

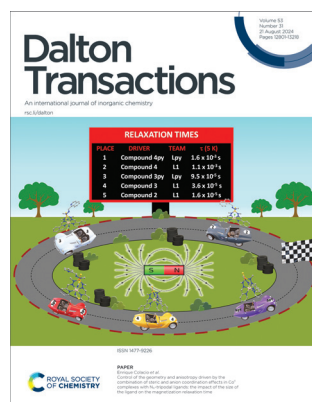
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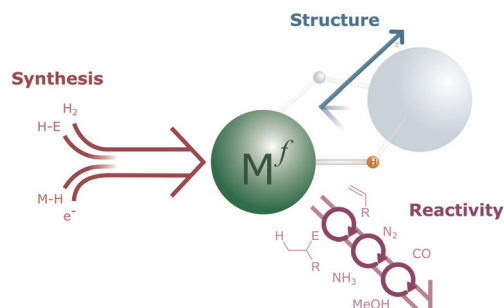
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PERSPECTIVE

12814

f-Block hydride complexes – synthesis, structure and reactivity

Richard Drummond Turnbull and Nicola L. Bell*

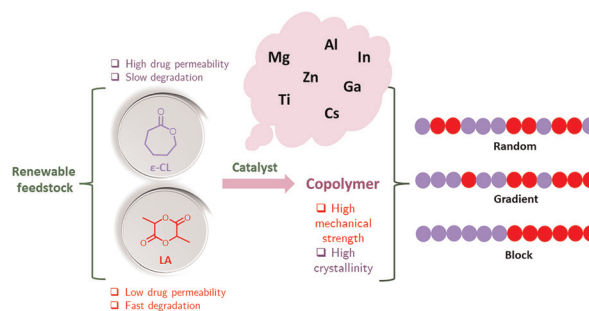


FRONTIER

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Crafting sustainable solutions: architecting biodegradable copolymers through controlled ring-opening copolymerization

Shweta Sagar, Priyanku Nath, Aranya Ray, Alok Sarkar and Tarun K. Panda*



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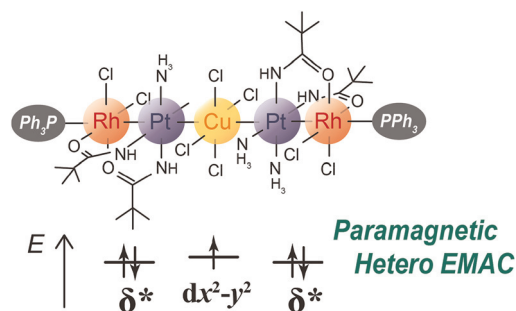
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COMMUNICATIONS

12867

Structure and redox behaviour of a paramagnetic Rh–Pt–Cu–Pt–Rh heterometallic-extended metal-atom chain

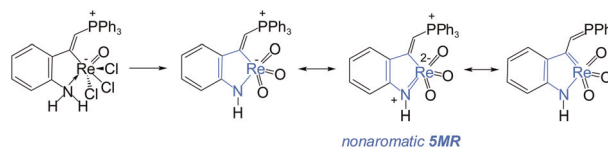
Kazuhiro Uemura* and Yuya Ikeda



12872

Aza-metallacycles with a heptavalent Re (d⁰) center

Qianhang Wang, Yarong Wang, Yue Zhao, Yang Li,* Wenfeng Jiang* and Wei Bai*

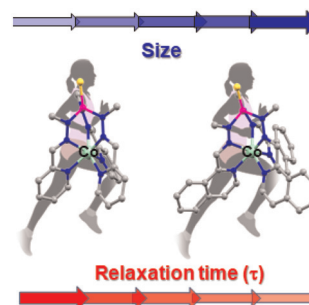


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12876

Control of the geometry and anisotropy driven by the combination of steric and anion coordination effects in Co^{II} complexes with N₆-tripodal ligands: the impact of the size of the ligand on the magnetization relaxation time

