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Cover

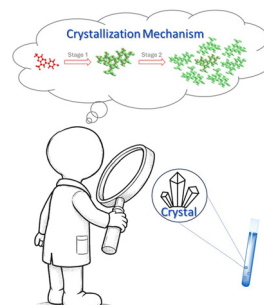
See Marcos A. P. Martins *et al.*, pp. 1565-1577.
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HIGHLIGHTS

1565

Crystallization mechanism of organic compounds: the supramolecular cluster – a demarcation tool

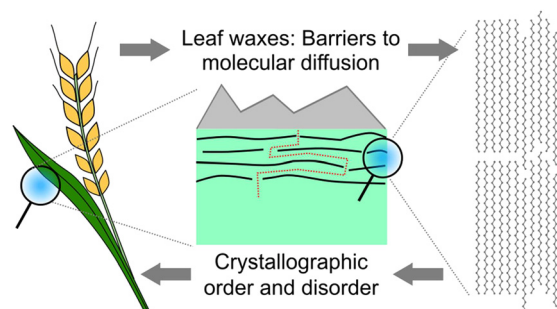
Marcos A. P. Martins,* Priscila S. V. Lima, Eudes F. Silva, Suzan K. Kunz, Tainara Orlando, Nilo Zanatta, Helio G. Bonacorso and Paulo R. S. Salbego



1578

Toward the crystallographic and microstructural mechanisms of plant leaf waxes as diffusion barriers

Sean M. Collins,* Neil George and Andy Brown



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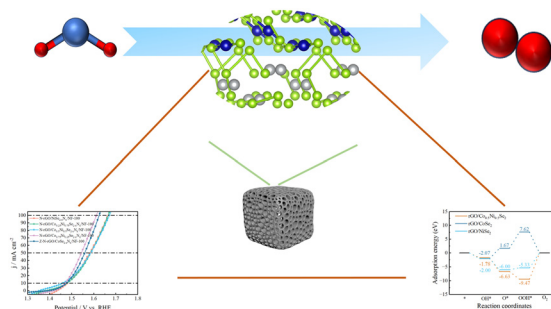
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A heterogeneous interface promotes the efficient oxygen evolution of N-rGO/Co_{0.5}Ni_{0.5}Se_{2-x}N_x/NF

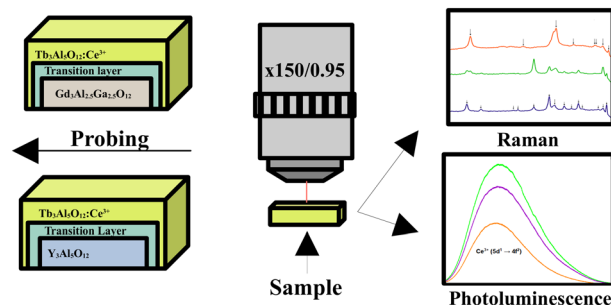
Tong Liu, Jie Zhang, Yusheng Wu, Laishi Li, Tiehui Fang* and Junhua You*



1608

Raman spectroscopy and high-resolution luminescence spectroscopy of Ce³⁺ doped Tb₃Al₅O₁₂ single crystalline film phosphors grown onto Gd₃Al_{2.5}Ga_{2.5}O₁₂ and Y₃Al₅O₁₂ substrates

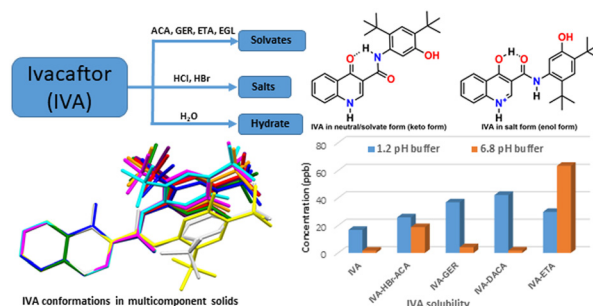
Yurii Syrotych,* Maciej Rzeczowski, Piotr Radomski, Vitaliy Gorbenko, Yuriy Zorenko and Tomasz Runka*



