

# RSC Mechanochemistry

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ISSN 2976-8683 CODEN RMSED4 1(5) 425–554 (2024)



**Cover**  
See Azhar Iqbal, Chenjiang Liu, Yonghong Zhang *et al.*, pp. 447–451. Image reproduced by permission of Yonghong Zhang from *RSC Mechanochem.*, 2024, 1, 447.



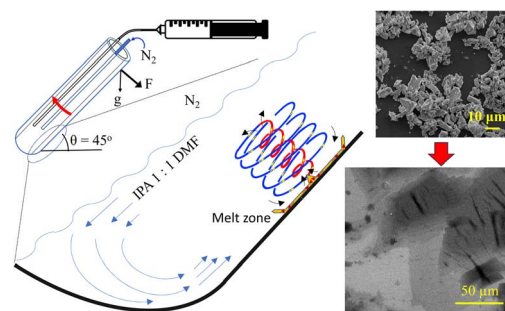
**Inside cover**  
See Ramesh Ch DeKa, Ranjit Thakuria *et al.*, pp. 452–464. Image reproduced by permission of Ranjit Thakuria from *RSC Mechanochem.*, 2024, 1, 452.

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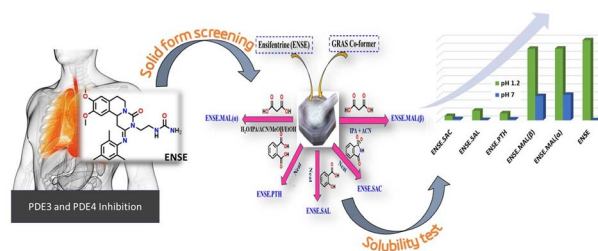
Fayed Abdullah Alrashaidi, Soraya Rahpeima, Xuan Luo, Kasturi Vimalanathan, Abdulrahman S. Alotabi, Thaar Alharbi, Xianjue Chen, Dechao Chen, Youhong Tang, Christopher Gibson, Nadim Darwish, Qin Li and Colin L. Raston\*



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### Mechanical approach for creating different molecular adducts and regulating salt polymorphs: a case study of the anti-inflammatory medication ensifentrine

Ananya Kar, Lopamudra Giri,\* Gowtham Kenguva, Smruti Rekha Rout and Rambabu Dandela\*



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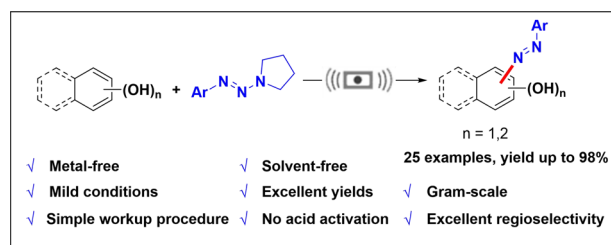
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Fundamental questions  
Elemental answers

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## Solvent-free mechanochemical synthesis of azo dyes

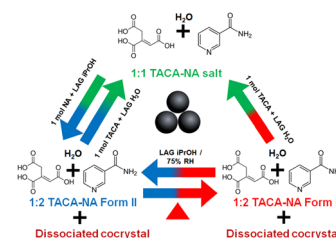
Lin Zhang, Qinglang Song, Yanxian Wang, Rui Chen, Yu Xia, Bin Wang, Weiwei Jin, Shaofeng Wu, Ziren Chen, Azhar Iqbal,\* Chenjiang Liu\* and Yonghong Zhang\*



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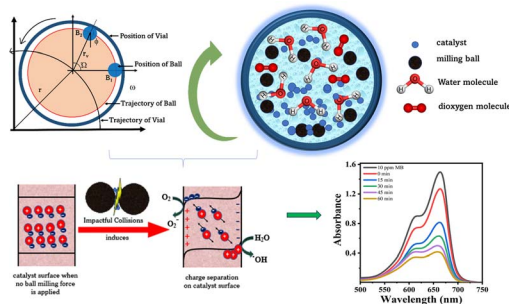
Diptajyoti Gogoi, Kalyan J. Kalita, Nishant Biswakarma, Mihails Arhangel'skis, Ramesh Ch Deka\* and Ranjit Thakuria\*



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Ball milling assisted mechano-catalytic dye degradation using SrTiO<sub>3</sub> nanoparticles

