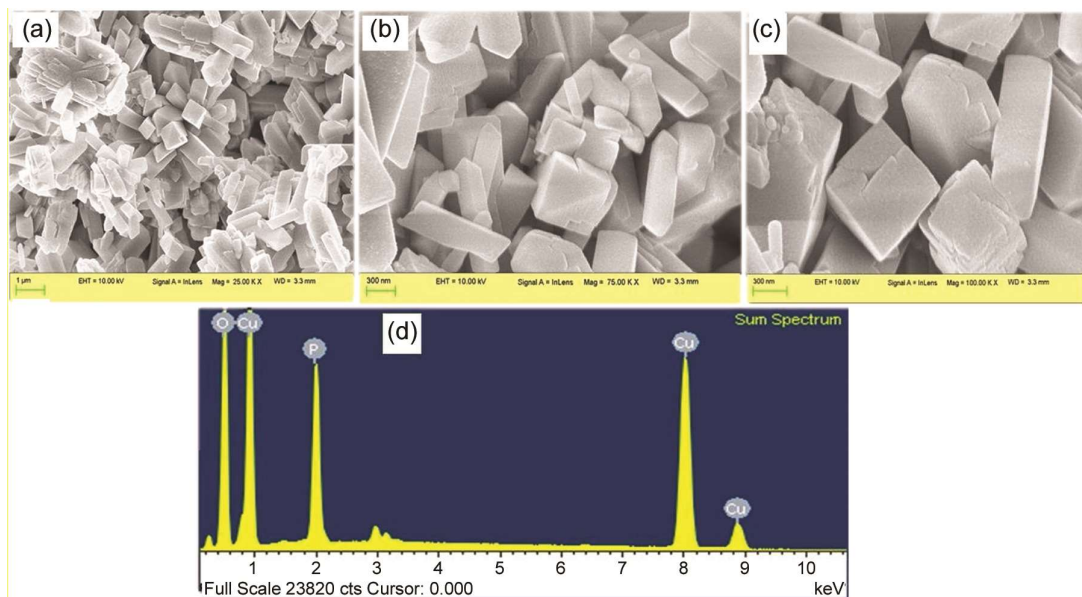


Fig. S4 (a) SEM image of CuP at 25 kx (b) SEM image of CuP at 75 kx (c) SEM image of CuP at 100 kx (d) EDX analysis of CuP.

