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Cover

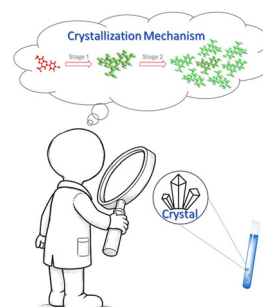
See Marcos A. P. Martins *et al.*, pp. 1565-1577.
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HIGHLIGHTS

1565

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

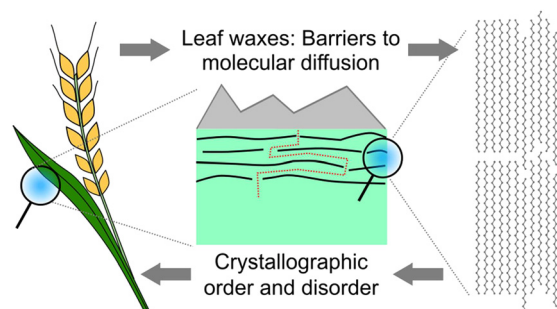
Marcos A. P. Martins,* Priscila S. V. Lima, Eudes F. Silva, Suzan K. Kunz, Tainara Orlando, Nilo Zanatta, Helio G. Bonacorso and Paulo R. S. Salbego



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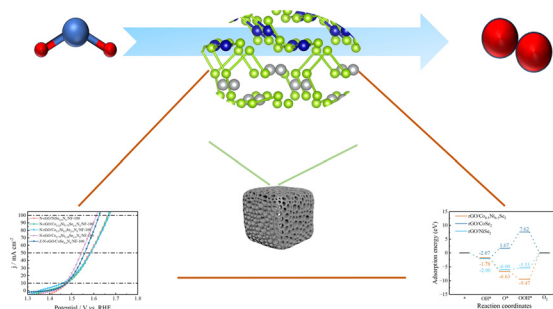
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A heterogeneous interface promotes the efficient oxygen evolution of N-rGO/Co_{0.5}Ni_{0.5}Se_{2-x}N_x/NF

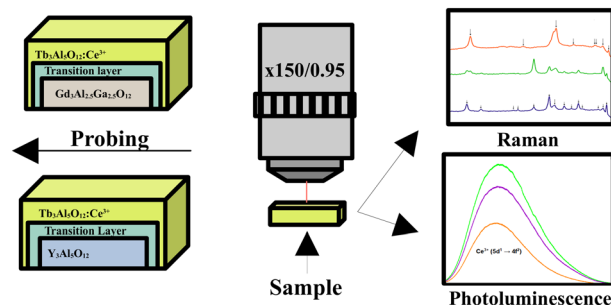
Tong Liu, Jie Zhang, Yusheng Wu, Laishi Li, Tiehui Fang* and Junhua You*



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

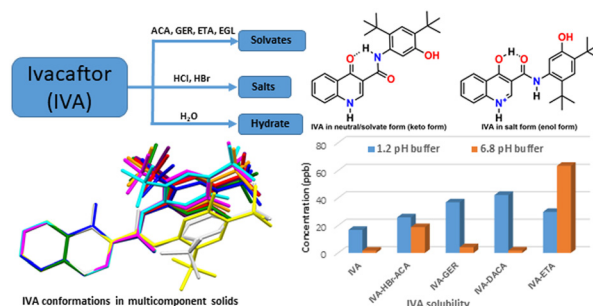
Yurii Syrotych,* Maciej Rzeczowski, Piotr Radomski, Vitaliy Gorbenko, Yuriy Zorenko and Tomasz Runka*



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

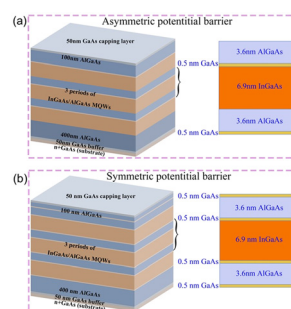
Naga Prathyusha Doguparthi, Manimurugan Kanagavel, Sabiqqa Samreen, Yaramala Navya, Yarasi Soujanya, Debasish Swain* and Sunil Kumar Nechipadappu*



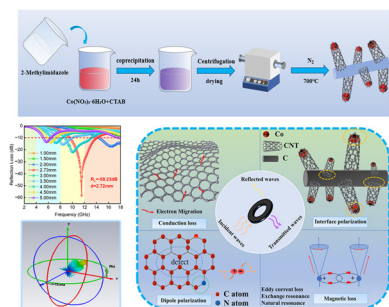
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Carrier confinement engineering in InGaAs/AlGaAs MQWs via an asymmetric barrier

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



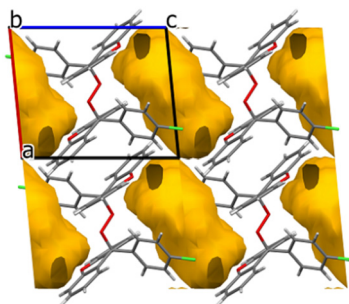
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Design of nitrogen-doped carbon nanotubes/cobalt@carbon composite foam with high electromagnetic wave absorption ability

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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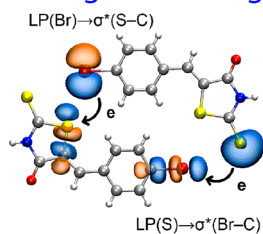


Extremely efficient host selectivity behaviour of stable di-(9-(*p*-chlorophenyl)xanthen-9-yl) peroxide towards *ortho*-xylene when crystallized from mixtures of the C₈H₁₀ aromatic fraction of crude oil

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

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Competitive halogen-/chalcogen-bonding

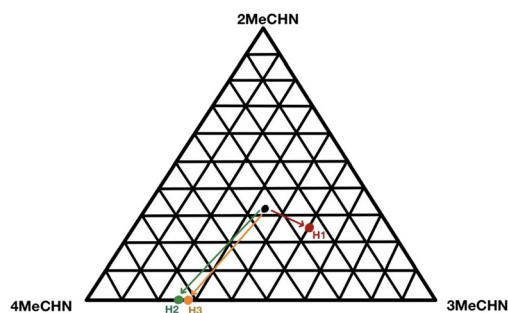


in halogenated dithiocarbamate esters

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*

