Supporting Information

Activated carbon supported hafnium(IV) chloride as an efficient, recyclable, and facile removable catalyst for expeditious parallel synthesis of benzimidazoles

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1H NMR and 13C NMR spectra of new compounds

Figure S1. 1H NMR Spectrum of 3{2,1}

Figure S2. 13C NMR Spectrum of 3{2,1}
Figure S3. $^1$H NMR Spectrum of 3{2,4}

Figure S4. $^{13}$C NMR Spectrum of 3{2,4}
Figure S5. $^1$H NMR Spectrum of 3{2,6}

Figure S6. $^{13}$C NMR Spectrum of 3{2,6}
Figure S7. $^1$H NMR Spectrum of 3{2,9}

Figure S8. $^{13}$C NMR Spectrum of 3{2,9}
Figure S9. $^1$H NMR Spectrum of 3{3,1}

Figure S10. $^{13}$C NMR Spectrum of 3{3,1}
Figure S11. $^1$H NMR Spectrum of 3[3,7]

Figure S12. $^{13}$C NMR Spectrum of 3[3,7]
Figure S13. $^1$H NMR Spectrum of 3[3,8]

Figure S14. $^{13}$C NMR Spectrum of 3[3,8]
Figure S15. $^1$H NMR Spectrum of 3\{4,5\}

Figure S16. $^{13}$C NMR Spectrum of 3\{4,5\}
Figure S17. $^1$H NMR Spectrum of 3(5,9)

Figure S18. $^{13}$C NMR Spectrum of 3(5,9)
Figure S19. $^1$H NMR Spectrum of 3{6,3}

Figure S20. $^{13}$C NMR Spectrum of 3{6,3}
Figure S21. $^1$H NMR Spectrum of 3\{6,5\}

Figure S22. $^{13}$C NMR Spectrum of 3\{6,3\}
Figure S23. $^1$H NMR Spectrum of $3\{6,6\}$

Figure S24. $^{13}$C NMR Spectrum of $3\{6,6\}$
Figure S25. $^1$H NMR Spectrum of $3\{6,8\}$

Figure S26. $^{13}$C NMR Spectrum of $3\{6,8\}$
Figure S27. $^1$H NMR Spectrum of 3{6,10}

Figure S28. $^{13}$C NMR Spectrum of 3{6,10}
Figure S29. $^1$H NMR Spectrum of $\text{3[7,1]}$

Figure S30. $^{13}$C NMR Spectrum of $\text{3[7,1]}$
Figure S31. $^1$H NMR Spectrum of 3[7,6]

Figure S32. $^{13}$C NMR Spectrum of 3[7,6]
Figure S33. $^1$H NMR Spectrum of $3(7,9)$

Figure S34. $^{13}$C NMR Spectrum of $3(7,9)$
Figure S35. $^1$H NMR Spectrum of 3{8, I}

Figure S36. $^{13}$C NMR Spectrum of 3{8, I}
Figure S37. $^{1}H$ NMR Spectrum of 3{9,7}

Figure S38. $^{13}C$ NMR Spectrum of 3{9,7}