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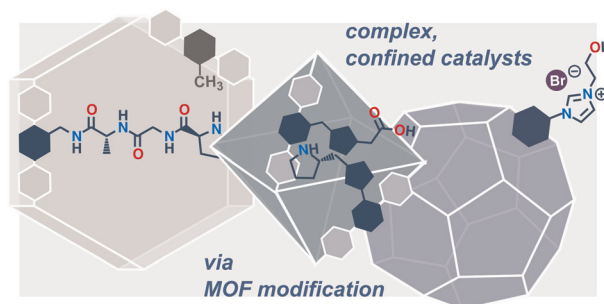
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2024, **53**, 7682.

FRONTIER

7659

The post-synthesis modification (PSM) of MOFs for catalysis

Tendai Gadzikwa* and Pricilla Matseketsa

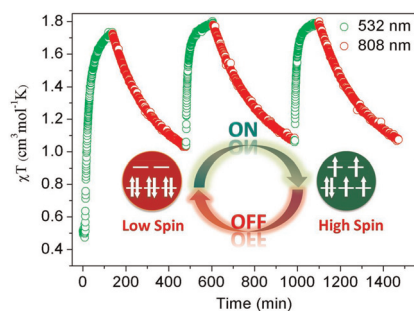


COMMUNICATIONS

7669

Reversible light-induced spin state switching in a dinuclear Fe(III) spin crossover complex

Jun-Li Wang,* Hang-Yue Zhou, Liang Zhao,
Yin-Shan Meng and Tao Liu



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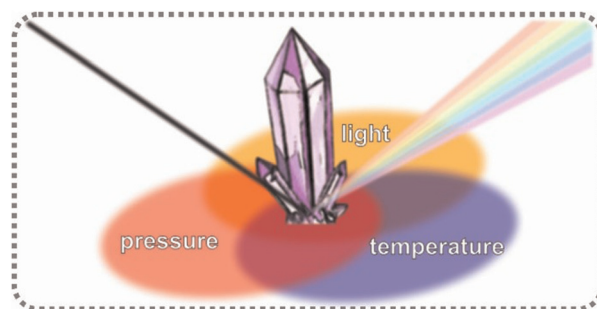


COMMUNICATIONS

7677

Simultaneous manipulation of iron(II) spin crossover and LIESST behaviour using pressure, temperature and light

Gabriela Handzlik,* Kamil F. Dziubek, Michael Hanfland and Dawid Pinkowicz*

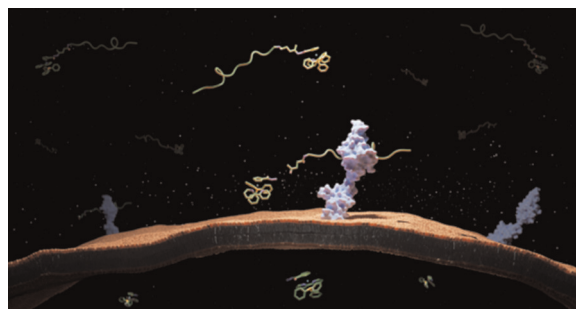


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7682

Dual FGFR-targeting and pH-activatable ruthenium–peptide conjugates for targeted therapy of breast cancer

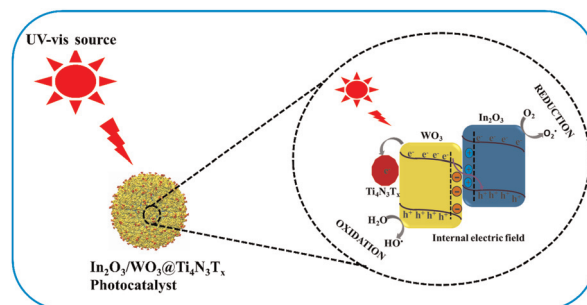
João Franco Machado, Marco Sá, Inês Pires, Miguel Tarita da Silva, Fernanda Marques, Jaime A. S. Coelho, Filipa Mendes, M. Fátima M. Piedade, Miguel Machuqueiro, María Angeles Jiménez, Maria Helena Garcia, João D. G. Correia* and Tânia S. Morais*



