

IN THIS ISSUE

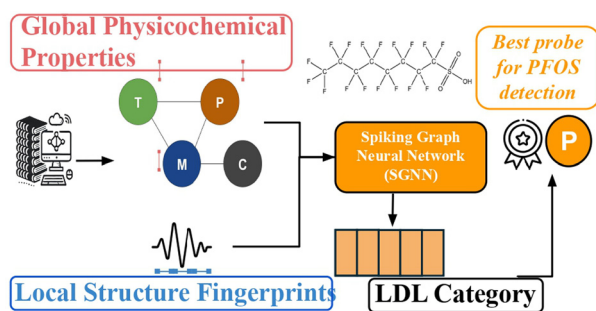
ISSN 2058-9689 CODEN MSDEBG 10(5) 340-426 (2025)



Cover
See Claire Donnat,
Yuxin Chen,
Junhong Chen *et al.*,
pp. 345–356.
Image reproduced by
permission of Junhong Chen
from *Mol. Syst. Des. Eng.*,
2025, 10, 345.

PAPERS

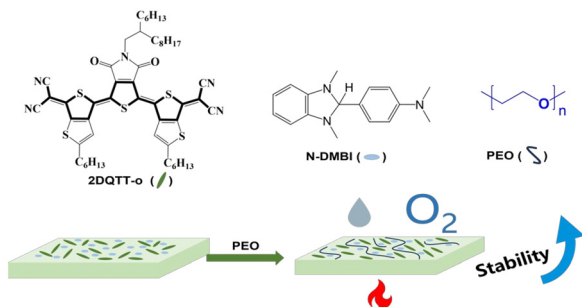
345



Expediting field-effect transistor chemical sensor design with neuromorphic spiking graph neural networks

Rodrigo P. Ferreira, Rui Ding, Fengxue Zhang, Haihui Pu, Claire Donnat,* Yuxin Chen* and Junhong Chen*

357



Stable n-type organic small-molecule conductor enabled by chemically doped ternary components

Bohan Zhou, Ziting Zhong, Runshi Wu, Wenzhao Xiong, Huawei Hu, Anlian Pan, Dafei Yuan* and Xiaozhang Zhu



RSC Applied Interfaces

GOLD
OPEN
ACCESS

Interfacial and surface research with an applied focus

Interdisciplinary and open access

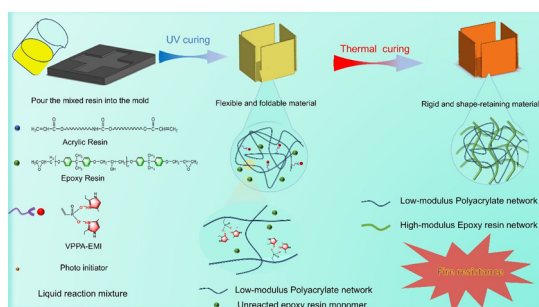
rsc.li/RSCApplInter

Fundamental questions
Elemental answers

Registered charity number: 207890



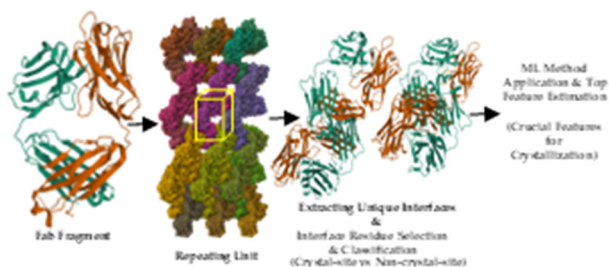
364



The preparation of flame-retardant materials with complex shapes based on a dual-modulus network strategy

Xiaoyu Dong, Lingyu Xu, Jiawei Li, Qiangkun Zhang, Zhongjun Cheng, Zhimin Xie,* Hanyu Ma,* Dongjie Zhang and Yuyan Liu*

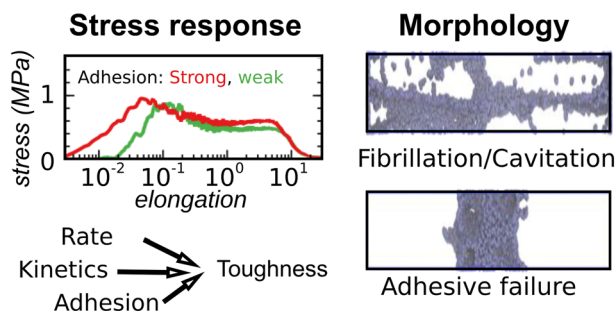
377



Investigating structural biophysical features for antigen-binding fragment crystallization via machine learning

Krishna Gopal Chattaraj, Joana Ferreira, Allan S. Myerson and Bernhardt L. Trout*

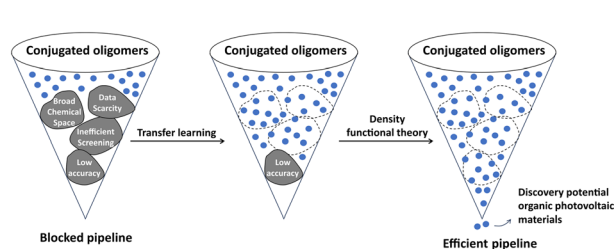
394



Mesoscale modelling of polymer-mediated adhesion: application to tack tests

Aristotelis P. Sgouros,* Stefan Knippenberg, Anthony Bocahut, Phillip M. Rauscher, Ben Sikora, Stefano Caputo, Hee-Sung Choi, Vincent Finsy, Maxime Guillaume and Doros N. Theodorou*

413



Transfer learning accelerated discovery of conjugated oligomers for advanced organic photovoltaics

Siyan Deng, Jing Xiang Ng and Shuzhou Li*

