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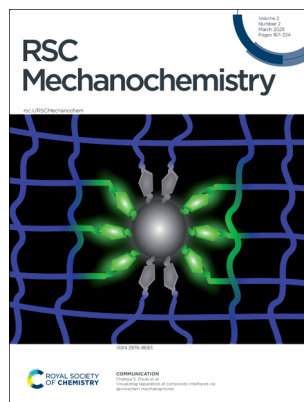
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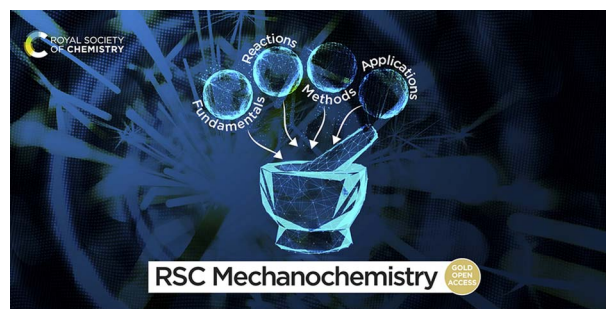
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See Chelsea S. Davis *et al.*, pp. 178–183. Image reproduced by permission of Chelsea S. Davis from *RSC Mechanochem.*, 2025, 2, 178.

EDITORIAL

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Shaken not stirred: procedures in mechanochemical syntheses and how to define them

James Batteas and Tomislav Friščić

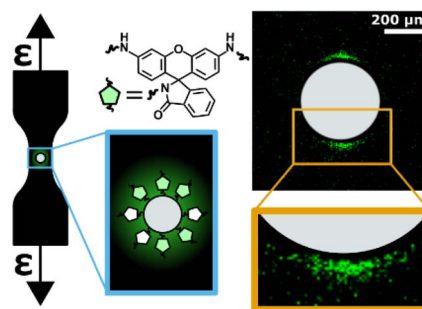


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Visualizing separation at composite interfaces via spiro lactam mechanophores

Jared A. Gohl, Tyler J. Roberts, Anna C. Freund, Nazmul Haque, Lisa M. Rueschhoff, Luke A. Baldwin and Chelsea S. Davis*



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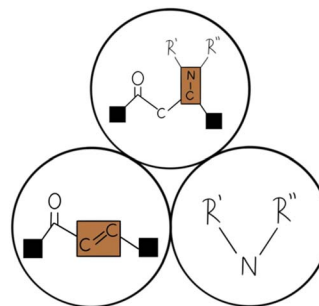
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Aza-Michael addition by ball milling

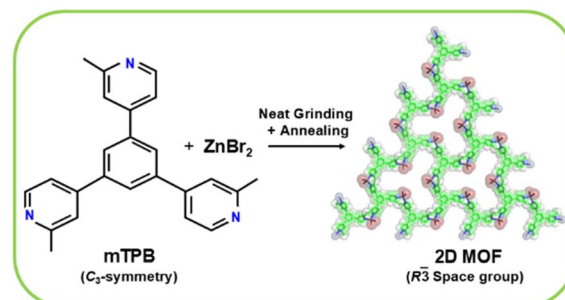
Leonarda Vugrin, Alen Bjelopetrović and Ivan Halasz*



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Stefano Elli, Manfredi Caruso, Alessandro Sacchetti and Javier Martí-Rujas*

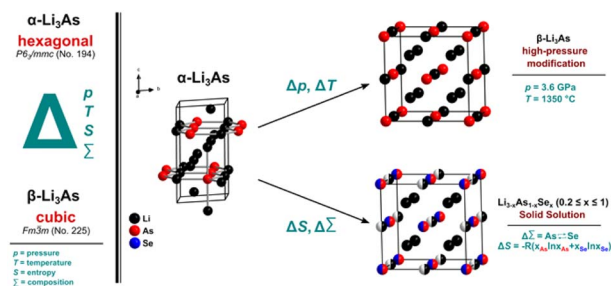


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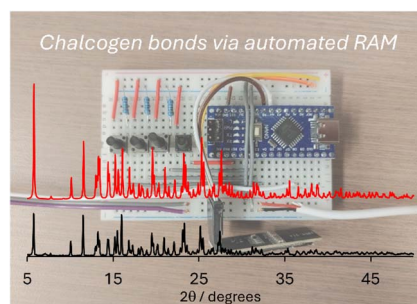
Martin Schmid, Florian Pielhofer and Arno Pfitzner*



