

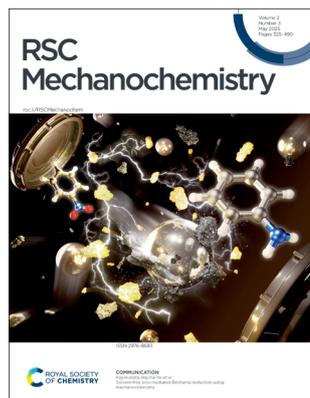
RSC Mechanochemistry

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See Koji Kubota, Hajime Ito *et al.*, pp. 389–393. Image reproduced by permission of Hajime Ito from *RSC Mechanochem.*, 2025, 2, 389.



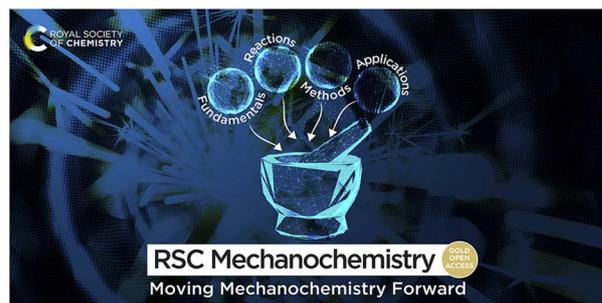
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See Xuhai Pan, Madeleine J. Bussemaker *et al.*, pp. 399–418. Image reproduced by permission of Yucheng Zhu *et al.* and Yanqing Zhu (co-creators of the image) from *RSC Mechanochem.*, 2025, 2, 399.

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Qing Chen, Zhi-Wei Li,* Siming Huang, Guosheng Chen* and Gangfeng Ouyang



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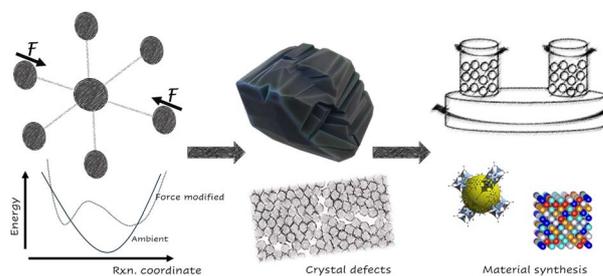
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Huanxin Zhang, Nathan Davison* and Erli Lu*

Mechanochemistry



Coordination Chemistry Challenges

-  Solvent-induced decomposition
-  Insoluble reactant
-  Unfavourable solvent coordination
- And more.....

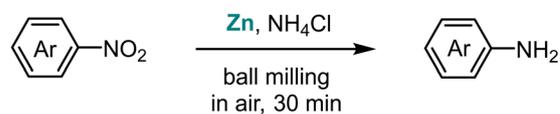
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Solvent-free zinc-mediated Béchamp reduction using mechanochemistry

Koji Kubota,* Asahi Nagao and Hajime Ito*

First mechanochemical protocol for Béchamp reduction

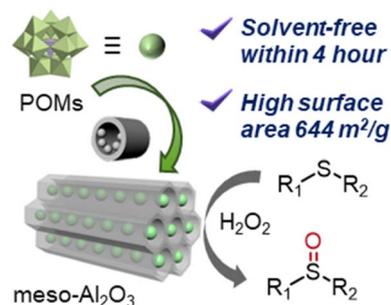


typically <30 min
solvent-free and air-tolerant

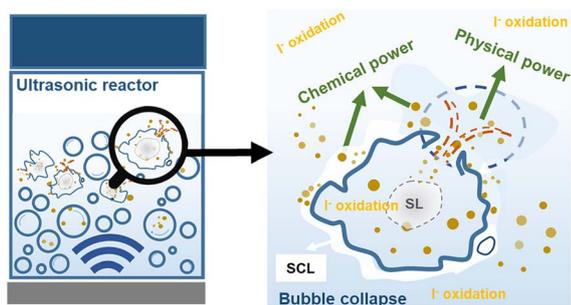
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Kang Xia, Shengtai Hou, Qiang Niu, Kosuke Suzuki and Pengfei Zhang*



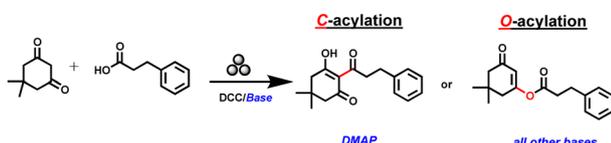
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Correlation of sonochemical activities measured via dosimetry and an area-selective analysis of sono(chemi)luminescence

