

# Materials Advances

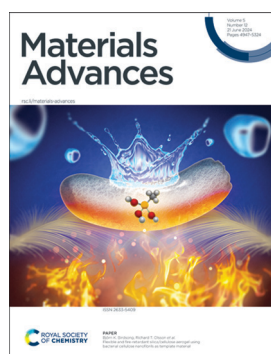
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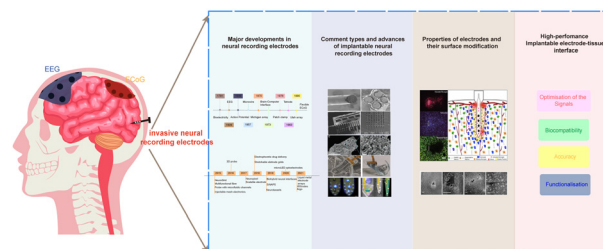
**Inside cover**  
See Alireza Mashaghi *et al.*, pp. 5025–5035. Image reproduced by permission of Tom Evers and Alireza Mashaghi from *Mater. Adv.*, 2024, 5, 5025.

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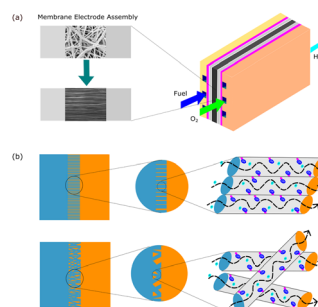
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Muhammad Yusro\* and Viktor Hacker



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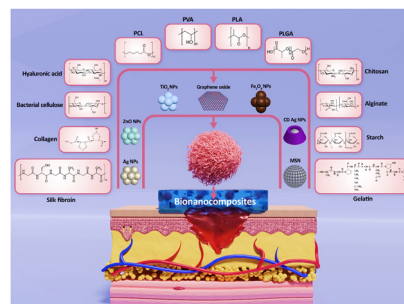


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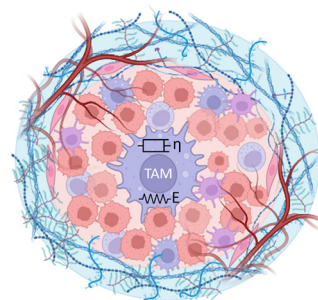


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Tom M.J. Evers, Antoinette van Weverwijk, Karin E. de Visser and Alireza Mashaghi\*

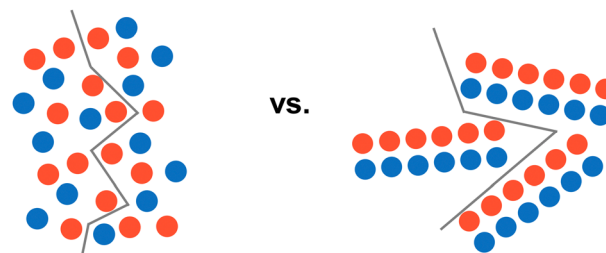


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Hoang Nguyen\* and Paivo Kinnunen

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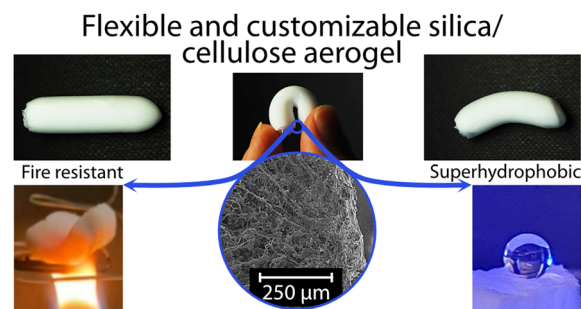


## PAPERS

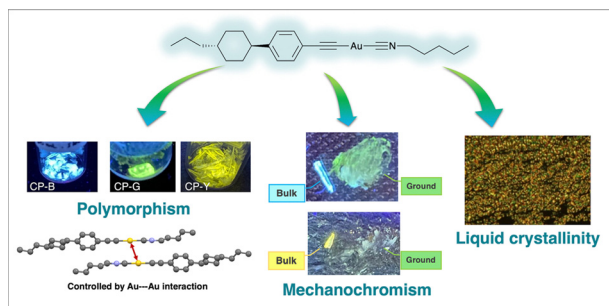
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### Flexible and fire-retardant silica/cellulose aerogel using bacterial cellulose nanofibrils as template material

Björn K. Birdsong\*, Qiong Wu, Mikael S. Hedenqvist, Antonio J. Capezza, Richard L. Andersson, Anna J. Svagan, Oisik Das, Rhoda Afriyie Mensah and Richard T. Olsson\*



