

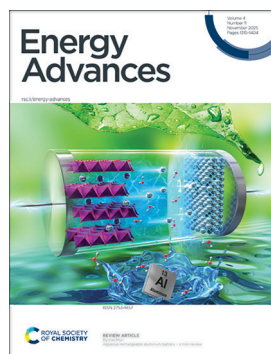
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Cover

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



Inside cover

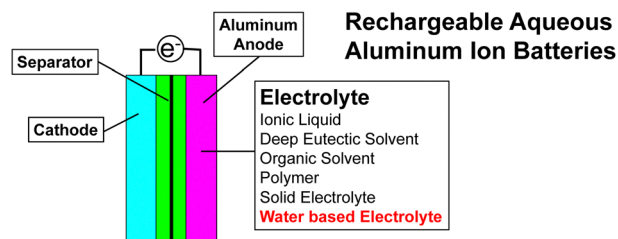
See Eric McCalla *et al.*, pp. 1337-1344. Image reproduced by permission of Eric McCalla, Jean-Danick Lavertu and Elliot Zolfaghar from *Energy Adv.*, 2025, 4, 1337.

REVIEW

1321

Aqueous rechargeable aluminum battery – a mini review

Ryohei Mori

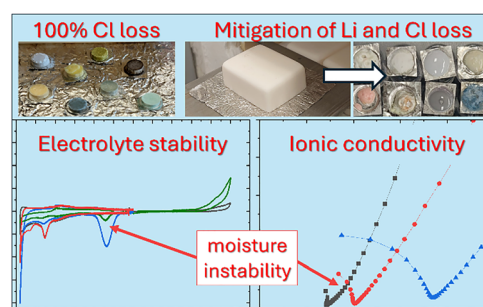


PAPERS

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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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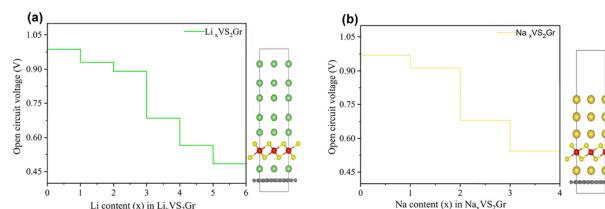
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Fundamental questions
Elemental answers

1345

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

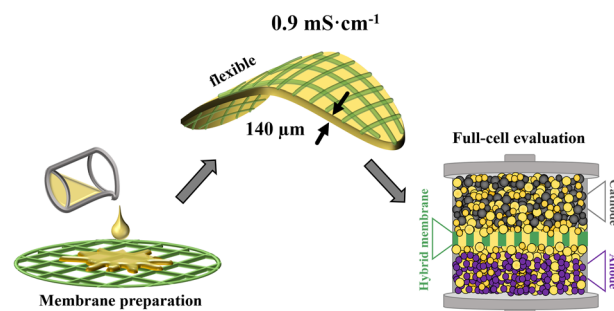
Ahmed Jaber Hassan, Kar Tim Chan,* Kean Pah Lim, Nurisya Mohd Shah, Umair Abdul Halim, Nurfarhana Mohd Noor and Wan Mohammad Zulkarnain Abdul Razak



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

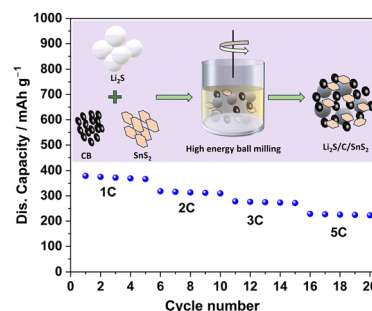
Philip Heuer, Lukas Ketter, Moumita Rana, Felix Scharf, Gunther Brunklaus and Wolfgang G. Zeier*



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

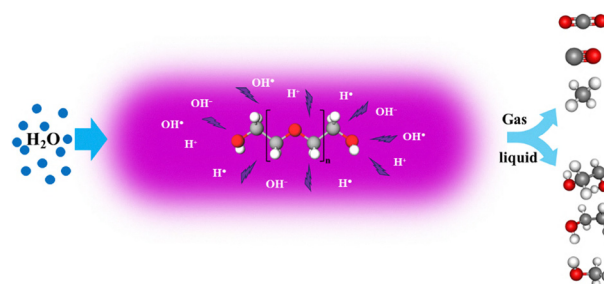
Irshad Mohammad,* Akzhan Bekzhanov, Yuri Surace and Damian Cupid



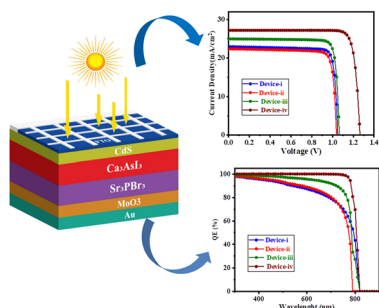
1375

The hydrolysis properties of polyethylene glycol under ambient nonthermal plasma conditions

Parsa Pishva, Abdol Hadi Mokarizadeh, 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*

