

CrystEngComm

A journal at the forefront of the design and understanding of solid-state and crystalline materials

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See Illich A. Ibarra *et al.*, pp. 5768–5777.
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See Vânia André, Luis G. Alves *et al.*, pp. 5787–5795.
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HIGHLIGHT

5768

Crystalline micro and mesoporous materials for applications in heterogeneous catalysis: the evolution of materials

Ana Yañez-Aulestia, Elí Sánchez-González, J. Gabriel Flores, José Antonio de los Reyes, Illich A. Ibarra* and Julia Aguilar-Pliego*

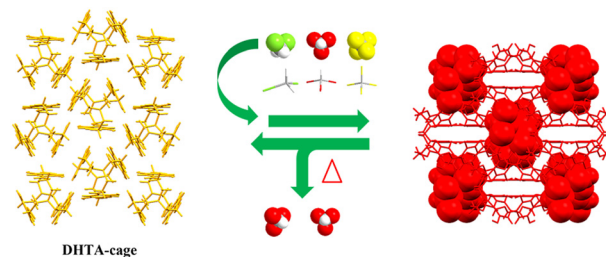


COMMUNICATIONS

5778

Chloroform-selective vapochromic behavior based on crystal-state host-guest complexation of an organic cage

Zhen-an Cai, Jing Du, Tiefan Huang, Yanjun Ding* and Mingzai Wu*



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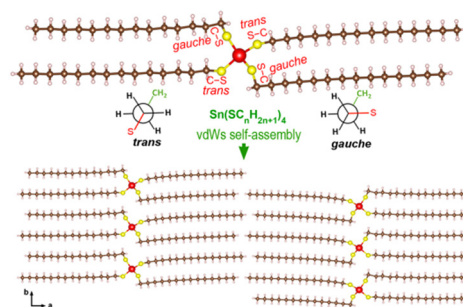


COMMUNICATIONS

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Long-chain tin(IV) alkanethiolates ($\text{Sn}(\text{SC}_n\text{H}_{2n+1})_4$, $n \geq 12$) with the coexistence of *trans* and *gauche* S–C bonds: a class of lamellar van der Waals molecular crystals

Tingting Wang, Yixin Wan, Nan Yu, Kewei Gu, Zhiwei Lu and Junli Wang*

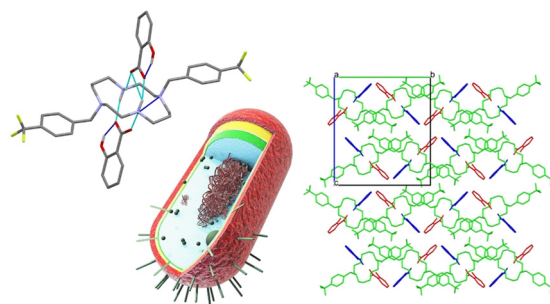


PAPERS

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Novel cyclam multicomponent crystal forms: synthesis, characterization and antimicrobial activity

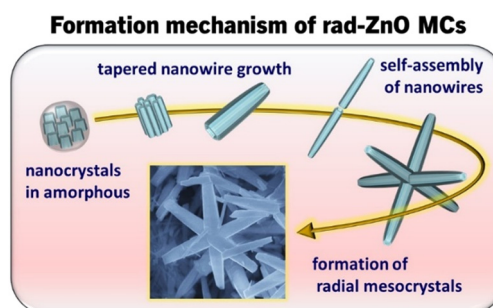
Rajaa Saied, Paula C. Alves, Patrícia Riço, Vânia André* and Luis G. Alves*



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Formation mechanism of radial mesocrystals consisting of ZnO nanowires

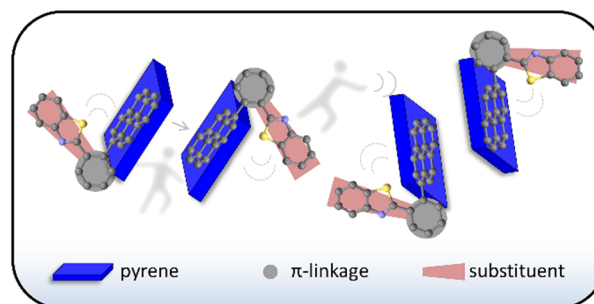
Yaozong Yan, Hiroaki Tada,* Hisashi Sugime and Tetsuro Soejima*



