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See Venishaa Sethumadhavan and Nonappa, pp. 11770–11789.

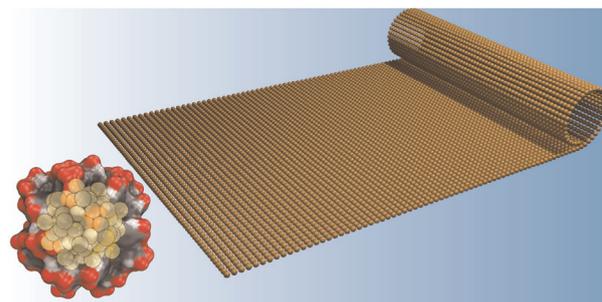
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11770

Atomically precise noble metal nanoclusters for engineering self-assembled two-dimensional materials

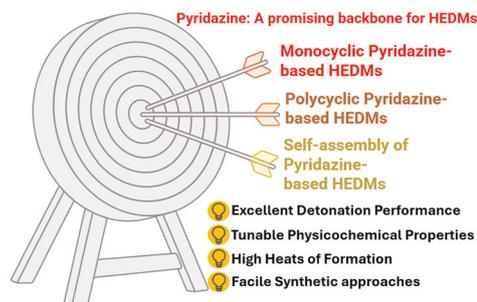
Venishaa Sethumadhavan and Nonappa*



11790

Unlocking the potential of pyridazine: a promising backbone for high-energy density compounds

Parasar Kumar, Shreyasi Banik and Srinivas Dharavath*



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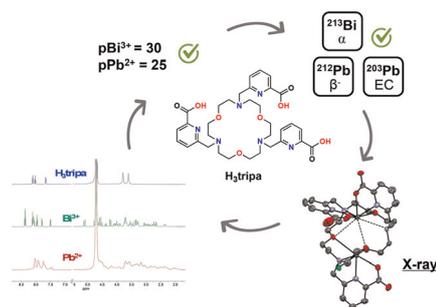
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Evaluating a triaza-18-crown-6 picolinate chelator for [$^{212}/^{203}\text{Pb}$]Pb $^{2+}$ and [$^{212}/^{213}\text{Bi}$]Bi $^{3+}$ theranostics

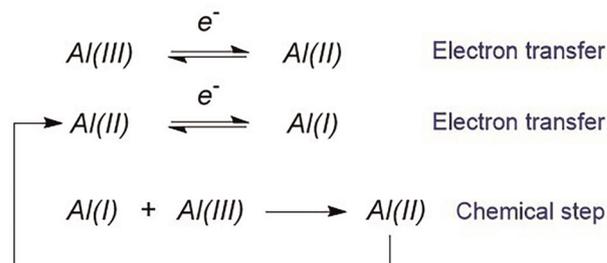
Desiree Fiaccabrino, Tinotenda Masvikeni, Brooke L. McNeil, Brian O. Patrick, María de Guadalupe Jaraquemada-Peláez,* Paul Schaffer* and Chris Orvig*



11808

Probing the redox chemistry of β -diketiminato supported aluminium complexes

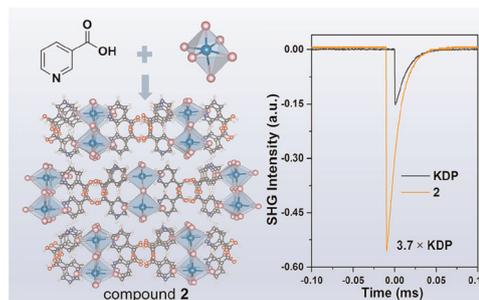
Fáinché Murphy, Madeleine Bell, Elyse Aitken, Brian G. McMillan* and Catherine E. Weetman*



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Strong second-harmonic generation response in an organic–inorganic hybrid antimony bromide

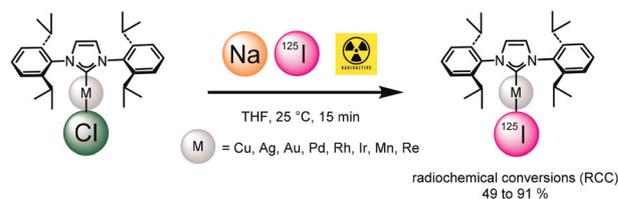
Xuemei Wen, Gangji Yi, Qinglan Zhong, Caihong Guo,* Hongmei Zeng, Guohong Zou and Zhien Lin*



