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See Michael Häusler, Roland Brunner *et al.*, pp. 446–463.

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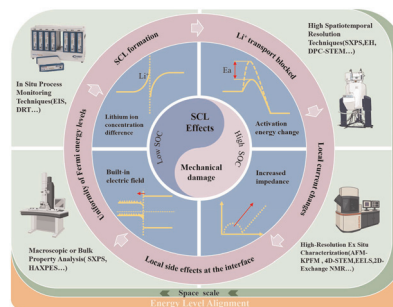


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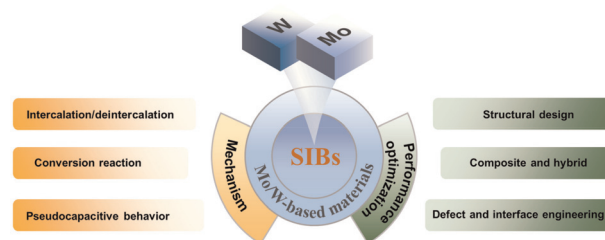
**Fundamental questions
Elemental answers**

REVIEWS

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Research progress on molybdenum- and tungsten-based materials for sodium-ion batteries: fundamental mechanisms and optimization strategies

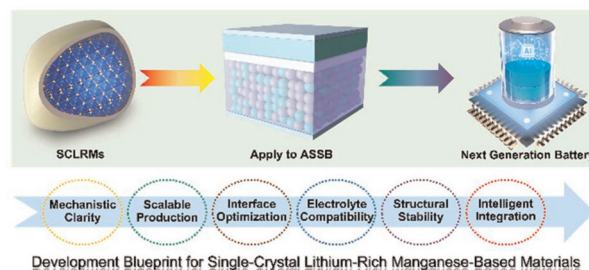
Bingrong Shen, Chenhui Yan, Hui Peng,* Guofu Ma and Yuxi Xu*



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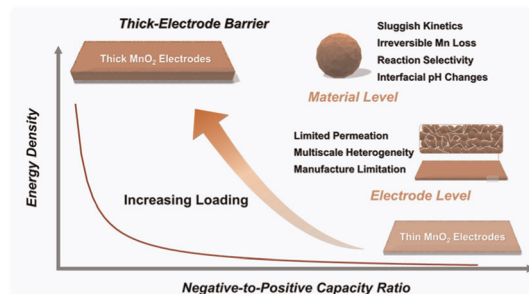
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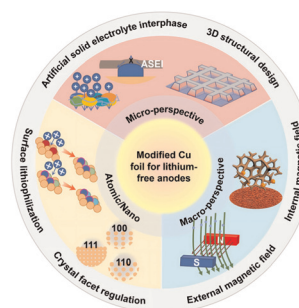
Qingyang Yin, Wenqing Lu* and Zheng Chen*



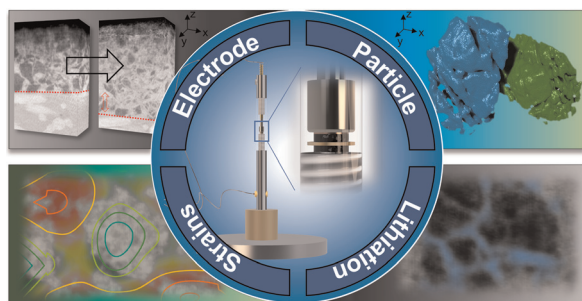
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A cross-scale collaborative design of copper current collectors for practical anode-free lithium metal batteries

Jiawang Feng, Tianzhengyi Zhang, Ming Liu, Guoxing Tian, Yuqian Fan, Ailing Song,* Guangjie Shao* and Zhipeng Ma*



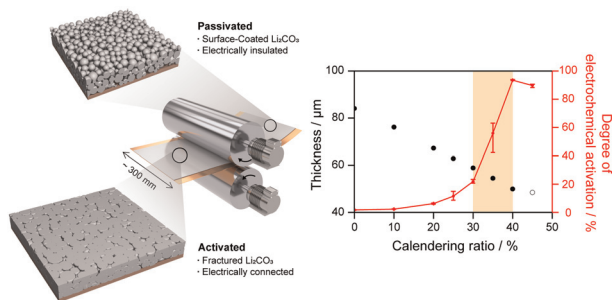
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Michael Häusler, Rahul Kumar J. Sinojiya, Olga Stamat, Julie Villanova, Christoph Stangl, Stefan Koller and Roland Brunner*