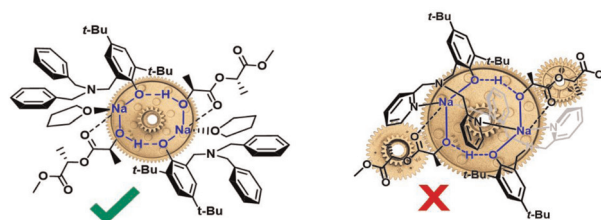
Aritz Landart, María Mar Quesada-Moreno, María A. Palacios,* Yanling Li, Mykhaylo Ozerov, J. Krzystek and Enrique Colacio*



12893

Structural subtleties and catalytic activity of sodium aminophenolate complexes in polylactide degradation: towards sustainable waste management solutions

Edyta Nizioł, Aleksandra Marszałek-Harych, Wiktor Zierkiewicz, Łukasz John and Jolanta Ejfler*



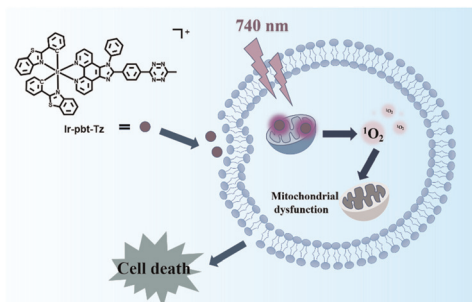
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Hydrogen production by a fully *de novo* enzyme

Sigrid Berglund, Clara Bassy, Ibrahim Kaya,
Per E. Andrén, Vitalii Shtender, Mauricio Lasagna,
Cecilia Tommos, Ann Magnuson and Starla D. Glover*

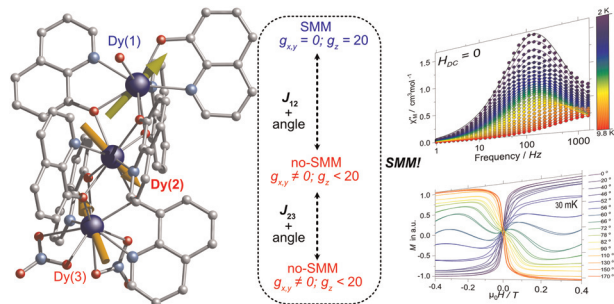
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Cyclometalated iridium(III) tetrazine complexes for mitochondria-targeted two-photon photodynamic therapy

Zanru Tan, Mingwei Lin, Jiangping Liu,* Huihui Wu* and Hui Chao*

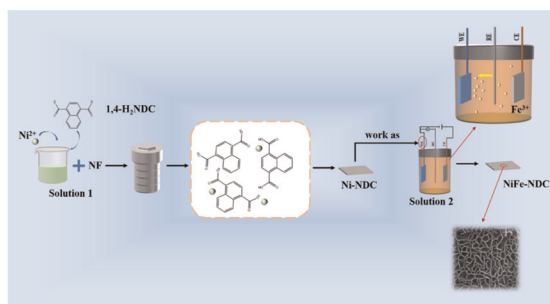
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Magnetic behaviour of a spin-canted asymmetric lanthanide quinolate trimer

Lester Batista, Sagar Paul, Concepción Molina-Jirón,*
Juan A. Jaén, Dieter Fensker, Olaf Fuhr, Mario Ruben,*
Wolfgang Wernsdorfer* and Eufemio Moreno-Pineda*

12936



A bimetallic NiFe MOF with ultra-thin two-dimensional nanosheet structure effectively accelerates oxygen evolution reaction

Jiaqi He, Xin Deng, Wenting Sun, Wenjing Shang,
Yongbing Lou and Jinxi Chen*

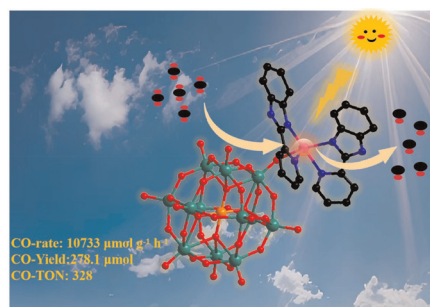


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Dual-nodes bridged cobalt-modified Keggin-type polyoxometalate-based chains for highly efficient CO₂ photoconversion

