



**YOLANDA JIMÉNEZ TEJA**

Generated from: Editor CVN de FECYT

Date of document: 14/12/2021

**v 1.4.3**

ad2719b24e5282485ae81148bf28be03

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>



## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I hold a Bachelor's Degree in **Mathematics** from the University of Cádiz (2003), a Master's in Geodesy and Geophysics from the same University (2006) and a Ph.D. in Physics and Mathematics from the University of Granada (2011, formerly starting as a Ph.D. in Nautics and Defense Technologies). The title of my Ph.D. thesis is "CHEFs polar basis for astronomical data analysis" and it was written in the Institute of Astrophysics of Andalucía (IAA). I was associate professor in the University of Cádiz in 2004. I was postdoctoral fellow in the IAA until 2012, to continue as postdoctoral fellow in the National Observatory (ON) of Rio de Janeiro (Brazil). At ON, I enjoyed two consecutive postdoctoral fellowships, where I combined my research with teaching in the Ph.D. program of Astronomy and Astrophysics. In 2019, I had a 4-month break for **maternity leave**. In 2020, I moved back to the **IAA with a Marie Curie Individual Postdoctoral Fellowship**.

My main field of research is focused on the analysis of **one- and two-dimensional data**, particularly using multiscale transforms and mathematical tools that I developed myself. I have wide experience working in **image processing and modelling of surfaces**, including **diffuse, low surface brightness structures**. Although I participate in several areas of Astronomy, Astrophysics, and Geophysics, my research is especially oriented to **Extragalactic Astronomy**. In particular, I am mainly interested in galaxies (from the **photometric** and **morphological** point of view) and **clusters of galaxies** (specifically, the intracluster light). However, I have also collaborated with **other researchers** in topics such as both weak and strong gravitational lensing, stellar population analyses, numerical simulations of galaxies, studies of trajectories of asteroids, analyses of low signal-to-noise spectra of asteroids, and processing of aeromagnetic data (in Geophysics).

I have published **42 peer-reviewed regular scientific articles, plus 2 more accepted**, indexed and with relative quality index, **all of them published in journals in the 1st quartil** of the area of Earth and Planetary Science (category: Space and Planetary Science). In addition I have published 2 **indexed article without relative quality index, 5 book chapters and 2 books**. My peer-reviewed works have received **3796 citations and an h-index of 21 according to ISI WEB OF SCIENCE Researcher ID**, 5810 citations and h=25 according to Google Scholar, and **4571 citations and h=23 according the SAO/NASA Astrophysics Data System**.

I am part of the **ALHAMBRA, J-PLUS, J-PAS**, and **CLASH** collaborations. I am the **coordinator** of the Morphological Science Working group in J-PAS.

I have experience **teaching** and I have participated in several **academic committees**. I have supervised a **M.Sc. Thesis** and I am currently supervising a **PhD. Thesis**, both at the National Observatory in Rio de Janeiro. I am also **referee** of the journals Pattern Recognition Letters and The Astrophysical Journal.



CURRÍCULUM VÍTAE NORMALIZADO

ad2719b24e5282485ae81148bf28be03

|



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

I have published **42 peer-reviewed regular scientific articles, plus 2 more accepted, indexed and with relative quality index, all of them published in journals in the 1st quartil** of the area of Earth and Planetary Science (category: Space and Planetary Science). In addition I have published **2 indexed article without relative quality index, 5 book chapters and 2 books**. My peer-reviewed works have received **3796 citations and an h-index of 21 according to ISI WEB OF SCIENCE Researcher ID**, 5810 citations and h=25 according to Google Scholar, and **4571 citations and h=23 according the SAO/NASA Astrophysics Data System**.

## YOLANDA JIMÉNEZ TEJA

Surname(s): **JIMÉNEZ TEJA**  
Name: **YOLANDA**  
ORCID: **0000-0002-6090-2853**  
ResearcherID: **D-5933-2011**  
Contact aut. region/reg.: **Andalusia**

### Current professional situation

**Employing entity:** Consejo Superior de Investigaciones Científicas      **Type of entity:** State agency  
**Department:** Departamento de Astronomía Extragaláctica, Instituto de Astrofísica de Andalucía  
**Professional category:** Marie Curie Individual      **Educational Management (Yes/No):** Yes  
Postdoctoral Fellow  
**City employing entity:** Granada, Andalusia, Spain  
**Start date:** 01/04/2020  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)      **Dedication regime:** Full time  
**Field of management activity:** Public Research Body

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Observatório Nacional	FAPERJ Nota 10 Postdoctoral Fellow	01/09/2016
2	Observatório Nacional	Ciência sem Fronteiras - Jovens Talentos Postdoctoral Fellow	01/02/2014
3	Instituto de Astrofísica de Andalucía	Andalusian Regional Government Postdoctoral Fellow	01/02/2012
4	Instituto de Astrofísica de Andalucía	CSIC Postdoctoral Fellow	07/07/2011
5	Instituto de Astrofísica de Andalucía	I3P CSIC PhD student	01/01/2007
6	Universidad de Cádiz	Master student	01/08/2004
7	Universidad de Cádiz	Adjunct professor	07/01/2004

**1** **Employing entity:** Observatório Nacional      **Type of entity:** Public Research Body  
**Department:** Coordenação de Pesquisa em Astronomia e Astrofísica, Observatório Nacional  
**City employing entity:** Rio de Janeiro, Brazil  
**Professional category:** FAPERJ Nota 10      **Educational Management (Yes/No):** Yes  
Postdoctoral Fellow  
**Start-End date:** 01/09/2016 - 01/01/2020  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Field of management activity:** Public Research Body



