Journal of Materials Chemistry C

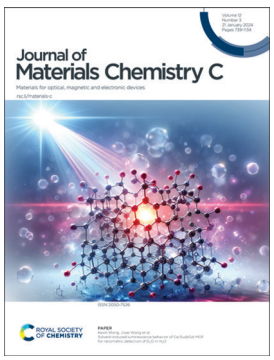
Materials for optical, magnetic and electronic devices

rsc.li/materials-c

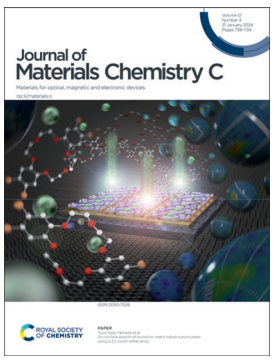
The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 2050–7526 CODEN JMCCCX 12(3) 739–1134 (2024)

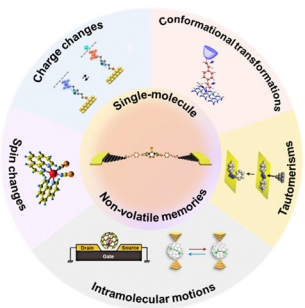


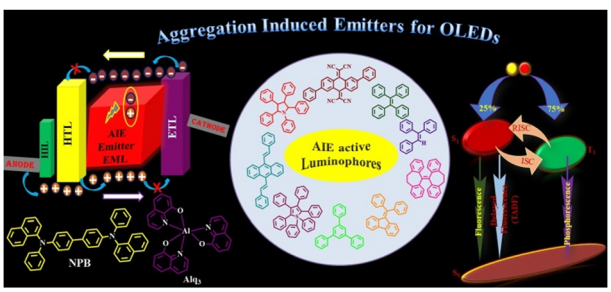
Cover
See Kexin Wang, Jiwei Wang *et al.*, pp. 868–873. Image reproduced by permission of Kexin Wang from *J. Mater. Chem. C*, 2024, **12**, 868.



Inside cover
See Toyo Kazu Yamada *et al.*, pp. 874–883. Image reproduced by permission of Toyo Kazu Yamada from *J. Mater. Chem. C*, 2024, **12**, 874.

REVIEWS





ROYAL SOCIETY OF CHEMISTRY

Fuelling your energy research

Energy & Environmental Science

Agenda-setting research in energy science and technology

Chair of the Editorial Board

Jenny Nelson, Imperial College London, UK

Impact factor 2021: 39.714, median time to first decision (peer reviewed articles only): 46 days*.

rsc.li/ees

EES Catalysis

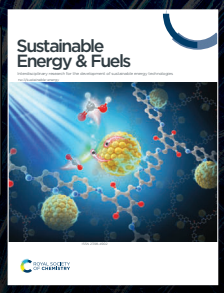
Exceptional research on energy and environmental catalysis

Editor-in-Chief

Shizhang Qiao, University of Adelaide, Australia

Median time to first decision (peer reviewed articles only): 24 days*.

rsc.li/ees-catalysis



Sustainable Energy & Fuels

Driving the development of sustainable energy technologies through cutting edge research

Editor-in-Chief

Garry Rumbles, National Renewable Energy Laboratory and University of Colorado Boulder, USA

Impact factor 2021: 6.813, median time to first decision (peer reviewed articles only): 28 days*.

rsc.li/sustainable-energy

Energy Advances

Embracing research at the nexus of energy science and sustainability

Editor-in-Chief

Volker Presser, Leibniz Institute for New Materials, Germany

Median time to first decision (peer reviewed articles only): 32 days*.

