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Title: Metal ion-responsive photonic colloidal crystalline micro-beads with electrochemically tunable photonic diffraction colours

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# ACCEPTED MANUSCRIPT

### Metal ion-responsive photonic colloidal crystalline micro-beads with

#### electrochemically tunable photonic diffraction colours

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#### Highlights

 $\bullet$  Polydispersive colloidal crystalline micro-beads, size ranged from 5 to 60  $\mu m$  in

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