- 2** **Employing entity:** Observatório Nacional **Type of entity:** Public Research Body  
**Department:** Coordenação de Pesquisa em Astronomia e Astrofísica, Observatório Nacional  
**City employing entity:** Rio de Janeiro, Brazil  
**Professional category:** Ciência sem Fronteiras - Jovens Talentos Postdoctoral Fellow **Educational Management (Yes/No):** Yes  
**Start-End date:** 01/02/2014 - 31/08/2016  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)
- 3** **Employing entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Department:** Extragalactic Astronomy, Instituto de Astrofísica de Andalucía (IAA-CSIC)  
**City employing entity:** Granada, Andalusia, Spain  
**Professional category:** Andalusian Regional Government Postdoctoral Fellow **Educational Management (Yes/No):** No  
**Start-End date:** 01/02/2012 - 31/01/2014  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time
- 4** **Employing entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Department:** Extragalactic Astronomy, Instituto de Astrofísica de Andalucía (IAA-CSIC)  
**City employing entity:** Granada, Andalusia, Spain  
**Professional category:** CSIC Postdoctoral Fellow **Educational Management (Yes/No):** No  
**Start-End date:** 07/07/2011 - 31/01/2012  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time
- 5** **Employing entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Department:** Extragalactic Astronomy, Instituto de Astrofísica de Andalucía (IAA-CSIC)  
**City employing entity:** Granada, Andalusia, Spain  
**Professional category:** I3P CSIC PhD student **Educational Management (Yes/No):** No  
**Start-End date:** 01/01/2007 - 31/12/2010  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time
- 6** **Employing entity:** Universidad de Cádiz **Type of entity:** University  
**Department:** Departamento de Matemáticas, Facultad de Ciencias  
**City employing entity:** Puerto Real, Andalusia, Spain  
**Professional category:** Master student **Educational Management (Yes/No):** Yes  
**Start-End date:** 01/08/2004 - 30/11/2006  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time  
**Field of management activity:** University
- 7** **Employing entity:** Universidad de Cádiz **Type of entity:** University  
**Department:** Mathematics, Facultad de Ciencias  
**Professional category:** Adjunct professor **Educational Management (Yes/No):** Yes  
**Start-End date:** 07/01/2004 - 15/09/2004  
**Type of contract:** Temporary employment contract



CURRÍCULUM VITAE NORMALIZADO

ad2719b24e5282485ae81148bf28be03

**Dedication regime:** Part time  
**Field of management activity:** University



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree  
**Name of qualification:** Licenciada en Matemáticas  
**Degree awarding entity:** Universidad de Cádiz      **Type of entity:** University  
**Date of qualification:** 2003  
**Average mark:** Excellent  
**Prize:** Special award for degree

#### Doctorates

- 1** **Doctorate programme:** Doctora en Física y Matemáticas (inicio en Náutica y Tecnologías para la Defensa)  
**Degree awarding entity:** Universidad de Granada      **Type of entity:** University  
**City degree awarding entity:** Granada, Andalusia, Spain  
**Date of degree:** 25/03/2011  
**DEA awarding entity:** Universidad de Cádiz  
**Date DEA was awarded:** 24/01/2007  
**European doctorate:** No  
**Thesis title:** CHEF polar basis for astronomical data analysis  
**Thesis director:** Narciso Benítez Lozano  
**Obtained qualification:** Summa Cum Laude  
**Recognition of quality:** No  
**Special doctorate award:** No  
**Standardised degree:** No
- 2** **Doctorate programme:** Máster en Astronomía, Geodesia y Geofísica  
**Degree awarding entity:** Universidad de Cádiz  
**Date of degree:** 24/01/2007

## Teaching experience

### General teaching experience

- 1** **Type of teaching:** Official teaching  
**Name of the course:** Data Processing in Astronomy  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Pósgradação em Astronomia e Astrofísica  
**Start date:** 20/08/2018      **End date:** 04/12/2018





**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 32

**Entity:** Observatório Nacional

**Type of entity:** Public Research Body

**Department:** Coordenação de Astronomia e Astrofísica

**City of entity:** Rio de Janeiro, Brazil

**Subject language:** Portuguese

**2 Type of teaching:** Official teaching

**Name of the course:** Data Processing in Astronomy

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Pósgraduação em Astronomia e Astrofísica

**Start date:** 21/03/2017

**End date:** 16/08/2017

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 32

**Entity:** Observatório Nacional

**Type of entity:** Public Research Body

**Department:** Coordenação de Astronomia e Astrofísica

**City of entity:** Rio de Janeiro, Brazil

**Subject language:** Portuguese

**3 Type of teaching:** Official teaching

**Name of the course:** Data Processing in Astronomy

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Pósgraduação em Astronomia e Astrofísica

**Start date:** 01/10/2015

**End date:** 22/12/2015

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 32

**Entity:** Observatório Nacional

**Type of entity:** Public Research Body

**Department:** Coordenação de Astronomia e Astrofísica

**City of entity:** Rio de Janeiro, Brazil

**Subject language:** Portuguese

**4 Type of teaching:** Official teaching

**Name of the course:** Data Processing in Astronomy

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Pósgraduação em Astronomia e Astrofísica

**Start date:** 06/08/2014

**End date:** 06/12/2014

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 32

**Entity:** Observatório Nacional

**Type of entity:** Public Research Body

**Department:** Coordenação de Astronomia e Astrofísica

**City of entity:** Rio de Janeiro, Brazil

**Subject language:** English

**5 Name of the course:** Mathematics II

**University degree:** Chemical Engineering

**Start date:** 07/01/2004

**End date:** 15/09/2004

**Entity:** Universidad de Cádiz

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias



- 6 Name of the course:** Global Positioning Systems  
**University degree:** Master in Geolocation Systems Applied to Agriculture  
**Start date:** 03/11/2004  
**Entity:** Universidad de Cádiz **Type of entity:** University