Yucheng Zhu, Xueliang Zhu, Xuhai Pan,* Lian X. Liu and Madeleine J. Bussemaker*

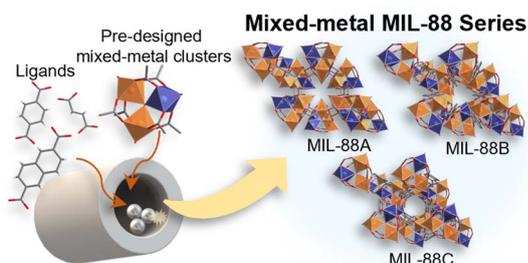
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Sally Nijem, Alexander Kaushansky, Svetlana Pucovski, Elisa Ivry, Evelina Colacino, Ivan Halasz and Charles E. Diesendruck*

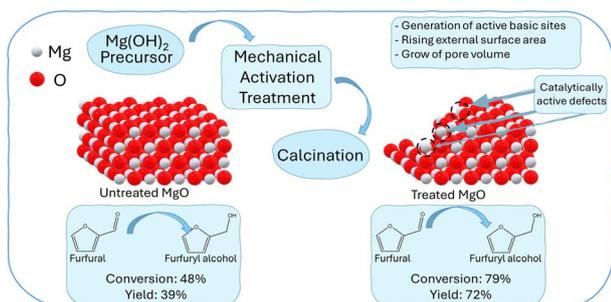
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Hong Kyu Lee and Hoi Ri Moon*

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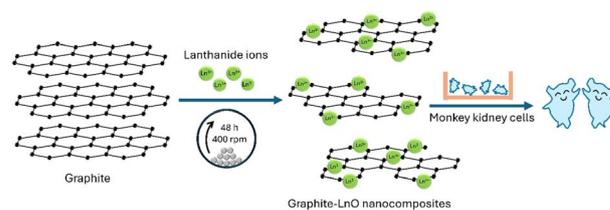
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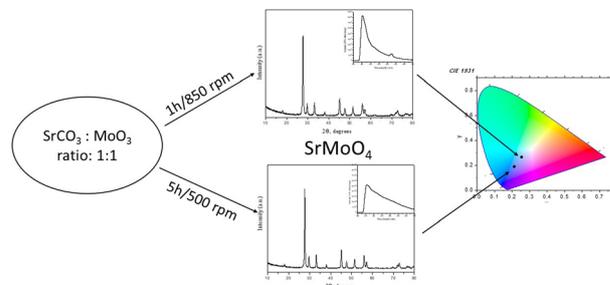


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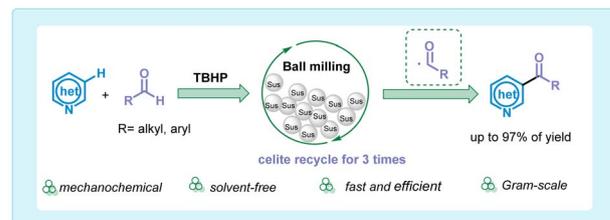
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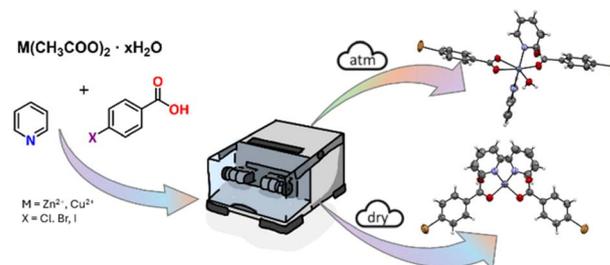
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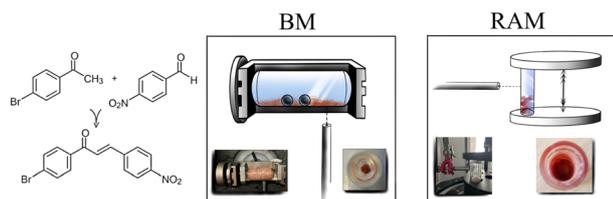
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Leonarda Vugrin, Christos Chatzigiannis, Evelina Colacino* and Ivan Halasz*