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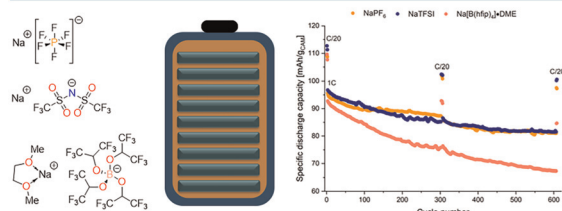


Calendering-induced interfacial reconfiguration enables electrochemical activation in lithium metal powder electrodes for high-energy-density batteries

Dongyoon Kang, Sun Hyu Kim, Jaejin Lim, Hayeon Kim, Cyril Bubun Dzakpasu, Eunbi Kim, Taejin Jo and Yong Min Lee*

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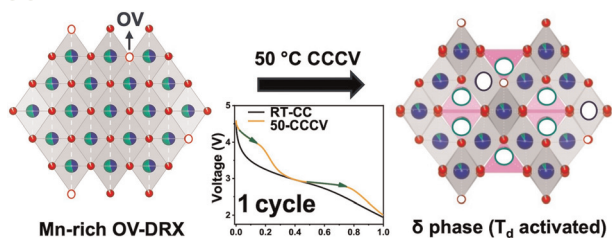
Towards Safer Electrolytes: Comparing the Air Stability and Electrochemical Properties of NaPF₆, NaTFSI and Na[B(hfp)₄]-DME for Sodium-Ion Batteries



Towards safer electrolytes: comparing the air stability and electrochemical properties of NaPF₆, NaTFSI and Na[B(hfp)₄]-DME for sodium-ion batteries

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High-energy manganese-rich rocksalt cathodes with engineered oxygen vacancies

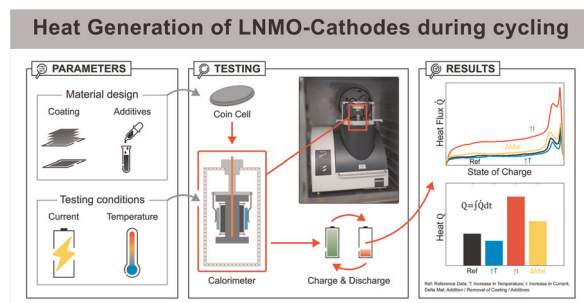
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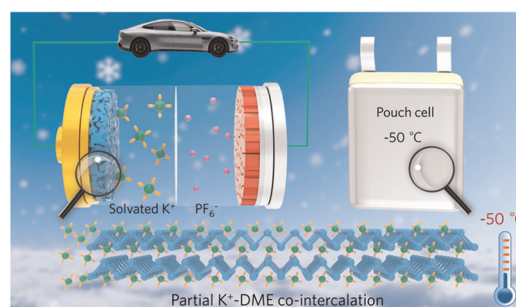
Kevin Böhm,* Aleksandr Kondrakov, Torsten Markus and David Henriques*



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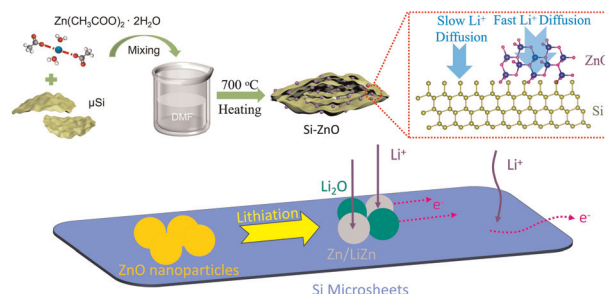
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Zinc oxide-reinforced silicon anodes for high-performance all-solid-state lithium-ion batteries

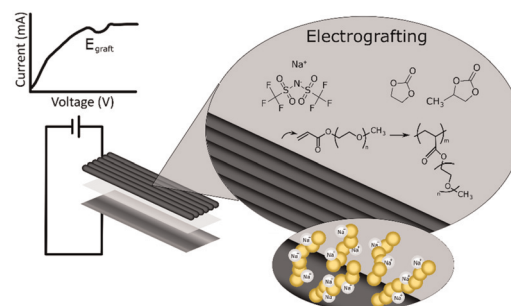
Renbo Liu, Chaolin Mi, Xiaobo Jiang, Shijian Xiong, Zhengyang Song, Yuanchang Shi,* Xiaohang Lin,* Peng Xiao,* Longwei Yin and Rutao Wang*