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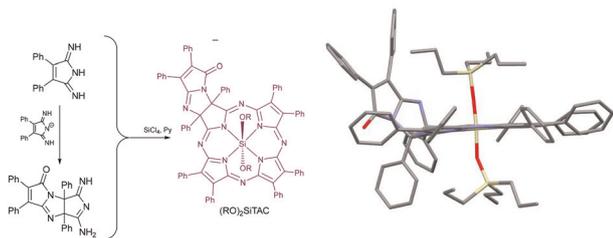
Chloride-to-(radio)iodide exchange on NHC–metal complexes

Ginevra Giobbo, Killian Henault, Gauthier Foucras, Anais Prigent, Sylvain Gaillard* and Thomas Cailly*



COMMUNICATIONS

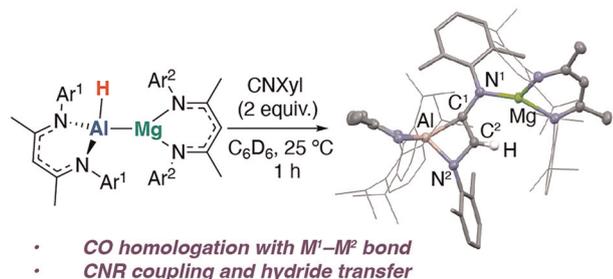
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Silicon(IV) tetraazachlorin – an unusual cycloaddition product from 3,4-diphenyl-1H-pyrrole-2,5-diimine

Ekaterina D. Rychikhina, Svetlana S. Ivanova,*
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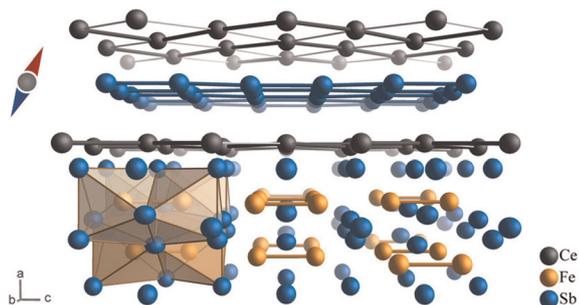


Homocoupling of C₁ building blocks by a heterometallic Mg–Al complex

Wenbang Yang, Andrew J. P. White and
Mark R. Crimmin*

PAPERS

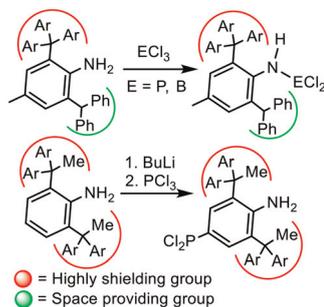
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Synthesis, structure, magnetic and transport properties of CeFeSb₃

Manuel Schulze, Bastian Rubrecht, Felix Seewald,
Kati Finzel, Bernd Büchner, Anja U. B. Wolter,
Hans-Henning Klaus, Thomas Doert* and
Michael Ruck

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The investigation of the steric hindrance of anilines by means of reactions with PCl₃ and BCl₃

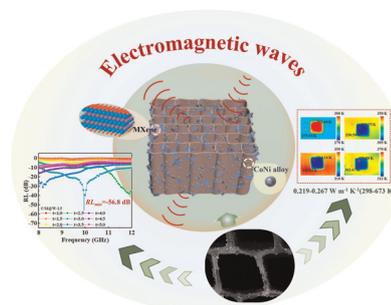
Vlastimil Němec, Maksim A. Samsonov,
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Bifunctional CoNi/MXene@Wood with vertical aperture structure for electromagnetic wave absorption and infrared stealth

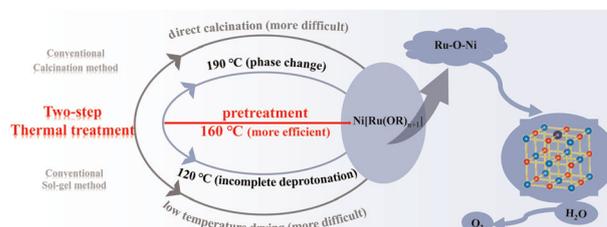
Yuanyuan Li, Mingqiang Ning,* Zhe Zou, Ming Gao and Qikui Man



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Construction of Ni³⁺-rich, Ru-doped NiO nanoparticles with lattice strain for enhanced OER performance

