# Materials Horizons

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## IN THIS ISSUE

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**Cover**
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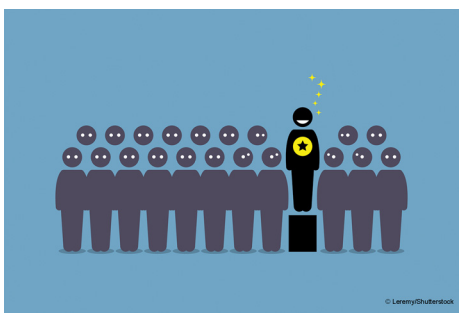
## EDITORIALS







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# Materials Horizons

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Building and designing systems from the molecular level



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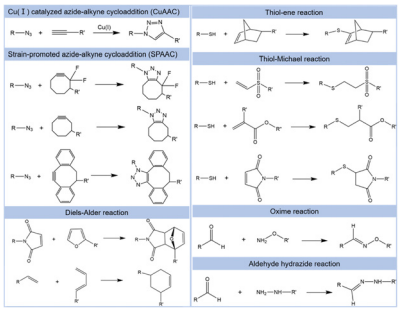




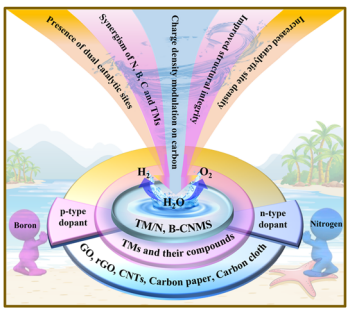




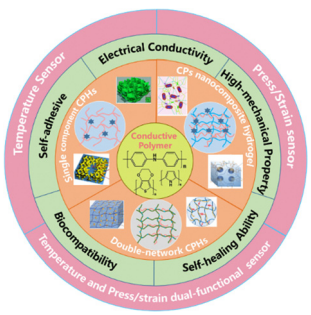




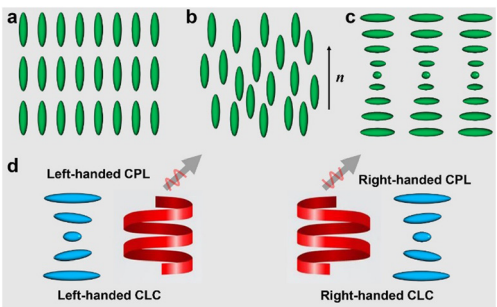

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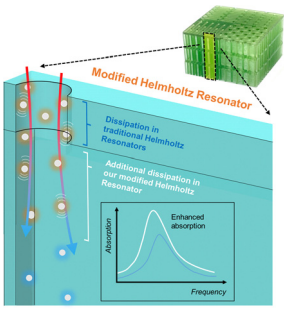




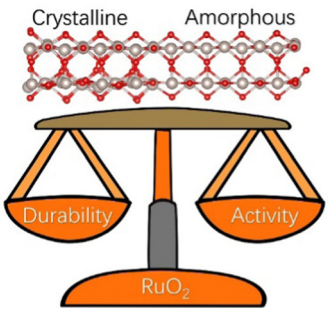




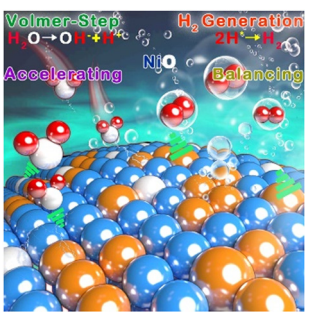

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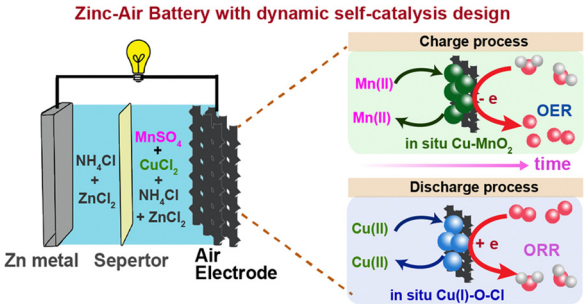




