

DATOS PERSONALES**Nombre:** Javier Sebastián**Apellidos:** Blázquez Gámez**Open Researcher and Contributor ID (ORCID):** 0000-0003-2318-5418**Situación profesional actual:** Catedrático de Universidad **Fecha inicio:** 2018**Institución:** Universidad de Sevilla **Departamento:** Física de la Materia Condensada**País:** España**LISTADO DE APORTACIONES MÁS RELEVANTES****Artículos en revistas científicas (últimos 10 años)**

- 1 Vidal-Crespo, A.; Ipus, J. J.; (3/4) Blázquez, J. S.; Conde, C. F.2023. On the order of magnetic transition in $MnCo_{1-x}Fe_xGe$ ($x = 0.20, 0.06$ and 0.03) mechanical alloys. JOURNAL OF ALLOYS AND COMPOUNDS. Elsevier Science. 930. ISSN 0925-8388, ISSN 1873-4669. SCOPUS (0), WOS (0) <https://doi.org/10.1016/j.jallcom.2022.167381>
- 2 (1/3) Blázquez, J. S. (AC); Borrego, J. M.; Conde, C. F.2023. Kinetic analysis of non-isothermal volume melting processes by differential scanning calorimetry. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. SPRINGER. 148-10, pp.4307-4315. ISSN 1388-6150, ISSN 1588-2926. SCOPUS (0), WOS (0) <https://doi.org/10.1007/s10973-023-12006-6>
- 3 (1/3) Blázquez, J. S. (AC); García-Pinto, N.; Conde, C. F.2023. A simple phenomenological model to describe stability of homogeneous solid solutions in high entropy alloys from metallic bonding potential. Materialia. 28. ISSN 2589-1529. SCOPUS (2), WOS (1) <https://doi.org/10.1016/j.mtla.2023.101744>
- 4 Ariza-Guerrero, Ana M.; (2/2) Blázquez, J. S. 2023. Evolution of number of citations per article in Materials Science: possible causes and effect on the impact factor of journals. SCIENTOMETRICS. SPRINGER. ISSN 0138-9130, ISSN 1588-2861. <https://doi.org/10.1007/s11192-023-04863-7>
- 5 Vidal-Crespo, A.; Manchón-Gordón, A. F.; (3/6) Blázquez, J. S.; Ipus, J. J.; Svec, P.; Conde, C. F.2023. Thermal arrest analysis of the reverse martensitic transformation in a $Ni_{55}Fe_{19}Ga_{26}$ Heusler alloy obtained by melt-spinning. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. SPRINGER. 148-6, pp.2367-2375. ISSN 1388-6150, ISSN 1588-2926. SCOPUS (2), WOS (2) <https://doi.org/10.1007/s10973-022-11889-1>
- 6 Manchón-Gordón, A. F.; Vidal-Crespo, A.; (3/7) Blázquez, J. S.; Kowalczyk, M.; Ipus, J. J.; Kulik, T.; Conde, C. F.2023. Reversibility and thermal dependence of the martensitic transformation in a melt-spun $Ni_{55}Fe_{17}Ga_{26}Co_2$ Heusler alloy. JOURNAL OF ALLOYS AND COMPOUNDS. Elsevier Science. 946. ISSN 0925-8388, ISSN 1873-4669. SCOPUS (0), WOS (0) <https://doi.org/10.1016/j.jallcom.2023.169484>
- 7 (1/5) Blázquez, J. S. (AC); Caballero-Flores, R.; Manchón-Gordón, A. F.; Borrego, J. M.; Conde, C. F.2023. A practical analysis for decelerated growth processes to get physically meaningful kinetic parameters from classical nucleation and growth theory despite of overgrowth. JOURNAL OF NON-CRYSTALLINE SOLIDS. ELSEVIER SCIENCE BV. 610. ISSN 0022-3093, ISSN 1873-4812. SCOPUS (0), WOS (0) <https://doi.org/10.1016/j.jnoncrysol.2023.122305>
- 8 Manchón-Gordón, Alejandro F.; Sánchez-Jiménez, Pedro E.; (3/5) Blázquez, Javier S.; Perejón, Antonio; Pérez-Maqueda, Luis A.2023. Structural, vibrational, and magnetic characterization of orthoferrite $LaFeO_3$. MATERIALS. MDPI. 16-3. ISSN 1996-1944. SCOPUS (2), WOS (2) <https://doi.org/10.3390/ma16031019>
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- 10 Jalali, SIA; Manchon-Gordon, AF; Chacartegui, R; Sanchez-Jimenez, PE; (5/8) Blázquez, JS; Perejon, A; Raj, R; Perez-Maqueda, LA. 2023. Touch-free reactive flash sintering of dense strontium hexaferrite permanent magnet. JOURNAL OF THE AMERICAN CERAMIC SOCIETY. WILEY. 106-12, pp.7202-7208. ISSN 0002-7820, ISSN 1551-2916. SCOPUS (0), WOS (0) <https://doi.org/10.1111/jace.19389>
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Proyectos de investigación (últimos 10 años)

- 1 Proyecto. P18-RT-746, Transiciones de fase termo-magnéticas para un uso eficiente de la energía y de los recursos. Junta de Andalucía (Consejería de Economía y Conocimiento). Franco García, Victorino. 01/01/2020-31/03/2023. 119.800 €.
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- 3 Proyecto. MAT2016-77265-R, Modelado y Control de la Histéresis en Materiales Magnetocalóricos para Refrigeración y Conversión de Energía. Ministerio de Economía y Competitividad. Franco García, Victorino. Blázquez Gámez, Javier S. 30/12/2016-31/12/2020. 145.200 €.

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Contratos con empresas (últimos 10 años)

1 Contrato. Characterization of Fe-based alloys ThyssenKrupp Steel Europe AG. Franco García, Victorino. 30/06/2017-31/12/2018. 30.000 €.

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3 Contrato. MAGNETOCALORIC REESEARCH WITH VIBRATING SAMPLE MAGNETOMETERS: Algorithms for data analysis and development of new measuring protocols. LAKE SHORE CRYOTRONICS INC. Franco García, Victorino. 20/01/2014-18/01/2017. 42.000 €.

4 Contrato. Characterization of the physical properties of materials ThyssenKrupp Steel Europe AG. Franco García, Victorino. 20/07/2013-09/04/2015. 1.200 €.

5 Contrato. Characterization of magnetocaloric materials ERASTEEL. Franco García,