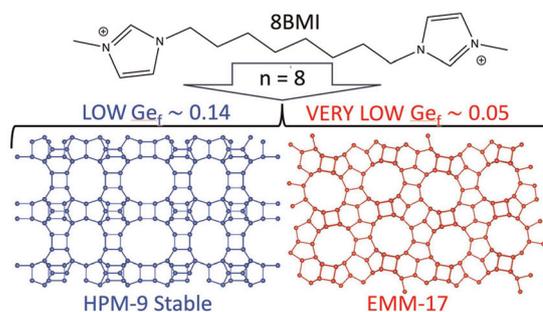
Yi Wang, Yu Zhang, Jingce Bi, Huichun Xue, Ningning Liu, Jie Sun, Xia Zhang, Zhuopeng Wang, Lin Zhu and Yide Han*



11878

An imidazolium dication affords a stable UWY-like zeolite and enables a subtle structure direction towards EMM-17

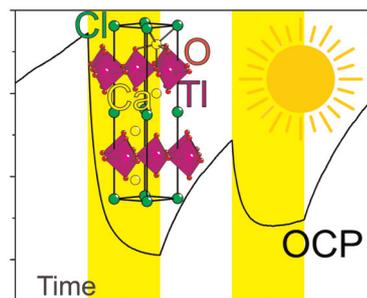
Huajian Yu, Peng Lu, Zihao Rei Gao,* Alvaro Blanco and Miguel A. Cambor*



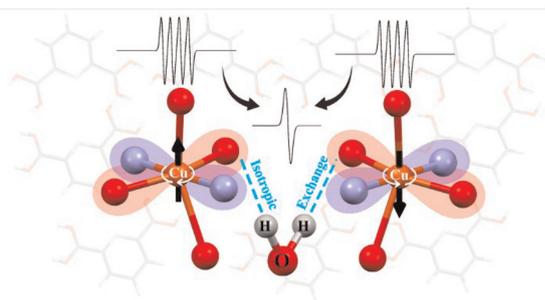
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Layered anion ordering in oxide chloride Ca₂TiO₃Cl

Lars Botolv Ekeli Bråtalen, Ola Nilsen, Dipankar Saha, Chris Erik Mohn, Athanasios Chatzitakis and Martin Valldor*



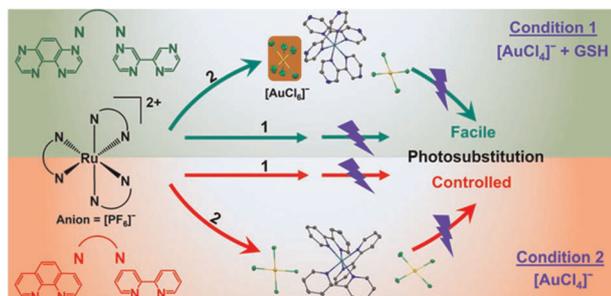
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Water-mediated isotropic exchange in an extended Cu(II) crystal lattice: a structural, magnetic and EPR study

Ana L. Pérez, Axel Kemmerer, María de los Milagros Citta, Sebastián Suarez, Ricardo Baggio, Ayelén F. Crespi, Juan M. Lázaro-Martínez, Carlos A. Ramos, Marcelo Vasquez Mansilla and Carlos D. Brondino*

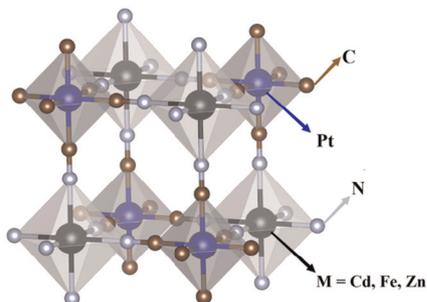
11905



Controlled photosubstitution of Ru(II) polypyridyl complexes with gold chloride

Jitendra K. Sahu, Anju Pal, Mohit Kulshrestha, Srinu Tothadi and Kalyan K. Sadhu*

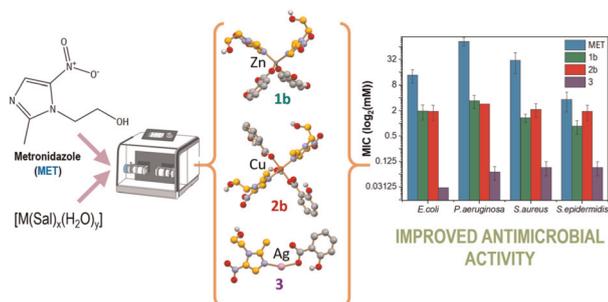
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Anharmonic properties of Prussian blue analogues $M^{II}Pt^{IV}(CN)_6$ ($M^{II} = Cd, Fe, Zn$)