### Experience supervising doctoral thesis and/or final year projects

**Project title:** Evolução da luz intra-aglomerado e impactos na dinâmica de aglomerados de galáxias  
**Type of project:** M. Sc. Thesis  
**Co-director of thesis:** Renato de Alencar Dupke  
**Entity:** Observatório Nacional **Type of entity:** Public Research Body  
**City of entity:** Rio de Janeiro, Brazil  
**Student:** Nicolas Otávio Lopes de Oliveira  
**Obtained qualification:** Approved  
**Date of reading:** 13/03/2020

## Scientific and technological experience

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** The Javalambre-Physics of the accelerating Universe Astrophysical Survey  
**Geographical area:** Non EU International  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Jose Ruedas  
**Funding entity or bodies:**  
 Agencia Estatal de Investigación  
**Type of participation:** Team member  
**Start-End date:** 01/01/2016 - 31/12/2019  
**Total amount:** 19.000 €
- 2 Name of the project:** The Javalambre- Physics of the Accelerated Universe Astrophysical Survey  
**Geographical area:** Non EU International  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Narciso Benítez Lozano  
**Funding entity or bodies:**  
 CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA **Type of entity:** Associations and Groups  
 MICINN/MINECO



**Type of participation:** Team member  
**Start-End date:** 01/01/2014 - 30/06/2018  
**Total amount:** 119.790 €

- 3** **Name of the project:** El efecto lente en cúmulos de galaxias observados con el telescopio espacial  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Narciso Benítez  
**Funding entity or bodies:** Junta de Andalucía **Type of entity:** Andalusian Council  
**City funding entity:** Sevilla, Andalusia, Spain  
**Start-End date:** 15/03/2011 - 14/03/2015  
**Total amount:** 99.280 €

- 4** **Name of the project:** Formación de Galaxias y Cúmulos  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Narciso Benítez  
**Funding entity or bodies:** MICINN/MINECO  
**Start-End date:** 01/01/2011 - 31/12/2014  
**Total amount:** 187.792 €

- 5** **Name of the project:** GALAXIAS Y COSMOLOGÍA  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Josefa Masegosa Gallego  
**Nº of researchers:** 50  
**Code according to the funding entity:** TIC 114  
**Start-End date:** 01/01/2011 - 2013 **Duration:** 730 days  
**Total amount:** 100.000 €

- 6** **Name of the project:** INVESTIGACIONES GEODÉSICAS, GEOFÍSICAS Y DE TELEDETECCIÓN EN LA ISLA DECEPCIÓN Y EN SU ENTORNO (PENÍNSULA ANTÁRTICA-ISLAS SHETLAND DEL SUR). (ADSCRITO POR LA CI 2006-03-23 AL CACYTMAR).  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Cádiz  
**Name principal investigator (PI, Co-PI....):** Manuel Berrocoso Domínguez  
**Nº of researchers:** 15  
**Funding entity or bodies:** Comisión Interministerial de Ciencia y Tecnología (CICYT)  
**Code according to the funding entity:** CGL2005-07589-CO3-01/ANT  
**Start-End date:** 31/12/2005 - 31/12/2008 **Duration:** 1096 days  
**Total amount:** 249.900 €

- 7** **Name of the project:** Actividad Geodinámica en la isla Decepción (GEODEC),  
**Entity where project took place:** Universidad de Cádiz  
**Name principal investigator (PI, Co-PI....):** Manuel Berrocoso; yolanda Jiménez Teja



**Nº of researchers:** 7

**Funding entity or bodies:**

Comisión Interministerial de Ciencia y Tecnología (CICYT)

**Start-End date:** 01/01/2001 - 31/12/2003

**Total amount:** 302.912,62 €

**8 Name of the project:** Estudos fotométricos e espectroscópicos de pequenos corpos peculiares

**Geographical area:** Non EU International

**Degree of contribution:** Researcher

**Entity where project took place:** Observatório Nacional

**City of entity:** Rio de Janeiro, Brazil

**Name principal investigator (PI, Co-PI...):** Alvaro Augusto Alvarez Candal

**Nº of researchers:** 5

**Name of the programme:** Universal 01/2016 - Faixa B - CNPq

**Start date:** 01/01/2017

**9 Name of the project:** Estudos fotométricos de pequenos corpos com os levantamentos JPAS e JPLUS

**Geographical area:** Non EU International

**Degree of contribution:** Researcher

**Entity where project took place:** Observatório Nacional

**City of entity:** Rio de Janeiro, Brazil

**Name principal investigator (PI, Co-PI...):** Alvaro Augusto Alvarez Candal

**Nº of researchers:** 5

**Name of the programme:** Jovem Cientista de Nosso Estado 2016 - FAPERJ

**Start date:** 01/01/2016

**10 Name of the project:** Cluster Lensing and Supernova Survey with Hubble (CLASH)

**Geographical area:** Non EU International

**Degree of contribution:** Researcher

**Entity where project took place:** Space Telescope Science Institute

**City of entity:** Baltimore, United States of America

**Name principal investigator (PI, Co-PI...):** Marc Postman

**Nº of researchers:** 49

**Type of participation:** Team member

**Code according to the funding entity:** HUBBLE MULTI-CYCLE PROGRAM

**Start date:** 01/01/2010

**Total amount:** 1 €

**Sub-project amount:** 0 €

**11 Name of the project:** AYUDA PAI2006-RNM314 GEODESIA Y GEOFÍSICA CÁDIZ

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Cádiz **Type of entity:** University