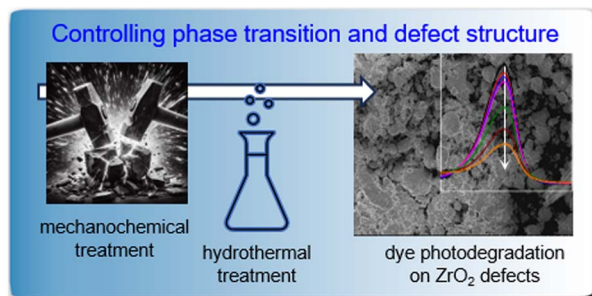
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Chalcogen-bonded cocrystals and salt cocrystals via automated resonant acoustic mixing with a button operative bot

Grace E. Cosby, Téodor Iftemie, Alireza Nari and David L. Bryce*



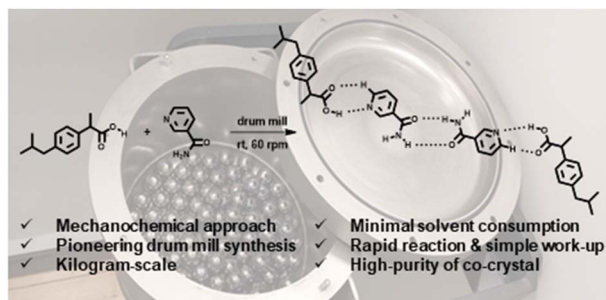
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Combined hydrothermal and mechanochemical control of structural modifications of zirconium dioxide for catalytic applications

V. Sydorhuk, S. Levytska, O. Kiziun, L. Vasylechko, K. Simkovicova, S. Valtera, B. E. Billingham, S. Vajda and J. E. Olszowka*

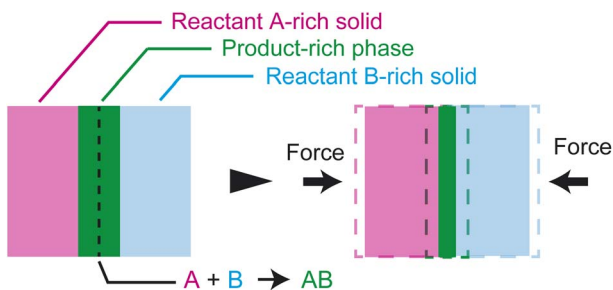
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Jan-Hendrik Schöbel, Frederik Winkelmann, Joel Bicker and Michael Felderhoff*

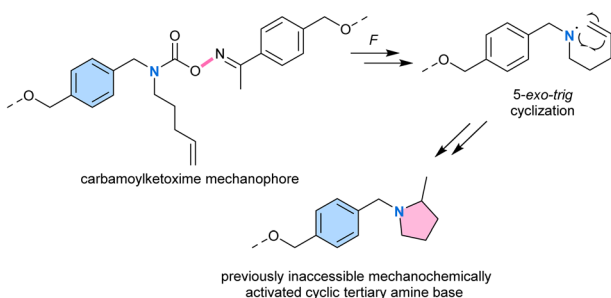
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Tetsuya Yamamoto,* Koji Kubota, Yu Harabuchi and Hajime Ito

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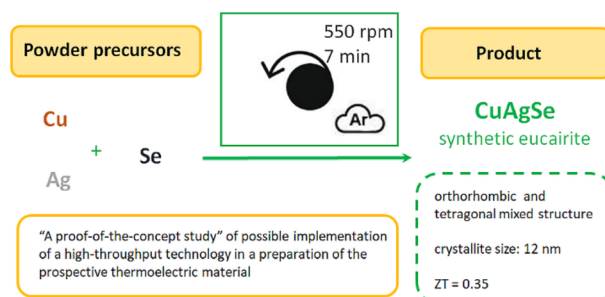
Sonja Storch, Davide Campagna, Simay Aydonat and Robert Göstl*



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Dáša Drenčaková, Marcela Achimovičová,* Matej Baláž, Jiří Navrátil, Erika Tóthová, Maksym Lisnichuk, Jaroslav Briančin, Viktor Puchý and Tomáš Plecháček

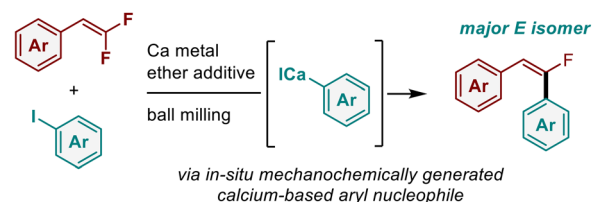


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Direct arylation of *gem*-difluorostyrenes using *in situ* mechanochemically generated calcium-based heavy Grignard reagents

Xihong Wang, Yamato Fukuzawa, Pan Gao, Julong Jiang, Satoshi Maeda, Koji Kubota* and Hajime Ito*

