Energy Advances

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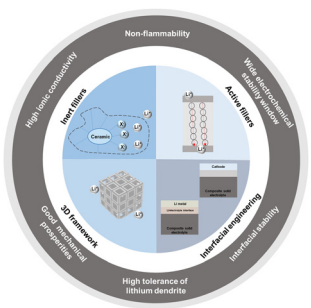
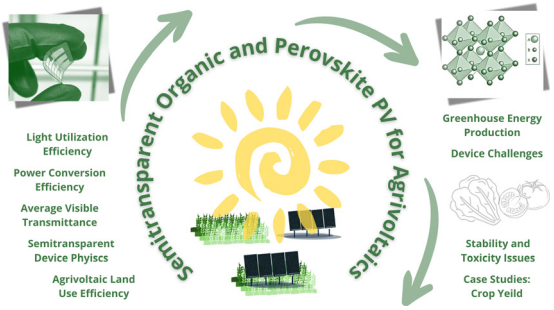
Cover
See George P. Demopoulos *et al.*, pp. 11–36. Image reproduced by permission of George P. Demopoulos and Senhao Wang from *Energy Adv.*, 2025, **4**, 11.

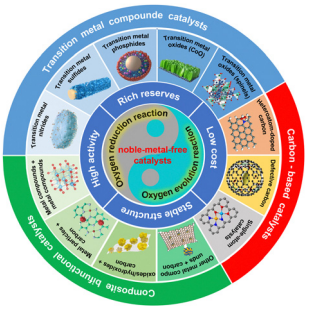
EDITORIAL

REVIEWS



REVIEWS





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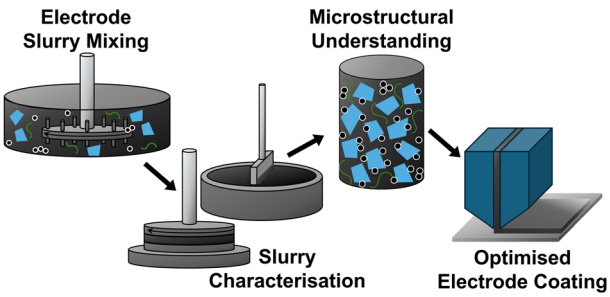
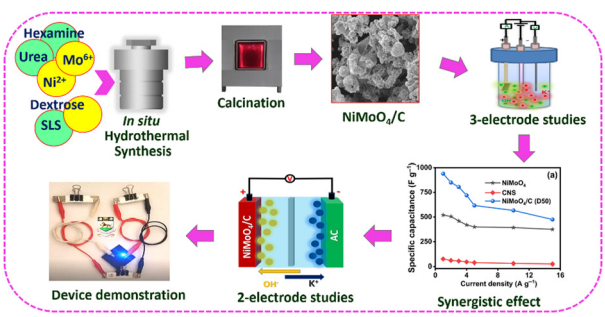


PAPERS



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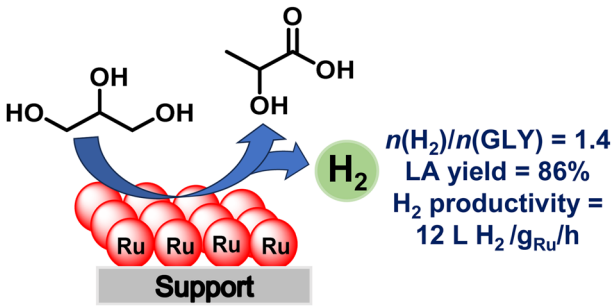

Supported ruthenium catalysts for the transformation of aqueous glycerol to hydrogen gas and lactic acid

Ankit Kumar, Bhanu Priya, Rohit Kumar Rai, Parveen Garg, Uday Deshpande and Sanjay Kumar Singh*

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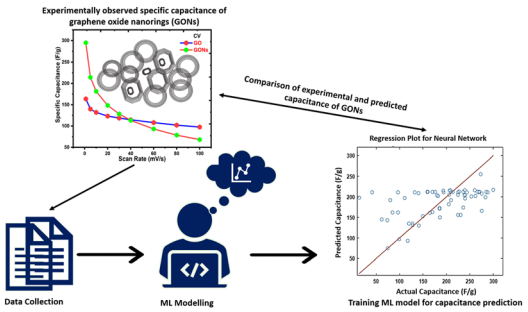

A machine learning approach for estimating supercapacitor performance of graphene oxide nano-ring based electrode materials

Gaurav Kumar Yogesh, Debabrata Nandi, Rungsima Yeetsorn, Waritnan Wanchan, Chandni Devi, Ravi Pratap Singh, Aditya Vasistha, Mukesh Kumar, Pankaj Koinkar* and Kamlesh Yadav*

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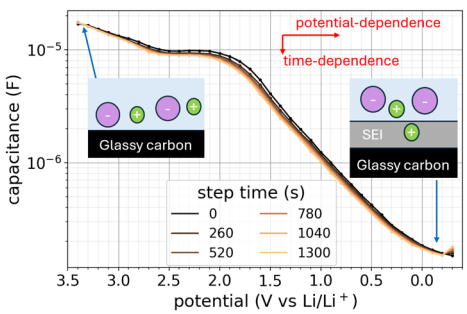

Double layer capacitance as a sensitive metric to monitor the formation of solid electrolyte interphases in Li–ion batteries

Maximilian Schalenbach,* Baolin Wu, Chih-Long Tsai, Anna Windmüller, Luc Raijmakers, Shicheng Yu, Hermann Tempel and Rüdiger-A. Eichel

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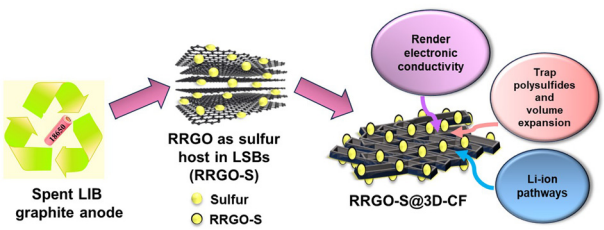

Reduced graphene oxide derived from the spent graphite anodes as a sulfur host in lithium–sulfur batteries

J. Priscilla Grace, Y. Kaliprasad and Surendra K. Martha*

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Synergetic effect towards high electrochemical performance in $LaMnO_3$–Co_3O_4 composites

Alisha Dhakal,* Felio A. Perez and Sanjay R. Mishra*