Materials Advances

An open access journal publishing across the breadth of materials science

rsc.li/materials-advances

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

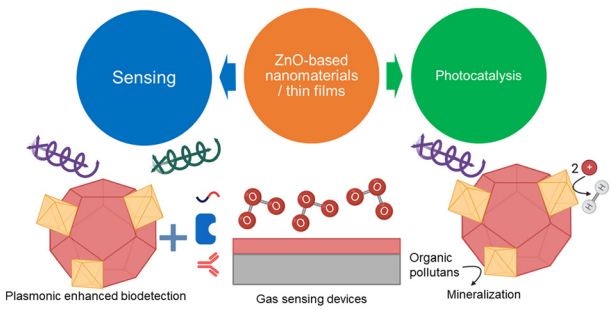
ISSN 2633–5409 CODEN MAADC9 4(17) 3673–3896 (2023)

Cover
See Lu Yao, Cai Lin Wang *et al.*, pp. 3714–3723. Image reproduced by permission of Lu Yao from *Mater. Adv.*, 2023, **4**, 3714.

Inside cover
See Frank Güell, Ateet Dutt *et al.*, pp. 3685–3707. Image reproduced by permission of Ateet Dutt from *Mater. Adv.*, 2023, **4**, 3685.

EDITORIAL

REVIEW



Materials Advances (electronic: ISSN 2633-5409) is published 24 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

Materials Advances is a Gold Open Access journal and all articles are free to read. Please email orders@rsc.org to register your interest or contact Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK Tel +44 (0)1223 432398;
E-mail: **orders@rsc.org**

Materials Advances

rsc.li/materials-advances

Materials Advances publishes experimental and theoretical work across the breadth of materials science.

Editorial Board

Advisory Board

Please see the Materials Advances journal webpage for full details of our advisory board: **rsc.li/materials-advances**

Information for Authors

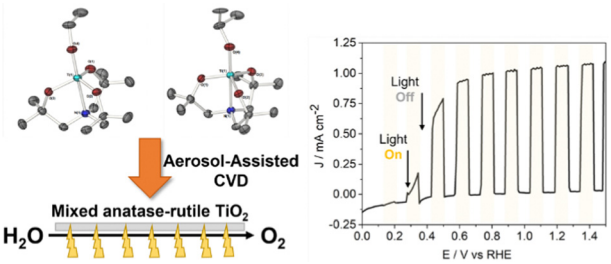
Full details on how to submit material for publication in Materials Advances are given in the Instructions for Authors (available from **http://www.rsc.org/authors**). Submissions should be made via the journal's homepage: **rsc.li/materials-advances**

Authors may reproduce/republish portions of their published contribution without seeking permission from the Royal Society of Chemistry, provided that any such republication is accompanied by an acknowledgement in the form: (Original Citation)–Reproduced by permission of the Royal Society of Chemistry.

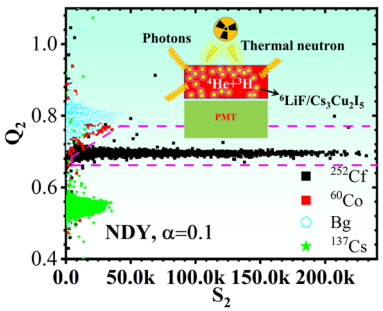
Registered charity number: 207890

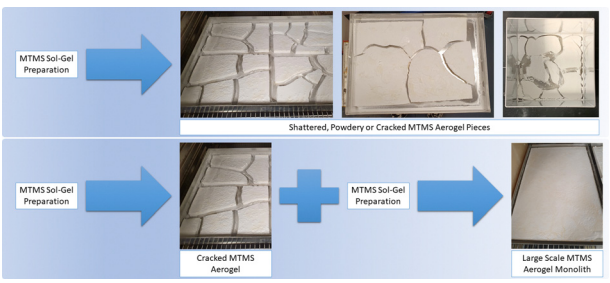
ROYAL SOCIETY OF CHEMISTRY

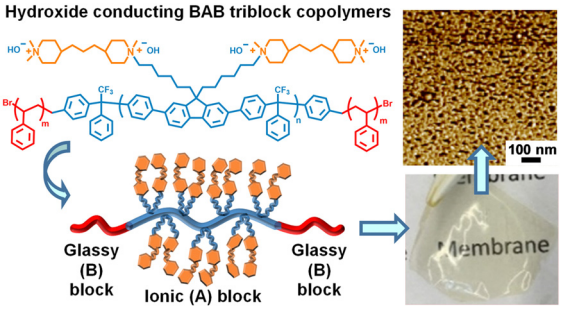
COMMUNICATION



PAPERS

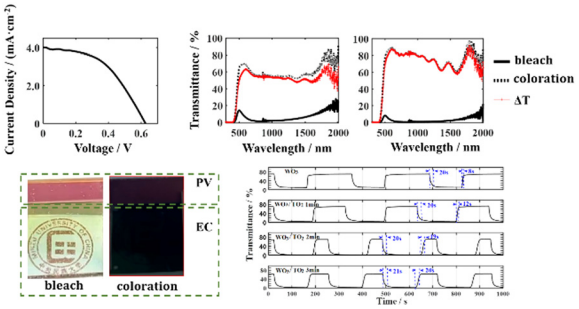


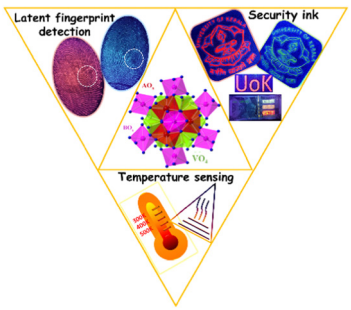


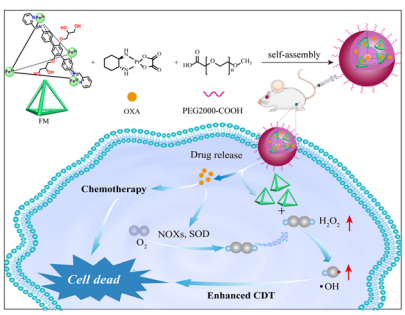


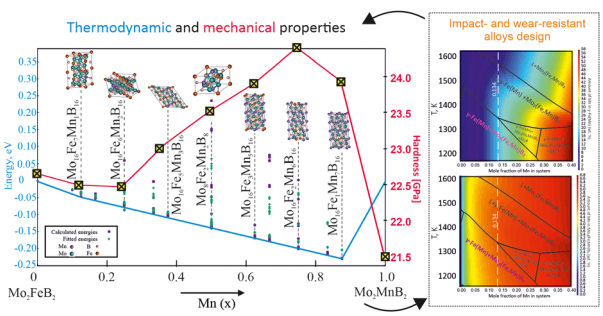
PAPERS

PAPERS









PAPERS

CORRECTIONS

3892

Correction: Solution-processed orange and white OLEDs sensitized by an electroactive pure organic room-temperature phosphorescent polymer

Yiting Tian, Renze He, Guoyun Meng,* Shumeng Wang,* Lei Zhao and Junqiao Ding*

3893

Correction: Large scale recyclable monolithic methyltrimethoxysilane aerogels formed by self-reinforcement

Gylen Odling,* Hannah Logan, Aaron Chan, Andrew J. Bissell, Colin R. Pulham and David E. Oliver