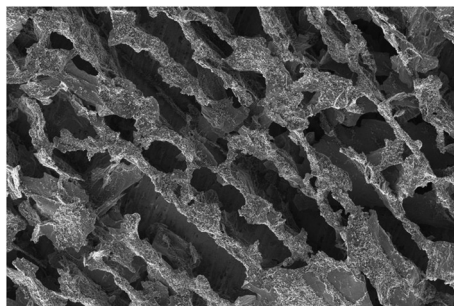
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Electrografting solid polymer electrolytes for separator-less structural sodium batteries

Elvira Lind,* Vincent Nieboer, Martina Cattaruzza, Mats Johansson, Karin Odelius, Dan Zenkert and Göran Lindbergh



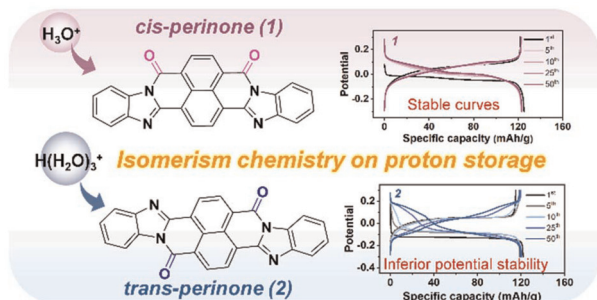
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Neal A. Cardoza, Mary Qin, Hassig, Tran Ngo, Taber Yim, Brianna Markunas, Joshua Snyder, Michel W. Barsoum and Vibha Kalra*

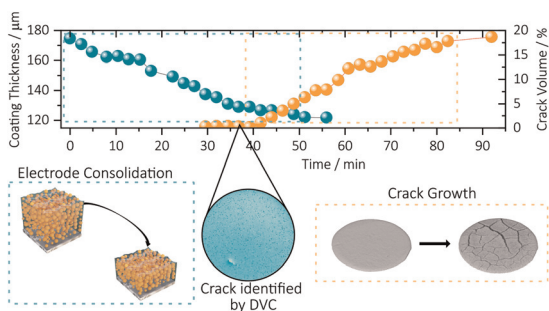
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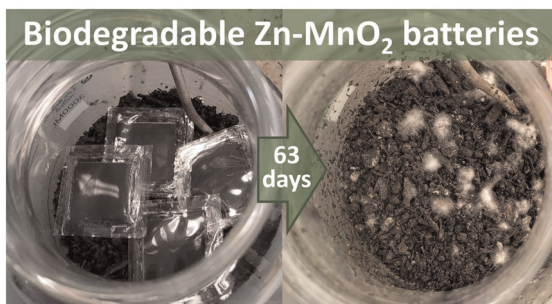
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Predicting the formation of mud cracks in Li-ion battery electrodes during the drying process with *in situ* X-ray computed tomography

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Towards an all-printed biodegradable battery

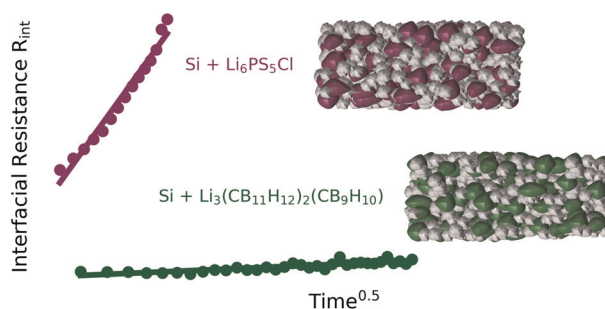
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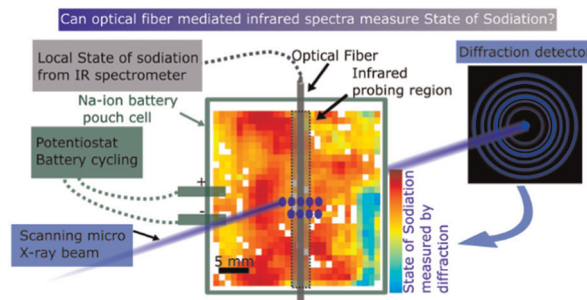
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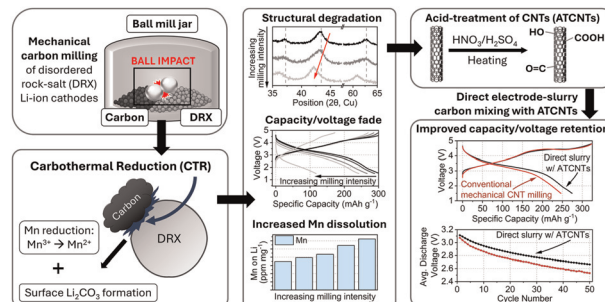
Yuan-Chi Yang, Yu Wang, Annabel Olgo, Nilanka M. Keppetipola, Zhenying Li, Ozlem Sel, Nils Blanc, Benoit Mathieu, Ambroise Van Roekeghem, Samuel Tardif, Sandrine Lyonnard, Jean-Marie Tarascon* and Quentin Jacquet*