rsc.li/energy-advances

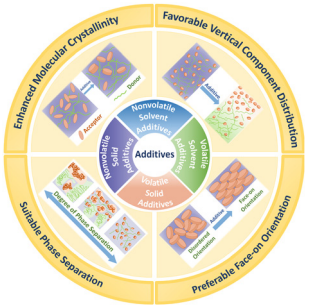
Submit your work today

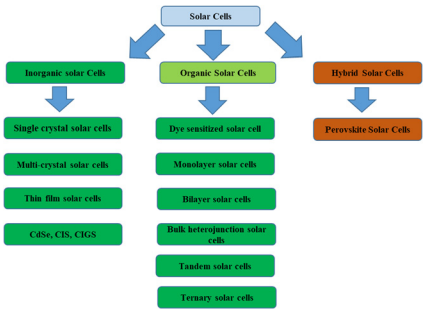
rsc.li/energy

*Visit **rsc.li/metrics-explainer** for more information

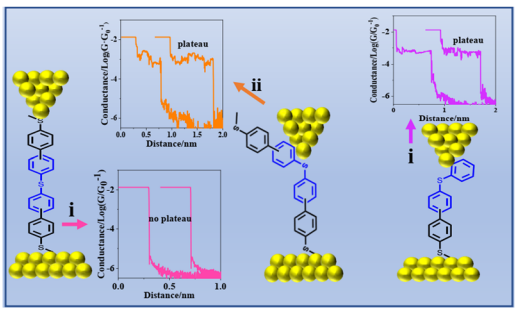
Registered charity number: 207890

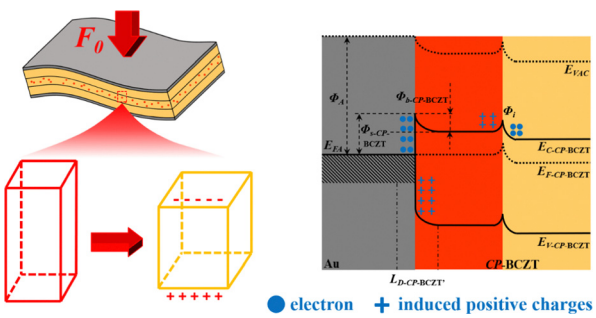
REVIEWS





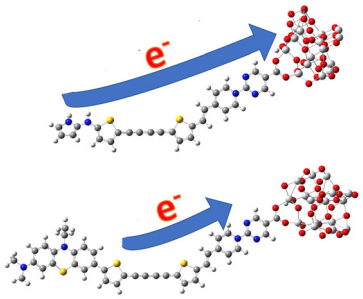
COMMUNICATIONS

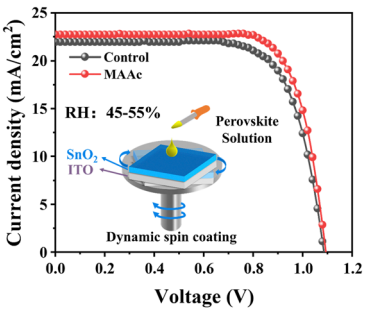


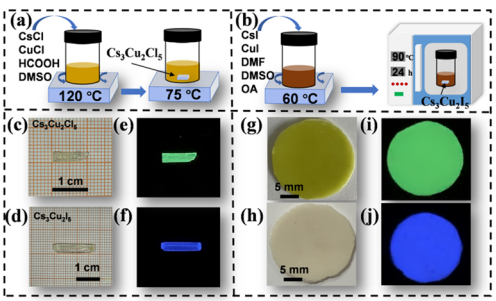