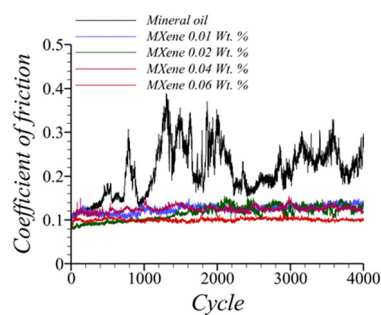
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Andriani Furoida, Misato Daitani, Kohsuke Matsumoto, Kyohei Hisano and Osamu Tsutsumi\*

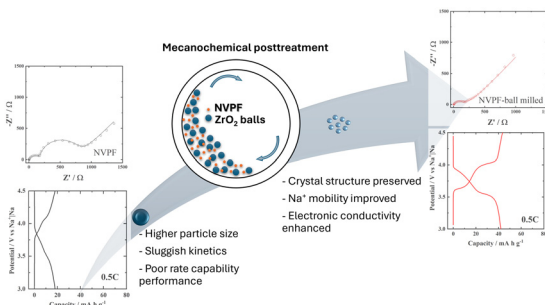
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### Tribo-electrical evaluation of conductive fluid film of $Ti_3C_2T_z$ MXene-containing lubricant

Mohsen Tajedini, Kailash Arole, Zahra Ghasemi, Rouzhina Azhdari, Micah J. Green and Hong Liang\*

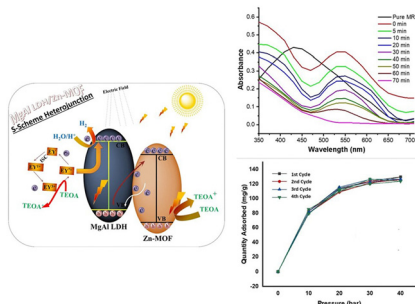
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William G. Morais,\* Eduardo C Melo and Roberto M. Torresi\*

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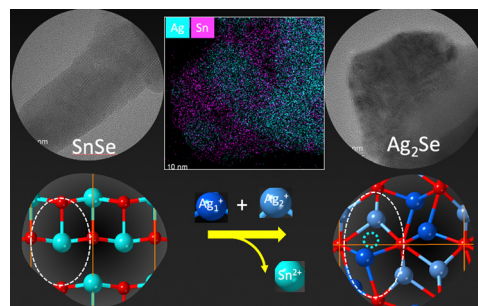
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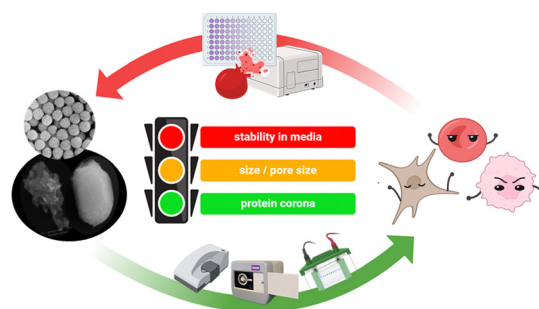
Yiqiao Huang and Pierre F. P. Poudeu\*



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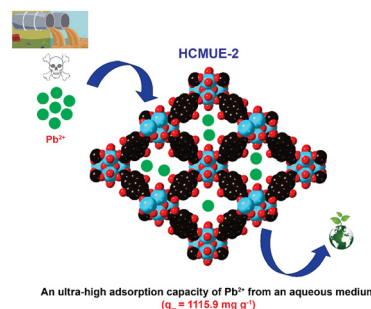
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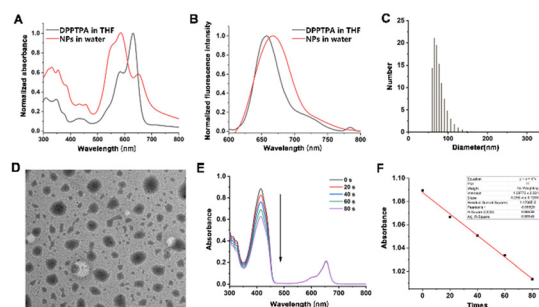
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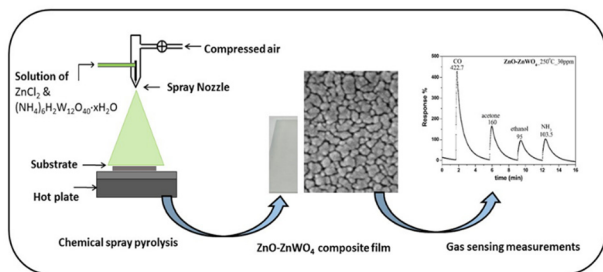
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## A triphenylamine functionalized photosensitizer as a promising candidate for osteosarcoma cancer phototheranostics