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Interfacial engineering of a multijunctional $\text{In}_2\text{O}_3/\text{WO}_3/\text{Ti}_4\text{N}_3\text{T}_x$ S-scheme photocatalyst with enhanced photoelectrochemical properties

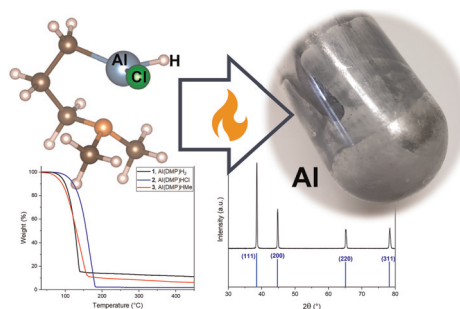
Antony Okinyi Onjwaya, Majahekupheleni Livileye Malati, Jane Catherine Ngila and Langelihle Nsikayezwe Dlamini*



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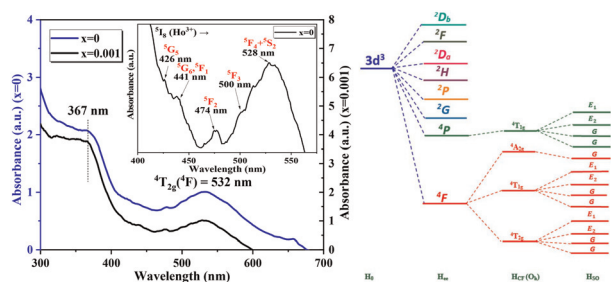
Self-reducing precursors for aluminium metal thin films: evaluation of stable aluminium hydrides for vapor phase aluminium deposition

Niklas Huster, Rita Mullins, Michael Nolan and Anjana Devi*



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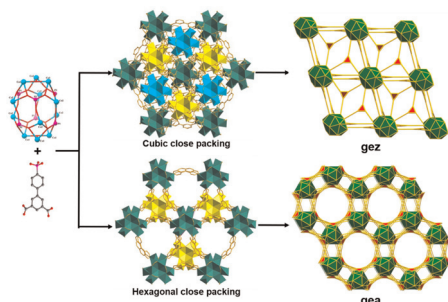
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Comprehensive characterization and optoelectronic significance of Ho³⁺ and Cr³⁺ Co-doped ZnAl₂O₄ spinels

I. Elhamdi,* H. Souissi, S. Kammoun, E. Dhahri, J. Pina, B. F. O. Costa and E. López-Lago

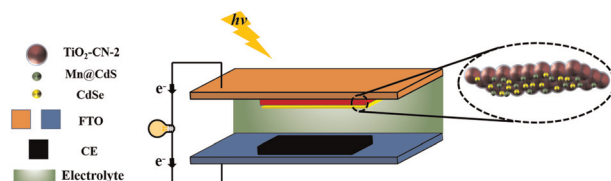
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Discovery of two predictable (3,18)-connected topologies based on Wells–Dawson type cages for the design of porous metal phosphonocarboxylate frameworks

Wenyan Dan, Zhenxia Chen,* Yun Ling, Yu Jia, Yongtai Yang, Xiaofeng Liu and Mingli Deng

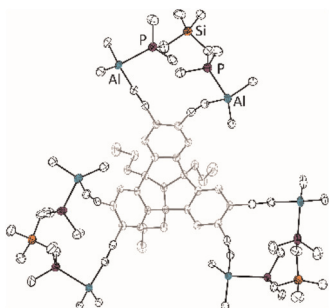
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g-C₃N₄@TiO₂ photoanodes for high-efficiency QDSSCs: improved electron transfer and photochemical stability

