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IN THIS ISSUE

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Cover
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Inside cover
See Alireza Mashaghi *et al.*, pp. 5025–5035. Image reproduced by permission of Tom Evers and Alireza Mashaghi from *Mater. Adv.*, 2024, **5**, 5025.

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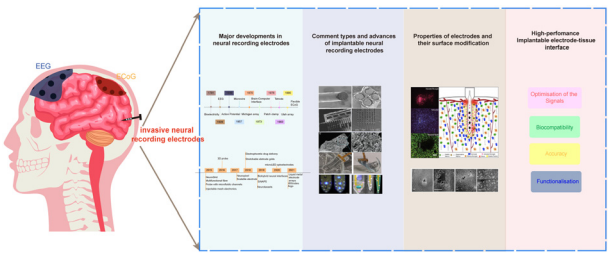

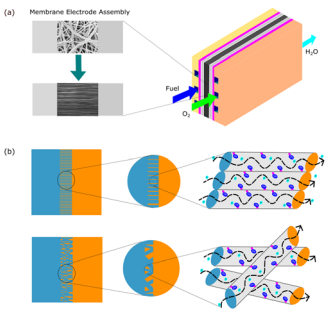

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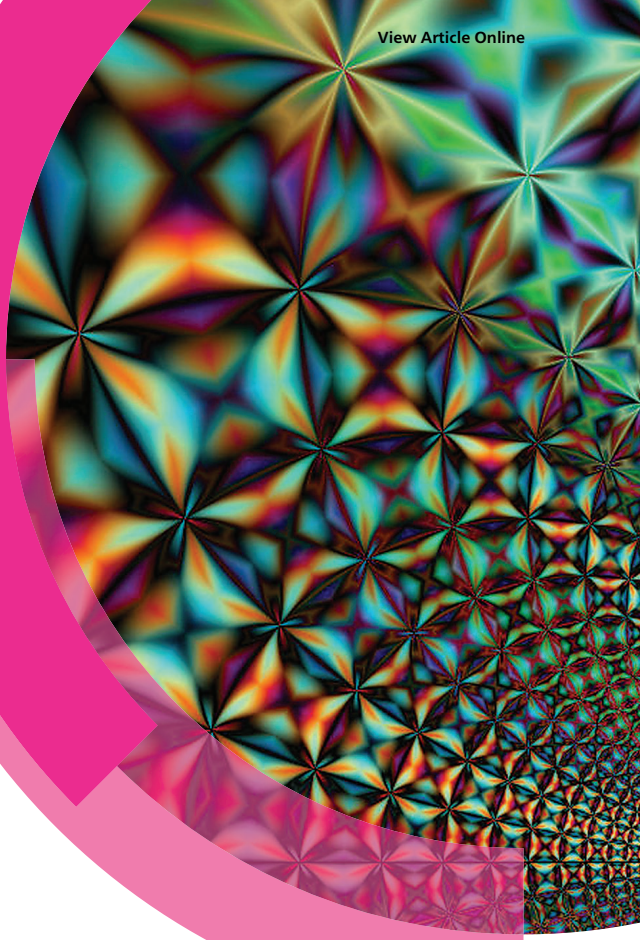

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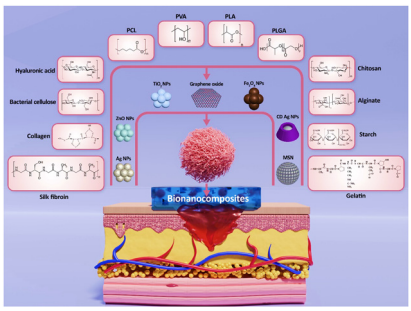

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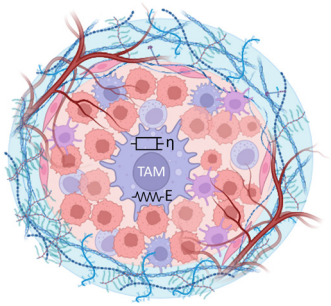