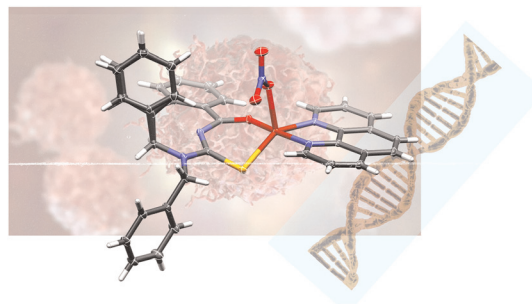
Xin-Lian Chen, Jie Wu, Ji-Lei Wang, Xiao-Mei Liu, Hua Mei* and Yan Xu*



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Exploring the BSA- and DNA-binding, cytotoxicity, and cell cycle evaluation of ternary copper(II)/diimine complexes with *N,N*-dibenzyl-*N'*-benzoylthiourea as promising metallodrug candidates

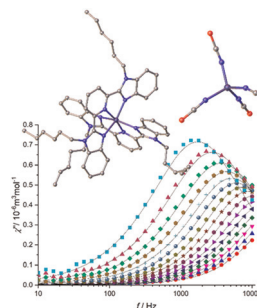
Guilherme R. Gonçalves,* Tamara Teixeira, Daniel P. Bezerra, Milena B. P. Soares, Valdenizia R. Silva, Luciano de S. Santos, Alzir A. Batista, Katia M. Oliveira and Rodrigo S. Correa*



12962

Magnetic anisotropy and slow relaxation of magnetisation in double salts containing four- and six-coordinate cobalt(II) complex ions

Jana Juráková, Vinicius Tadeu Santana, Ján Pavlík, Ján Moncol, Ivan Nemeč, Miguel Clemente-León, Senthil Kumar Kuppasamy, Mario Ruben, Erik Čizmár and Ivan Šalitroš*



12973

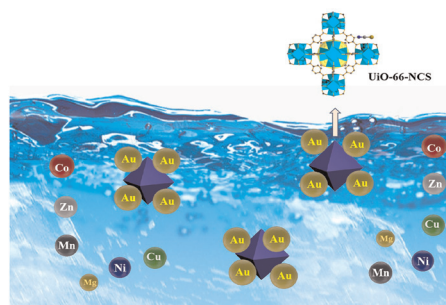
Construction of hierarchical NCMTs@MoO₂/FeNi₃ tubular heterostructures for enhanced performance in catalysis and protein adsorption

Hongxin Wang, Lixian Guo,* Jianmin Pan, Jingli Xu, Xue-Bo Yin and Min Zhang*



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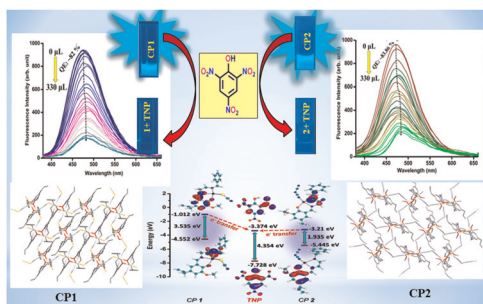
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Efficient recovery of gold from solution with a thiocyanate-modified Zr-MOF: adsorption properties and DFT calculations

Yu-juan Xie, Tang-ming Li, Zhao-ting Shang, Wang-ting Lu and Fan Yu*

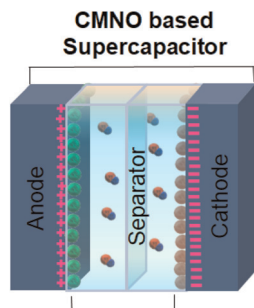
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Using eugenol scaffold to explore the explosive sensing properties of Cd(II)-based coordination polymers: experimental studies and real sample analysis

Suvamoy Malik, Udayan Mondal, Narayan Ch. Jana, Priyabrata Banerjee* and Amrita Saha*