Quanhong Li, Tingting Zhang, Donghui Cui and Fengyan Li*

7751



Hexadentate poly-Lewis acids based on the bowl-shaped tribenzotriquinacene

Maurice Franke, Maximilian J. Klingsiek, Julian Buth, Jan-Hendrik Lamm, Beate Neumann, Hans-Georg Stammeler and Norbert W. Mitzel*

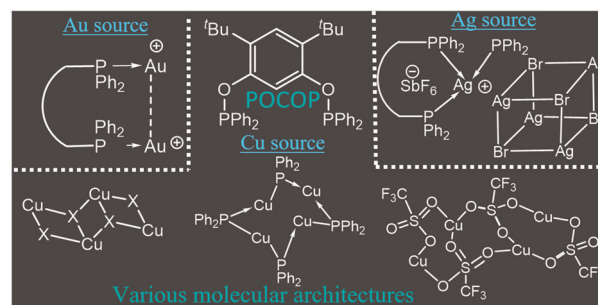


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Diverse structural reactivity patterns of a POCOP ligand with coinage metals

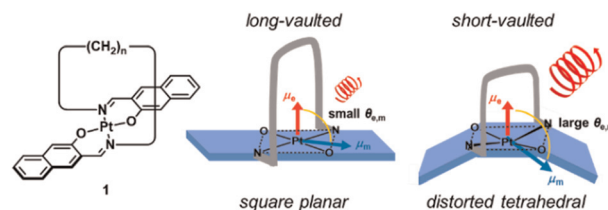
Moushakhi Ghosh, Nasrina Parvin, Prakash Panwaria, Srinu Tothadi, Rangarajan Bakthavatsalam, Arshad Therambram and Shabana Khan*



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Linker-dependent control of the chiroptical properties of polymethylene-vaulted *trans*-bis[(β -iminomethyl)naphthoxy]platinum(II) complexes

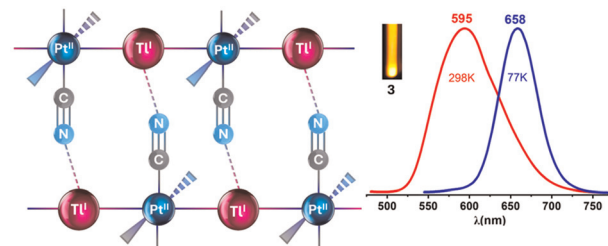
Masahiro Ikeshita,* Shing Cho Ma, Gilles Muller* and Takeshi Naota*



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Ladder-like heteropolynuclear assemblies via cyanido bridges and platinum(II)–thallium(I) bonds: structural and photophysical properties

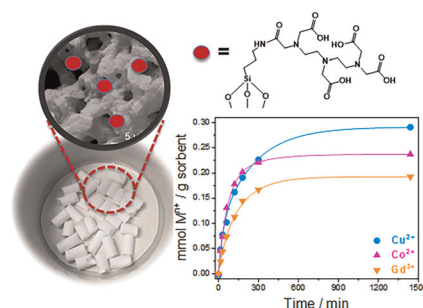
Mina Sadeghian, David Gómez de Segura, Mohsen Golbon Haghighi,* Nasser Safari, Elena Lalinde* and M. Teresa Moreno*



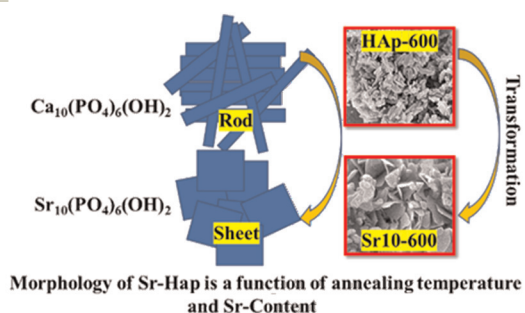
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Silica-based monoliths functionalized with DTPA for the removal of transition and lanthanide ions from aqueous solutions

Gioele Ancora, Stefano Marchesi, Mauro Botta, Leonardo Marchese, Fabio Carniato* and Chiara Bisio*