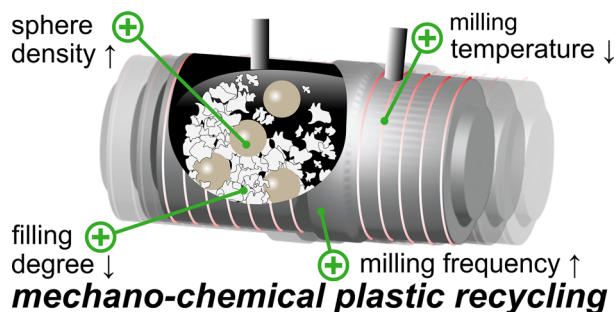
First nucleophilic substitution of C(sp²)-F bond by arylcalcium species



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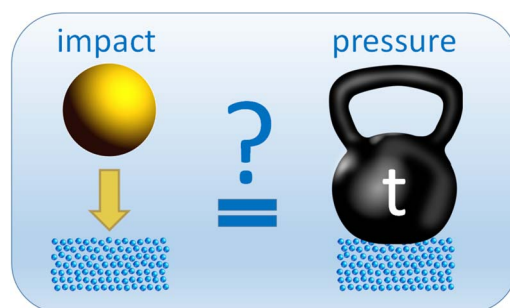
Adrian H. Hergesell, Claire L. Seitzinger, Justin Burg, Renate J. Baarslag and Ina Vollmer*



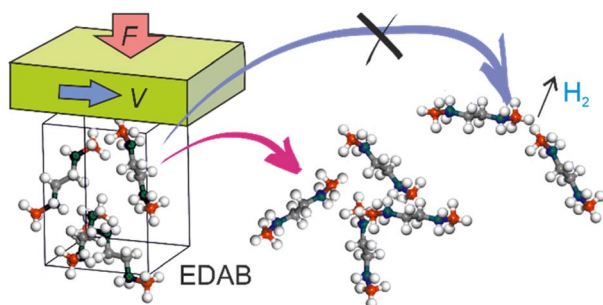
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Pressure as the driving force for mechanochemical reactions on the example of ion metathesis of alkali halides upon ball milling

Wolfgang Schmidt,* Pit Losch, Hilke Petersen, Martin Etter, Florian Baum, Jan Ternieden and Claudia Weidenthaler*



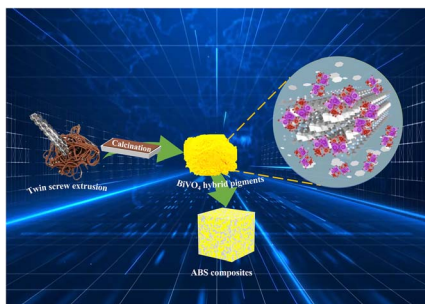
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Exploring tribochemical transduction pathways for dehydrogenation of molecular hydrides

Esmeralda Muñoz-Cortés, Fabrice Leardini, Marcello Conte, Adolfo del Campo, Eduardo Flores, Jose Ramon Ares and Roman Nevshupa*

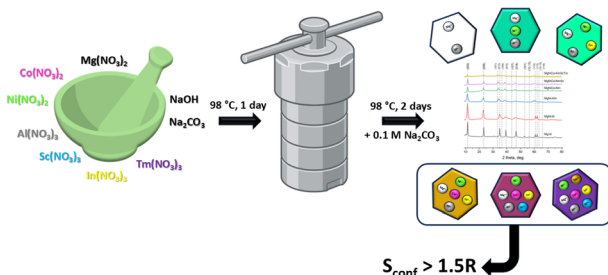
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Twin screw extrusion mechanochemical preparation of BiVO₄ hybrid pigments for coloring and reinforcing of acrylonitrile-butadiene-styrene

Lei Wu, Bin Mu,* Hao Yang, Zhaoli Wang, Yongfeng Zhu, Hui Dou and Aiqin Wang*

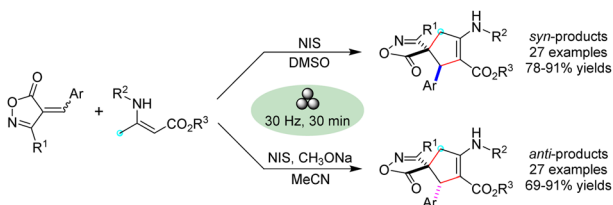
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Increasing the number of cations in layered double hydroxides *via* mechanochemically complemented synthesis: the more the merrier, or not?

Evgeniy Seliverstov,* Maksim Yapyrintsev, Evgeniya Tarasenko and Olga Lebedeva

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Chemodivergent and diastereoselective synthesis of *syn*- and *anti*-cyclopentenyl spiroisoxazolones under ball-milling conditions

Peng Xu, Ming-Jun Li, Honglin Diao, Ning Shao, Zeng-Yang He, Shi-Zhu Fan, Ze Zhang* and Hui Xu*