**Name principal investigator (PI, Co-PI...):** Manuel Berrocoso Domínguez

**Nº of researchers:** 12

**Code according to the funding entity:** 2006-025/RNM314

**Start date:** 01/01/2006

**Duration:** 730 days

**Total amount:** 9.170,78 €



- 12 Name of the project:** Advanced, Large, Homogeneous Area Medium Band Redshift Astronomical Survey (ALHAMBRA)  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Mariano Moles Villamate  
**Nº of researchers:** 42  
**Funding entity or bodies:**  
Consejo Superior de Investigaciones Científicas **Type of entity:** State agency  
Fondo Europeo de Desarrollo Regional  
Fundación Española para la Ciencia y la Tecnología  
Gobierno de Aragón **Type of entity:** Body, others  
Ministerio de Ciencia e Innovación **Type of entity:** Body, others  
**Type of participation:** Team member  
**Start date:** 01/01/2006
- 13 Name of the project:** GALAXIAS Y COSMOLOGÍA  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**Name principal investigator (PI, Co-PI....):** Josefa Masegosa Gallego  
**Nº of researchers:** 48  
**Code according to the funding entity:** TIC 114  
**Start date:** 01/01/2006 **Duration:** 1460 days  
**Total amount:** 300.000 €
- 14 Name of the project:** ADMINISTRACIÓN, CONTROL CIENTÍFICO Y TÉCNICO Y MANTENIMIENTO DE LA RED ANDALUZA DE POSICIONAMIENTO  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Cádiz **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Manuel Berrocoso Domínguez  
**Nº of researchers:** 6  
**Code according to the funding entity:** OT2006/169  
**Start date:** 01/01/2005 **Duration:** 1095 days  
**Total amount:** 36.000 €
- 15 Name of the project:** AYUDA PAI2005-RNM314 GEODESIA Y GEOFÍSICA CÁDIZ  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Cádiz **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Manuel Berrocoso Domínguez  
**Nº of researchers:** 12  
**Code according to the funding entity:** 2005-233/RNM314  
**Start date:** 01/01/2005 **Duration:** 1095 days  
**Total amount:** 4.795,45 €



- 16** **Name of the project:** AYUDA PAI2004-RNM314 GEODESIA Y GEOFISICA CADIZ  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Cádiz **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Manuel Berrocoso Domínguez  
**Nº of researchers:** 15  
**Code according to the funding entity:** 2004-166/RNM314  
**Start date:** 02/12/2004  
**Total amount:** 5.403,72 €

## Results

### Technological results derived from specialized and transfer activities, not included in previous sections

- 1** **Description:** CHEFs Intracluster Light Estimator (CICLE) - Software of image processing  
**Name of the principal Investigator (PI):** Yolanda Jiménez Teja  
**Degree of contribution:** Coordinator of total project, network or consortium  
**New techniques or equipment:** Yes  
**Geographical area:** Non EU International  
**Start date:** 2016
- 2** **Description:** Chebyshev-Fourier bases (CHEFs) - Software of image processing and big data  
**Name of the principal Investigator (PI):** Yolanda Jiménez Teja  
**Degree of contribution:** Coordinator of total project, network or consortium  
**New techniques or equipment:** Yes  
**Geographical area:** Non EU International  
**Start date:** 2012