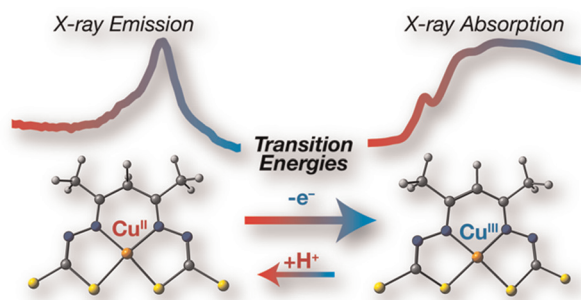
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Probing the influence of strontium doping and annealing temperature on the structure and biocompatibility of hydroxyapatite nanorods

Harsha G. Patil, Archana Rajendran, Nibedita Lenka,
B. Sachin Kumar, Selvakumar Murugesan and
S. Anandhan*

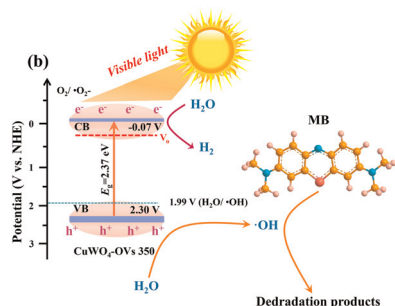
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X-ray absorption and emission spectroscopy of N_2S_2 Cu(II)/(III) complexes

Blaise L. Geoghegan, Jessica K. Bilyj, Paul V. Bernhardt,
Serena DeBeer and George E. Cutsail III*

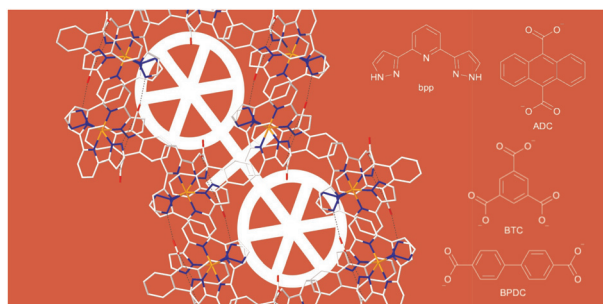
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Oxygen vacancy engineering of ultra-small CuWO₄ nanoparticles for boosting photocatalytic organic pollutant degradation

Dingzhou Xiang, Xin Jin, Guilin Sun, Chenghuan Zhong
and Shan Gao*

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Hydrogen-bonded assemblies of iron(II) spin crossover complexes

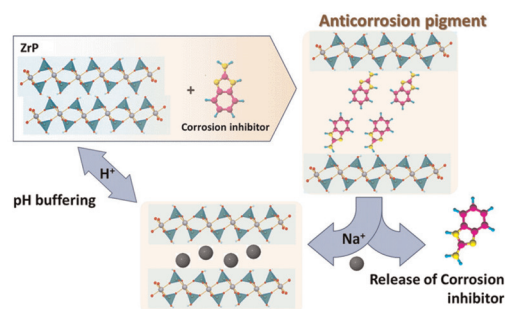
Verónica Jornet-Mollá, Marina I. Rodríguez-Tarrazó,
Miquel J. Dolz-Lozano, Carlos Giménez-Saiz and
Francisco M. Romero*

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 α -Zirconium hydrogenophosphate as a nano-container of 2-aminobenzimidazole for the corrosion protection of zinc in NaCl medium

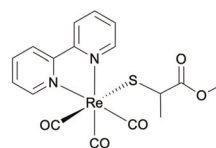
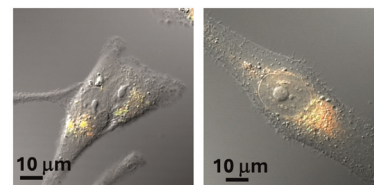
I. Bouali, E. Rocca,* D. Veys-Renaux, B. Rhouta and A. Khalil



