Energy Advances

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See Yutaka Moritomo *et al.*, pp. 784–789. Image reproduced by permission of Yutaka Moritomo from *Energy Adv.*, 2024, **3**, 784.

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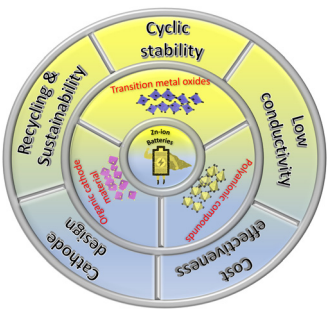
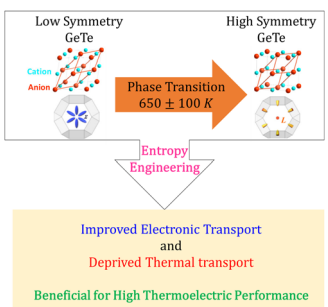
See R. Ajay Rakkesh *et al.*, pp. 676–688. Image reproduced by permission of Ajay Rakkesh Rajendran from *Energy Adv.*, 2024, **3**, 676.

REVIEWS





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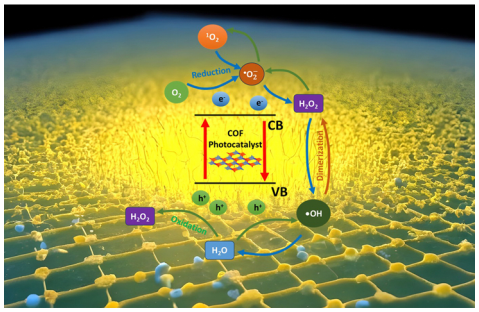

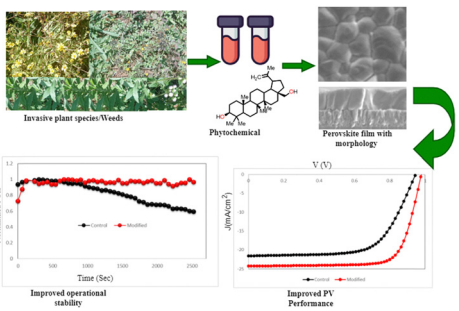

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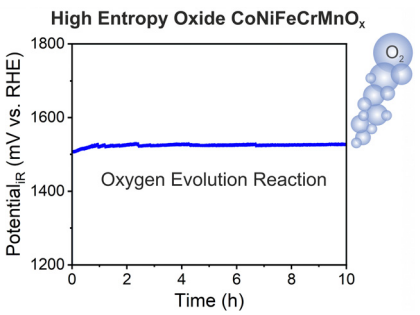

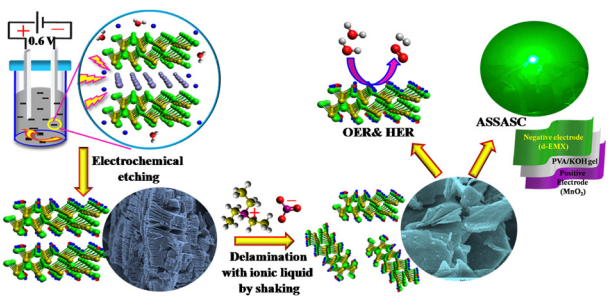

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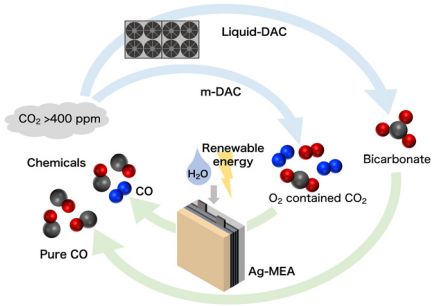

A membrane electrode assembly-type cell designed for selective CO production from bicarbonate electrolyte and air containing CO_2 mixed gas