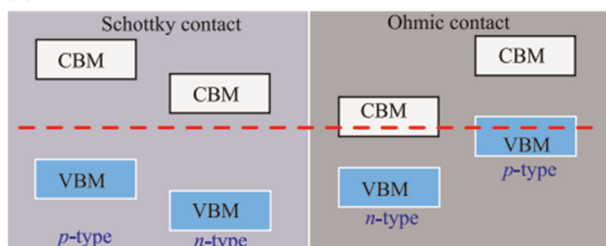
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Facile hydrothermal synthesis of a tri-metallic Cu–Mn–Ni oxide-based electrochemical pseudo capacitor

Komal Ali Rao, Muhammad Ehsan Mazhar* and Javed Ahmad

13022



Computational investigations of the metal/semiconductor NbS₂/boron phosphide van der Waals heterostructure: effects of an electric field

Nguyen V. Vinh, Son-Tung Nguyen and Khang D. Pham*

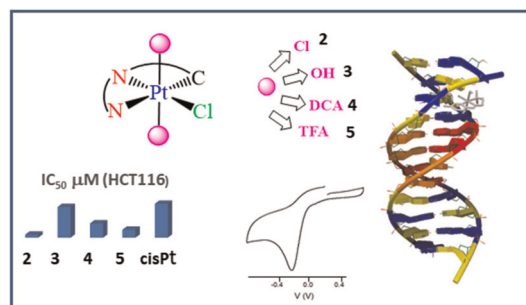


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Exploring the effect of the axial ligands on the anticancer activity of [C,N,N'] Pt(IV) cyclometallated compounds

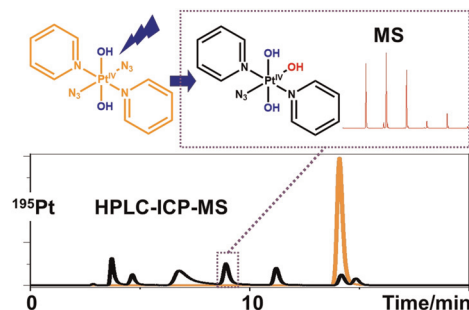
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Photosubstitution and photoreduction of a diazido platinum(IV) anticancer complex

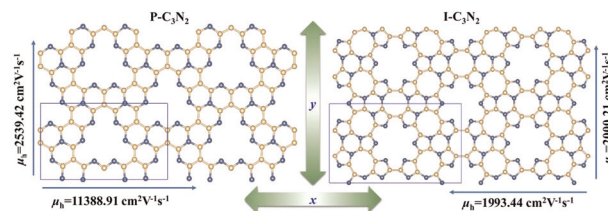
Huayun Shi, Christian Ward-Deitrich, Fortuna Ponte, Emilia Sicilia,* Heidi Goenaga-Infante* and Peter J. Sadler*



13055

Prediction of two-dimensional C₃N₂ semiconductors with outstanding stability, moderate band gaps, and high carrier mobility

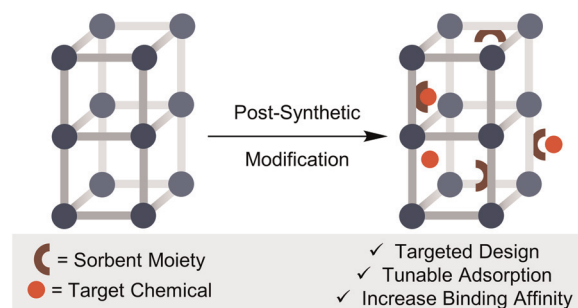
Longhui Li, Rui Tan,* Yulou Ouyang, Xiaolin Wei and Zhenkun Tang*



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Adsorbents for hydrogen-bond accepting hazardous chemicals by post-synthetic modification of UiO-66-NH₂

Daniel A. Corbin, Michael R. Papantonakis, Viet K. Nguyen, Christopher J. Breshike* and R. Andrew McGill