7866

Neutral rhenium(i) tricarbonyl complexes with sulfur-donor ligands: anti-proliferative activity and cellular localization

Aviva Levina, Kartika Wardhani, Liam J. Stephens, Melissa V. Werrett, Chiara Caporale, Elena Dallerba, Victoria L. Blair, Massimiliano Massi, Peter A. Lay* and Philip C. Andrews*

25 μ M in
MDA-MB-231 cells

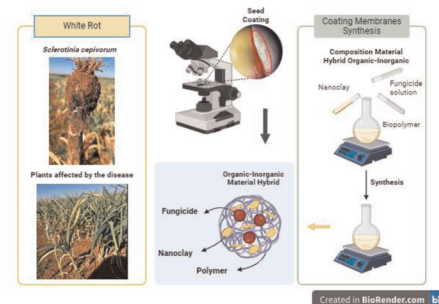
48 h: lysosomes

48 h: mitochondria

7880

Enhanced white rot control in garlic bulbil using organic–inorganic hybrid materials as coating membranes

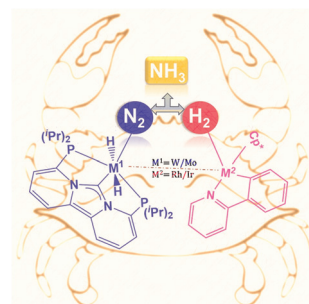
Lorena Alves de Melo Bessa,* Mariane Luísa Ferreira Nazário, Celly Miekio Shinohara Izumi, Vera Regina Leopoldo Constantino, Valdir Lourenço, Jr., Everaldo Antônio Lopes, Eduardo Seiti Gomide Mizubuti and Jairo Tronto



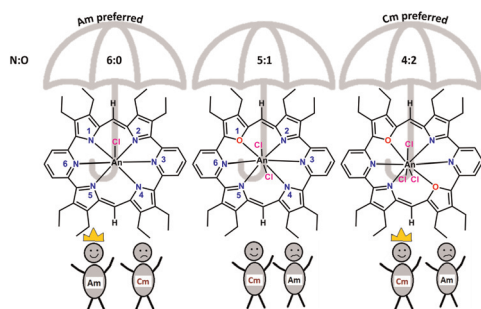
7890

Computational design of cooperatively acting molecular catalyst systems: carbene based tungsten- or molybdenum-catalysts with rhodium- or iridium-complexes for the ionic hydrogenation of N_2 to NH_3

Totan Mondal, Walter Leitner and Markus Hölscher*



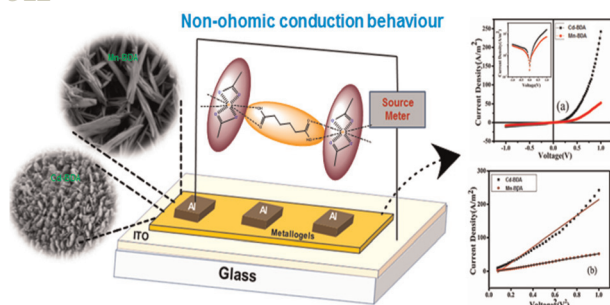
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Computational study of core modified dipyriamethyrin for the competitive complexation of $\text{Am}^{3+}/\text{Cm}^{3+}$ from their trichlorides

Abigail Jennifer G, Georg Schreckenbach and Elumalai Varathan*

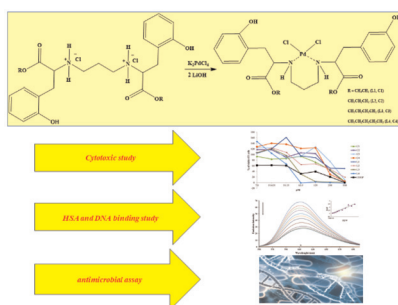
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Comparative outcomes of the voltage-dependent current density, charge transportation and rectification ratio of electronic devices fabricated using mechanically flexible supramolecular networks