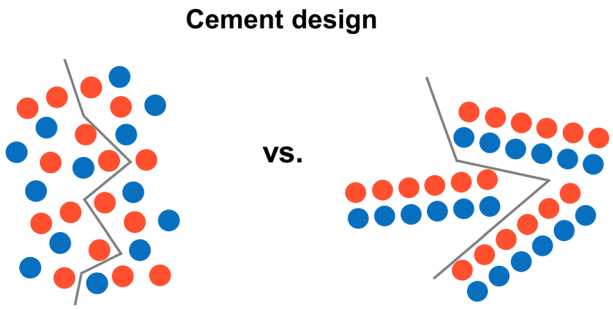

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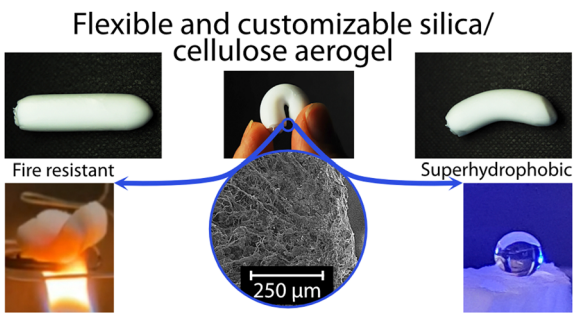

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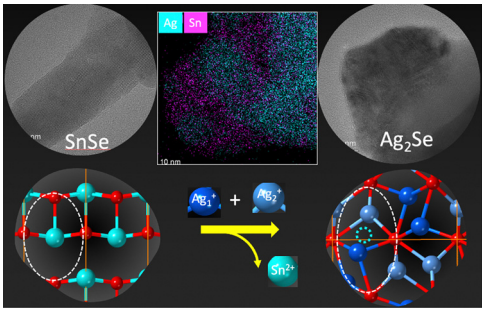

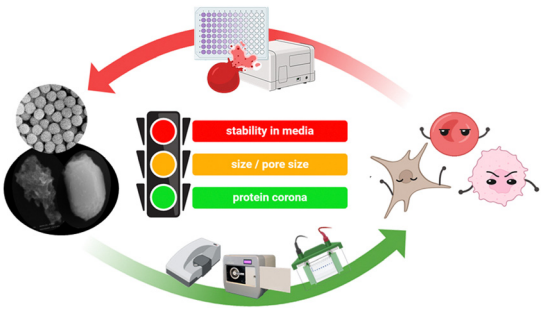

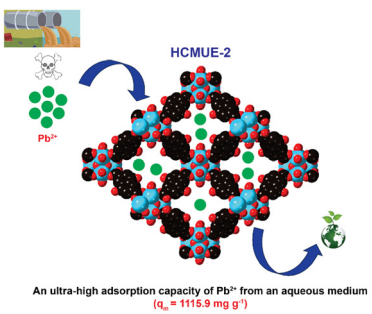

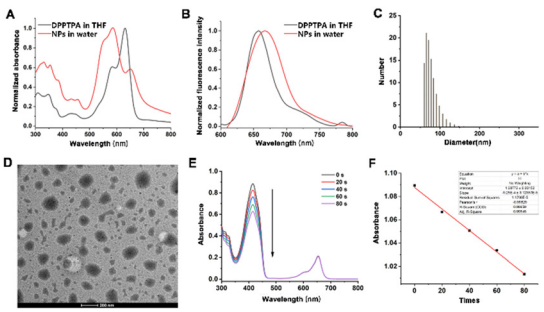

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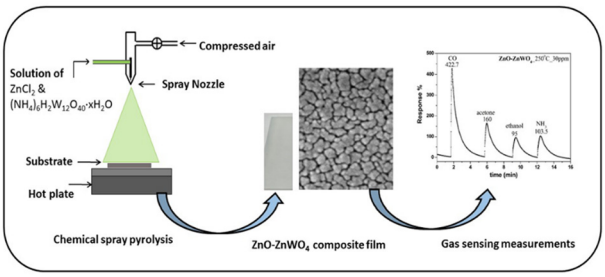
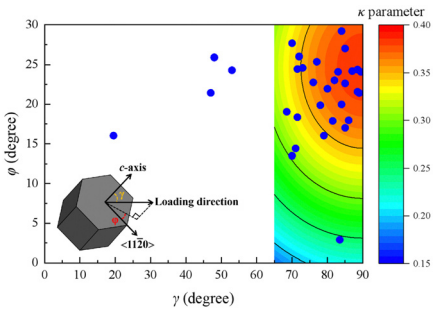
5140



Enhanced gas sensing performance of sprayed ZnO–$ZnWO_4$ toward CO gas

Mohamed H. Sayed, Tina Dilova, Genoveva Atanasova, Georgi Avdeev, Mostafa Boshta, Anna Og. Dikovska and Mohammed M. Gomaa*