Chongchong Yin, Xiaowen Bao, Jiaqi Li, Jianwei Zhu and Jisheng Sui\*



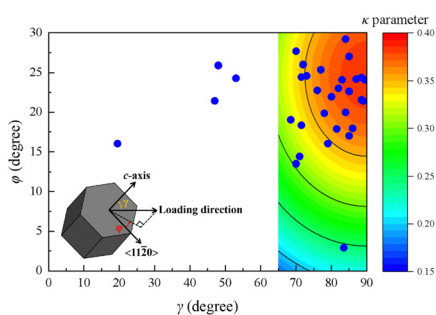
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Mohamed H. Sayed, Tina Dilova, Genoveva Atanasova, Georgi Avdeev, Mostafa Boshta, Anna Og. Dikovska and Mohammed M. Gomaa\*

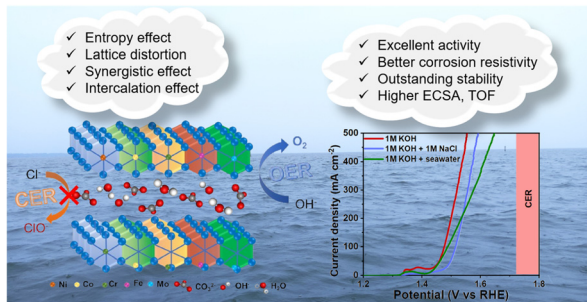
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Zhichun Zhou, Chao Fang, Binbin Jiang,\* Jianke Qiu, Linglei Zhang, Jiafeng Lei, Rui Yang and Kui Du\*

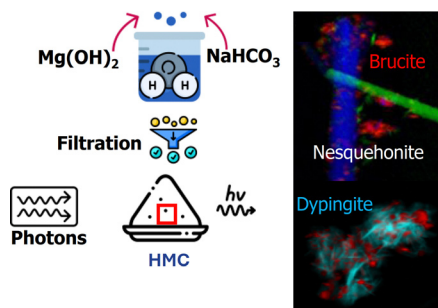
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Santanu Pal, Sakila Khatun and Poulomi Roy\*

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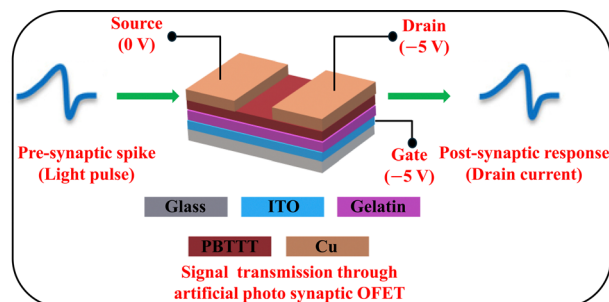
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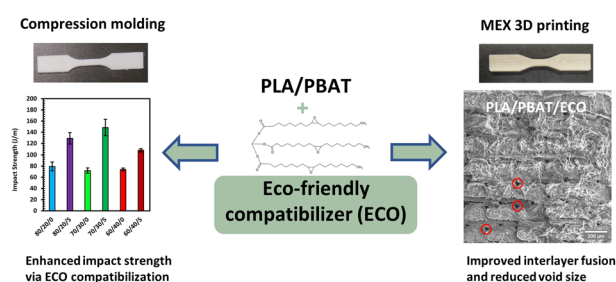
Bishwajit Mandal, M. Raveendra Kiran and Samarendra Pratap Singh\*



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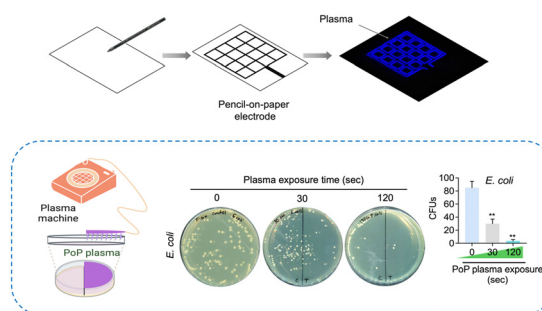
Mohamed Wahbi, Quintin Litke, David Levin, Song Liu, Kevin J. De France and Marianna Kontopoulou\*