Baishakhi Pal, Santanu Majumdar, Indrajit Pal, Gerald Lepcha, Amiya Dey, Partha Pratim Ray* and Biswajit Dey*

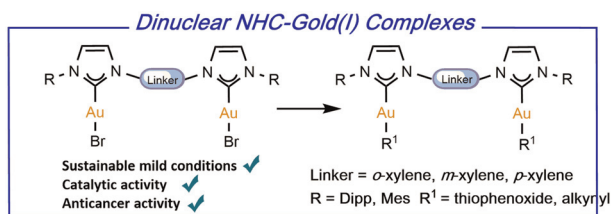
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Newly synthesized palladium(II) complexes with dialkyl esters of *(S,S)*-propylenediamine-*N,N'*-di-(2,2'-di-(4-hydroxy-benzil))acetic acid: *in vitro* investigation of biological activities and HSA/DNA binding

Kemal Ćorović, Danijela Lj. Stojković,* Đorđe S. Petrović, Sandra S. Jovičić Milić, Maja B. Đukić, Ivana D. Radojević, Ivana Raković, Milena Jurišević, Nevena Gajović, Marina Jovanović, Jovana Marinković, Ivan Jovanović and Bojan Stojanović

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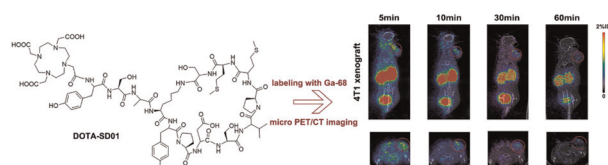
Dinuclear NHC-gold(I)-thiolato and -alkynyl complexes: synthesis, anticancer activity, and catalytic activity in lactonization reactions

Xinyuan Ma, Yuan Zhao, Isabella Caligiuri, Flavio Rizzolio, Nestor Bracho Pozsoni, Kristof Van Hecke, Thomas Scattolin* and Steven P. Nolan*

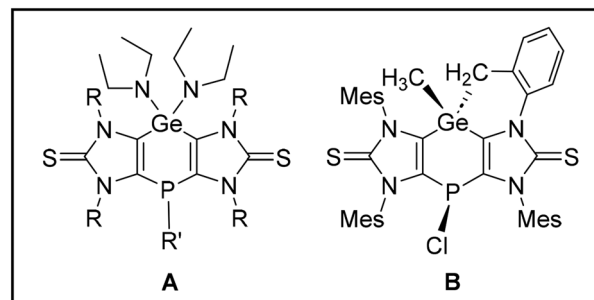


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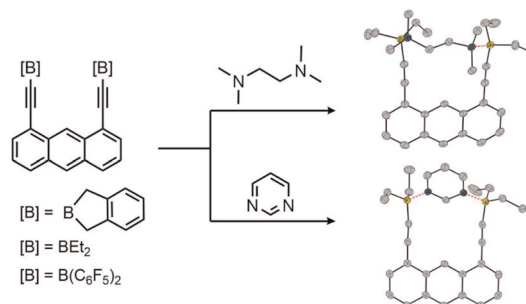
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⁶⁸Ga labeled EphA2-targeted cyclic peptide: a novel positron imaging tracer for triple-negative breast cancer?Bin Qu, Xianjun Li, Yuze Ma, Yanzhi Wang, Yeming Han,*
Guihua Hou* and Feng Gao*

