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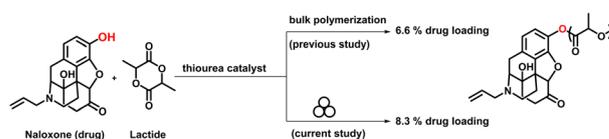
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COMMUNICATIONS

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Naloxone-initiated mechanochemical synthesis of poly(lactic acid)

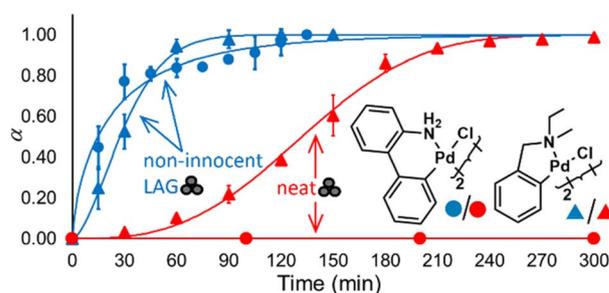
Mohammad A. Ebqa'ai,
Sandun Bogahawaththa Kasthuri Dias, Andrew J. Kassick,
Saadyah Averick and Toby L. Nelson*



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Experimental and kinetic modelling study of NC palladacycles mechanosynthesis

Rachel J. Allenbaugh,* Tia M. Ariagno and Jeffrey Selby

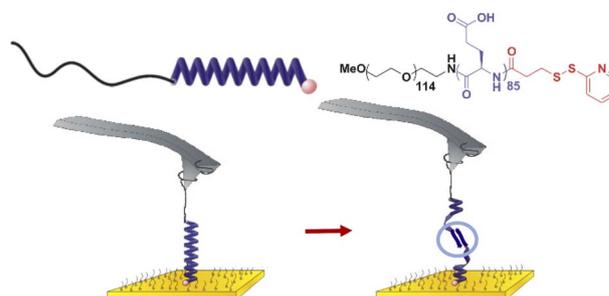


PAPERS

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Single-molecule force spectroscopy shows that side chain interactions govern the mechanochemical response of polypeptide α -helices and prevent the formation of β -sheets

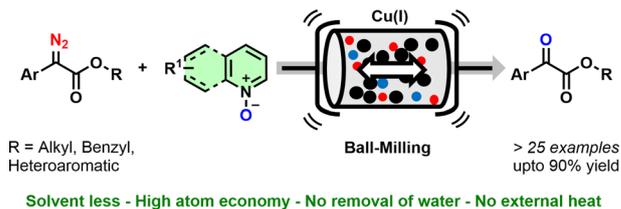
Marie Asano, Damien Sluysmans, Nicolas Willet,
Colin Bonduelle, Sébastien Lecommandoux*
and Anne-Sophie Duwez*



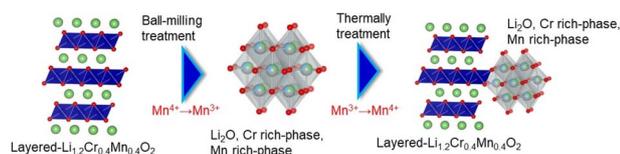
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Eco-friendly anaerobic oxidation of aryl diazo esters with heterocyclic N -oxide under ball milling: synthesis of 1,2-dicarbonyl systems

Souvik Guha, Subhabrata Sen* and Ludovic Gremaud*



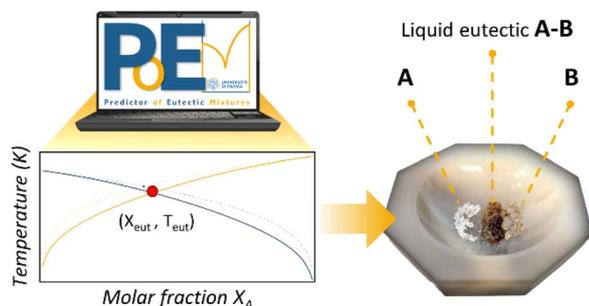
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Cathode properties of a controlled crystallinity nano-Li_{1.2}Cr_{0.4}Mn_{0.4}O₂ cathode for lithium ion batteries

