



2D magnetic materials for molecular SPINtronics

Results

Project Information

2DSPIN

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[Project website](#)

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[10.3030/746579](https://doi.org/10.3030/746579)

Project closed

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€ 170 121,60

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Spain

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#) .

Publications

[Peer reviewed articles \(5\)](#)



[Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions](#) 

Author(s): Yue Niu, Julia Villalva, Riccardo Frisenda, Gabriel Sanchez-Santolino, Luisa Ruiz-González, Emilio M Pérez, Mar García-Hernández, Enrique Burzurí, Andres Castellanos-Gomez

Published in: 2D Materials, Issue 6/3, 2019, Page(s) 035023, ISSN 2053-1583

Publisher: IOP Publishing Ltd

DOI: 10.1088/2053-1583/ab1a4c

[Physically Unclonable Functions Based on Single-Walled Carbon Nanotubes: A Scalable and Inexpensive Method toward Unique Identifiers](#) 

Author(s): Enrique Burzurí, Daniel Granados, Emilio M. Pérez

Published in: ACS Applied Nano Materials, Issue 2/4, 2019, Page(s) 1796-1801, ISSN 2574-0970

Publisher: ACS Publications

DOI: 10.1021/acsanm.9b00322

[Spin signatures in the electrical response of graphene nanogaps](#) 

Author(s): Víctor M. García-Suárez, Amador García-Fuente, Diego J. Carrascal, Enrique Burzurí, Max Koole, Herre S. J. van der Zant, Maria El Abbassi, Michel Calame, Jaime Ferrer

Published in: Nanoscale, Issue 10/38, 2018, Page(s) 18169-18177, ISSN 2040-3364

Publisher: Royal Society of Chemistry

DOI: 10.1039/C8NR06123H

[A switchable iron-based coordination polymer toward reversible acetonitrile electro-optical readout](#) 

Author(s): Esther Resines-Urien, Enrique Burzurí, Estefania Fernandez-Bartolome, Miguel Ángel García García-Tuñón, Patricia de la Presa, Roberta Poloni, Simon J. Teat, Jose Sanchez Costa

Published in: Chemical Science, Issue 10/27, 2019, Page(s) 6612-6616, ISSN 2041-6520

Publisher: Royal Society of Chemistry

DOI: 10.1039/c9sc02522g

[Simultaneous assembly of van der Waals heterostructures into multiple nanodevices](#) 

Author(s): Enrique Burzurí, Mariano Vera-Hidalgo, Emerson Giovanelli, Julia Villalva, Andres Castellanos-Gomez, Emilio M. Pérez

Published in: Nanoscale, Issue 10/17, 2018, Page(s) 7966-7970, ISSN 2040-3364

Publisher: Royal Society of Chemistry
DOI: 10.1039/c8nr01045e

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European Union, 2025