

RSC Mechanochemistry

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See Stéphane Manuel *et al.*, pp. 228–234. Image reproduced by permission of Stéphane Manuel from *RSC Mechanochem.*, 2024, 1, 228.

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Mechanochemical synthesis of Zn-bionanohybrids: size effect at the nanoscale to improve their enzyme-like activity

Carla Garcia-Sanz, Laura Guijarro, Mirosława Pawlyta and Jose M. Palomo*



- Solvent-free
- Reduction in synthesis time
- Smaller structures
- Enhancement of the catalytic activity



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Mechanochemical synthesis of β -cyclodextrin urea derivatives under reactive CO_2 atmosphere by Staudinger aza-Wittig reaction

Sawssen Nasri, Maxime Lestoquoy, Anne Ponchel, Eric Monflier and Stéphane Manuel*



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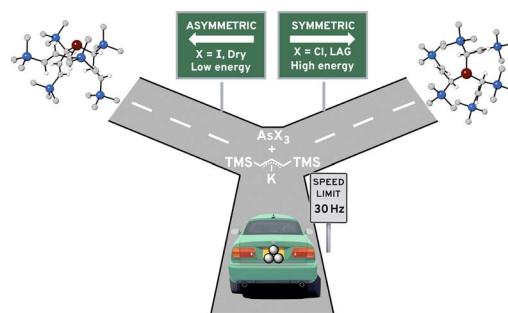


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James D. Thorpe, Julian Marlyn, Stefan G. Koenig and Masad J. Damha*

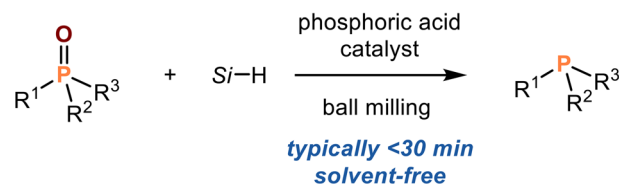


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Mechanochemistry enabled highly efficient solvent-free deoxygenation of phosphine oxides in air

Koji Kubota,* Reon Hisazumi, Tamae Seo and Hajime Ito*

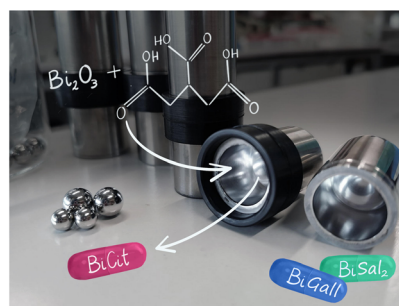
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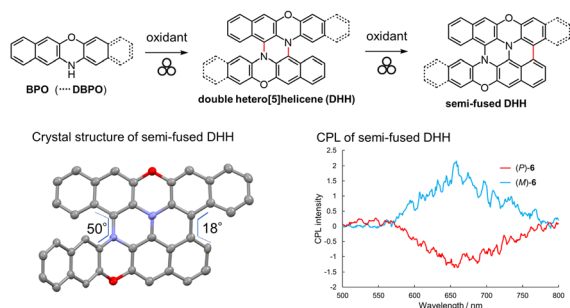
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Mohamed Ammar, Ricardo Bortoletto-Santos, Caue Ribeiro, Lihua Zhang and Jonas Baltrusaitis*

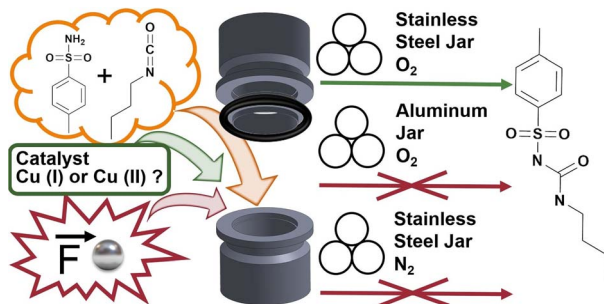
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Completely solvent-free synthesis of double heterohelicenes and their further ring fusion using mechanochemical reaction

Honoka Sada, Daisuke Sakamaki,* Masayuki Gon, Kazuo Tanaka, Takashi Hirose and Hideki Fujiwara*

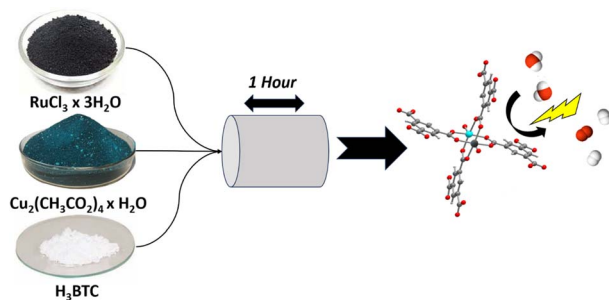
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Kathleen Floyd, Lori Gonnet, Tomislav Friščić* and James Batteas*

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Linda Sondermann, Quentin Smith, Till Strothmann, Annette Vollrath, Thi Hai Yen Beglau and Christoph Janiak*

