

The use of ionic liquids in the synthesis of zinc imidazole frameworks

Gesley A. V. Martins,¹ Peter J. Byrne,¹ Phoebe Allan,¹ Simon J. Teat,² Alexandra M. Z. Slawin,¹ Yang Li¹ and Russell E. Morris^{1,*}

Supplementary material

Section 1. Experimental PXRD Patterns

Table S1. Comparison of positions and indices of diffraction lines in the experimental and simulated PXRD patterns of sample 2.

Observed PXRD		Simulated PXRD		Indices
2-Theta	d (Å)	2-Theta	d (Å)	hkl
13.96	6.33	14.05	6.29	110
15.26	5.79	15.42	5.74	011
16.13	5.48	16.12	5.49	200
20.47	4.33	20.53	4.32	002
22.27	3.98	22.38	3.96	211
24.82	3.58	24.97	3.56	112
26.29	3.38	26.64	3.34	121
32.57	2.74	32.57	2.74	400
32.99	2.71	33.18	2.69	013
34.01	2.63	34.12	2.62	312

Figure S1 Experimental PXRD pattern of sample 2.

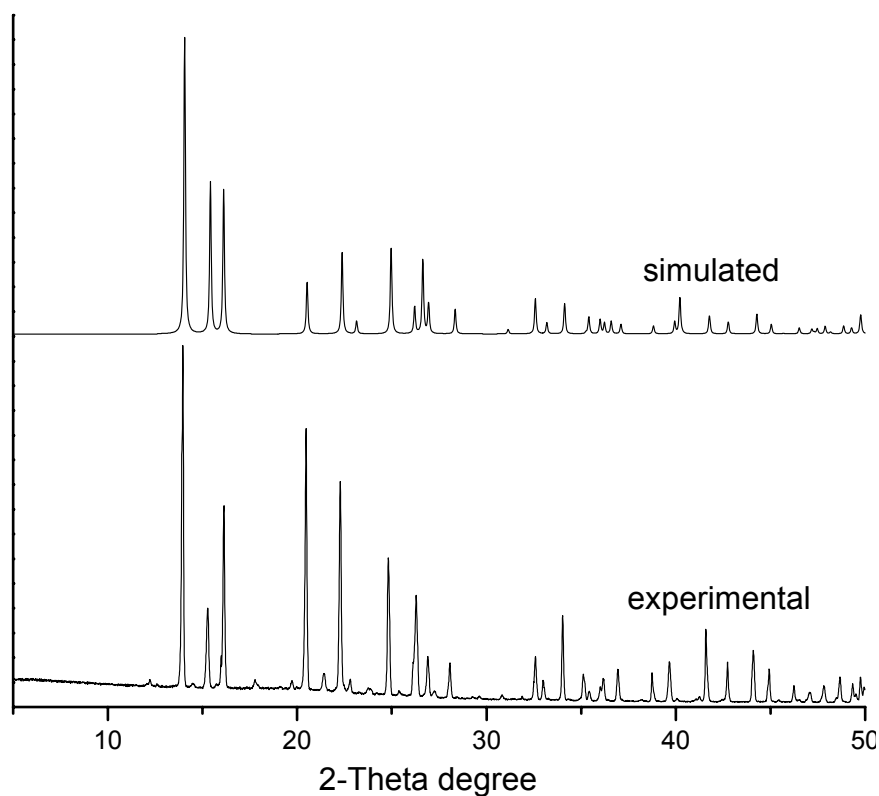


Table S2. Comparison of positions and indices of diffraction lines in the experimental and simulated PXRD patterns of sample 3.

Observed PXRD		Simulated PXRD		Indices hkl
2-Theta	d (Å)	2-Theta	d (Å)	
6.03	14.63	6.01	14.68	001
7.18	12.29	7.18	12.29	010
12.06	7.32	12.42	7.34	002
14.08	6.28	14.16	6.24	11-1
14.84	5.96	14.87	5.95	10-2
15.09	5.86	15.04	5.88	012
15.85	5.58	15.83	5.59	102
16.36	5.41	16.39	5.40	1-2-1
16.88	5.24	16.97	5.21	11-2
18.99	4.66	19.08	4.64	2-11
19.80	4.48	19.93	4.45	10-3
21.02	4.22	21.21	4.18	11-3
21.41	4.14	21.50	4.12	03-1

Figure S2. Experimental PXRD pattern of sample 3

