

Energy Advances

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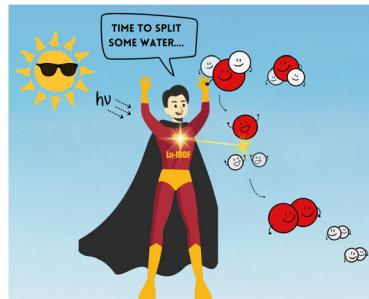
See Abdelrahman Mostafa, Matteo C. Romano *et al.*, pp. 624–638.
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Lia Tagliavini from
Energy Adv., 2025, 4, 624.

REVIEW

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Recent advances in lanthanide-based metal–organic frameworks for photocatalytic hydrogen evolution applications

Peter Danita Patricia and Rajadurai Vijay Solomon*

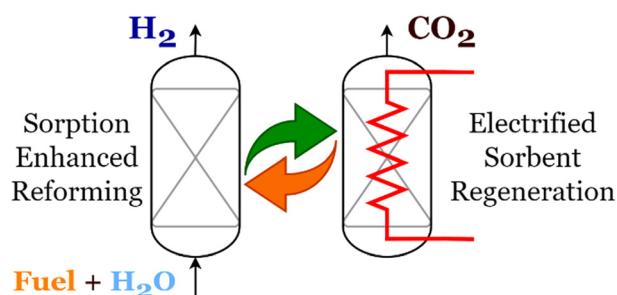


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A novel electrified sorption enhanced reforming process for blue hydrogen production

Abdelrahman Mostafa,* Alessandra Beretta, Gianpiero Groppi, Enrico Tronconi and Matteo C. Romano*



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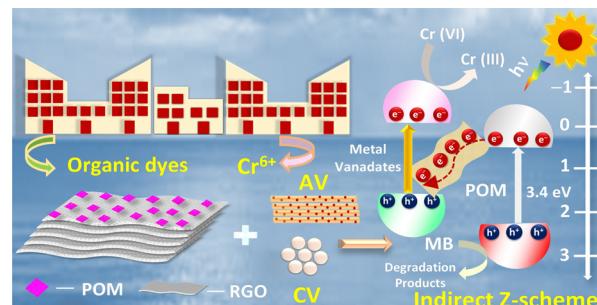


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Polyoxometalate-loaded reduced graphene oxide-modified metal vanadate catalysts for photoredox reactions through an indirect Z-scheme mechanism

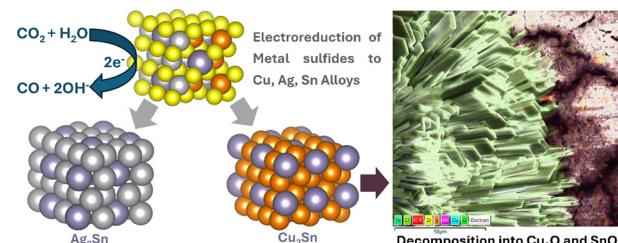
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***In situ* generation of Cu- and Ag–Sn alloys from metal sulfides for CO₂ reduction**

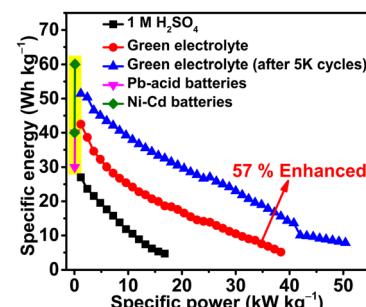
Sebastian A. Sanden, Anne Schmidt, Miłosz Kożusznik, Yannick Haver, Yannick Weidemann, Kevinjeorjos Pellumbi, Sven Rösler, Kai junge Puring, Andrzej Mikuła and Ulf-Peter Apfel*



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Durable, rate-capable and high-energy hybrid supercapacitor from PANI/ZnO/SnO₂ nanocomposite with zero-waste electrolyte approach

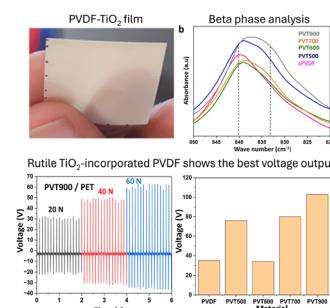
Aranganathan Viswanathan* and Vanchiappan Aravindan*



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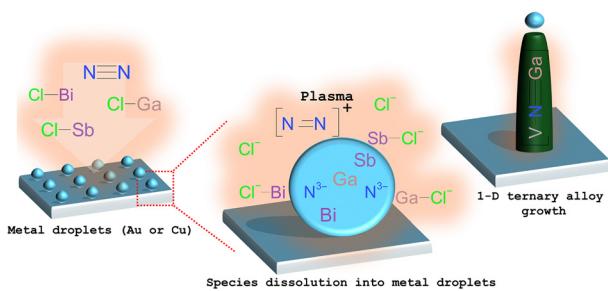
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Irthasa Aazem, Charchit Kumar, Ryan Walden, Aswathy Babu, Amit Goswami, Steven J. Hinder, Gaurav Khedelwal, Daniel M. Mulvihill, Gerard McGranaghan and Suresh C. Pillai*



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Dilute anion alloyed III-nitride nanowires for photoelectrochemical water splitting

S. J. Calero-Barney, A. C. Nouduri, A. N. Andriotis,
M. Menon and M. K. Sunkara*