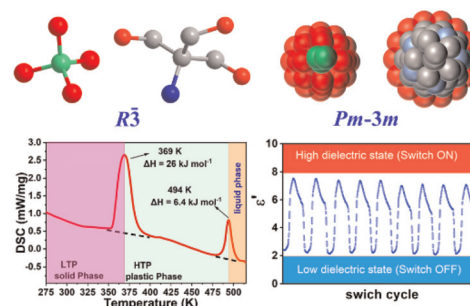
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Synthesis of tricyclic 1,4-dihydro-1,4-phosphagermines – trying to establish molecular fencing of reactive centersMridhul. R. K. Ramachandran, Surendar Karwasara,
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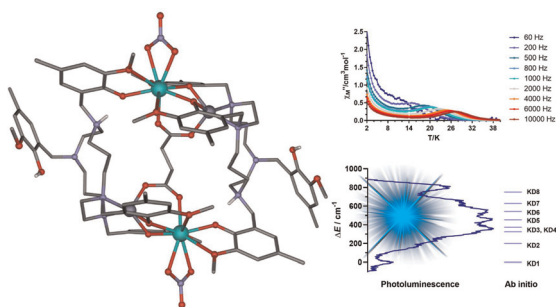
Bidentate boron Lewis acids: synthesis by tin boron exchange reaction and host–guest complex formationJ. Louis Beckmann, Beate Neumann,
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Plastic phase transitions in tris(hydroxymethyl)aminomethane perchlorateFeng Zhou, Yan-Ran Weng, Yu Shi, Yun-Hui Yu, Dan Lu,
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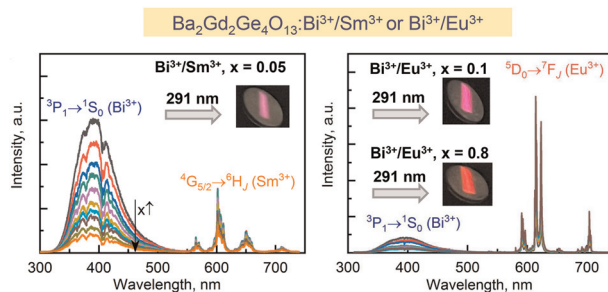
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From field-induced to zero-field SMMs associated with open/closed structures of bis(ZnDy) tetranuclear complexes: a combined magnetic, theoretical and optical study

Andoni Zabala-Lekuona,* Xabier Lopez de Pariza, Ismael F. Díaz-Ortega, Javier Cepeda, Hiroyuki Nojiri, Nina P. Gritsan, Alexey A. Dmitriev, Alberto López-Ortega, Antonio Rodríguez-Diéguez, José M. Seco* and Enrique Colacio*

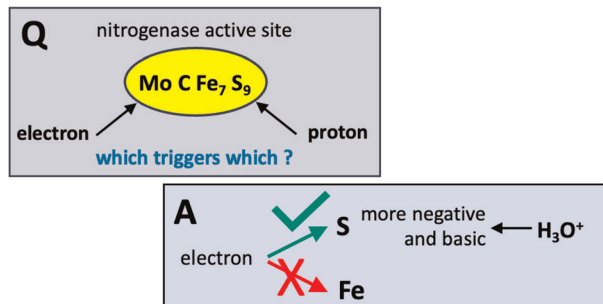
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Color-tunable luminescence and temperature sensing properties of Bi³⁺/Sm³⁺ or Bi³⁺/Eu³⁺ codoped Ba₂Gd₂Ge₄O₁₃ phosphors

Olga A. Lipina,* Anastasia V. Chvanova, Ludmila L. Surat, Yana V. Baklanova, Alexander Yu. Chufarov, Alexander P. Tyutyunnik and Vladimir G. Zubkov

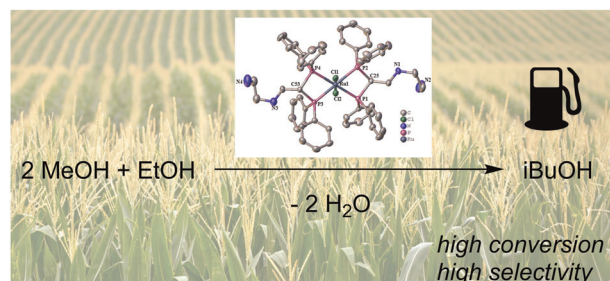
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What triggers the coupling of proton transfer and electron transfer at the active site of nitrogenase?

