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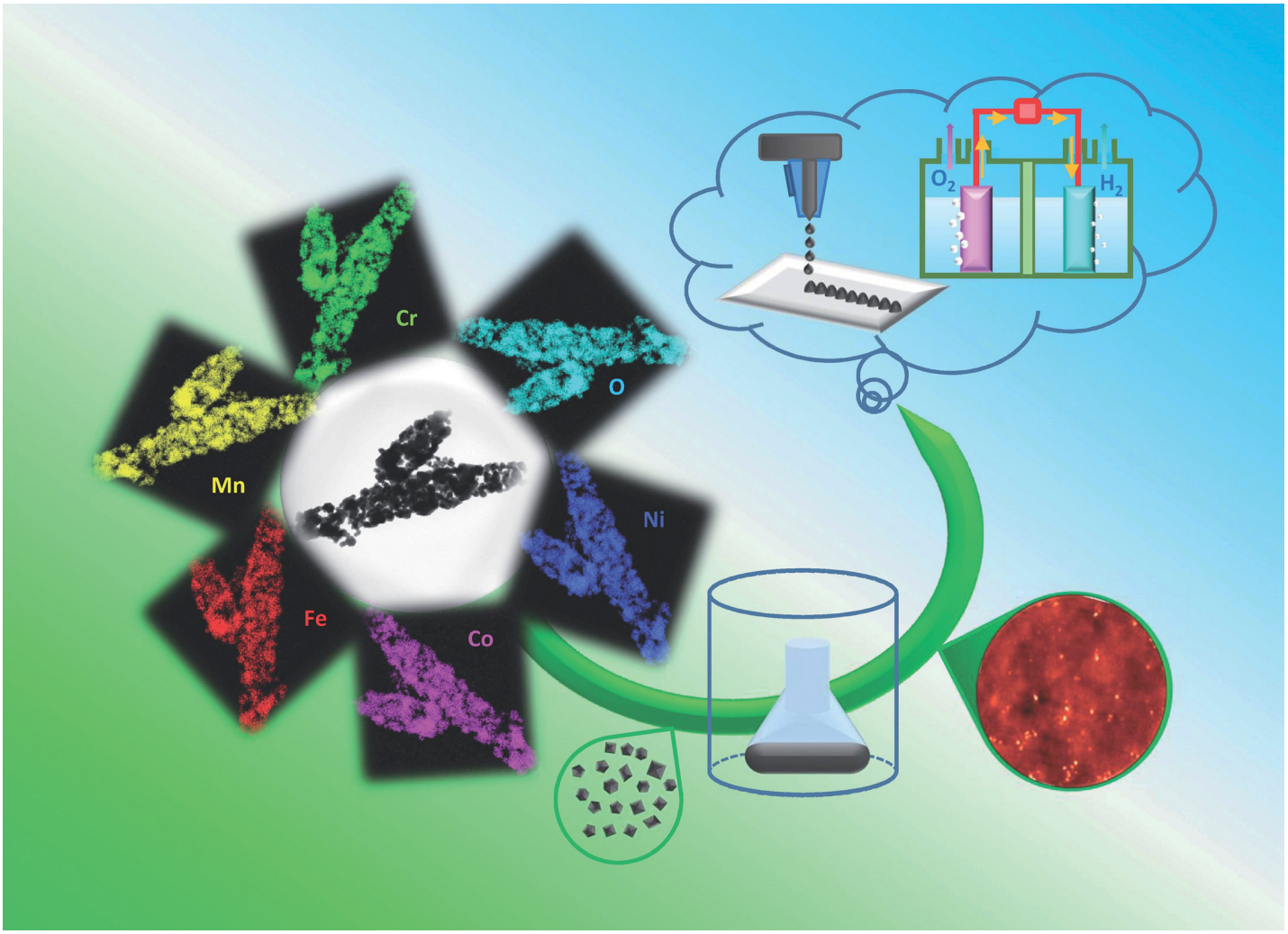
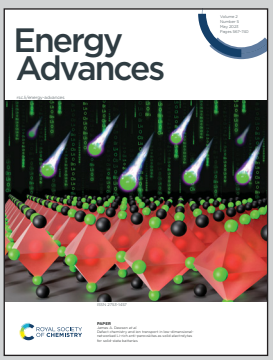


Showcasing research from Professor Saveria Santangelo's laboratory, DICEAM, Mediterranean University, Reggio Calabria, Italy.

Evaluation of electrospun spinel-type high-entropy $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Ni_{0.2})_3O_4$, $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Zn_{0.2})_3O_4$ and $(Cr_{0.2}Mn_{0.2}Fe_{0.2}Ni_{0.2}Zn_{0.2})_3O_4$ oxide nanofibers as electrocatalysts for oxygen evolution in alkaline medium

Electrospun spinel-type (Cr,Mn,Fe,Co,Ni), (Cr,Mn,Fe,Co,Zn) and (Cr,Mn,Fe,Ni,Zn) high-entropy oxide nanofibers are evaluated as electrocatalysts for oxygen evolution in alkaline medium. Their electrochemical performance depends on the metal combination and is understood in terms of occupation of octahedral sites by redox-active centers and oxygen vacancy surface defects. Thanks to the possibility of easily separating the small-sized grains that make up the fibres from each other, these materials have great potential as inkjet printable electrocatalysts.

As featured in:



See Ben Breitung, Saveria Santangelo *et al.*, *Energy Adv.*, 2023, **2**, 667.

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