## Scientific and technological activities

### Scientific production

**H index:** 23

**Date of application:** 13/12/2021

**Fuente de Índice H:** SAO/NASA Astrophysics Data System

### Publications, scientific and technical documents

- 1** E.~V.~R. {Lima}; L. {Sodr{\'e}}; C.~R. {Bom}; G.~S.~M. {Teixeira}; L. {Nakazono}; M.~L. {Buzzo}; C. {Queiroz}; F.~R. {Herpich}; J.~L. Nilo {Castellon}; M.~L.~L. {Dantas}; O.~L. {Dors}; R.~C. Thom de {Souza}; S. {Akras}; Y. {Jim{\'e}nez-Teja}; A. {Kanaan}; T. {Ribeiro}; W. {Schoennell}. Photometric redshifts for the S-PLUS Survey: Is machine learning up to the task?. *Astronomy and Computing*. 38, pp. 100510 - 100510. 01/2022.  
**Type of production:** Scientific paper **Format:** Journal
- 2** Yolanda Jiménez-Teja; Jose M. Vílchez; Renato A. Dupke; Paulo A.~A. Lopes; Nicolas O. L. de Oliveira; Dan Coe. RELICS: ICL Analysis of the  $z = 0.566$  Merging Cluster WHL J013719.8-08284. *The Astrophysical Journal*. 922 - 2, pp. 268 - 268. 12/2021.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 3** S. {Bonoli}; A. {Mar{\'i}n-Franch}; J. {Varela}; H. {V{\'a}zquez Rami{\'o}}; L.~R. {Abramo}; A.~J. {Cenarro}; R.~A. {Dupke}; J.~M. {V{\'i}lchez}; D. {Crist{\'o}bal-Hornillos}; R.~M. {Gonz{\'a}lez Delgado}; C. {Hern{\'a}ndez-Monteagudo}; C. {L{\'o}pez-Sanjuan}; D.~J. {Muniesa}; T. {Civera}; A. {Ederoclite}; A. {Hern{\'a}n-Caballero}; V. {Marra}; P.~O. {Baqui}; A. {Cortesi}; E.~S. {Cypriano}; S. {Daflon}; A.~L. {de Amorim}; L.~A. {D{\'i}az-Garc{\'i}a}; J.~M. {Diego}; G. {Mart{\'i}nez-Solauche}; E. {P{\'e}rez}; V.~M. {Placco}; F. {Prada}; C. {Queiroz}; J. {Alcaniz}; A. {Alvarez-Candal}; J. {Cepa}; A.~L. {Maroto}; F. {Roig}; B.~B. {Siffert}; K. {Taylor}; N. {Benitez}; M. {Moles}; L. {Sodr{\'e}}; S. {Carneiro}; C. {Mendes de Oliveira}; E. {Abdalla}; R.~E. {Angulo}; M. {Aparicio Resco}; A. {Balaguera-Antol{\'i}nez}; F.~J. {Ballesteros}; D. {Brito-Silva}; T. {Broadhurst}; E.~R. {Carrasco}; T. {Castro}; R. {Cid Fernandes}; P. {Coelho}; R.~B. {de Melo}; L. {Doubrawa}; A. {Fernandez-Soto}; F. {Ferrari}; A. {Finoguenov}; R. {Garc{\'i}a-Benito}; J. {Iglesias-P{\'a}ramo}; Y. Jiménez-Teja; F.~S. {Kitaura}; J. {Laur}; P.~A.~A. {Lopes}; G. {Lucatelli}; V.~J. {Mart{\'i}nez}; M. {Maturi}; R.~A. {Overzier}; C. {Pigozzo}; M. {Quartin}; J.~E. {Rodr{\'i}guez-Mart{\'i}n}; V. {Salzano}; A. {Tamm}; E. {Tempel}; K. {Umetsu}; L. {Valdivielso}; R. {von Marttens}; A. {Zitrin}; M.~C. {D{\'i}az-Mart{\'i}n}; G. {L{\'o}pez-Alegre}; A. {L{\'o}pez-Sainz}; A. {Yanes-D{\'i}az}; F. {Rueda-Teruel}; S. {Rueda-Teruel}; J. {Abril Iba{\'n}ez}; J. {L Ant{\'o}n Bravo}; R. {Bello Ferrer}; S. {Bielsa}; J.~M. {Casino}; J. {Castillo}; S. {Chueca}; L. {Cuesta}; J. {Garzar{\'a}n Calderaro}; R. {Iglesias-Marzoa}; C. {{\'i}niguez}; J.~L. {Lamadrid Gutierrez}; F. {Lopez-Martinez}; D. {Lozano-P{\'e}rez}; N. {Ma{\'i}cas Sacrist{\'a}n}; E.~L. {Molina-Ib{\'a}n{\'e}z}; A. {Moreno-Signes}; S. {Rodr{\'i}guez Llano}; M. {Royo Navarro}; V. {Tilve Rua}; U. {Andrade}; E.~J. {Alfaro}; S. {Akras}; P. {Arnalte-Mur}; B. {Ascaso}; C.~E. {Barbosa}; J. {Beltr{\'a}n Jim{\'e}nez}; M. {Benetti}; C.~A.~P. {Bengaly}; A. {Bernui}; J.~J. {Blanco-Pillado}; M. {Borges Fernandes}; J.~N. {Bregman}; G. {Bruzual}; G. {Calderone}; J.~M. {Carvano}; L. {Casarini}; J. {Chaves-Montero}; A.~L. {Chies-Santos}; G. {Coutinho de Carvalho}; P. {Dimauro}; S. {Duarte Puertas}; D. {Figueroa}; J.~I. {Gonz{\'a}lez-Serrano}; M.~A. {Guerrero}; S. {Gurung-L{\'o}pez}; D. {Herranz}; M. {Huertas-Company}; J.~A. {Irwin}; D. {Izquierdo-Villalba}; A. {Kanaan}; C. {Kehrig}; C.~C. {Kirkpatrick}; J. {Lim}; A.~R. {Lopes}; R. {Lopes de Oliveira}; A. {Marcos-Caballero}; D. {Mart{\'i}nez-Delgado}; E. {Mart{\'i}nez-Gonz{\'a}lez}; G. {Mart{\'i}nez-Somonte}; N. {Oliveira}; A.~A. {Orsi}; M. {Penna-Lima}; R.~R.~R. {Reis}; D. {Spinoso}; S. {Tsujikawa}; P. {Vielva}; A.~Z. {Vitorelli}; J.~Q. {Xia}; H.~B. {Yuan}; A. {Arroyo-Polonio}; M.~L.~L. {Dantas}; C.~A. {Galarza}; D.~R. {Gon{\'c}alves}; R.~S. {Gon{\'c}alves}; J.~E. {Gonzalez}; A.~H. {Gonzalez}; N. {Greisel}; F. {Jim{\'e}nez-Esteban}; R.~G. {Landim}; D. {Lazzaro}; G. {Magris}; R. {Monteiro-Oliveira}; C.~B. {Pereira}; M.~J.



{Rebouças}; J.-M. {Rodríguez-Espinosa}; S. {Santos da Costa}; E. {Telles}. The miniJPAS survey: A preview of the Universe in 56 colors. *Astronomy & Astrophysics*. 653, pp. A31 - A31. 09/2021.