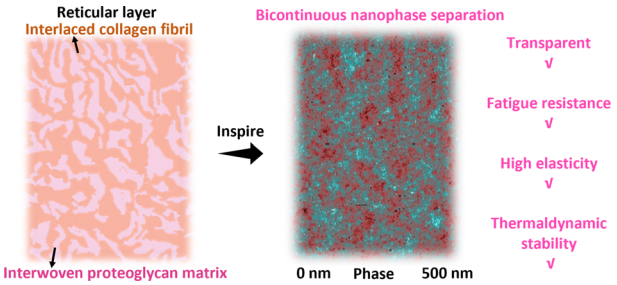




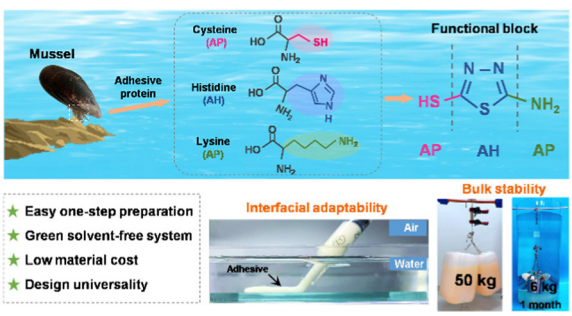




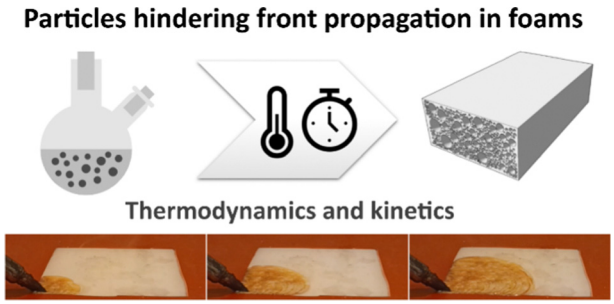

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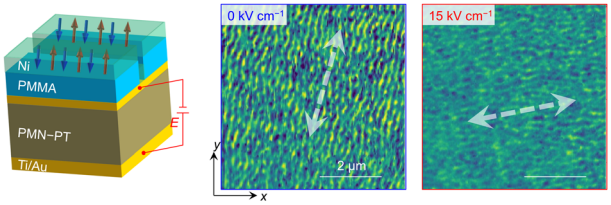




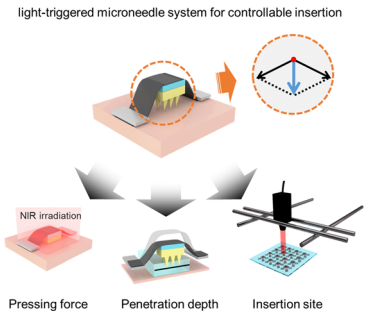




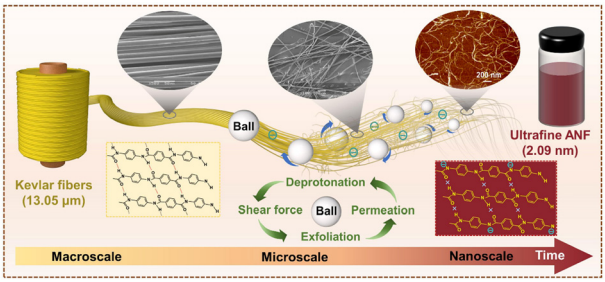




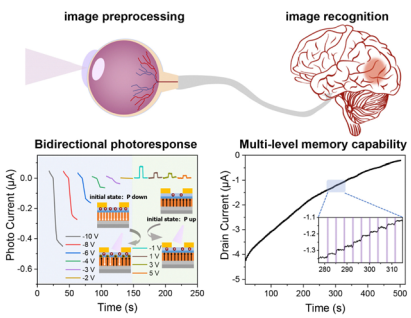

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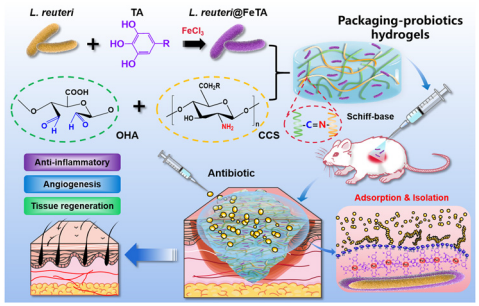