Geng Wang, Zhi-Hao Yao, Ken Suzuki, Ying Chen and Lei Wang*

11925



Zinc(II), copper(II) and silver(I) salicylate-metronidazole complexes as novel antimicrobial agents

Laura Contini, Raymond J. Turner* and Fabrizia Grepioni*

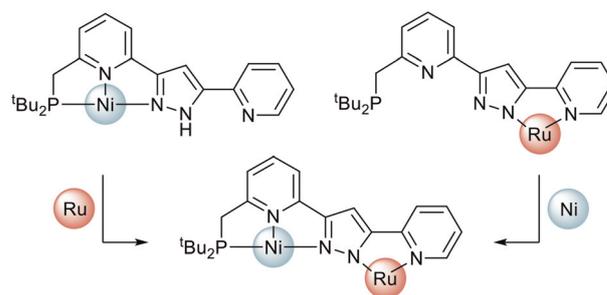


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Nickel–ruthenium heterobimetallic complexes of a dinucleating unsymmetrical pincer ligand

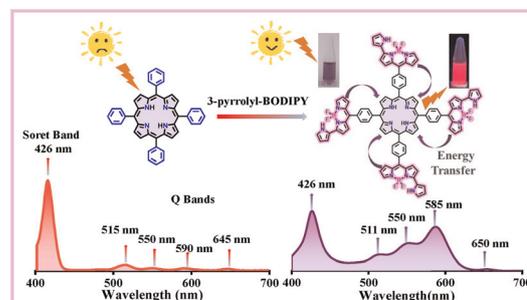
Vuyelwa Ngwenya, Michael A. Stevens, Michael G. Gardiner and Annie L. Colebatch*



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Synthesis and studies of *meso*-3-pyrrolyl BODIPYnyl porphyrins

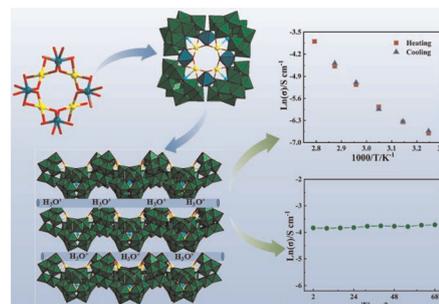
Abani Sarkar, Debendra Tewary, Ankit Kumar and Mangalampalli Ravikanth*



11953

Crown-type tetranuclear Ag-POM exhibits excellent proton conductivity performance

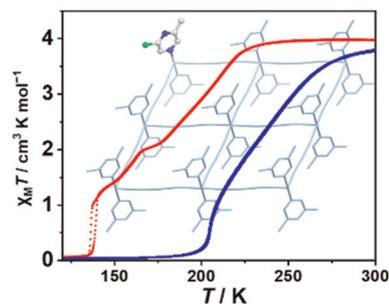
Yahao Sun, Minzhen Cai, Pengtao Ma, Jingyang Niu* and Jingping Wang*



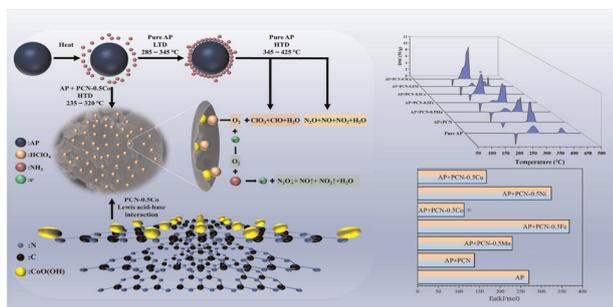
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Multi-step spin-crossover in a 2D Hofmann-type clathrate with bisubstituted pyrazine

Xiangkun Wen, Mengling Wu, Yancong Chen, Yanru Chen, Zhaoping Ni* and Mingliang Tong



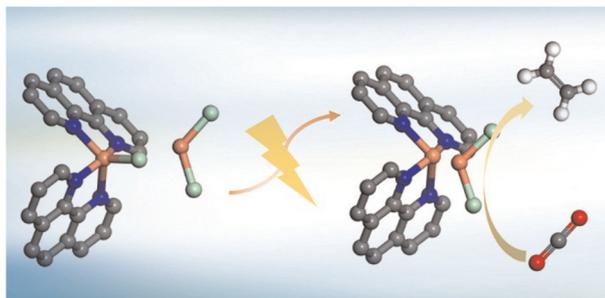
11964



Transition metal-doped porous carbon nitride composites serve as highly reactive catalysts for thermal decomposition of ammonium perchlorate