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Crystal engineering of the cystic fibrosis drug ivacaftor: salts, solvates and hydrate forms with solubility and stability studies

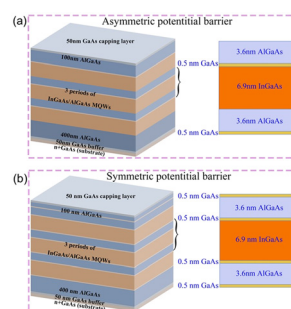
Naga Prathyusha Doguparthi, Manimurugan Kanagavel, Sabiqqa Samreen, Yaramala Navya, Yarasi Soujanya, Debasish Swain* and Sunil Kumar Nechipadappu*



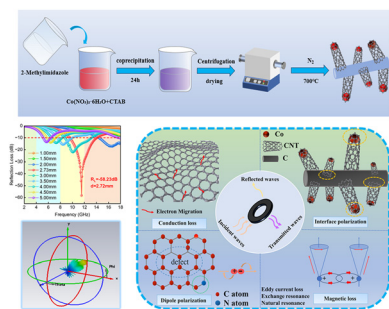
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Carrier confinement engineering in InGaAs/AlGaAs MQWs via an asymmetric barrier

Haoxuan Yi, Xiaodong Hao,* Yuhao Zhou, Zhi Yang, Ruisi Cheng, Simin Liu, Bocang Qiu,* Lin Shang, Shufang Ma* and Bingshe Xu



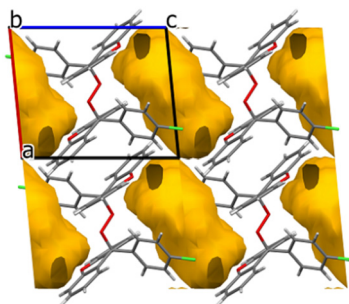
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Design of nitrogen-doped carbon nanotubes/cobalt@carbon composite foam with high electromagnetic wave absorption ability

Wenhao Wang, Shibin Lu,* Jixin Yao,* Ying Meng, Zheng Chen, Cheng Ding, Xiaowei Tong, Xianwei Jiang, Leini Wang and Zhixiang Huang*

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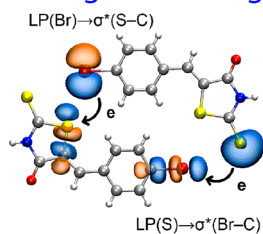


Extremely efficient host selectivity behaviour of stable di-(9-(*p*-chlorophenyl)xanthen-9-yl) peroxide towards *ortho*-xylene when crystallized from mixtures of the C₈H₁₀ aromatic fraction of crude oil

Benita Barton,* Jarryd A. Vorgers and Eric C. Hosten

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Competitive halogen-/chalcogen-bonding

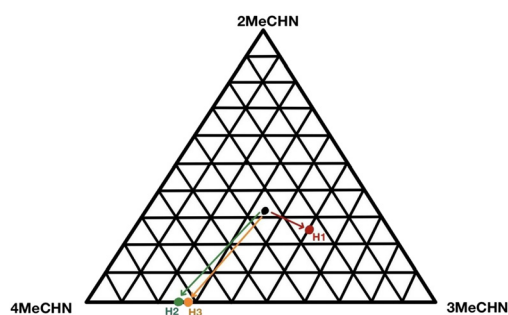


in halogenated dithiocarbamate esters

Co-existence of halogen- and chalcogen-bonding in sulphur-rich systems: a case study of halogenated dithiocarbamate esters

Rosa M. Gomila, Antonio Frontera* and Edward R. T. Tiekink*

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TADDOLs and methylcyclohexanones: selectivity, resolution and the kinetics of decomposition

Hana Bawa, Hong Su, Stephen De Doncker, Susan A. Bourne and Luigi R. Nassimbeni*