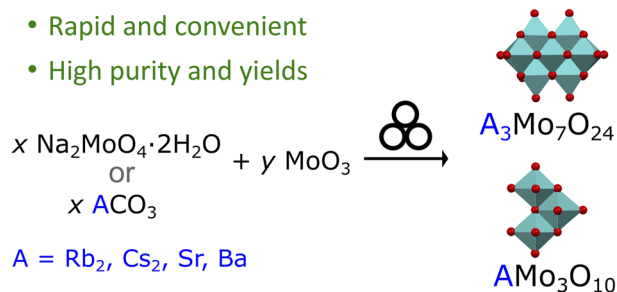
Aman Shukla, Akshay Gaur, Shivam Dubey and Rahul Vaish\*



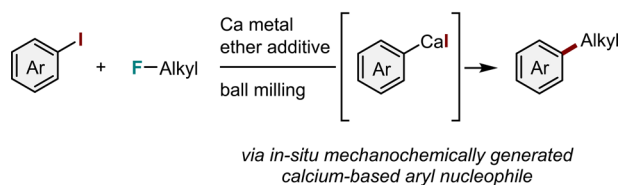
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Andres Lara-Contreras, Patrick Julien,\* Jennifer Scott and Emily C. Corcoran\*

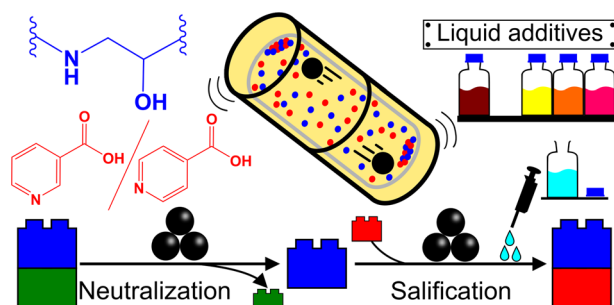


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Pan Gao, Julong Jiang, Yamato Fukuzawa, Satoshi Maeda, Koji Kubota\* and Hajime Ito\*

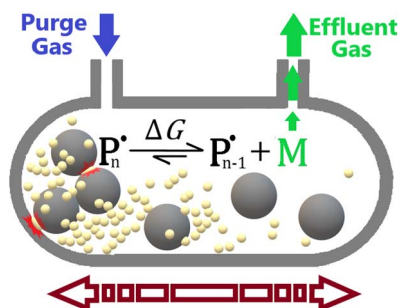
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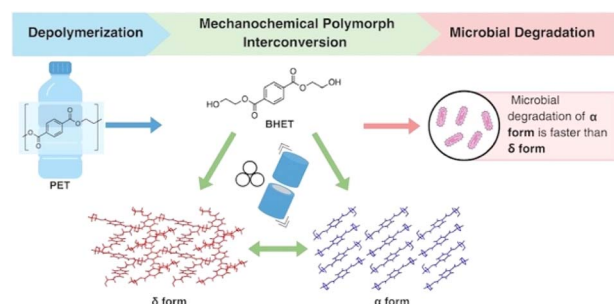
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Yuchen Chang, Van Son Nguyen, Adrian H. Hergesell, Claire L. Seitzinger, Jan Meisner, Ina Vollmer, F. Joseph Schork and Carsten Sievers\*

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Polymorphism control of polyethylene terephthalate (PET) degradation product *via* mechanochemistry leads to accelerated microbial degradation

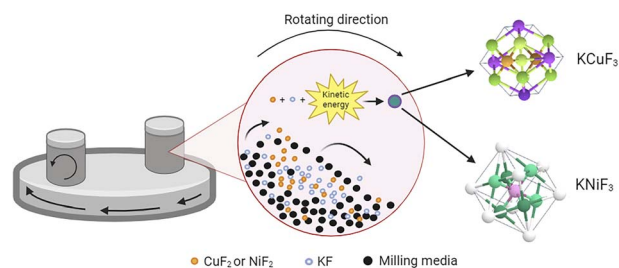
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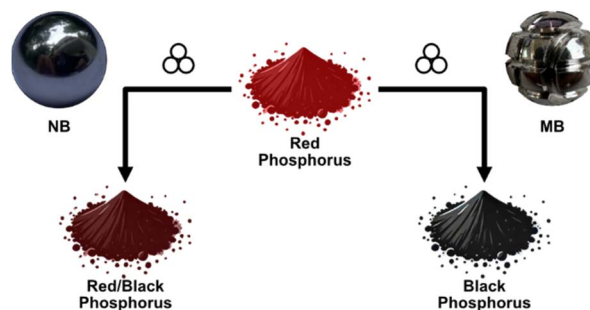
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Carlos Naranjo-Castañeda, Marco A. Leyva-Ramírez and Eusebio Juaristi\*

