A new Zn(II) MOF assembled from metal–organic cubes (MOCs) as an ultimate adsorbent for cationic dyes

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Fig. S1 Various coordination modes of Zn metal atom present in 1.

Fig. S2 Adsorption isotherms of 1 at 77 K up to 1 bar pressure for N\textsubscript{2}
Fig. S3: UV-vis spectra of 1 in liquid and solid state.

Fig. S4: Recyclability plot of 1.
Fig. S5 PXRD patterns of 1 before and after adsorption of MB.

Fig. S6 FTIR spectra of 1 before and after adsorption of MB.
The adsorption kinetics of dye pollutants MB, RB and MO by 1 are represented by (a), (b) and (c), respectively as pseudo-first order kinetics and by (d), (e) and (f), respectively as pseudo-second order kinetics and by (g), (h) and (i), respectively, as intraparticle diffusion.
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<th>Bond distance(Å)</th>
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