

Fecha del CVA	12/07/2022
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Parte A. DATOS PERSONALES

Nombre	JOAQUIN BIENVENIDO		
Apellidos	ORDIERES MERE		
Sexo		Fecha de Nacimiento	
DNI/NIE/Pasaporte			
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Open Researcher and Contributor ID (ORCID)	0000-0002-9677-6764		

A.1. Situación profesional actual

Puesto	Catedrático Universidad		
Fecha inicio	2008		
Organismo / Institución	Universidad Politécnica de Madrid		
Departamento / Centro	/ E.T.S. DE INGENIEROS INDUSTRIALES		
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Palabras clave			

Parte B. RESUMEN DEL CV

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con “peer review” y conferencias

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

- Artículo científico.** Passegger, VM; Bello-Garcia, A; ORDIERES MERE, JOAQUIN BIENVENIDO...[et al.]. (3/20). 2022. Metallicities in M dwarfs: Investigating different determination techniques *Astronomy & Astrophysics*. EDP Sciences. 658. ISSN 0004-6361. <https://doi.org/10.1051/0004-6361/202141920>
- Artículo científico.** Sánchez-Herguedas A; Mena-Nieto A; Rodrigo-Muñoz F...[et al.]. (5/5). 2022. Optimisation of Maintenance Policies Based on Right-Censored Failure Data Using a Semi-Markovian Approach *Sensors*. Multidisciplinary Digital Publishing Institute. 22(4). ISSN 1424-8220. <https://doi.org/10.3390/s22041432>
- Artículo científico.** Liu, Y; Zeng, QG; Li, BB...[et al.]. (5/5). 2022. Anticipating financial distress of high-tech startups in the European Union: A machine learning approach for imbalanced samples *Journal Of Forecasting*. Wiley. ISSN 0277-6693. <https://doi.org/10.1002/for.2852>
- Artículo científico.** Villalba-Diez, J; Gonzalez-Marcos, A; ORDIERES MERE, JOAQUIN BIENVENIDO. (3/). 2022. Improvement of quantum approximate optimization algorithm for max-cut problems *Sensors*. Multidisciplinary Digital Publishing Institute. 22(1). ISSN 1424-8220. <https://doi.org/10.3390/s22010244>
- Artículo científico.** Martín-Ávila G; Vieira-Campos A; Labrador-Marcos S...[et al.]. (8/9). 2022. Patients' self-assessment of essential tremor severity by a validated scale: A useful tool in telemedicine? *Parkinsonism & Related Disorders*. Elsevier. 96, pp.22-28. ISSN 1353-8020. <https://doi.org/10.1016/j.parkreldis.2022.01.021>