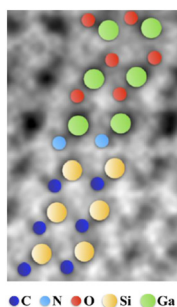
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Constructing a pyrene-based dimer in a crystal by adjusting the steric hindrance over the pyrene plane

Zhou-An Xia, Xiangyu Zhang, Chang Xi, Qing Bai, Haichao Liu,* Shi-Tong Zhang and Bing Yang*



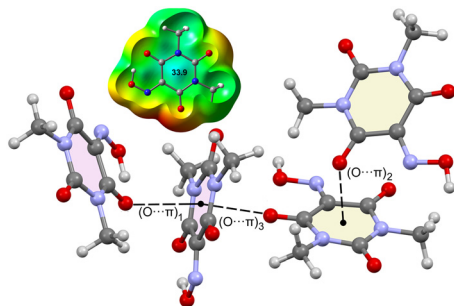
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2D graphitic-like gallium nitride and other structural selectivity in confinement at the graphene/SiC interface

Gianfranco Sfuncia, Giuseppe Nicotra,*
Filippo Giannazzo, Béla Pécz,
Gueorgui Kostov Gueorguiev
and Anelia Kakanakova-Georgieva*

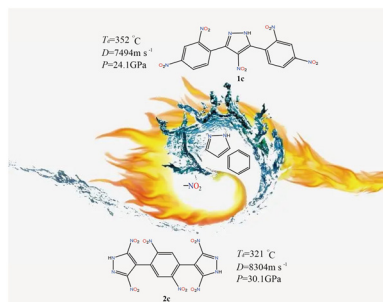
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An experimental and computational investigation of the elusive anhydrous form of Oxyma-B

Rafel Prohens,* Rafael Barbas, Beatriz G. de la Torre,
Fernando Albericio* and Antonio Frontera*

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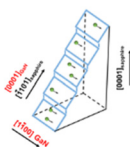


Synthesis, characterization and properties of new heat resistant energetic materials based on two C–C bridged pyrazole and benzene skeletons

Rongzheng Zhang, Yuangang Xu,* Feng Yang,
Pengcheng Wang, Qiuhan Lin, Hui Huang and Ming Lu*

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Non-polar <i>a</i> -plane GaN film	Non-polar <i>a</i> -plane GaN film
LT-GaN nucleation layer	HT-AlN nucleation layer
Miscut <i>r</i> -plane sapphire substrate (MRSS) (0, 0.5, 1.0, 1.5, 2.0°)	Miscut <i>r</i> -plane sapphire substrate (MRSS) (0, 0.5, 1.0, 1.5, 2.0°)



Joint effect of miscut *r*-plane sapphire substrate and different nucleation layers on structural characteristics of non-polar *a*-plane GaN films

Ruiting Fang, Xiong Zhang,* Shuchang Wang,
Xuguang Luo, Shenyu Xu, Yifeng Xu, Zhiyi Lou, Lin Chen
and Guohua Hu

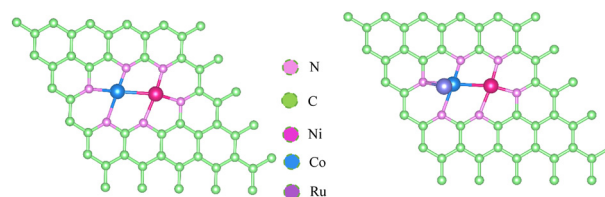


PAPERS

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Improving oxygen reduction reaction and oxygen evolution reaction activities with Ru–NiCo nanoparticles decorated on porous nitrogen-doped carbon for rechargeable Zn–air batteries and OER electrocatalysts

Lili Sui, Lihua Miao,* Ye Kuang, Xiaoyan Shen, Dan Yang and He Huang



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Facile fabrication and characterization of rare earth complexes based on Keggin-type polyoxometalate with highly efficient activity for photocatalytic degradation of MO

Ying-Yu Li, Guan-Yu Jin, Zhi-Qiang Wang, Cong Hu, Xue-Dong Wang, Jian-Ming Liu, Min Liu, Hong-Liang Han,* Zhong-Feng Li* and Qiong-Hua Jin*

