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One-pot synthesis of pyrroles using a titanium-catalyzed multicomponent coupling procedure

Cody Pasko, Amila A. Dissanayake, Brennan S. Billow, Aaron L. Odom

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#### ACCEPTED MANUSCRIPT

### **Graphical Abstract**

# One-pot synthesis of pyrroles using a titanium-catalyzed multicomponent coupling procedure

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Cody M. Pasko, Amila A. Dissanayake, Brennan S. Billow and Aaron L. Odom\* *Michigan State University, Department of Chemistry, 578 S. Shaw Ln, East Lansing, MI 48824* 

$$H_2NR'$$
  $R^3$   $Ti$  catalyst  $\begin{bmatrix} R^2 & NR' \\ R^3 & NHR^4 \end{bmatrix}$   $H_2N$   $H_2N$   $H_2N$   $H_2N$   $H_3N$   $H_4N$   $H_4N$   $H_4N$   $H_5N$   $H_5N$ 

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