- 6 **Artículo científico.** Hetemi, E; ORDIERES MERE, JOAQUIN BIENVENIDO; Nuur, C. (2/3). 2022. Inter-organisational collaboration and knowledge-work: a contingency framework and evidence from a megaproject in Spain Knowledge Management Research & Practice. Taylor & Francis LTD. ISSN 1477-8238. <https://doi.org/10.1080/14778238.2022.2027827>
- 7 **Artículo científico.** Villalba-Diez, J; ORDIERES MERE, JOAQUIN BIENVENIDO. (2/2). 2021. Human-Machine Integration in Processes within Industry 4.0 Management Sensors. Multidisciplinary Digital Publishing Institute. 21(17). ISSN 1424-8220. <https://doi.org/10.3390/s21175928>
- 8 **Artículo científico.** Martín MG; Álvarez A.P.; Ordieres-Meré J...[et al.]. (3/5). 2021. New business models from prescriptive maintenance strategies aligned with sustainable development goals Sustainability. Multidisciplinary Digital Publishing Institute. 13(1), pp.1-26. ISSN 2071-1050. <https://doi.org/10.3390/su13010216>
- 9 **Artículo científico.** Pacios Álvarez A.; Ordieres-Meré J.; Loreiro ÁP...[et al.]. (2/4). 2021. Opportunities in airport pavement management: Integration of BIM, the IoT and DLT Journal Of Air Transport Management. Pergamon. 90(101941). ISSN 0969-6997. SCOPUS (1) <https://doi.org/10.1016/j.jairtraman.2020.101941>
- 10 **Artículo científico.** Antomarioni, Sara; Bevilacqua, Maurizio; Ciarapica, Filippo Emanuele...[et al.]. (5/5). 2021. Lean projects' evaluation: the perceived level of success and barriers Total Quality Management & Business Excellence. Taylor & Francis. 32(13-14), pp.1441-1465. ISSN 1478-3363. SCOPUS (4) <https://doi.org/10.1080/14783363.2020.1731301>
- 11 **Artículo científico.** Hetemi, E; Gemunden, Hans Georg; Mere, Joaquin Ordieres. (3/3). 2020. Embeddedness and Actors' Behaviors in Large-Scale Project Life Cycle: Lessons Learned from a High-Speed Rail Project in Spain Journal Of Management In Engineering. ASCE-AMER SOC CIVIL ENGINEERS. 36(6). ISSN 0742-597X. WOS (7) [https://doi.org/10.1061/\(ASCE\)ME.1943-5479.0000849](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000849)
- 12 **Artículo científico.** Passegger, V M; Bello-Garcia, A; Ordieres-Mere, J...[et al.]. (3/29). 2020. The CARMENES search for exoplanets around M dwarfs: A deep learning approach to determine fundamental parameters of target stars Astronomy & Astrophysics. EDP Sciences. 642(A22). ISSN 0004-6361. SCOPUS (12) <https://doi.org/10.1051/0004-6361/202038787>
- 13 **Artículo científico.** Ramírez-Aragón C; Alba-Elías F; González-Marcos A...[et al.]. (4/4). 2020. Improving the feeder shoe design of an eccentric tablet press machine Powder Technology. Elsevier. 372, pp.542-562. ISSN 0032-5910. <https://doi.org/10.1016/j.powtec.2020.05.104>
- 14 **Artículo científico.** Hetemi, E; Ordieres-Mere, Joaquin; NUUR, Cali. (2/3). 2020. An Institutional Approach to Digitalization in Sustainability-Oriented Infrastructure Projects: The Limits of the Building Information Model Sustainability. Multidisciplinary Digital Publishing Institute. 12(9). ISSN 2071-1050. <https://doi.org/10.3390/su12093893>
- 15 **Artículo científico.** Sun S; Zheng X; Villalba-Diez J...[et al.]. (4/4). 2020. Data Handling in Industry 4.0: Interoperability Based on Distributed Ledger Technology Sensors. Multidisciplinary Digital Publishing Institute. 20(11). ISSN 1424-8220. <https://doi.org/10.3390/s20113046>
- 16 **Artículo científico.** Schmidt D; Diez JV; Ordieres-Meré J...[et al.]. (3/6). 2020. Industry 4.0 lean shopfloor management characterization using EEG sensors and deep learning Sensors. Multidisciplinary Digital Publishing Institute. 20(10). ISSN 1424-8220. SCOPUS (12) <https://doi.org/10.3390/s20102860>
- 17 **Artículo científico.** Liu Y; Fei H; Zeng Q...[et al.]. (7/7). 2020. Electronic word-of-mouth effects on studio performance leveraging attention-based model Neural Computing & Applications. Springer London Ltd. 32(23), pp.17601-17622. ISSN 0941-0643. SCOPUS (1) <https://doi.org/10.1007/s00521-020-04937-0>
- 18 **Artículo científico.** Sun S; Zheng X; Gong B...[et al.]. (5/5). 2020. Healthy Operator 4.0: A Human Cyber-Physical System Architecture for Smart Workplaces Sensors. Multidisciplinary Digital Publishing Institute. 20(7). ISSN 1424-8220. SCOPUS (23) <https://doi.org/10.3390/s20072011>