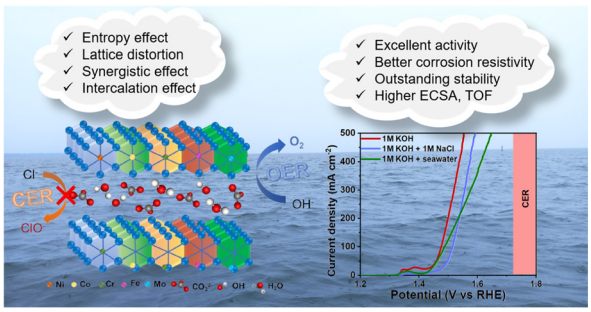
5148



⟨11$\bar{2}$0⟩-orientation-dependent crack initiation in a titanium alloy under dwell fatigue

Zhichun Zhou, Chao Fang, Binbin Jiang,* Jianke Qiu, Linglei Zhang, Jiafeng Lei, Rui Yang and Kui Du*

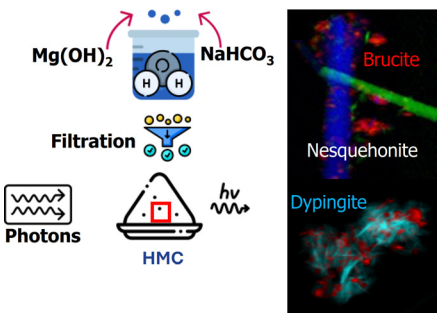
5156



High-entropy layered hydroxide for efficient and sustainable seawater oxidation

Santanu Pal, Sakila Khatun and Poulomi Roy*

5167



Characterization of hydrated magnesium carbonate materials with synchrotron radiation-based scanning transmission X-ray spectromicroscopy

Md Thasfiquzzaman,* Hoang Nguyen, Tuomas Mansikkala, Marko Huttula, Igor Beinik, Jörg Schwenke, Karina Thånell, Adam P. Hitchcock, Paivo Kinnunen and Minna Patanen*

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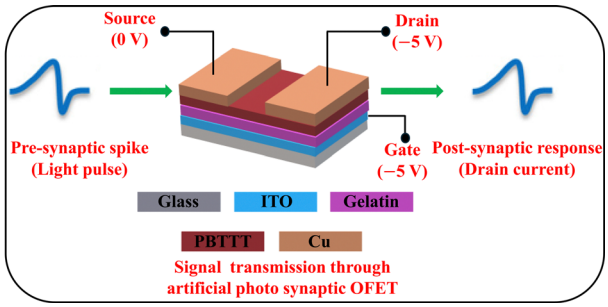

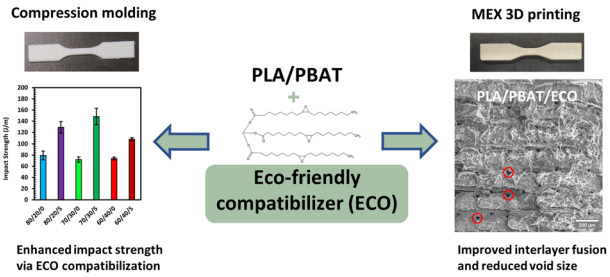

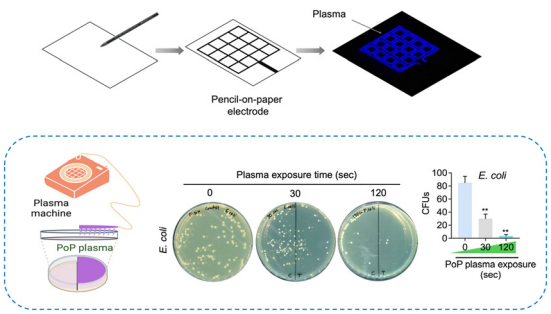

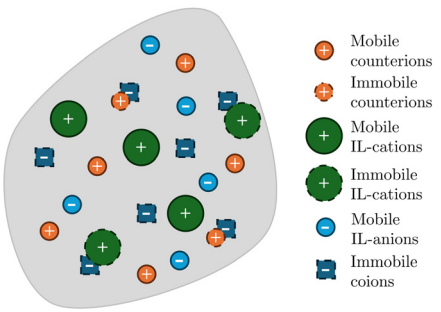

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