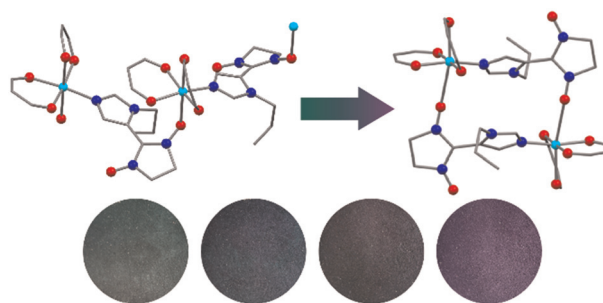


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Solvent-controlled solid-state phase transitions of a heterospin Cu(II) complex with imidazolyl-substituted nitronyl nitroxide

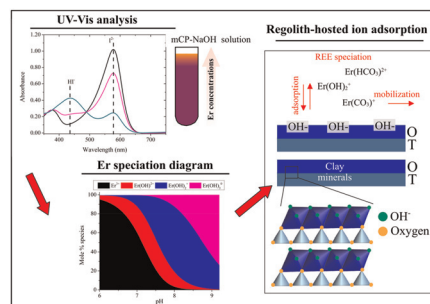
Kristina A. Smirnova, Irina V. Golomolzhina, Galina V. Romanenko, Sergey V. Fokin, Svyatoslav E. Tolstikov, Gleb A. Letyagin, Platon A. Chernavin and Artem S. Bogomyakov*



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UV-Vis spectrophotometric determination of rare earth elements (REE) speciation at near-neutral to alkaline pH. Part I: *m*-cresol purple properties from 25–75 °C and Er hydrolysis

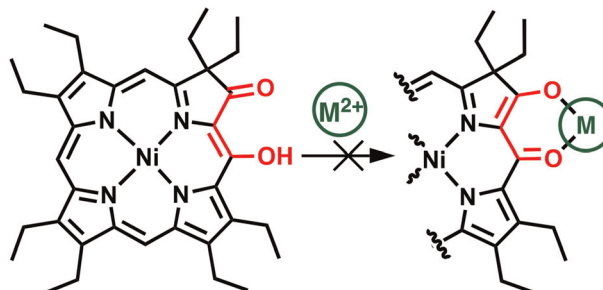
Hannah Juan Han* and Alexander P. Gysi



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Oxochlorin frameworks confining a β -hydroxyketone moiety

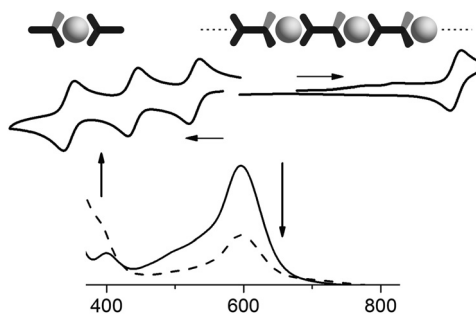
Nivedita Chaudhri,* Matthew J. Guberman-Pfeffer, Matthias Zeller and Christian Brückner*



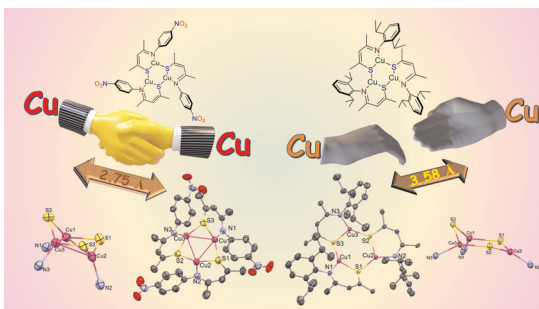
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Spectro-electrochemical study of iron and ruthenium bis-terpyridine complexes with methyl viologen-like subunits as models for supramolecular polymers

Mira T. Gamache, Benjamin Gehring, Garry S. Hanan and Dirk G. Kurth*



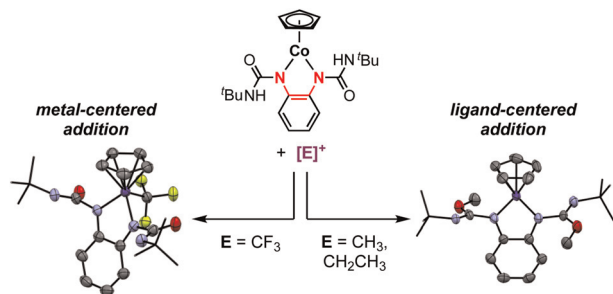
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Steric and electronic influence on Cu–Cu short contacts in β -thioketiminato tricopper(I) clusters

