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Advancing Nanoscale Science: Synthesis and Bioprinting of Zeolitic Imidazole Framework-8 for Enhanced Anti-infectious Therapeutic Efficacies

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Table S1. (a,b) Nano-size calculation using Scherrer equation (a) ZIF-8, (b) CME@ZIF-8.

(a)	Peak number	Pos. (2 θ)	Intensity	FWHM left (2 θ)	β (rad)	Size (nm)	Average size (nm)
	1	7.8086	118.336	10.07412	0.175826	0.789308	11.38424
	2	10.24216	724.617	0.45702	0.007976	17.45247	
	3	12.74844	717.996	0.35112	0.006128	22.76631	
	4	14.71232	1247.707	0.59133	0.010320	13.5461	
	5	18.64383	711.375	0.53906	0.009408	14.93453	
	6	20.07974	114.431	0.65821	0.011487	12.24421	
	7	20.07974	61.460	61.21047	1.068324	0.311805	
	8	27.14889	485.738	0.62562	0.010919	13.06318	
	9	29.77154	223.938	1.09162	0.019052	7.530238	
(b)	Peak number	Pos. (2 θ)	Intensity	FWHM left (2 θ)	β (rad)	Size (nm)	Average size (nm)
	1	10.1201	701.612	0.38386	0.006699	20.22677	12.4482
	2	12.99014	719.650	0.5258	0.009176	15.20656	
	3	14.33409	2659.380	0.36962	0.006451	21.66238	
	4	18.21586	723.896	0.38988	0.006804	20.63643	
	5	18.21586	48.599	8.8834	0.155044	0.905704	
	6	18.21586	145.161	1134.3144	19.797521	0.007093	
	7	26.78703	289.387	0.42156	0.007357	19.37185	
	8	30.00994	26.315	8.07282	0.140897	1.018817	

Figure S1. EDX analysis of (a) ZIF-8, (b) CME@ZIF-8

