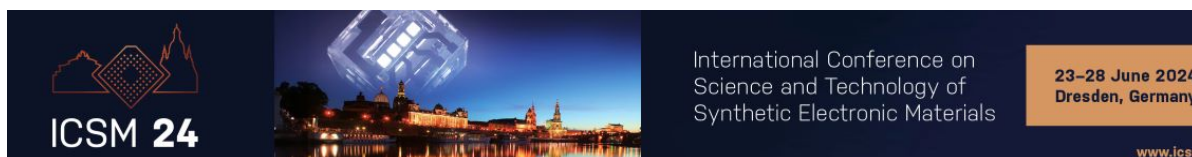


De: ICSM 2024 abstract@eventclass.org
Asunto: ICSM 2024 - Your Submission
Fecha: 31 de enero de 2024, 12:33
Para: samara@uma.es



Dear Dr. Medina Rivero,

You have successfully submitted your abstract for the ICSM 2024. Please find below a copy of your contribution. To view or edit your abstract please enter the submission system via <https://www.eventclass.it/icsm2024/> with your personal account. Changes on your abstract are possible until the submission deadline (31 January, 2024).

Meta Data

ContributionID	#707
Event	International Conference on Science and Technology of Synthetic Electronic Materials 2024
Format	Abstract submission
Language	English
Topic	Nanomaterials
Preferred Presentation Type	Contributed Talk or Poster Presentation
Submission Status	submitted

Your Contribution

Diradicals in the Origin of Chemical Reactions

S. Medina Rivero^{1, 2}, J. Casado Cordon¹

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² *University of Sheffield, Department of Physics and Astronomy, Sheffield, United Kingdom*

π -Conjugated organic diradicals are appealing systems for organic electronic materials due to the possibility of tailoring their chemical and physical properties by controlling the interaction between the radical centers in their ground electronic state. The spin-spin interaction can be tuned by the extension of the π -electron delocalization, e.g. increasing the spin-spin distance or including alternative π -conjugated frameworks, hence providing a direct *chemical* control through organic synthesis over the magnitude and sign of this interaction. Unfortunately, bearing two unpaired electron spins in the ground electronic state is both a blessing and a curse, as it also makes these species highly reactive. Increasing the diradical character usually entails the loss of chemical stability, making the handling and characterization of these materials very challenging.

In this contribution we show how to smartly exploit this high reactivity to obtain new architectures based on a dicyanomethylene substituted diazaacene and a bisindenedione compound. Using electronic and vibrational spectroscopy we demonstrate that diradical species are the cornerstone of the mechanism of the chemical reactions described in both cases.

The following authors are allowed to edit the content of this contribution. Further instructions on how to do so are sent via e-mail to the corresponding author.

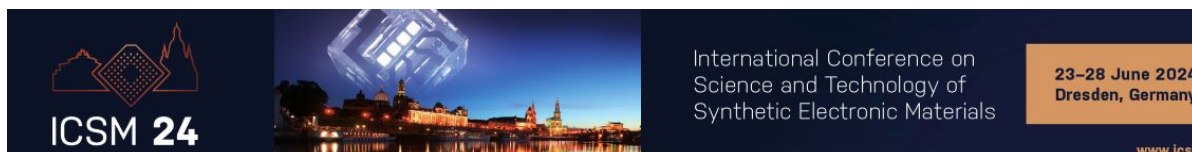
- Samara Medina Rivero

Thanks for your contribution!
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De: ICSM 2024 abstract@eventclass.org
Asunto: Notification Submission I ICSM 2024
Fecha: 29 de febrero de 2024, 13:11
Para: Samara Medina Rivero samara@uma.es
Cc: casado@uma.es



Dear Dr. Medina Rivero,

Thank you very much for your contribution for ICSM 2024, which will take place 23-28 June 2024 in Dresden, Germany.

After reviewing all submitted abstracts, we are delighted to inform you that your contribution **#707 - “Diradicals in the Origin of Chemical Reactions”** has been selected as **Contributed Talk**.

We will provide you with further details regarding the placement of your presentation in due course. **The program will be announced on our website by the end of June.**

Please note that submitting an abstract does not replace registration as a participant in the meeting. The presenting author is required to register separately via our [online registration portal](#). **If you have not yet completed this process, we encourage you to take advantage of the early bird registration, available until 15 March 2024.**

We look forward to your contribution and to welcoming you to Dresden this summer.

Should you have any questions or concerns, please do not hesitate to contact us.

Warm regards,

Your ICSM 2024 Team

Do you need help?

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