RSC Mechanochemistry

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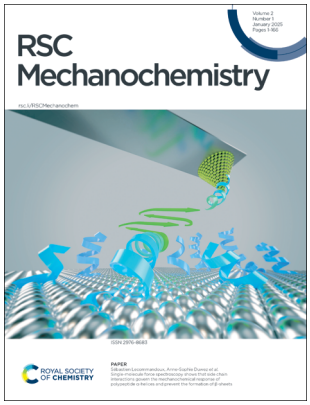

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See Sébastien Lecommandoux, Anne-Sophie Duwez *et al.*, pp. 37–44. Image reproduced by permission of Anne-Sophie Duwez from *RSC Mechanochem.*, 2025, **2**, 37.

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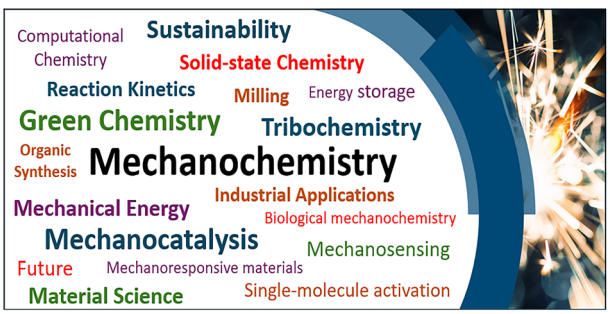

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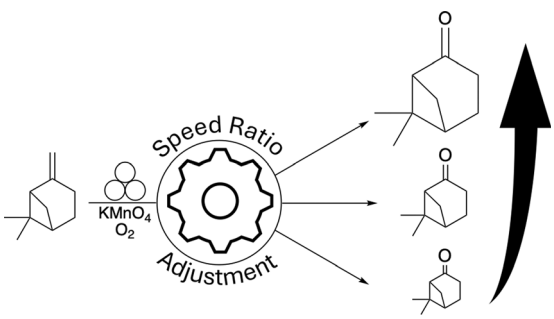

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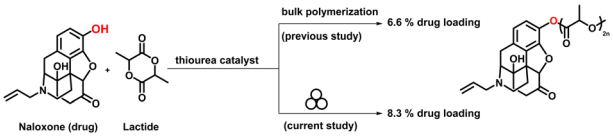

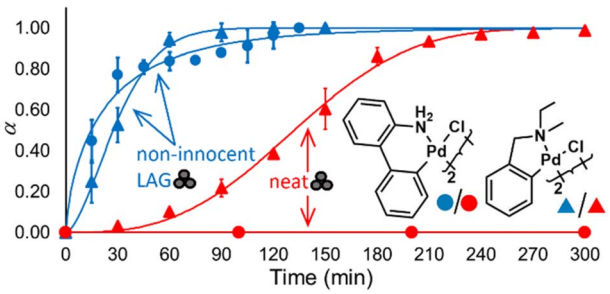

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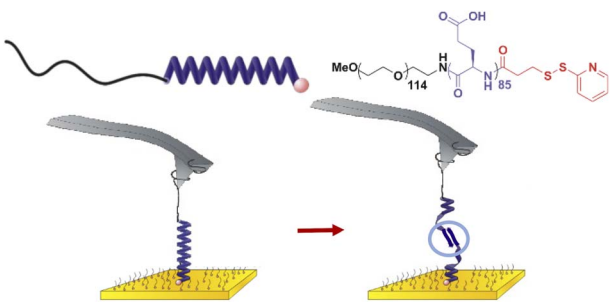

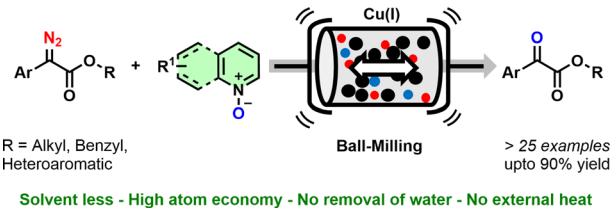

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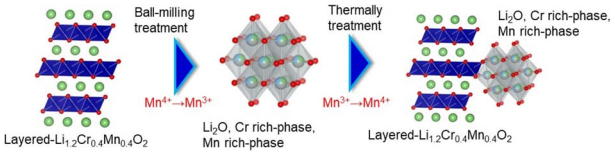

Cathode properties of a controlled crystallinity nano-$Li_{1.2}Cr_{0.4}Mn_{0.4}O_2$ cathode for lithium ion batteries

Ayuko Kitajou,* Shohei Matsuda, Koji Ohara, Kazutaka Ikeda and Shunsuke Muto

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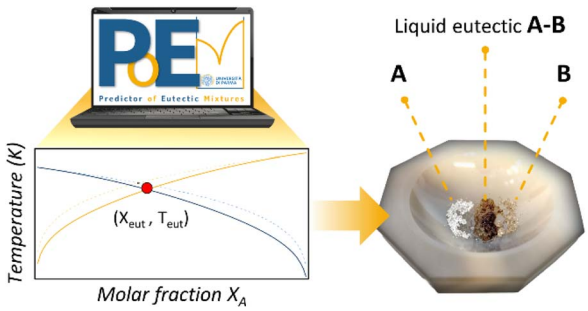

A method to predict binary eutectic mixtures for mechanochemical syntheses and cocrystallizations

Michele Prencipe, Paolo P. Mazzeo and Alessia Bacchi*

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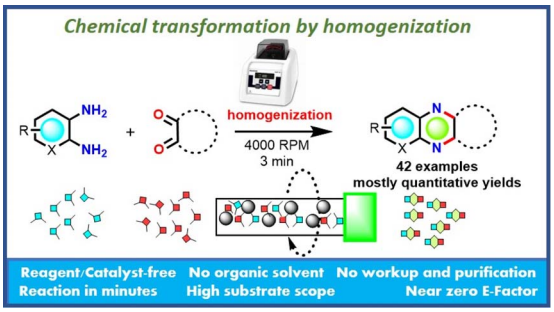

Homogenization offers access to quinoxalines in minutes: a solvent-free, catalyst-free protocol with a near-zero *E*-factor

Abboy Chatterjee, Didreekshya Mahanta, Shamima Hussain, Amrita Chatterjee* and Mainak Banerjee*

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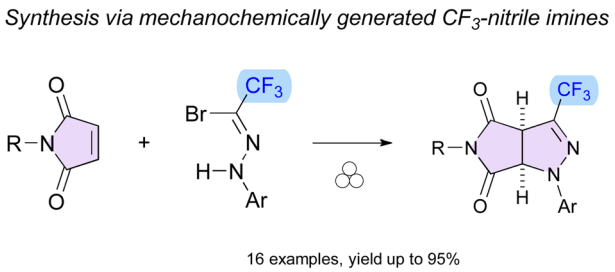

Trapping *in situ* generated CF_3-nitrile imines with maleimides under solvent-free mechanochemical conditions

Greta Utecht-Jarzyńska, Szymon Jarzyński and Marcin Jasiński*

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Mechanochemical synthesis of rock salt-type Na_2CaSnS_4 as a sodium-ion conductor

Hamdi Ben Yahia,* Atsushi Sakuda and Akitoshi Hayashi*