

## **Bartolome Fernando**

Publicații la conferințe din RM - **1**. Publicații peste hotare - **7**.  
Publicații indexate în SCOPUS - **7**.

### **2024 - 2**

#### **Low-temperature magnetic interactions in the “butterfly”-type {Fe<sub>3</sub>GdO<sub>2</sub>} compound: The persistence of magnetic chains**

*Rubin J.<sup>1</sup>, Arauzo A.<sup>1</sup>, Bartolome Fernando<sup>1</sup>, Prodius Denis<sup>2,3</sup>, Bartolome Juan<sup>1</sup>*

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<sup>2</sup> Institute of Chemistry, MSU,

<sup>3</sup> Ames Laboratory, US Department of Energy and Critical Materials Institute, Ames, IA

#### **Fizika Nizkikh Temperatur**

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#### **Low-temperature magnetic interactions in the “butterfly”-type {Fe<sub>3</sub>GdO<sub>2</sub>} compound: The persistence of magnetic chains**

*Rubin J.<sup>1</sup>, Arauzo A.<sup>1</sup>, Bartolome Fernando<sup>1</sup>, Prodius Denis<sup>2,3</sup>, Bartolome Juan<sup>1</sup>*

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#### **Low Temperature Physics**

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### **2020 - 1**

#### **Magnetic chains of Fe<sub>3</sub> clusters in the {Fe<sub>3</sub>YO<sub>2</sub>} butterfly molecular compound**

*Rubin J.<sup>1</sup>, Badia-Romano Laura<sup>1</sup>, Luis Fernando<sup>1</sup>, Meriakre V.<sup>2</sup>, Prodius Denis<sup>2</sup>, Arauzo A.<sup>1</sup>,  
Bartolome Fernando<sup>1</sup>, Bartolome Juan<sup>1</sup>*

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#### **Dalton Transactions**

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### **2019 - 1**

#### **High relaxation barrier in neodymium furoate-based field-induced SMMs**

*Bartolome Bartolome<sup>1</sup>, Arauzo A.<sup>2</sup>, Luzon Javier<sup>2,3</sup>, Melnyk Silvia<sup>4</sup>, Shova Sergiu<sup>5</sup>, Prodius Denis<sup>6</sup>,  
Nlebedim Ikenna Cajetan<sup>6</sup>, Bartolome Fernando<sup>2</sup>, Bartolome Juan<sup>3</sup>*

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## **Dalton Transactions**

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## **2016 - 1**

### **Intracluster interactions in "butterfly" {Fe<sub>3</sub>LnO<sub>2</sub>} molecules**

*Badia-Romano Laura<sup>1</sup>, Rubin J.<sup>1</sup>, Bartolome Fernando<sup>1</sup>, Bartolome Juan<sup>1</sup>, Luzon Javier<sup>1,2</sup>, Prodius Denis<sup>3</sup>, Turta Constantin<sup>3</sup>, Meriakre V.<sup>3</sup>, Wilhelm Fabrice<sup>4</sup>, Rogalev Andrei L.<sup>4</sup>*

<sup>1</sup> Universidad de Zaragoza,

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<sup>4</sup> European Synchrotron Radiation Facility, Grenoble

### **Journal of Magnetism and Magnetic Materials**

Vol. 400, / 2016 / ISSN 0304-8853

Disponibil online 7 July, 2022. Descarcări-0. Vizualizări-385

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## **2015 - 2**

### **Intracluster interactions in butterfly { Fe<sub>3</sub> LnO<sub>2</sub>} molecules with the non-Kramers ions Tb(III) and Ho(III)**

*Badia-Romano Laura<sup>1</sup>, Rubin J.<sup>1</sup>, Bartolome Fernando<sup>1</sup>, Bartolome Juan<sup>1</sup>, Luzon Javier<sup>1,2</sup>, Prodius Denis<sup>3</sup>, Turta Constantin<sup>3</sup>, Meriakre V.<sup>3</sup>, Wilhelm Fabrice<sup>4</sup>, Rogalev Andrei L.<sup>4</sup>*

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### **Physical Review B - Condensed Matter and Materials Physics**

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### **X-ray study on the structural, magnetic and catalytic properties of FePc films**

*Bartolome Fernando, Bartolome Juan*

Universidad de Zaragoza

### **Physical Methods in Coordination and Supramolecular Chemistry**

Nr. 1(29) / 2011 / ISSN 1857-0011

Disponibil online 17 April, 2020. Descarcări-7. Vizualizări-1177

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## **2013 - 1**

### **Field-induced internal Fe and Ln spin reorientation in butterfly {Fe<sub>3</sub>LnO<sub>2</sub>} (Ln = Dy and Gd) single-molecule magnets**

*Badia-Romano Laura<sup>1</sup>, Bartolome Fernando<sup>1</sup>, Bartolome Juan<sup>1</sup>, Luzon Javier<sup>1,2</sup>, Prodius Denis<sup>3</sup>, Turta Constantin<sup>3</sup>, Meriakre V.<sup>3</sup>, Wilhelm Fabrice<sup>4</sup>, Rogalev Andrei L.<sup>4</sup>*

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<sup>3</sup> Institute of Chemistry of the Academy of Sciences of Moldova,

<sup>4</sup> European Synchrotron Radiation Facility, Grenoble

## **Physical Review B - Condensed Matter and Materials Physics**

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