Venkata Sai Sashankh Penki, Yu-Ting Chu, Hsing-Yin Chen, Sri Sudewi, Chien-Hung Li, Genin Gary Huang* and Sodio C. N. Hsu*

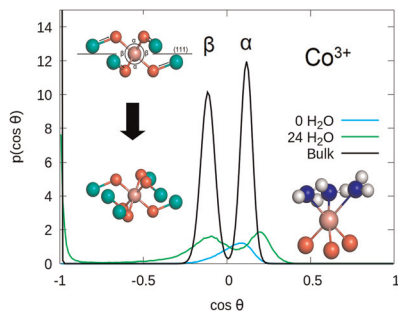
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Metal- versus ligand-centered reactivity of a cobalt-phenylenediamide complex with electrophiles

Minzhu Zou, Sewwandi Kuruppu, Thomas J. Emge and Kate M. Waldie*

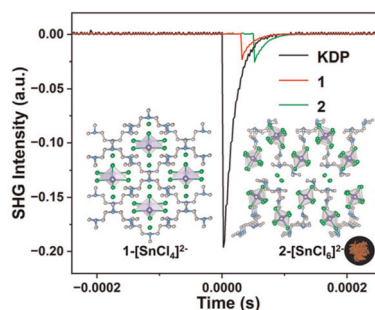
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Co_3O_4 (111) surfaces in contact with water: molecular dynamics study of the surface chemistry and structure at room temperature

Tim Kox and Stephane Kenmoe*

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Amine-directed synthesis, valence state control, and optical properties of two new organic–inorganic tin chlorides

Xuemei Wen, Gangji Yi, Zhizhuan Zhang, Caihong Guo,* Hongmei Zeng, Ling Huang, Guohong Zou and Zhien Lin*

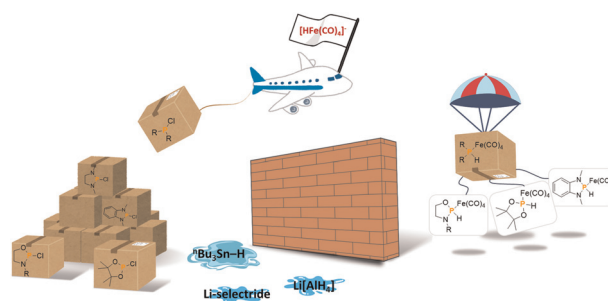


PAPERS

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Facile synthesis of five-membered cyclic RE₂P–H iron(0) complexes

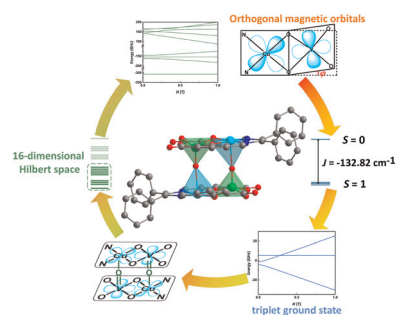
Philipp C. Brehm, Gregor Schnakenburg and Rainer Streubel*



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Orthogonal magnetic orbitals in high spin Cu–VO units: structure, magnetism and EPR study of anisotropic heterometallic complexes

Qing-Song Deng, Yu-Shuang Zhang, Ye-Xin Wang, Yi Xie, Peng-Xiang Fu, Song Gao, Zheng Liu* and Shang-Da Jiang*



RETRACTION

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Retraction: Multifunctional luminescence sensing and white light adjustment of lanthanide metal–organic frameworks constructed from the flexible cyclotriphosphazene-derived hexacarboxylic acid ligand

Meng Wang, Hong Wei Gao, Jin Xiao Li, Feng Ying Bai,* Yong Heng Xing and Zhan Shi