Akina Yoshizawa, Manabu Higashi, Akihiko Anzai and Miho Yamauchi*

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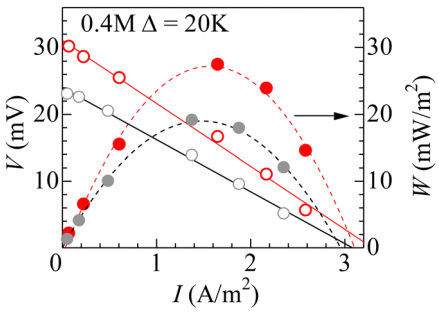
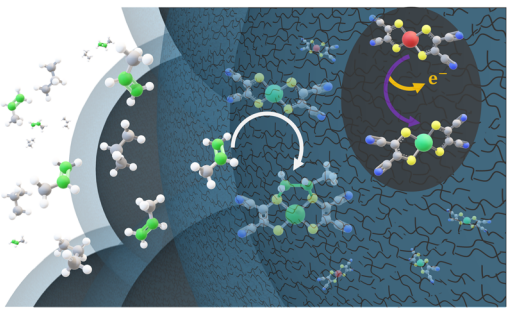


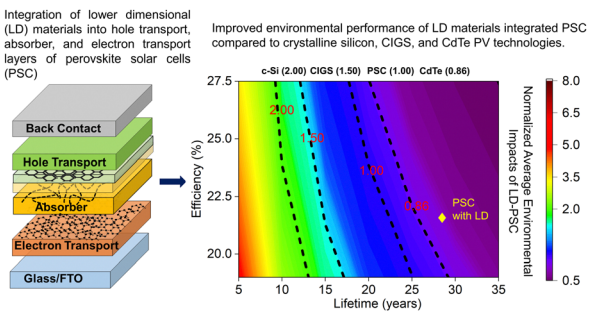
Precipitation enhancement of liquid thermoelectric conversion with $Fe(ClO_4)_2/Fe(ClO_4)_3$ dissolved in DMF

Akihiro Wake, Dai Inoue and Yutaka Moritomo*



Electrochemically modulated separation of olefin–paraffin gas mixtures in membrane electrode assemblies

Toshihiro Akashige, Adlai B. Katzenberg, Daniel M. Frey, Debdyuti Mukherjee, César A. Urbina Blanco, Brian Chen, Yoshiyuki Okamoto and Miguel A. Modestino*



Life cycle assessment of low-dimensional materials for perovskite photovoltaic cells

Achyuth Ravilla, Carlo A. R. Perini, Juan-Pablo Correa-Baena, Anita W. Y. Ho-Baillie and Ilke Celik*

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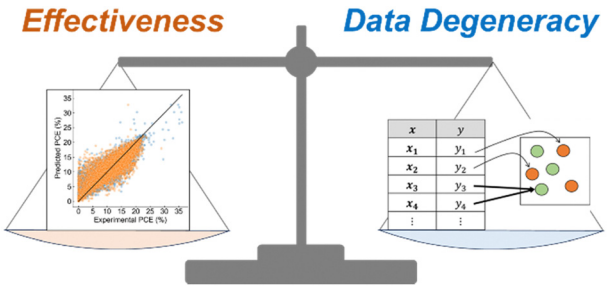

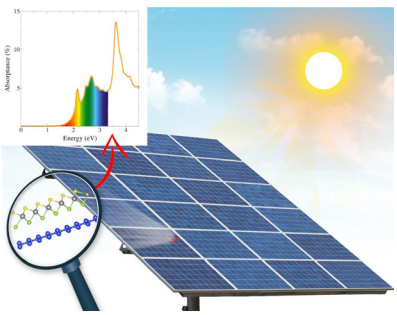

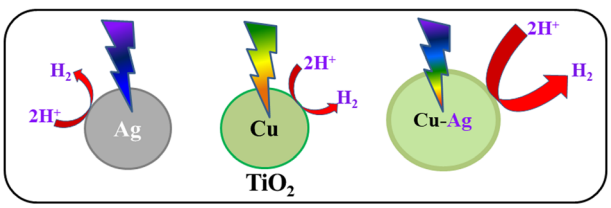

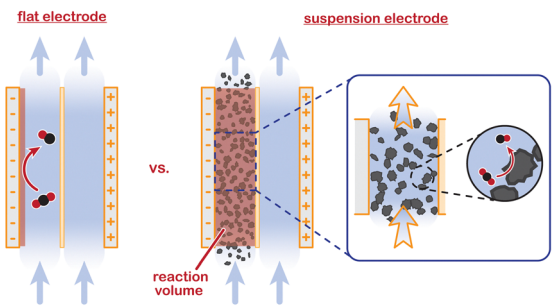

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