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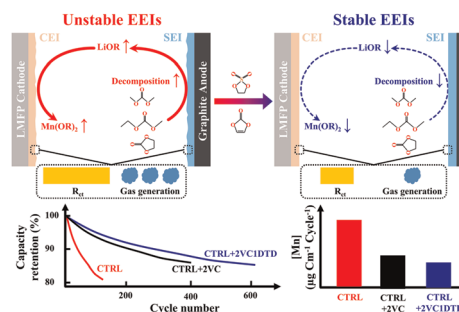
Gregory Lazaris, Yixuan Zhang, Pablo Trevino Lara, Nicolas Brodusch, Raynald Gauvin and Jinhyuk Lee*



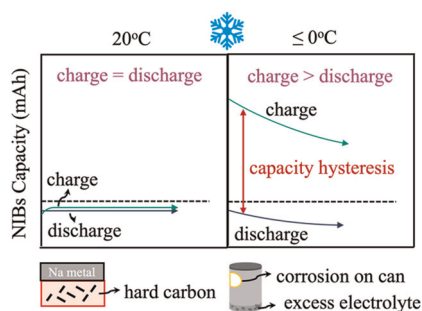
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Unraveling interphase-driven failure pathways in LiMn0.6Fe0.4PO4/graphite pouch cells

Chanmonirath (Michael) Chak, Vadim Shipitsyn, Ruyi Song, Glenn Pastel,* Wenhua Zuo, Yuwei Zhu, Gui-Liang Xu, Linqin Mu and Lin Ma*



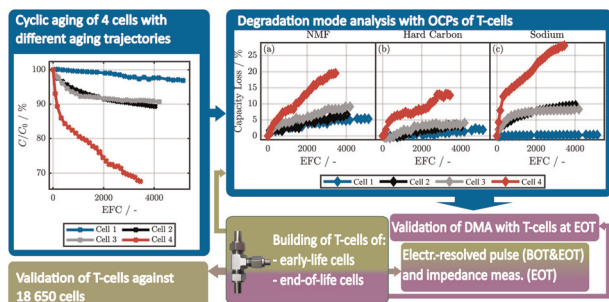
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Observation of anomalous capacity hysteresis in commercial sodium ion batteries at low temperatures

Harshitha Marikundam, Selva Seelan Margoschis, Patricio Solana Bustamante, Bhumika Bhangale, Kumlachew Zelalem Walle, Linqin Mu, Andrew Weng* and Nicholas Rolston*

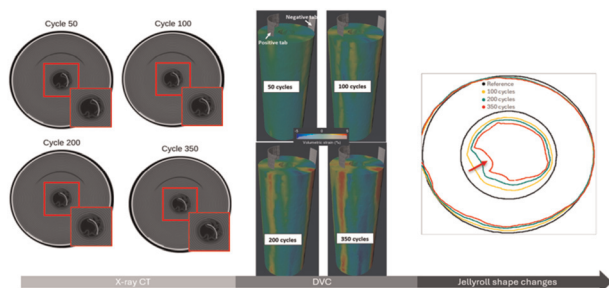
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Aging of commercial sodium-ion batteries with layered oxides: how to measure and analyze it?

Mathias Rehm,* Julius Bahrke, Johannes Natterer, Leon Milutinovic, Franz Roehrer and Andreas Jossen

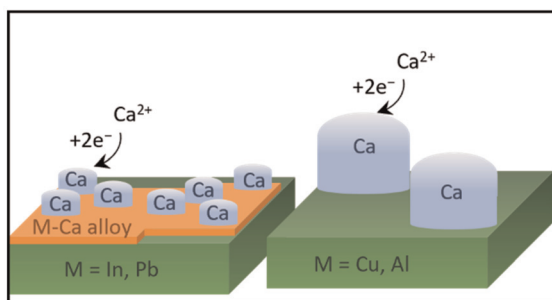
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Kamel Madi,* Loic Courtois, Luigi Raspolini, Jinhong Min, Amariah Condon and Peter M. Attia

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Substrate-dependent calcium plating on late-transition and p-block metals

Wouter Monnens, Robert Markowski, Andrii Kachmar, Zhenyu Zhou, Roy Heyns, Alexandru Vlad, Koen Binnemans and Jan Fransaer*

