Date of the CVA	10/12/2020

Section A. PERSONAL DATA

Name and Surname	Jesus Manuel Sobrado Vallecillo		
DNI/NIE/Passport		Age	
Researcher's identification number	Researcher ID	K-6759-2013	
	Scopus Author ID	14047555500	
	ORCID	0000-0002-7359-0262	

* Obligatorio

A.1. Current professional situation

Institution	Centro de Astrobiología		
Dpt. / Centre			
Address			
Phone		Email	
Professional category	Cientifico Superior de la Defensa	Start date	2012
Keywords			

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
Programa Oficial de Doctorado en Ciencias Físicas	Universidad Autónoma de Madrid	2014
Diploma de estudios avanzados	Universidad Nacional de Educacion a Distancia (UNED). Ingeniería Mecánica)	2010
Licenciado en Ciencias Físicas	Universidad Autónoma de Madrid	1999

A.3. General quality indicators of scientific production

Section B. SUMMARY OF THE CURRICULUM

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores

1 **Scientific paper**. Martínez, L.; Santoro, G.; Merino, P.; et al; Martín-Gago, J.A.2020. Prevalence of non-aromatic carbonaceous molecules in the inner regions of circumstellar envelopes Nature Astronomy. 4-1, pp.97-105.

2 **Scientific paper**. Santoro, G.; Martínez, L.; Lauwaet, K.; et al; Martín-Gago, J.A.2020. The Chemistry of Cosmic Dust Analogs from C, C<inf>2</inf>, and C<inf>2</inf>H<inf>2</inf> in C-rich Circumstellar Envelopes Astrophysical Journal. 895-2.

3 **Scientific paper**. Cernicharo, J.; Gallego, J.D.; López-Pérez, J.A.; et al; Martín-Gago, J.A.2019. Broad-band high-resolution rotational spectroscopy for laboratory astrophysics Astronomy and Astrophysics. 626.

4 **Scientific paper**. Cruz, C.M.; Márquez, I.R.; Mariz, I.F.A.; et al; Campaña, A.G.2018. Enantiopure distorted ribbon-shaped nanographene combining two-photon absorption-based upconversion and circularly polarized luminescence Chemical Science. 9-16, pp.3917-3924.

5 **Scientific paper**. Martínez, L.; Lauwaet, K.; Santoro, G.; et al; Martín-Gago, J.A.2018. Precisely controlled fabrication, manipulation and in-situ analysis of Cu based nanoparticles Scientific Reports. 8-1.

6 **Scientific paper**. Tanarro, I.; Alemán, B.; De Vicente, P.; et al; Cernicharo, J.2018. Using radio astronomical receivers for molecular spectroscopic characterization in astrochemical laboratory simulations: A proof of concept Astronomy and Astrophysics. 609.

7 **Scientific paper**. Sobrado, J.M.; Martín-Gago, J.A.2016. Controlled injection of a liquid into ultra-high vacuum: Submonolayers of adenosine triphosphate deposited on Cu(110) Journal of Applied Physics. 120-14.

8 **Scientific paper**. Sobrado, J.M.; Martín-Soler, J.; Martín-Gago, J.A.2015. Mimicking Martian dust: An in-vacuum dust deposition system for testing the ultraviolet sensors on the Curiosity rover Review of Scientific Instruments. 86-10.

9 **Scientific paper**. Sobrado, J.M.; Martín-Soler, J.; Martín-Gago, J.A.2014. Mimicking Mars: A vacuum simulation chamber for testing environmental instrumentation for Mars exploration Review of Scientific Instruments. 85-3.

10 **Scientific paper**. Mateo-Martí, E.; Rogero, C.; Gonzalez, C.; Sobrado, J.M.; De Andrés, P.L.; Martin-Gago, J.A.2010. Interplay between fast diffusion and molecular interaction in the formation of self-assembled nanostructures of S-cysteine on Au(111) Langmuir. 26-6, pp.4113-4118.

11 **Scientific paper**. Muñoz Caro, G.M.; Jiménez-Escobar, A.; Martín-Gago, J.Á.; Rogero, C.; Atienza, C.; Puertas, S.; Sobrado, J.M.; Torres-Redondo, J.2010. New results on thermal and photodesorption of CO ice using the novel interStellar Astrochemistry Chamber (ISAC) Astronomy and Astrophysics. 522-8.

12 **Scientific paper**. Rogero, C.; Chaffey, B.T.; Mateo-Martí, E.; et al; Martín-Gago, J.A.2008. Silicon surface nanostructuring for covalent immobilization of biomolecules Journal of Physical Chemistry C. 112-25, pp.9308-9314.

13 **Scientific paper**. Mateo-Martí, E.; Prieto-Ballesteros, O.; Sobrado, J.M.; Gómez-Elvira, J.; Martín-Gago, J.A.2006. A chamber for studying planetary environments and its applications to astrobiology Measurement Science and Technology. 17-8, pp.2274-2280.

14 **Scientific book or monograph**. 2016. Marte en la Tierra ISBN 978-84-938932-6-2.

15 **Scientific book or monograph**. Muñoz Caro, G.M.; Martín-Gago, J.Á.; Rogero, A.; Jiménez-Escobar, A.; Sobrado, J.M.; Atienza, C.; Puertas, S.2010. The interstellar astrochemistry chamber (ISAC) Advances in Geosciences: Volume 19: Planetary Science (PS). pp.541-556.

C.2. Participation in R&D and Innovation projects

C.3. Participation in R&D and Innovation contracts

C.4. Patents