CV Date	11/05/2023

Part A. PERSONAL INFORMATION

First Name	Teresa		
Family Name	Cebriano Ramírez		
Sex	Not Specified	Date of Birth	
ID number Social Security, Passport			
URL Web	https://www.researchgate.net/profile/Teresa-Cebriano		
Email Address			
Open Researcher and Contributor ID (ORCID)	0000-0003-4777-9851		

A.1. Current position

Job Title	Scientist		
Starting date	2023		
Institution	CENTRO DE LÁSERES PULSADOS		
Department / Centre	Scientific area / Centro de Láseres Pulsados		
Country		Phone Number	
Keywords			

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2021 - 2023	POSTDOCTORAL RESEARCHER / CONSORCIO DE LASERES PULSADOS ULTRACORTOS ULTRAINTENSOS
2016 - 2016	Postdoctoral Researcher / Consejo Superior de Investigaciones Científicas / Spain
2010 - 2015	Researcher / University Complutense of Madrid / Spain
2009 - 2010	Student / University Complutense of Madrid

A.3. Education

Degree/Master/PhD	University / Country	Year
Doctorate in Physics Science	Universidad Complutense de Madrid	2015
Master degree in Applied Physics	Universidad Complutense de Madrid	2011
Physical Science graduate	Universidad de Salamanca	2008

Part B. CV SUMMARY

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

1 **Scientific paper**. Luca; Alessandro; Jon Imanol; et al; Giancarlo. 2022. Liouville Theory for Fully Analytic Studies of Transverse Beam Dynamics in Laser-Plasma Ion Accelerators. Symmetry. 14-9.

2 **Scientific paper**. Javier Piqueras; Teresa Cebriano; Paloma Fernández; Anne-Flore Mallet; Bianchi Méndez; Víctor Sánchez; Ana Urbieta. 2019. Microscopy characterization of rapid growth doped and undoped oxide nanostructures. Microscopy characterization of rapid growth doped and undoped oxide nanostructures Microscoy &A nalysis. EMEA. 43.

3 **Scientific paper**. A. Mallet; T. Cebriano; B. Méndez; J.Piqueras. (2/4). 2018. Rapid synthesis of undoped and Er doped MoO3 layered plates by Resistive Heating of Molybdenum: Structural and Optical properties.Phys. Status Solidi A. Willey. 1800471, pp.1-6.

4 **Scientific paper**. Teresa Cebriano; Irene García-Díaz; Ana López Fernández; Paloma Fernández; Félix A. López. (1/5). 2017. Synthesis and characterization of ZnO micro- and nanostructures grown from recovered ZnO from spent alkaline batteries. Journal of Environmental Chemical Engineering. elsevier. 5-3, pp.2903-2911.

5 **Scientific paper**. Félix A. López; Teresa Cebriano; Irene García-Díaz; Paloma Fernández; Olga Rodríguez; Ana López Fernández. (2/5). 2017. Synthesis and Microstructural Properties of ZnO Nanoparticles Prepared by Selective Leaching of Zinc from Spent Alkaline Batteries using Ammoniacal Ammonium Carbonate. Journal of Cleaner Production. elsevier. 148, pp.795-803.

6 **Scientific paper**. I.López; T.Cebriano; P.Hidalgo; E.Nogales; J.Piqueras. 2016. The role of impurities in the shape, structure and physical properties of semiconducting oxide nanostructures grown by thermal evaporation. AIMS Materials Science. AIMS Materials Science. 3-2, pp.425-433.

7 **Scientific paper**. T.Cebriano; B.Méndez; J.Piqueras. (1/3). 2016. Raman study of phase transitions induced by thermal annealing and laser irradiation in antimony oxide micro - and nanostructures. CrystEngComm. The Royal Society of Chemistry. 18-2541, pp.2541-2545.

8 **Scientific paper**. T. Cebriano (AC); Y. Ortega; P. Hidalgo; D. Maestre; B. Méndez; J. Piqueras. (1/5). 2014. Study of mechanical resonances of Sb2O3 micro- and nanorods. Nanotechnology. IOP Publishing. 25-235701, pp.235701-235708.

9 **Scientific paper**. T. Cebriano (AC); J. Piqueras; B. Méndez. (1/3). 2013. Sb2O3 microrods: self-assembly phenomena, luminescence and phase transition. Journal of nanoparticle research. Springer. 15-1667. ISSN 1388-0764.

10 **Scientific paper**. B. Méndez; T. Cebriano; I. López; E. Nogales; J. Piqueras. 2013. Waveguiding and confinement of light in semiconductor oxide microstructures. Proceeding of SPIE. 8626.

11 **Scientific paper**. T. Cebriano (AC); B. Méndez; J. Piqueras. (1/3). 2012. Study of luminescence and optical resonances in Sb2O3 micro- and nanotriangles.Journal of nanoparticle research. Springer. 14-1215, pp.1215. ISSN 1388-0764.

12 **Scientific paper**. T. Cebriano (AC); B. Méndez; J. Piqueras. (1/3). 2012. Micro- and nanostructures of SB2O3 grown by evaporation-deposition. Self assembly phenomena fractal and dendritic growth. Materials Chemistry and Physics. Elsevier. 135-135, pp.1096-1103.

C.2. Conferences and meetings

1 A. F. Mallet; T. Cebriano; B. Méndez; J. Piqueras. Structural and Optical Study of Molybdenum Oxide Nanoplates Grown by Resistive Heating of Mo. Caribbean Conference on Functional Materials. 2018. Colombia. Participatory - oral communication.