**Type of production:** Scientific paper

**Format:** Journal

- 4 P. {Santos-Sanz}; J.-L. {Ortiz}; B. {Sicardy}; G. {Benedetti-Rossi}; N. {Morales}; E. {Fernández-Valenzuela}; R. {Duffard}; R. {Iglesias-Marzoa}; J.-L. {Lamadrid}; N. {Maíz Apellániz}; L. {Pérez}; K. {Gazeas}; J.-C. {Guirado}; V. {Peris}; F.-J. {Ballesteros}; F. {Organero}; L. {Ana-Hernández}; F. {Fonseca}; A. {Alvarez-Candal}; Y. Jiménez-Teja; M. {Vara-Lubiano}; F. {Braga-Ribas}; J.-I.-B. {Camargo}; J. {Desmars}; M. {Assafin}; R. {Vieira-Martins}; J. {Alikakos}; M. {Boutet}; M. {Bretton}; A. {Carbognani}; V. {Charmandaris}; F. {Ciabattari}; P. {Delincak}; A. {Fuambueña Leiva}; H. {González}; T. {Haymes}; S. {Hellmich}; J. {Horbowicz}; M. {Jennings}; B. {Kattentidt}; Cs {Kiss}; R. {Komzsi}; J. {Lecacheux}; A. {Marciniak}; S. {Moindrot}; S. {Mottola}; A. {Pal}; N. {Paschalis}; S. {Pastor}; C. {Perello}; T. {Pribulla}; C. {Ratinaud}; J.-A. {Reyes}; J. {Sanchez}; C. {Schnabel}; A. {Selva}; F. {Signoret}; E. {Sonbas}; V. {Alí-Lagoa}. The 2017 May 20 stellar occultation by the elongated centaur (95626) 2002 GZ<sub>32</sub>. *Monthly Notices of the Royal Astronomical Society*. 501 - 4, pp. 6062 - 6075. 03/2021.

**Type of production:** Scientific paper

**Format:** Journal

- 5 A. {Molino}; M.-V. {Costa-Duarte}; L. {Sampedro}; F.-R. {Herpich}; L. Jr. {Sodré}; C. {Mendes de Oliveira}; W. {Schoenell}; C.-E. {Barbosa}; C. {Queiroz}; E.-V.-R. {Lima}; L. {Azanha}; N. {Muñoz-Elgueta}; T. {Ribeiro}; A. {Kanaan}; J.-A. {Hernandez-Jimenez}; A. {Cortesi}; S. {Akras}; R. {Lopes de Oliveira}; S. {Torres-Flores}; C. {Lima-Dias}; J.-L. Nilo {Castellon}; G. {Damke}; A. {Alvarez-Candal}; Y. Jiménez-Teja; P. {Coelho}; E. {Pereira}; A.-D. {Montero-Dorta}; N. {Benítez}; T.-S. {Gonzalves}; L. {Santana-Silva}; S.-V. {Werner}; L.-A. {Almeida}; P.-A.-A. {Lopes}; A.-L. {Chies-Santos}; E. {Telles}; Thom {de Souza}; R. {C}; D.-R. {Gonzalves}; R.-S. {de Souza}; M. {Makler}; M.-L. {Buzzo}; V.-M. {Placco}; L.-M.-I. {Nakazono}; R.-K. {Saito}; R.-A. {Overzier}; L.-R. {Abramo}. Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. *Monthly Notices of the Royal Astronomical Society*. 499 - 3, pp. 3884 - 3908. 12/2020.

**Type of production:** Scientific paper

**Format:** Journal

- 6 C. López-Sanjuan; J. Varela; D. Cristóbal-Hornillos; H. Vázquez Ramió; J.M. Carrasco; P. -E. Tremblay; D.D. Whitten; V.M. Placco; A. Marín-Franch; A.J. Cenarro; A. Ederoclite; E. Alfaro; P.R.T. Coelho; T. Civera; J. Hernández-Fuertes; F.M. Jiménez-Esteban; Y. Jiménez-Teja; J. Maíz Apellániz; D. Sobral; J.M. Vilchez; J. Alcaniz; R.E. Angulo; R.A. Dupke; C. Hernández-Monteagudo; C.L. Mendes de Oliveira; M. Moles; L. Sodré. J-PLUS: photometric calibration of large-area multi-filter surveys with stellar and white dwarf loci. *Astronomy & Astrophysics*. 631, pp. A119 - A119. 11/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 7 J.P. Nogueira-Cavalcante; R. Dupke; P. Coelho; M.L.L. Dantas; T.S. Goncalves; K. Menéndez-Delmestre; R. Lopes de Oliveira; Y. Jiménez-Teja; C. López-Sanjuan; J. Alcaniz; R.E. Angulo; A.J. Cenarro; D. Cristóbal-Hornillos; C. Hernández-Monteagudo; A. Ederoclite; A. Marín-Franch; C. Mendes de Oliveira; M. Moles; L. Sodré; J. Varela; H. Vázquez Ramió; A. Alvarez-Candal; A. Chies-Santos; L.A. Díaz-García; L. Galbany; J. Hernandez-Jimenez; P. Sánchez-Blázquez; M. Sánchez-Portal; D. Sobral; E. Telles; E. Tempel. J-PLUS: Impact of bars on quenching timescales in nearby green valley disc galaxies. *Astronomy & Astrophysics*. 630, pp. A88 - A88. 10/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 8 C. Mendes de Oliveira; T. Ribeiro; W. Schoenell; A. Kanaan; R.A. Overzier; A. Molino; L. Sampedro; P. Coelho; C.E. Barbosa; A. Cortesi; M.V. Costa-Duarte; F.R. Herpich; J.A. Hernandez-Jimenez; V.M. Placco; H.S. Xavier; L.R. Abramo; R.K. Saito; A.L. Chies-Santos; A. Ederoclite; R. Lopes de Oliveira; D.R. Goncalves; S. Akas; L.A. Almeida; F. Almeida-Fernandes; T.C. Beers; C. Bonatto; S. Bonoli; E.S. Cypriano; E. Vinicius-Lima; R.S. de Souza; G. Fabiano de Souza; F. Ferrari; T.S. Goncalves; A.H. Gonzalez; L.A. Gutiérrez-Soto; E.A. Hartmann; Y. Jaffe; L.O. Kerber; C. Lima-Dias; P.A.A. Lopes; K. Menendez-Delmestre; L.M.I. Nakazono; P.M. Novais; R.A. Ortega-Minakata; E.S. Pereira; H.D. Perottoni; C. Queiroz; R.R.R. Reis; W.A. Santos; T. Santos-Silva; R.M. Santucci; C.L. Barbosa; Beatriz B. Siffert; L. Sodré; S. Torres-Flores; P. Westera; D.D. Whitten; J.S. Alcaniz; Javier Alonso-García; S. Alencar; A. Alvarez-Candal; P. Amram; L. Azanha; R.H. Barbá; P.H. Bernardinelli; M. Borges Fernandes; V. Branco; D. Brito-Silva; M.L. Buzzo; J. Caffer; A. Campillay; Z. Cano; J.M. Carvano; M. Castejon; R. Cid Fernandes; M.L.L. Dantas; S. Daflon; G. Damke; R. de la Reza; L.J. de Melo de Azevedo; D.F. De Paula; K.G. Diem; R. Donnerstein; O.L. Dors; R. Dupke; S. Eikenberry; Carlos G. Escudero; Favio R. Faifer;