- 19 Artículo científico.** Ordieres-Meré J.; Remón TP; Rubio J (AC). (1/3). 2020. Digitalization: An opportunity for contributing to sustainability from knowledge creation Sustainability. Multidisciplinary Digital Publishing Institute. 12(4), pp.1-21. ISSN 2071-1050. <https://doi.org/10.3390/su12041460>
- 20 Artículo científico.** Hetemi, E; Jerbrant, A; ORDIERES MERE, JOAQUIN BIENVENIDO. (3/3). 2020. Exploring the emergence of lock-in in large-scale projects: A process view International Journal Of Project Management. ELSEVIER SCI LTD. 38(1), pp.47-63. ISSN 0263-7863. SCOPUS (16) <https://doi.org/10.1016/j.ijproman.2019.10.001>
- 21 Artículo científico.** Arano, Keith April G.; Sun, Shengjing; Ordieres-Mere, Joaquin...[et al.]. (3/4). 2019. The Use of the Internet of Things for Estimating Personal Pollution Exposure International Journal Of Environmental Research And Public Health. Molecular Diversity Preservation International. 16(17). ISSN 1660-4601. <https://doi.org/10.3390/ijerph16173130>
- 22 Artículo científico.** Sun S; Zheng X; Villalba-Diez J...[et al.]. (4/4). 2019. Indoor Air-Quality Data-Monitoring System: Long-Term Monitoring Benefits Sensors. Multidisciplinary Digital Publishing Institute. 19(19). ISSN 1424-8220. SCOPUS (29) <https://doi.org/10.3390/s19194157>
- 23 Artículo científico.** Villalba-Diez J; Schmidt D; Gevers R...[et al.]. (4/6). 2019. Deep Learning for Industrial Computer Vision Quality Control in the Printing Industry 4.0 Sensors. Multidisciplinary Digital Publishing Institute. 19(18). ISSN 1424-8220. SCOPUS (52) <https://doi.org/10.3390/s19183987>
- 24 Artículo científico.** Liu Y; Zeng Q; Ordieres Meré J....[et al.]. (3/4). 2019. Anticipating Stock Market of the Renowned Companies: A Knowledge Graph Approach Complexity. Hindawi. 2019(9202457). ISSN 1076-2787. SCOPUS (9) <https://doi.org/10.1155/2019/9202457>
- 25 Artículo científico.** Angel Anton, Miguel; Ordieres-Mere, Joaquin; Saralegui, Unai...[et al.]. (2/4). 2019. Non-Invasive Ambient Intelligence in Real Life: Dealing with Noisy Patterns to Help Older People Sensors. Multidisciplinary Digital Publishing Institute. 19(14). ISSN 1424-8220. SCOPUS (10) <https://doi.org/10.3390/s19143113>
- 26 Artículo científico.** Zheng X; Sun S; Mukkamala RR...[et al.]. (5/5). 2019. Accelerating Health Data Sharing: A Solution Based on the Internet of Things and Distributed Ledger Technologies Journal Of Medical Internet Research. Jmir Publications, Inc. 21(6), pp.e13583. ISSN 1438-8871. <https://doi.org/10.2196/13583>
- 27 Artículo científico.** FRANCO RIQUELME, JOSÉ NICANOR; Bello-Garcia, A; ORDIERES MERE, JOAQUIN BIENVENIDO. (3/3). 2019. Indicator Proposal for Measuring Regional Political Support for the Electoral Process on Twitter: The Case of Spain's 2015 and 2016 General Elections Ieee Access. IEEE. 7, pp.62545-62560. ISSN 2169-3536. SCOPUS (5) <https://doi.org/10.1109/ACCESS.2019.2917398>
- 28 Artículo científico.** Boenzi, Francesco; Ordieres-Mere, Joaquin; Iavagnilio, Raffaello. (2/3). 2019. Life Cycle Assessment Comparison of Two Refractory Brick Product Systems for Ladle Lining in Secondary Steelmaking Sustainability. Multidisciplinary Digital Publishing Institute. 11(5). ISSN 2071-1050. SCOPUS (4) <https://doi.org/10.3390/su11051295>
- 29 Artículo científico.** ZHENG, XIAOCHEN; Vieira, Alba; Labrador Marcos, Sergio...[et al.]. (5/5). 2019. Activity-aware essential tremor evaluation using deep learning method based on acceleration data Parkinsonism & Related Disorders. Elsevier. 58, pp.17-22. ISSN 1353-8020. <https://doi.org/10.1016/j.parkreldis.2018.08.001>
- 30 Artículo científico.** Gong, B; Zheng, XC; Guo, Q...[et al.]. (4/4). 2019. Discovering the patterns of energy consumption, GDP, and CO2 emissions in China using the cluster method Energy. Pergamon. 166, pp.1149-1167. ISSN 0360-5442. SCOPUS (17) <https://doi.org/10.1016/j.energy.2018.10.143>
- 31 Artículo científico.** De Sanctis I; Meré J; Ciarapica F. (/3). 2018. Resilience for lean organisational network International Journal Of Production Research. TAYLOR & FRANCIS LTD. 56(21), pp.6917-6936. ISSN 0020-7543. SCOPUS (19) <https://doi.org/10.1080/00207543.2018.1457810>

