

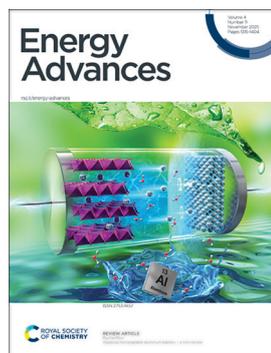
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Cover

See Ryohei Mori, pp. 1321-1336. Image reproduced by permission of Ryohei Mori from *Energy Adv.*, 2025, 4, 1321.



Inside cover

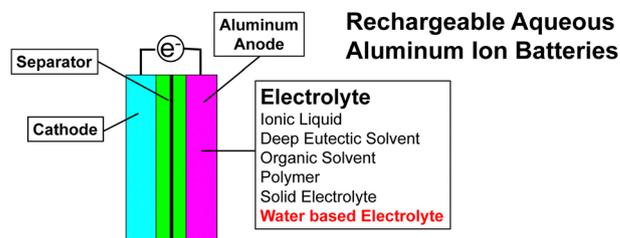
See Eric McCalla *et al.*, pp. 1337-1344. Image reproduced by permission of Eric McCalla, Jean-Danick Lavertu and Elliot Zolfaghar from *Energy Adv.*, 2025, 4, 1337.

REVIEW

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Aqueous rechargeable aluminum battery – a mini review

Ryohei Mori

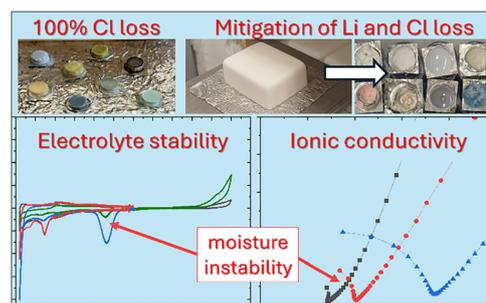


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High-throughput methods to design deformable recrystallized boracite solid electrolytes: challenges and solutions

Jean-Danick Lavertu, Sibyl Martasek, Sara Reardon, Shipeng Jia, Antranik Jonderian, Giyun Kwon, Youngjoon Bae and Eric McCalla*

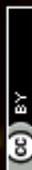


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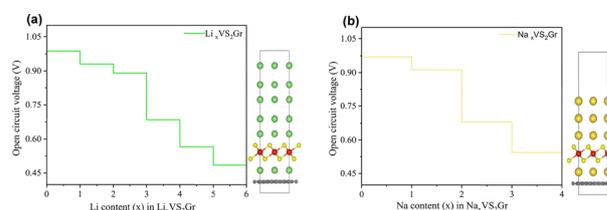
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Fundamental questions
Elemental answers

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First-principles calculation of a 1T-VS₂/graphene composite as a high-performance anode material for lithium- and sodium-ion batteries

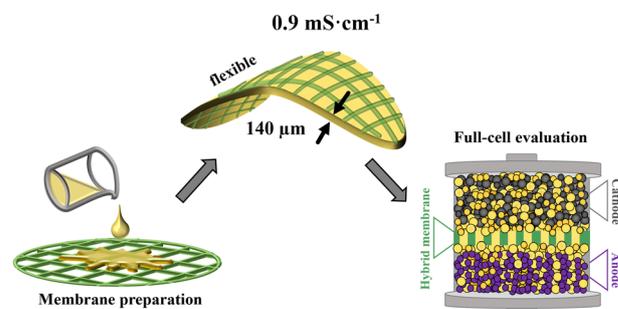
Ahmed Jaber Hassan, Kar Tim Chan,* Kean Pah Lim, Nurisya Mohd Shah, Umair Abdul Halim, Nurfarhana Mohd Noor and Wan Mohammad Zulkarnain Abdul Razak



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Attaining a fast-conducting, hybrid solid state separator for all solid-state batteries through a facile wet infiltration method

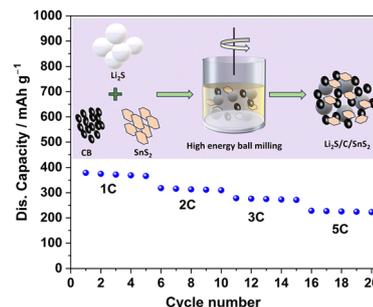
Philip Heuer, Lukas Ketter, Moumita Rana, Felix Scharf, Gunther Brunklaus and Wolfgang G. Zeier*



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Li₂S/C/SnS₂ composite-based cathode materials for lithium-sulfur batteries

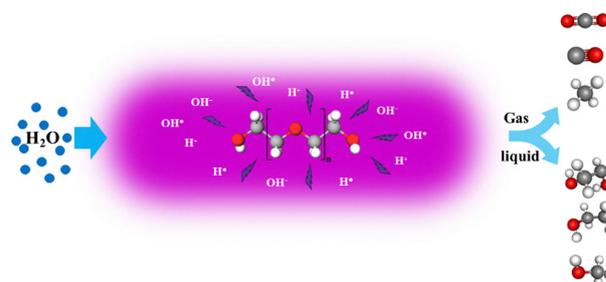
Irshad Mohammad,* Akzhan Bekzhanov, Yuri Surace and Damian Cupid



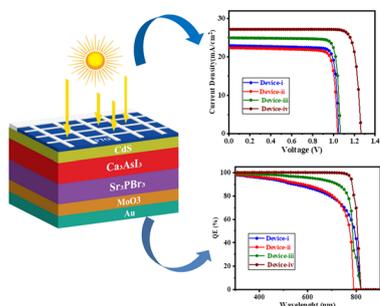
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The hydrolysis properties of polyethylene glycol under ambient nonthermal plasma conditions

Parsa Pishva, Abdol Hadi Mekarizadeh, Rongxuan Xie, Jinyao Tang, Xiaochen Shen, Yanlin Zhu, Mesfin Tsige* and Zhenmeng Peng*



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Next-generation dual absorber solar cell design with Ca_3AsI_3 and Sr_3PBr_3 perovskites and MoO_3 HTL achieves superior efficiency above 29%

Sahjahan Islam, Jannati Islam Chy, Dipika Das Ria, Abu Bakkar, Md. Faruk Hossain, Ahmad Irfan, Aijaz Rasool Chaudhry and Md. Ferdous Rahman*

CORRECTION

1401

Correction: Water-in-salt hydrogel electrolyte for dendrite-free Zn deposition

Varsha Joseph, Nara Kim, Sae Young Lee, Reverant Crispin, Tae Hyun Park* and Ziyauddin Khan*