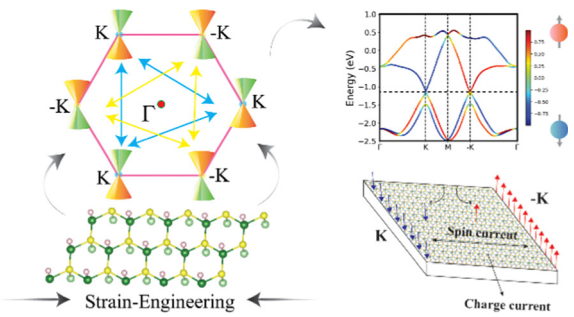
PAPERS

PAPERS



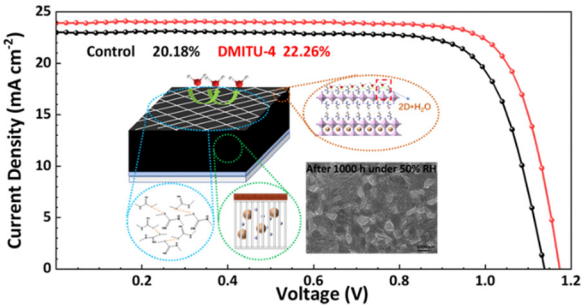


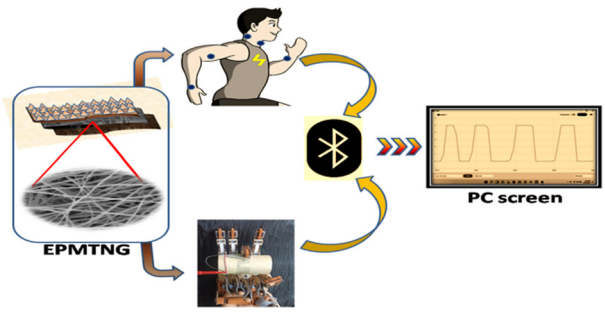


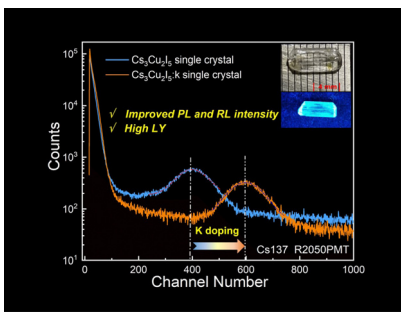


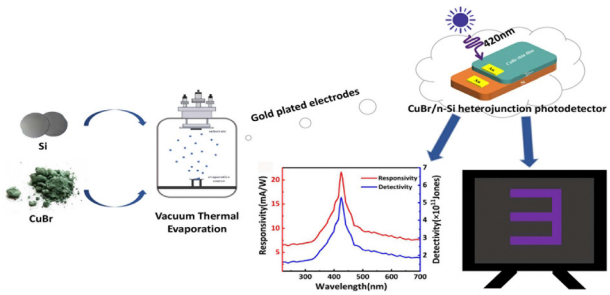
PAPERS

PAPERS



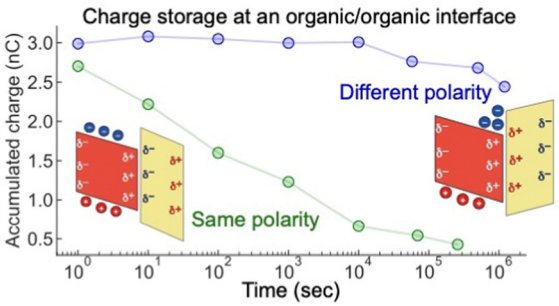


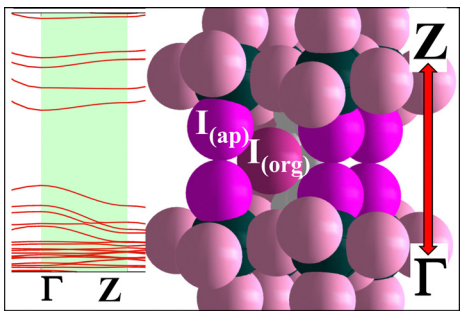


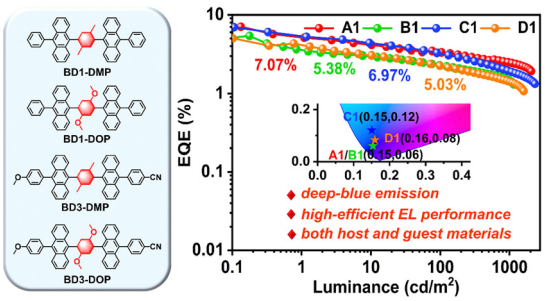


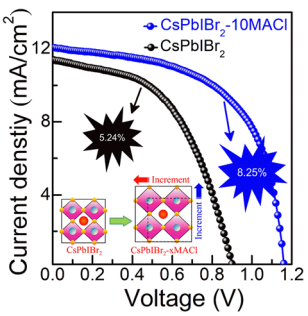
PAPERS

PAPERS









PAPERS