- 32 Artículo científico.** Ramirez-Aragon, Cristina; Ordieres-Mere, Joaquin; Alba-Elias, Fernando...[et al.]. (2/4). 2018. Comparison of Cohesive Models in EDEM and LIGGGHTS for Simulating Powder Compaction Materials. Multidisciplinary Digital Publishing Institute. 11(11). (20) <https://doi.org/10.3390/ma11112341>
- 33 Artículo científico.** ZHENG, XIAOCHEN; Wang, Meiqing; Ordieres-Mere, Joaquin. (3/3). 2018. Comparison of Data Preprocessing Approaches for Applying Deep Learning to Human Activity Recognition in the Context of Industry 4.0 Sensors. Multidisciplinary Digital Publishing Institute. 18(7). ISSN 1424-8220. SCOPUS (50) <https://doi.org/10.3390/s18072146>
- 34 Artículo científico.** Sarro, LM; ORDIERES MERE, JOAQUIN BIENVENIDO; Bello-Garcia, A...[et al.]. (2/5). 2018. Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective Monthly Notices Of The Royal Astronomical Society. Oxford University Press. 476(1), pp.1120-1139. ISSN 0035-8711. (13) <https://doi.org/10.1093/mnras/sty165>
- 35 Artículo científico.** Ramirez-Aragon, Cristina; Alba-Elias, Fernando; Gonzalez-Marcos, Ana...[et al.]. (4/4). 2018. Segregation in the tank of a rotary tablet press machine using experimental and discrete element methods Powder Technology. Elsevier. 328, pp.452-469. ISSN 0032-5910. (14) <https://doi.org/10.1016/j.powtec.2018.01.054>
- 36 Artículo científico.** Gonzalez-Marcos, Ana; Ordieres-Mere, Joaquin; Alba-Elias, Fernando. (/3). 2018. Data Mining to Identify Project Management Strategies in Learning Environments Encyclopedia Of Information Science And Technology, 4th Edition. pp.1934-1946. <https://doi.org/10.4018/978-1-5225-2255-3.ch168>
- 37 Artículo científico.** DeSanctis, I; ORDIERES MERE, JOAQUIN BIENVENIDO; Bevilacqua, M...[et al.]. (2/4). 2018. The moderating effects of corporate and national factors on lean projects barriers: a cross-national study Production Planning & Control. TAYLOR & FRANCIS LTD. 29(12), pp.972-991. ISSN 0953-7287. SCOPUS (17) <https://doi.org/10.1080/09537287.2018.1494345>

C.3. Proyectos o líneas de investigación

- 1 Proyecto.** 101034037, Use of robust deep learning methods for the automatic quality assessment of steel products. Comisión Europea. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/07/2021-31/12/2024. 127.902 €. Investigador principal.
- 2 Proyecto.** 847202, Automatic surveillance of hot rolling area against intentional attacks and faults. Comisión Europea. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/06/2019-31/05/2023. 128.719,44 €. Investigador principal.
- 3 Proyecto.** 847203, Refinement of production scheduling through dynamic product routing, considering real-time plant monitoring and optimal reaction strategies. Comisión Europea. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/06/2019-31/05/2023. 156.600,6 €. Investigador principal.
- 4 Proyecto.** 899208, Dissemination and valorisation of RFCS-results in the field of ¿Advanced Automation and Control Solutions in Downstream Steel Processes¿ and development of a strategic vision for future research. Comisión Europea. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/07/2020-31/12/2022. 71.123,6 €. Investigador principal.
- 5 Proyecto.** RTI2018-094614-B-I00, Analítica de datos con Internet Industrial de las cosas y tecnología blockchain para establecer estrategias de mantenimiento inteligente. Ministerio de Ciencia e Innovación. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/01/2019-31/12/2022. 84.700 €. Investigador principal.
- 6 Proyecto.** 793505, 4.0 Lean System integrating workers and processes. Comisión Europea. ORDIERES MERE, JOAQUIN BIENVENIDO. 01/09/2018-31/08/2022. 147.633 €. Investigador principal.