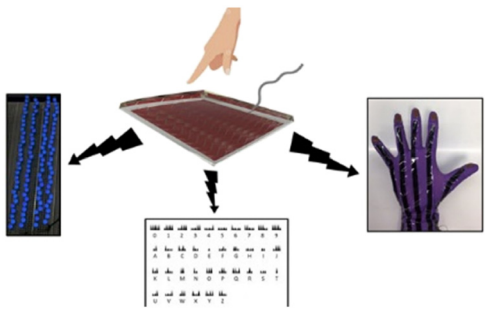



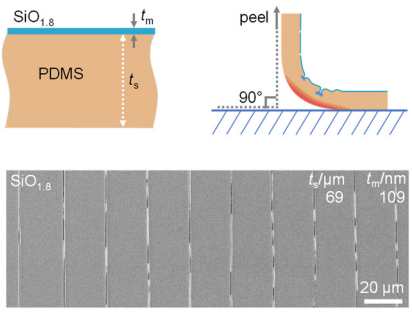




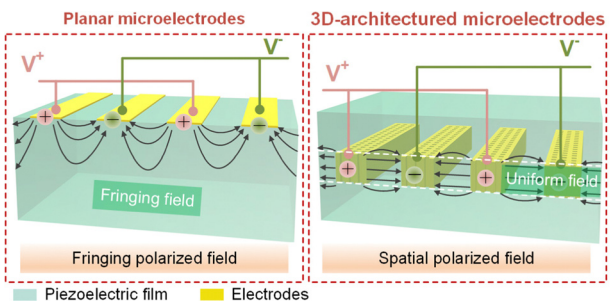

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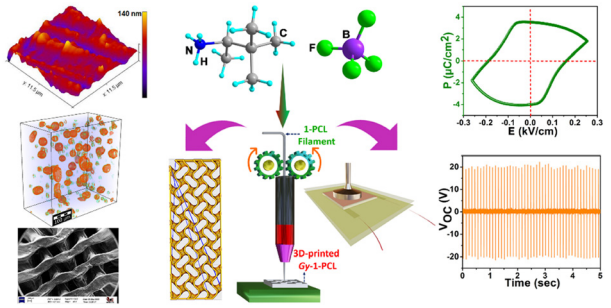


### 3D-printed polymer composite devices based on a ferroelectric chiral ammonium salt for high-performance piezoelectric energy harvesting

Supriya Sahoo, Premkumar Anil Kothavade, Dipti R. Naphade, Arun Torris, Balu Praveenkumar, Jan K. Zaręba,* Thomas D. Anthopoulos,* Kadhiravan Shanmuganathan* and Ramamoorthy Boomishankar*

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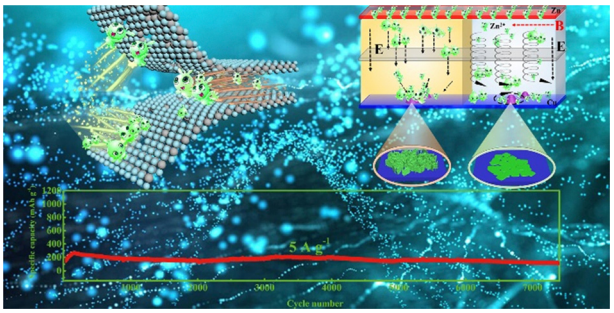


### Magneto-electrochemistry driven ultralong-life Zn-$VS_2$ aqueous zinc-ion batteries

Yunjie Mao, Jin Bai,* Jianguo Si,* Hongyang Ma, Wanyun Li, Peiyao Wang, Hongli Zhang, Zhigao Sheng, Xiaoguang Zhu, Peng Tong, Xuebin Zhu, Bangchuan Zhao* and Yuping Sun