Ian Dance

8005



Backbone-functionalised ruthenium diphosphine complexes for catalytic upgrading of ethanol and methanol to iso-butanol

Folasade J. Sama, Rachel A. Doyle, Benson M. Kariuki, Natalie E. Pridmore, Hazel A. Sparkes, Richard L. Wingad and Duncan F. Wass*

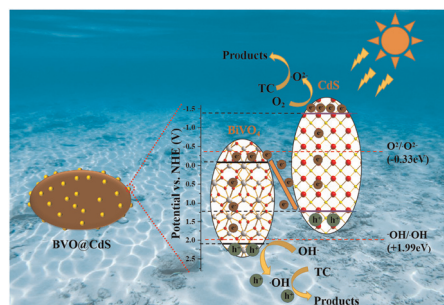


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CdS QDs grown on ellipsoidal BiVO₄ for efficient photocatalytic degradation of tetracycline

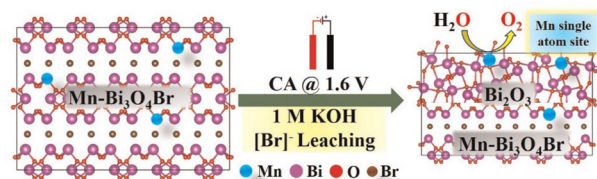
Kai Liu, Mao-Jin Ran, Zhi-Rong Li, Yi-Fu Huang, Ze-Yu Jiang, Wan-Ying Li, Shokir Khojiev, Zhi-Yi Hu, Li-Hua Chen,* Jing Liu, Yu Li* and Bao-Lian Su*



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Evolution of Mn–Bi₂O₃ from the Mn-doped Bi₃O₄Br electro(pre)catalyst during the oxygen evolution reaction

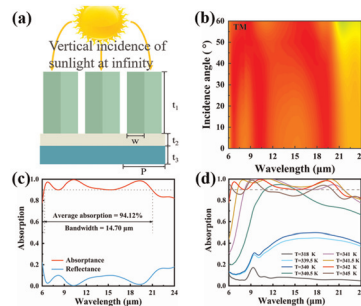
Avinava Kundu, Ashish Kumar Dhillon, Ruchi Singh, Sanmitra Barman,* Soumik Siddhanta* and Biswarup Chakraborty*



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Design and performance analysis of a mid-infrared broadband thermally tunable metamaterial absorption device based on the phase-change effect

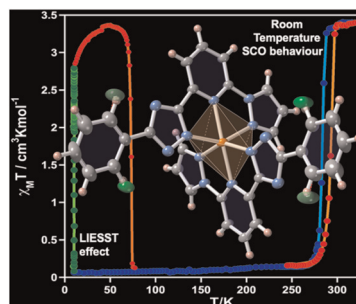
Tianquan Feng,* Chenyu Gong, Shiri Liang, Zao Yi,* Yuxuan Yi and Can Ma*



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Rotational order–disorder and spin crossover behaviour in a neutral iron(II) complex based on asymmetrically substituted large planar ionogenic ligand

Maksym Seredyuk,* Kateryna Znovjyak, Francisco Javier Valverde-Muñoz, M. Carmen Muñoz, Igor O. Fritsky and José Antonio Real*



EXPRESSION OF CONCERN

8050

Expression of concern: Enhanced photocatalytic activity of g-C₃N₄/MnO composites for hydrogen evolution under visible light

Na Mao, Xiaomin Gao, Chong Zhang, Chang Shu, Wenyan Ma, Feng Wang and Jia-Xing Jiang*

CORRECTION

8051

Correction: Simple synthetic access to [Au(IIbiox)Cl] complexes

Ekaterina A. Martynova, Marco Zuccarello, Domenic Kronenberg, Marek Beliš, Agnieszka Czapik, Ziyun Zhang, Kristof Van Hecke, Marcin Kwit, Olivier Baudoin,* Luigi Cavallo* and Steven P. Nolan*

