

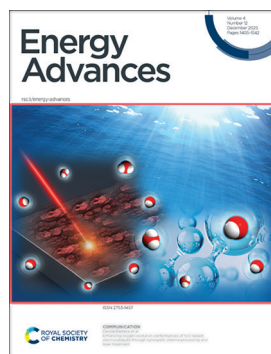
Energy Advances

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Inside cover

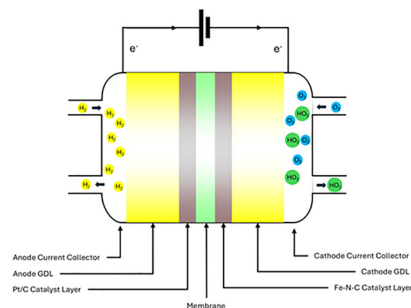
See Wolfgang Schöfberger *et al.*, pp. 1443–1454. Image reproduced by permission of Wolfgang Schöfberger from *Energy Adv.*, 2025, 4, 1443.

PERSPECTIVE

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Advancing Fe–N–C catalysts: synthesis strategies and performance enhancements for fuel cell applications

Bochen Li and Rhodri Jervis*

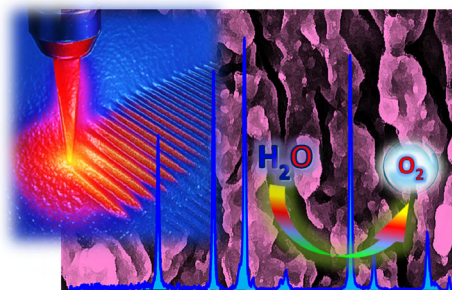


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Enhancing oxygen evolution performances of NiO-based electrocatalysts through synergistic plasma processing and laser treatment

Davide Barreca,* Alessandro Bellucci, Matteo Mastellone, Daniele Maria Trucchi, Chiara Maccato, Ermanno Pierobon, Alberto Gasparotto and Gian Andrea Rizzi



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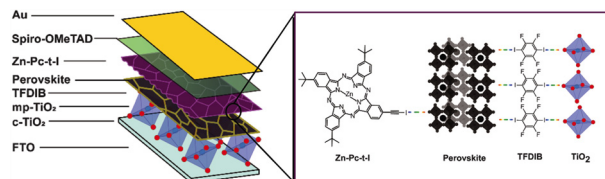
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COMMUNICATIONS

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Interfacial halogen bonding with charge-transport layers for operational stability of hybrid perovskite solar cells

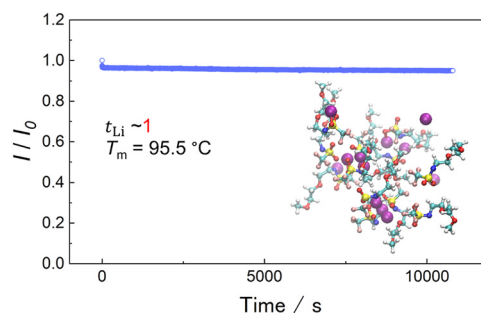
Jovan N. Lukić, Weifan Luo, Sunju Kim, Lydia Ferrer, Javier Ortiz, Desiré Molina, Jongmin Kim, Jose Arturo Venegas, Paul Zimmermann, Thanh-Danh Nguyen, Alexander Hinderhofer, Frank Schreiber, Ángela Sastre-Santos,* Ji-Youn Seo,* Vuk V. Radmilović* and Jovana V. Milić*



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Low-melting, ether-functionalised lithium salts for enhanced ion transport in molten salt electrolytes

Yuna Matsuyama, Frederik Philippi, Taku Sudoh, David Pugh, Saki Sawayama, Kenta Fujii, Seiji Tsuzuki, Md. Sharif Hossain* and Kazuhide Ueno*

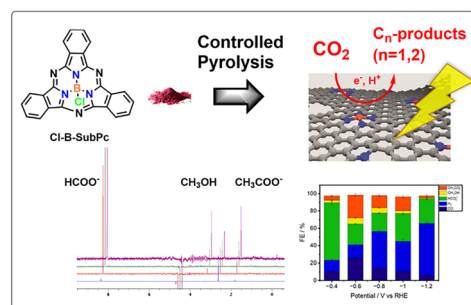


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Efficient electroreduction of CO₂ to C₁ and C₂ products using atomically dispersed boron N-C@graphite catalysts

