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Developing advanced electrolytes is critical for stabilizing electrode/electrolyte interfacial reactions and thus extending cycling stability of sodium (Na) batteries, especially when a high-voltage cathode (such as NaNi_{0.68}Mn_{0.22}Co_{0.10} ...

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Yan Jin. Energy & Environment Directorate, Pacific Northwest National Laboratory, Richland, WA, 99354 USA. Search for more papers by this author. Yaobin Xu, ... advanced energy storage techniques that have low cost and ...

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Yan Jin. Energy and Environment Directorate, Pacific Northwest National Laboratory, Richland, WA, 99352 USA. Search for more papers by this author. Kee Sung Han, Kee Sung Han. Physical and Computational Sciences Directorate, Pacific Northwest National Laboratory, Richland, WA, 99352 USA.

Achieve ultrahigh energy storage performance in BaTiO₃-Bi(Mg_{1/2}Ti_{1/2})O₃ relaxor ferroelectric ceramics via nano-scale polarization mismatch and reconstruction Q Hu, Y Tian, Q Zhu, J Bian, L Jin, H Du, DO Alikin, VY Shur, Y Feng, Z Xu, ...

Dr. Yan Jing received his Bachelor's degree in Applied Chemistry from the University of Science and Technology Beijing, China, in 2011. He then moved to the United States to pursue his Ph.D. in Materials Science and Engineering at ...

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Electrospinning, a highly versatile nanotechnology for nanofibers fabrication, has been widely utilized in energy research over the past decades [70].This straightforward, incessant, and cost-effective method involves electrohydrodynamic phenomena to form ultrathin fibers from an enormous number of materials, including polymers, inorganic ceramics, composites, etc.

Expertise related to UN Sustainable Development Goals. In 2015, UN member states agreed to 17 global Sustainable Development Goals (SDGs) to end poverty, protect the planet and ensure prosperity for all. This person's work contributes towards the following SDG(s):

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