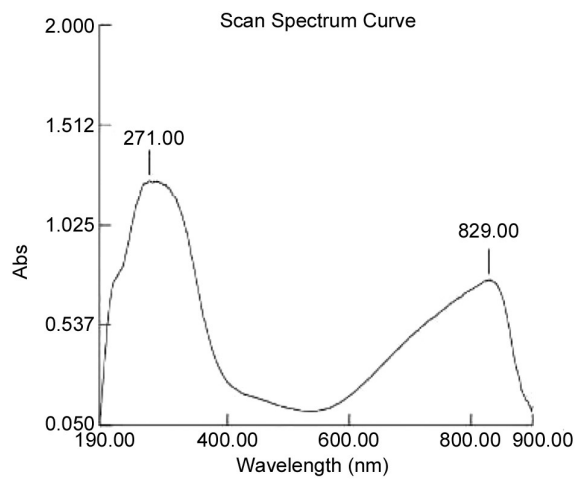


Fig. S5 UV-Visible spectrum of CuP

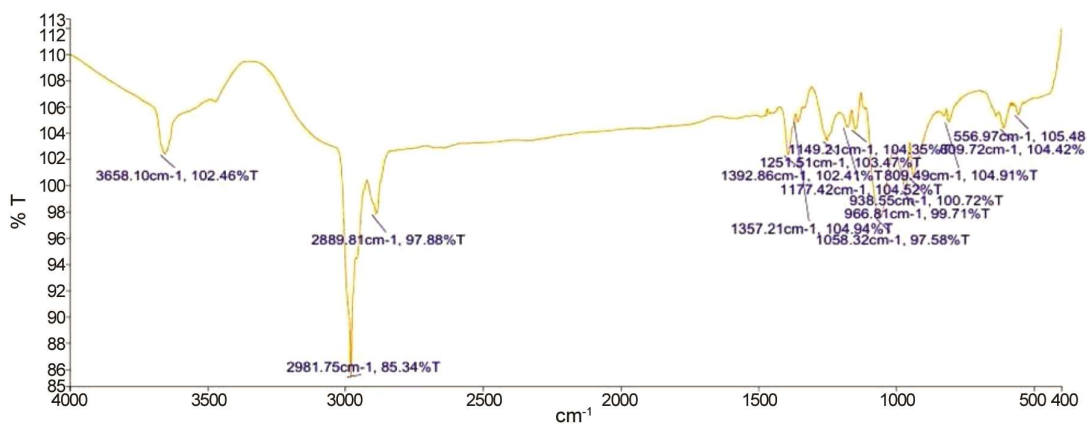
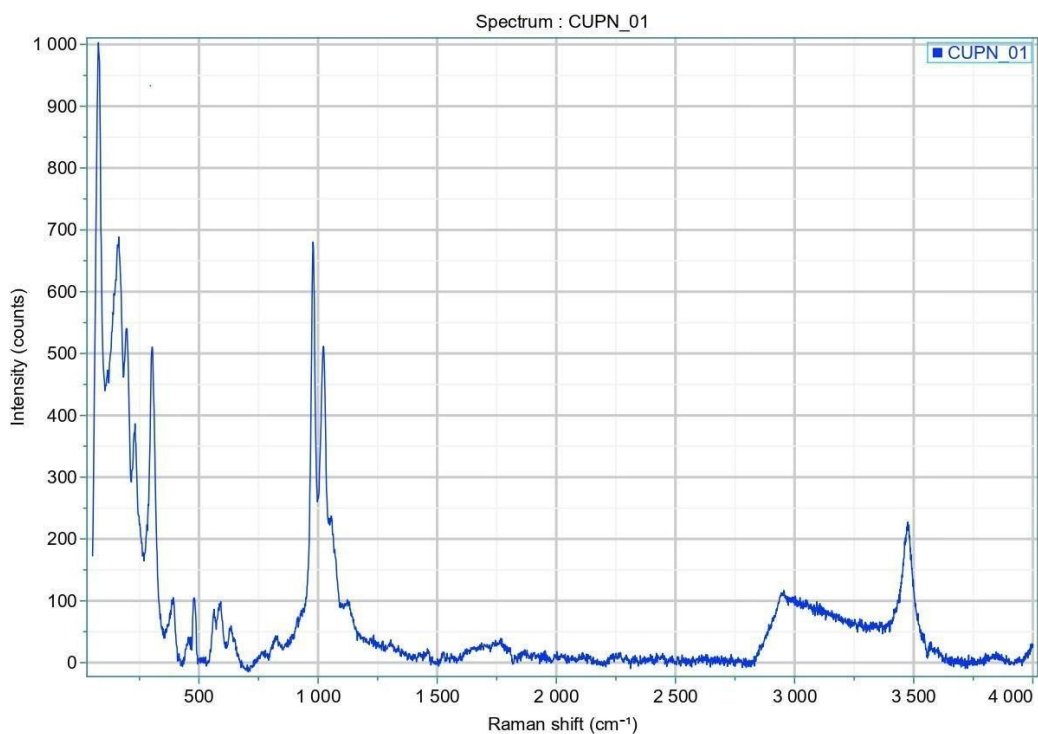


Fig. S6 FTIR spectrum of CuP



Date	07.02.2023 10...	Acq. time (s)	2	Accumulations	10	Laser	532nm_Edge
Spectro (cm ⁻¹)		Hole (μm)	500	Slit (μm)	200	Grating	1800 (450-850...
Filter	10%	Objective	x20_VIS	ICS correction	Off	Range (cm ⁻¹)	

Fig. S7 Raman Spectrum of CuP/