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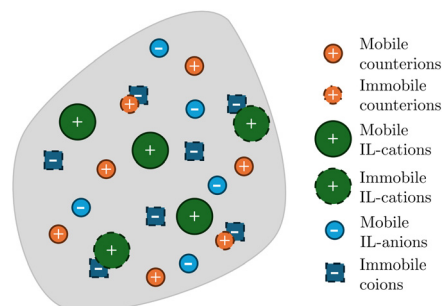
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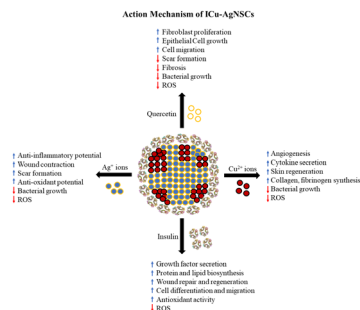
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Alain Boldini



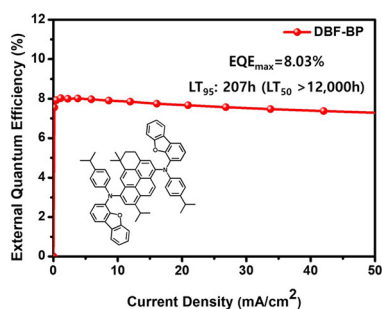
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Deepinder Sharda and Diptiman Choudhury\*

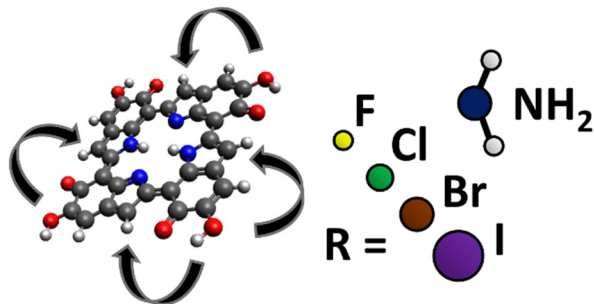
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Hyukmin Kwon, Sunwoo Park, Seokwoo Kang, Sangwook Park, Kiho Lee, Hayoon Lee and Jongwook Park\*

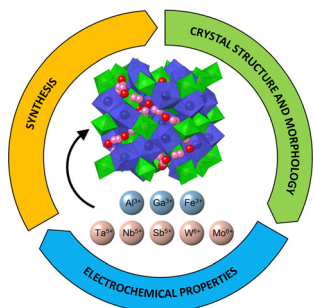
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Florian Heppner, Noah Al-Shamery, Pooi See Lee and Thomas Bredow\*

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Janez Košir, Seyedabolfazl Mousavihashemi, Milla Suominen, Anna Kobets, Benjamin P. Wilson, Eeva-Leena Rautama and Tanja Kallio\*

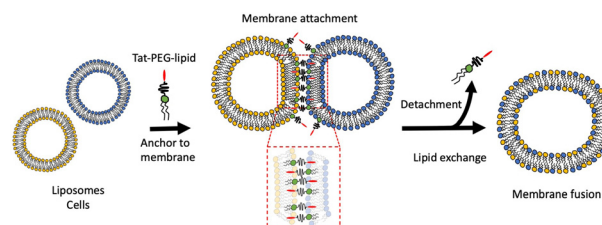




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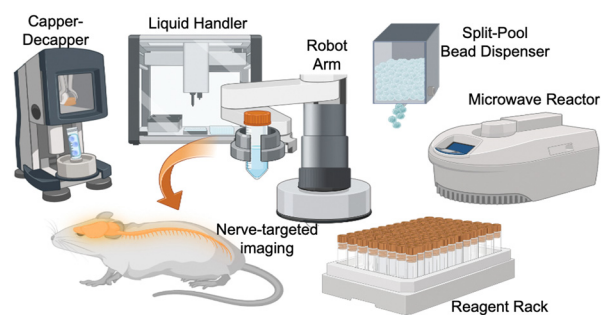
Yuya Sato, Teruhiko Baba, Takeyuki Uchida, Ung-il Chung and Yuji Teramura\*



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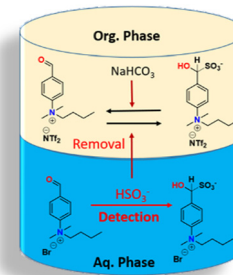
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Nishu Choudhary, Sanjay Yadav, Surjit Bhai, Vasavdutta Sonpal, Bishwajit Ganguly and Alok Ranjan Paital\*



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Md. Roxy Islam, Mizanur Rahaman, Md. Muktedir Billah\* and Muhammad Rakibul Islam\*