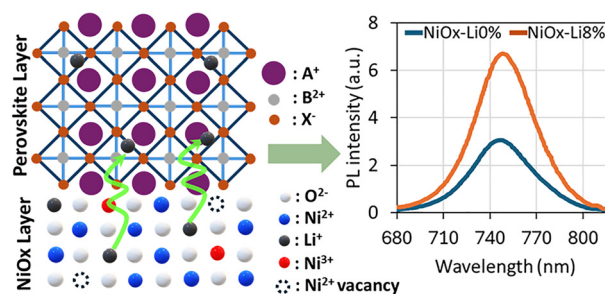
Farzaneh Yari, Simon Offenthaler, Sankit Vala, Dominik Krisch and Wolfgang Schöfberger*



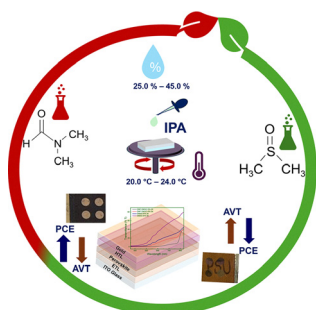
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Performance enhancement of inverted perovskite solar cells through lithium-ion diffusion from the nickel oxide hole transport layer to the perovskite absorber

Pravakar P. Rajbhandari, Bipin Rijal, Zeyang Chen, Ankit Choudhary, Haralabos Efstathiadis and Tara P. Dhakal*



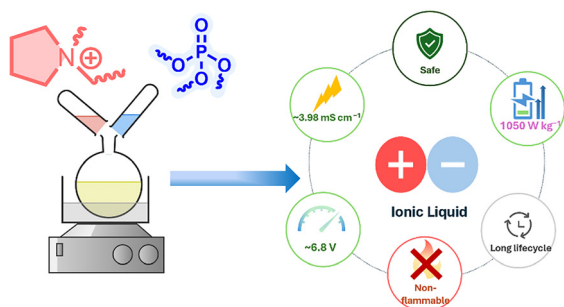
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Ambient-processed semitransparent perovskite solar cells from eco-friendly solvents

Cyril C. F. Kumachang, Brittle G. Reese, Tawanda J. Zimudzi, Ivy M. Asuo* and Nutifafa Y. Doumon*

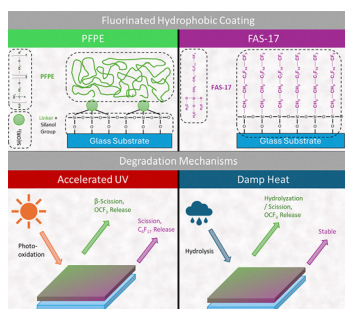
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Fluorine-free dialkylphosphate-based ionic liquids as supercapacitor electrolytes

Sayantika Bhakta, Gaurav Tatrari, Andrei Filippov and Faiz Ullah Shah*

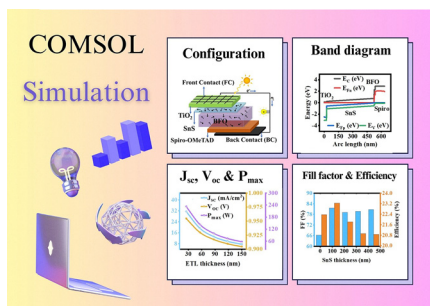
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Designing hydrophobic, anti-soiling coatings for solar module cover glass: degradation mechanisms to avoid

Luke O. Jones,* Adam M. Law, Gary W. Critchlow and John M. Walls

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Analysis of short-circuit current suppression mediated by strategically optimized buffer layer thickness in heterojunction solar cells

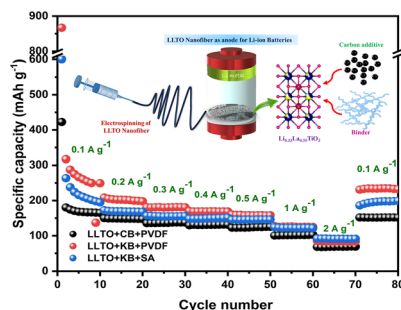
Muhammad Umar Salman and Shahid Atiq*



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Ganeshbabu Mariappan, Leonid Vasylechko, Dharmalingam Kalpana and Ramakrishnan Kalai Selvan



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Effect of fluorinated arylammonium halide passivation in chloride–iodide perovskite solar cells

Ashraful Hossain Howlader,* Yin Yao, Rhiannon Kuchel and Ashraf Uddin*