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

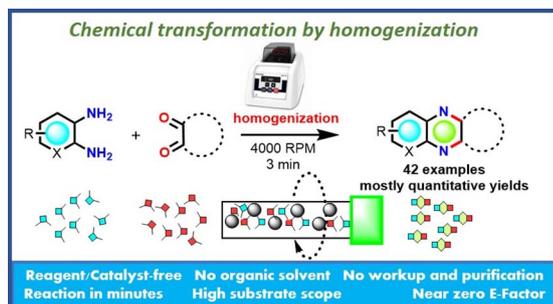
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A method to predict binary eutectic mixtures for mechanochemical syntheses and cocrystallizations

Michele Prencipe, Paolo P. Mazzeo and Alessia Bacchi*

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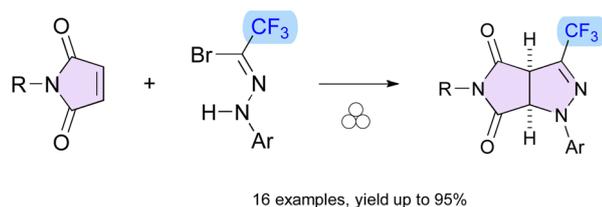


Homogenization offers access to quinoxalines in minutes: a solvent-free, catalyst-free protocol with a near-zero E-factor

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

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Synthesis via mechanochemically generated CF₃-nitrile imines



Trapping *in situ* generated CF₃-nitrile imines with maleimides under solvent-free mechanochemical conditions

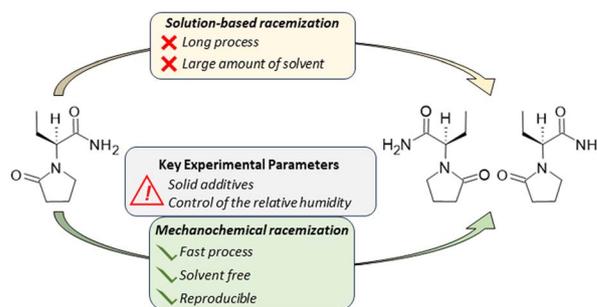
Greta Utecht-Jarzyńska, Szymon Jarzyński and Marcin Jasiński*



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Efficient racemization of the pharmaceutical compound Levetiracetam using solvent-free mechanochemistry

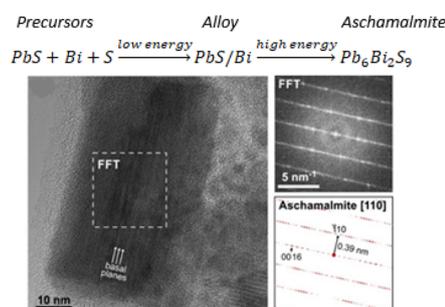
Chrystal Lopes, Lucia Casali, Franziska Emmerling, Tom Leysens, Valérie Dupray, Clement Brandel* and Yohann Cartigny*



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Rapid mechanochemical synthesis and properties in Pb–Bi–S system

Peter Baláž, Erika Dutková,* Nina Daneu, Michal Hegedüs, Matej Baláž, Emmanuel Guilmeau, Róbert Džunda, Mária Bali-Hudáková, Veronika Garbárová, Jianzhong Jiang and Marcela Achimovičová



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Coordination polymers containing dimeric Cu₂X₂ and polymeric (CuI)_n clusters linked by unsymmetrical isomeric pyridine-benzimidazole linkers: modulating photophysical properties by mechanical stimuli

Prantik Dutta, Abhijit Garai and Kumar Biradha*

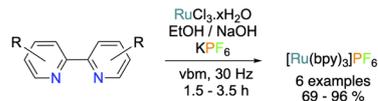


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Mechanosynthesis of ruthenium trisbipyridyl complexes and application in photoredox catalysis in a ball-mill

