

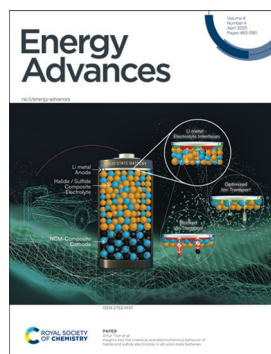
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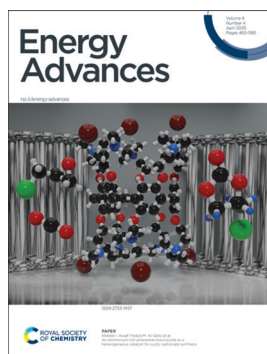
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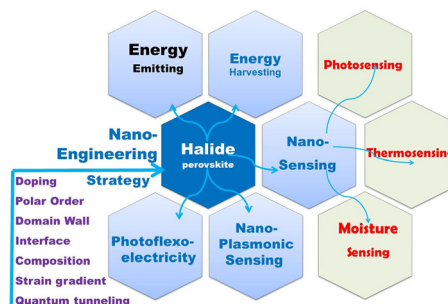
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REVIEW

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Nano-engineering halide perovskites: towards energy harvesting, nano-plasmonic sensing and photoflexoelectric applications

Taame Abraha Berhe,* Etsana Kiros Ashebir,
Wei-Nien Su* and Bing Joe Hwang*

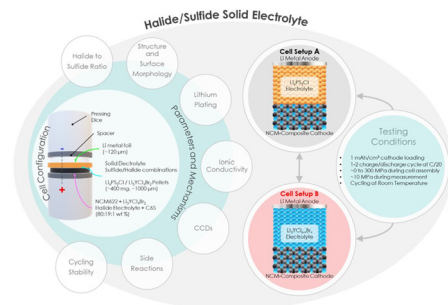


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Insights into the chemical and electrochemical behavior of halide and sulfide electrolytes in all-solid-state batteries

Artur Tron,* Alexander Beutl, Irshad Mohammad and
Andrea Paoletta



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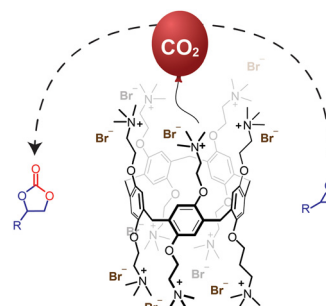
Fundamental questions
Elemental answers



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An ammonium rich pillararene macrocycle as a heterogeneous catalyst for cyclic carbonate synthesis

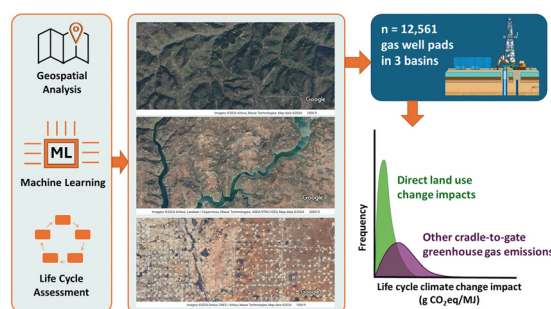
Khaleel I. Assaf,* Feda'a M. Al-Qaisi,* Ala'a F. Eftaiha, Abdussalam K. Qaroush, Ahmad M. Ala'mar and Majd M. Al-Fararjeh



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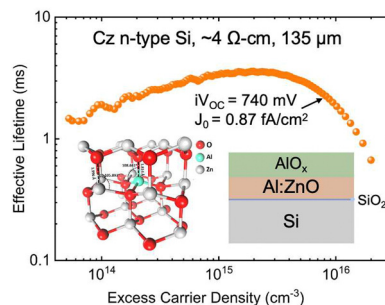
Amir Sharafi and Marie-Odile P. Fortier*



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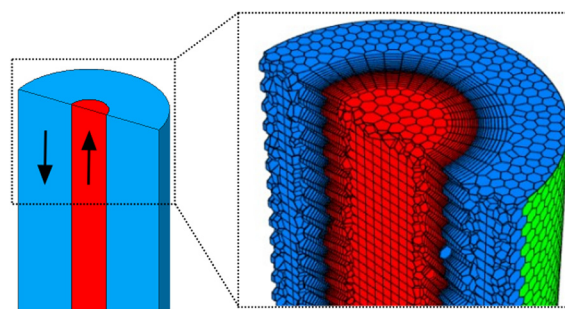
Yan Wang, Theodore D. C. Hobson, Jack E. N. Swallow, Shona McNab, John O'Sullivan, Anastasia H. Soeriyadi, Xinya Niu, Rebekah C. Fraser, Akash Dasgupta, Sourmyajit Maitra, Pietro P. Altermatt, Robert S. Weatherup, Matthew Wright and Ruy S. Bonilla*

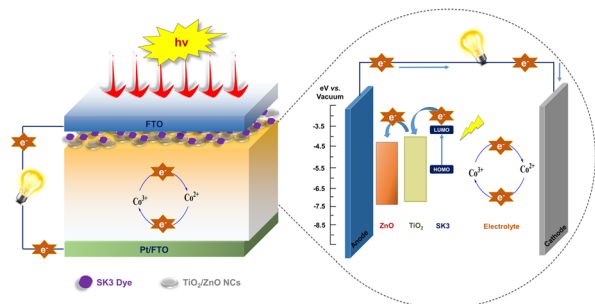


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Design parameter optimization of a membrane reactor for methanol synthesis using a sophisticated CFD model

Theresa Hauth,* Konstantin Pielmaier, Vincent Dieterich, Nicolas Wein, Hartmut Spliethoff and Sebastian Fendt





TiO₂/ZnO nanocomposites with a metal-free dye and a polymer gel electrolyte: optimizing photovoltaic efficiency and assessing stability *via* time series analysis

Prakash S. Pawar, Pramod A. Koyale, Satyajeet S. Patil, Swapnil R. Patil, Jinho Bae, Nilesh R. Chodankar, Yash G. Kapdi, Saurabh S. Soni, Pramod S. Patil and Sagar D. Delekar*