2 F.A. López; I. García-Díaz; T.Cebriano; J.R Gónzález. SYNTHESIS OF TRICALCIUM ALUMINATE FROM ALUMINIUM DROSS. BRIDGING MINERALS & MATERIALS SCIENCES. 2017. Italy. Participatory - oral communication. Conference.

3 G. Escalante; T. Cebriano; F. A. López; P. Fernández. Cathodoluminescence properties of ZnO from Zn-C spent batteries. Caribbean Conference on Functional Materials. 2016. Dominican Republic. Participatory - oral communication.

4 T. Cebriano; B. Méndez; J. Piqueras. Nano and Microstructures of Antimony Oxide. Resonance Phenomena and Phase Transitions. Caribbean Conference on Functional Materials. 2016. Dominican Republic. Participatory - invited/keynote talk.

5 T. Cebriano; I. García-Díaz; O. Rodriguez; A. López-Fernández; G. Escalante; P. Fernández; F.A. López. Growth and characterization of ZnO micro- and nanostructures synthetized from spent batteries.. Materials Science and Engineering. 2016. Germany. Participatory - oral communication.
6 I. García-Díaz; O.Rodríguez; T.Cebriano; A.López-Fernández; G.Escalante; E.Escudero; P.Fernández; F.A.López. SYNTHESIS AND PROPERTIES OF ZNO FROM ZN-C SPENT BATTERIES. SUM 2016. 2016. Italy. Participatory - oral communication.
7 B. Méndez; I. López; T. Cebriano; E. Nogales; P. Hidalgo; J. Piqueras. Shaping oxide nanostructures by doping: synthesis and optical properties. International Conference on Nanomaterials for Frontier Applications. 2015. India. Participatory - Plenary session. Conference.
8 P. Hidalgo; B. Méndez; J. Piqueras; J. Bartolomé; T. Cebriano; M. Vila; A. Cremades; C. Díaz. in-situ SEM study of mechanical resonances of semiconductor oxide micro and nanorods. MCM2015. 2015. Hungary. Participatory - invited/keynote talk. Conference.
9 B. Méndez; T. Cebriano; P. Hidalgo; Y. Ortega; J. Piqueras. Microstructure and optical resonances in semiconducting oxides micro-cavities. Microscience 2014. 2015. United Kingdom. Participatory - oral communication.
10 B. Méndez; T. Cebriano; I. López; P. Hidalgo; E. Nogales; J. Piqueras. Study of luminescence and optical resonances in semiconducting oxides. 12th International Workshop on Beam Injection Assessment in microstructure semiconductor BIAMS. 2014. Japan. Participatory - invited/keynote talk.
11 T. Cebriano; B. Méndez; J. Piqueras. Micro- and nanostructures of SB2O3 grown by evaporation-deposition. Self assembly phenomena. 10th Multinational Congress on Microscopy. 2011. Italy. 'Participatory - poster. Conference.
12 J. Piqueras; J. Bartolomé; T. Cebriano; A. Cremades; B. Méndez. Optical and mechanical resonances in nano- and microstructures of semiconductor oxides. 6th Symposium International on Functional Materials. 2014. Singapore. Participatory - invited/keynote talk. Conference.
13 T. Cebriano; B. Méndez; J. Piqueras. Study of antimony oxide microrods formed by self-assembled nanoplates. EMRS. France. 'Participatory - poster. Conference.
14 Synthesis and Luminescence of Self Assembled Sb2O3 Triangular Micro- and Nanostructures. MRS. United States of America. Participatory - oral communication. Conference.
15 Waveguiding and confinement of light in semiconductor oxide microstructures. SPIE. United States of America. Participatory - invited/keynote talk. Conference.
16 T. Cebriano; B. Méndez; J. Piqueras. Crecimiento de Micro- y nanoestructuras de Sb2O3 mediante el me?todo de evaporacio?n- deposicio?n.. vigesimoprimera reunio?n Bienal de la Real Sociedad Espan?ola de la Fi?sica. Spain. 'Participatory - poster.
17 J. Piqueras; J. Bartolomé; T. Cebriano; et al; D. Maestre. STUDY OF MECHANICAL BEHAVIOR OF SEMICONDUCTOR MICRO- AND NANORODS BY IN-SITU SCANNING ELECTRON MICROSCOPY. International Conference Materials Science in the Age of Sustainability. Cuba. Participatory - invited/keynote talk.

C.3. Research projects and contracts

1 **Project**. Elongated nanostructures complex oxides and compound semiconductors of technological interest (MAT 2012-31959). Ministerio de Ciencia e Innovación. (Universidad Complutense de Madrid). 2013-2016. 274.950 €. Team member.
2 **Project**. IMAGINE: Materials science down to the subangstrom scale, CONSOLIDER. Ministerio de Ciencia e Innovación. 2009-2016. Team member.
3 **Project**. Micro- and nanocharacterization of electronic materials MAT2012-31959. Consolidación de grupos de investigación UCM. (Universidad Complutense de Madrid). 01/01/2011-30/06/2011. 5.227,2 €.
4 **Project**. AREX2. (CONSORCIO DE LASERES PULSADOS ULTRACORTOS ULTRAINTENSOS). From 01/03/2023.
5 **Project**. TYMPAL: Transporte y manipulación de partículas en aceleradores láser: Nuevos escenarios en radioterapia flash.. Junta de Castilla y León. (Centro de Láseres pulsados). From 01/03/2021.

6 **Contract**. Ecopilas15 Envirobat España S.L. 28/03/2016-28/09/2016. 35.000 €.