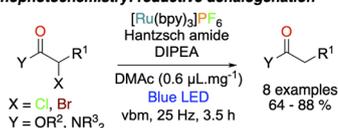
Florian Luttringer, Matthieu Lavayssiere, Enita Rastoder, Nikita Salov, Tristan Gravelet, François Quintin, Julien Pinaud, Frédéric Lamaty and Xavier Bantreil*

Mechanosynthesis of photoredox catalysts

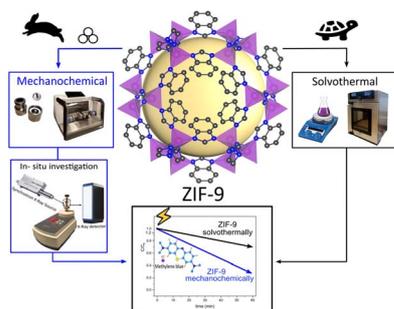


- ✓ Solventless conditions
- ✓ Easy purification with acidic washings
- ✓ Short reaction time
- ✓ New transparent material for milling jars

Mechanophotocatalysis: reductive dehalogenation



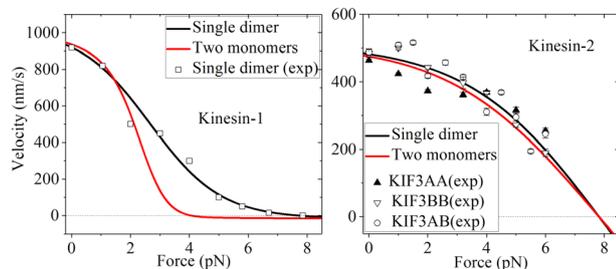
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Mechanochemical ZIF-9 formation: *in situ* analysis and photocatalytic enhancement evaluation

Noelia Rodríguez-Sánchez, Carsten Prinz, Ralf Bienert, Menta Ballesteros, A. Rabdel Ruiz Salvador, Biswajit Bhattacharya* and Franziska Emmerling*

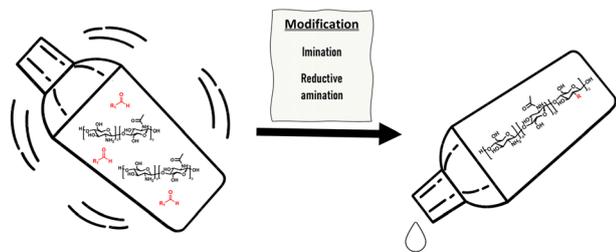
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Mechanochemical coupling of two coupled kinesin monomers: comparison with that of the single dimer

Ping Xie*

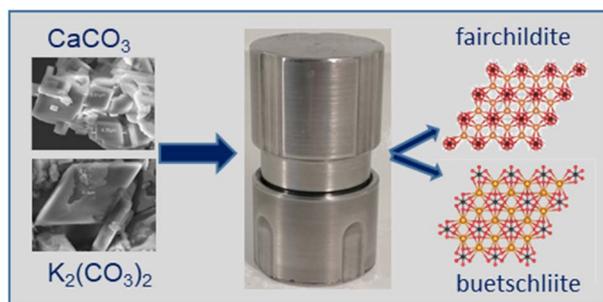
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Shaking up conjugates between chitosan and aldehydes via mechanochemistry

Casper Van Poucke, Sven Mangelinckx and Christian V. Stevens*

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Mechanochemical synthesis and transformation of the polymorphic double carbonates fairchildite and buetschliite, $(K_2Ca(CO_3)_2)$: an *in situ* X-ray powder diffraction study

Volker Kahlenberg,* Doris E. Braun, Wolfgang Schmidt, Hang Liu, Sebastian Leiting and Claudia Weidenthaler*



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Mechanochemical synthesis of rock salt-type $\text{Na}_2\text{CaSnS}_4$ as a sodium-ion conductor

Hamdi Ben Yahia,* Atsushi Sakuda and Akitoshi Hayashi*