H. Fariás; B. Fernandes; C. Fernandes; S. Fontes; A. Galarza; N.S.T. Hirata; L. Katena; J. Gregorio-Hetem; J.D. Hernández-Fernández; L. Izzo; M. Jaque Arancibia; V. Jatenco-Pereira; Y. Jiménez-Teja; D.A. Kann; A.C. Krabbe; C. Labayru; D. Lazzaro; G.B. Lima Neto; Amand a R. Lopes; R. Magalhaes; M. Makler; R. de Menezes; J. Miralda-Escudé; R. Monteiro-Oliveira; A.D. Montero-Dorta; N. Muñoz-Elgueta; R.S. Nemmen; J.L. Nilo Castellón; A.S. Oliveira; D. Ortiz; E. Pattaro; C.B. Pereira; B. Quint; L. Riguccini; H.J. Rocha Pinto; I. Rodrigues; F. Roig; S. Rossi; Kanak Saha; R. Santos; A. Schnorr Muller; Leandro A. Sesto; R. Silva; Analia V. Smith Castelli; R. Teixeira; E. Telles; R.C. Thom de Souza; C. Thone; M. Trevisan; A. de Ugarte Postigo; F. Urrutia-Viscarra; C.H. Veiga; M. Vika; A.Z. Vitorelli; A. Werle; S.V. Werner; D. Zaritsky. The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. *Monthly Notices of the Royal Astronomical Society*. 489 - 1, pp. 241 - 267. 10/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 9** I. San Roman; P. Sánchez-Blázquez; A.J. Cenarro; L.A. Díaz-García; C. López-Sanjuan; J. Varela; G. Vilella-Rojo; S. Akras; S. Bonoli; A.L. Chies Santos; P. Coelho; A. Cortesi; A. Ederoclite; Y. Jiménez-Teja; R. Logroño-García; R. Lopes de Oliveira; J.P. Nogueira-Cavalcante; A. Orsi; H. Vázquez Ramió; K. Viironen; D. Cristóbal-Hornillos; R. Dupke; A. Marín-Franch; C. Mendes de Oliveira; M. Moles; L. Sodr . J-PLUS: 2-D analysis of the stellar population in NGC 5473 and NGC 5485. *Astronomy & Astrophysics*. 622, pp. 181. 02/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 10** A. Molino; M.V. Costa-Duarte; C. Mendes de Oliveira; A.J. Cenarro; G.B. Lima Neto; E.S. Cypriano; Jr L. Sodr ; P. Coelho; M. Chow-Mart nez; R. Monteiro-Oliveira; L. Sampedro; D. Cristobal-Hornillos; J. Varela; A. Ederoclite; A.L. Chies-Santos; W. Schoenell; T. Ribeiro; A. Mar n-Franch; C. L pez-Sanjuan; J.D. Hern ndez-Fern ndez; A. Cortesi; H. V zquez Rami ; Jr W. Santos; N. Cibirka; P. Novais; E. Pereira; J.A. Hern ndez-Jimenez; Y. Jimenez-Teja; M. Moles; N. Ben tez; R. Dupke. J-PLUS: On the identification of new cluster members in the double galaxy cluster A2589 & A2593 using PDFs. *Astronomy & Astrophysics*. 622, pp. 178. 02/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 11** A.J. Cenarro; M. Moles; D. Crist bal-Hornillos; A. Mar n-Franch; A. Ederoclite; J. Varela; C. L pez-Sanjuan; C. Hern ndez-Monteaagudo; R.E. Angulo; H. V zquez Rami ; K. Viironen; S. Bonoli; A.A. Orsi; G. Hurier; I. San Roman; N. Greisel; G. Vilella-Rojo; L.A. D az-Garc a; R. Logro o-Garc a; S. Gurung-L pez; D. Spinoso; D. Izquierdo-Villalba; J.A.L. Aguerri; C. Allende Prieto; C. Bonatto; J.M. Carvano; A.L. Chies-Santos; S. Daflon; R.A. Dupke; J. Falc n-Barroso; D.R. Goncalves; Y. Jim nez-Teja; A. Molino; V.M. Placco; E. Solano; D.D. Whitten; J. Abril; J.L. Ant n; R. Bello; S. Bielsa de Toledo; J. Castillo-Ram rez; S. Chueca; T. Civera; M.C. D az-Mart n; M. Dom nguez-Mart nez; J. Garzar n-Calderaro; J. Hern ndez-Fuertes; R. Iglesias-Marzoa; C. I niguez; J.M. Jim nez Ruiz; K. Kruuse; J.L. Lamadrid; N. Lasso-Cabrera; G. L pez-Alegre; A. L pez-Sainz; N. Ma cas; A. Moreno-Signes; D.J. Muniesa; S. Rodr guez-Llano; F. Rueda-Teruel; S. Rueda-Teruel; I. Soriano-Lagu a; V. Tilve; L. Valdivielso; A. Yanes-D az; J.S. Alcaniz; C. Mendes de Oliveira; L. Sodr ; P. Coelho; R. Lopes de Oliveira; A. Tamm; H.S. Xavier; L.R. Abramo; S. Akras; E.J. Alfaro; A. Alvarez-Candal; B. Ascaso; M.A. Beasley; T.C. Beers; M. Borges Fernandes; G.R. Bruzual; M.L. Buzzo; J.M. Carrasco; J. Cepa; A. Cortesi; M.V. Costa-Duarte; M. De Pr ; G. Favole; A. Galarza; L. Galbany; K. Garcia; R.M. Gonz lez Delgado; J.I. Gonz lez-Serrano; L.A. Guti rrez-Soto; J.A. Hernandez-Jimenez; A. Kanaan; H. Kuncarayakti; R.C.G. Landim; J. Laur; J. Licandro; G.B. Lima Neto; J.D. Lyman; J. Ma z Apell niz; J. Miralda-Escud ; D. Morate; J.P. Nogueira-Cavalcante; P.M. Novais; M. Oncins; I. Oteo; R.A. Overzier; C.B. Pereira; A. Rebassa-Mansergas; R.R.R. Reis; F. Roig; M. Sako; N. Salvador-Rusi ol; L. Sampedro; P. S nchez-Bl zquez; W.A. Santos; L. Schmidtobreick; B.B. Siffert; E. Telles. J-PLUS: The Javalambre Photometric Local Universe Survey. *Astronomy & Astrophysics*. 622, pp. 176. 02/2019.