Qin Liu, Siyu Ma, Xingyang Cui, Shuyue Xu, Jinchao Ma* and Hua Qian*

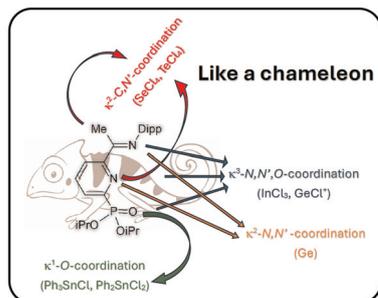
11977



Reconfiguration of a mixed-valence copper complex during CO₂ electroreduction promotes CO₂-to-C₂H₄ conversion

Xinkai Wang, Yang Yang and Xian-Ming Zhang*

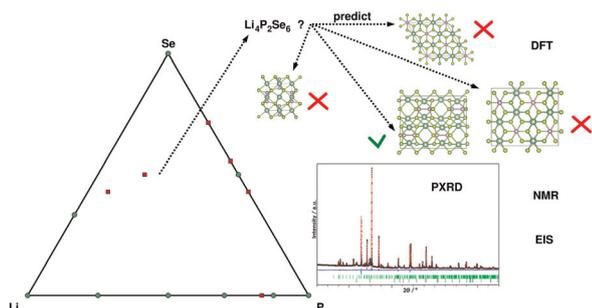
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Conformational and electronic variability of *N,N',O*-ligand documented on its coordination to main group halides

Yaraslava Milasheuskaya, Zdeňka Růžicková, Aleš Růžička, Štěpán Podzimek, Roman Jambor and Miroslav Novák*

11996



Li₄P₂Se₆ – structure and properties

Sven Neuberger, Neeshma Mathew, Sheyi Clement Adediwura, Hector Javier Cortes Sanchez and Jörn Schmedt auf der Günne*

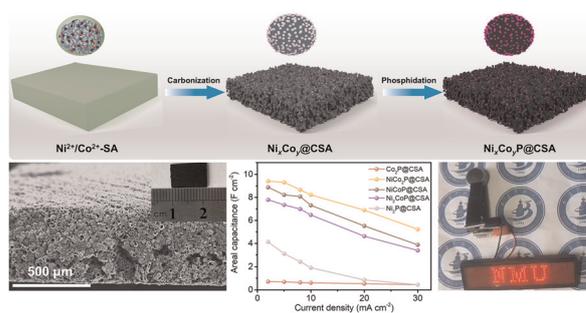


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Porous carbon membrane embedded with high-loading NiCoP nanoparticles as bifunctional electrodes for supercapacitors and electrocatalytic water splitting

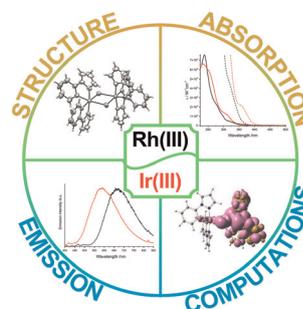
Fang Wang, Mengjuan Xu, Jinyu Ma, Yiming Li, Jiao Zhang, Zhengguo Zhang and Shixiong Min*



12018

Spectroscopic, structural and photophysical characterization of chloro-bridged iridium(III) and rhodium(III) dinuclear complexes with 1-phenyl-1H-pyrazole and their analogues with 1-(2,4-difluorophenyl)-1H-pyrazole

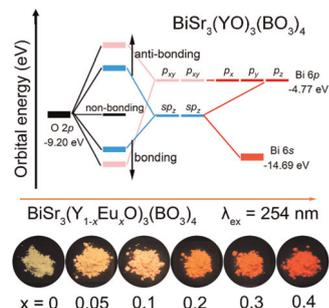
Patryk Wójcik, Camille Latouche,* Kinga Suwińska and Anna Kamecka*



12030

Electronic structure analysis, a large Stokes shift of Bi³⁺ in BiSr₃(YO)₃(BO₃)₄ and color-tunable emissions by energy transfer to Eu³⁺ dopants

Yan Gao,* Guangxiang Lu, Rihong Cong* and Tao Yang*



12041

Constructing crystalline NiCo₂O₄/amorphous MoNiCo-LDH through high valence Mo doping for high-performance hybrid supercapacitors

Juan Lei, Yan Zhang, Yujing Wang, Xiaoli Ren, Lijun Cheng, Qinqin He and Shuang Wang*