**Type of production:** Scientific paper

**Format:** Journal

- 12** Y. Jim nez-Teja; R.A. Dupke; R. Lopes de Oliveira; H.S. Xavier; P.R.T. Coelho; A.L. Chies-Santos; C. L pez-Sanjuan; A. Alvarez-Candal; M.V. Costa-Duarte; E. Telles; J.A. Hernandez-Jimenez; N. Ben tez; J. Alcaniz; J. Cenarro; D. Crist bal-Hornillos; A. Ederoclite; A. Mar n-Franch; C. Mendes de Oliveira; M. Moles; Jr. L. Sodr ; J. Varela; H. V zquez Rami . J-PLUS: analysis of the intracluster light in the Coma cluster. *Astronomy & Astrophysics*. 622, pp. 183. 02/2019.

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes



- 13** A.C. Souza-Feliciano; A. Alvarez-Candal; Y. Jiménez-Teja. Wavelet theory applied to the study of spectra of trans-Neptunian objects. *Astronomy & Astrophysics*. 614, pp. A92 - A92. 06/2018.  
**Type of production:** Scientific paper **Format:** Journal
- 14** Y. Jiménez-Teja; R. Dupke; N. Benítez; A.M. Koekemoer; A. Zitrin; K. Umetsu; B.L. Ziegler; B.L. Frye; H. Ford; R.J. Bouwens; L.D. Bradley; T. Broadhurst; D. Coe; M. Donahue; G.J. Graves; C. Grillo; L. Infante; S. Jovel; D.D. Kelson; O. Lahav; R. Lazkoz; D. Lemze; D. Maoz; E. Medezinski; P. Melchior; M. Meneghetti; A. Mercurio; J. Merten; A. Molino; L.A. Moustakas; M. Nonino; S. Ogaz; A.G. Riess; P. Rosati; J. Sayers; S. Seitz; W. Zheng. Unveiling the Dynamical State of Massive Clusters through the ICL Fraction. *The Astrophysical Journal*. 857, pp. 79 - 79. 04/2018.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 15** B.P. Abbott; R. Abbott; T.D. Abbott; F. Acernese; K. Ackley; C. Adams; T. Adams; P. Addesso; R.X. Adhikari; V.B. Adya; et al.. Multi-messenger Observations of a Binary Neutron Star Merger. *The Astrophysical Journal Letters*. 848, pp. L12 - L12. 10/2017.  
**Type of production:** Scientific paper **Format:** Journal
- 16** M.C. Díaz; L.M. Macri; D. Garcia Lambas; C. Mendes de Oliveira; J.L. Nilo Castellón; T. Ribeiro; B. Sánchez; W. Schoenell; L.R. Abramo; S. Akas; J.S. Alcaniz; R. Artola; M. Beroiz; S. Bonoli; J. Cabral; R. Camuccio; M. Castillo; V. Chavushyan; P. Coelho; C. Colazo; M.V. Costa-Duarte; H. Cuevas Larenas; D.L. DePoy; M. Domínguez Romero; D. Dultzin; D. Fernández; J. García; C. Girardini; D.R. Goncalvez; T.S. Goncalves; S. Gurovich; Y. Jiménez-Teja; A. Kanaan; M. Lares; R. Lopes de Oliveira; O. López-Cruz; J.L. Marshall; R. Melia; A. Molino; N. Padilla; T. Peñuela; V.M. Placco; C. Quiñones; A. Ramírez Rivera; V. Renzi; L. Riguccini; E. Ríos-López; H. Rodriguez; L. Sampedro; M. Schneider; L. Sodr ; M. Starck; S. Torres-Flores; M. Tornatore; A. Zdrozny. Observations of the First Electromagnetic Counterpart to a Gravitational-wave Source by the TOROS Collaboration. *The Astrophysical Journal Letters*. 848, pp. L29 - L29. 10/2017.  
**Type of production:** Scientific paper **Format:** Journal
- 17** A. Molino; N. Benítez; B. Ascaso; D. Coe; M. Postman; S. Jovel; O. Host; O. Lahav; S. Seitz; E. Medezinski; P. Rosati; W. Schoenell; A. Koekemoer; Y. Jimenez-Teja; T. Broadhurst; P. Melchior; I. Balestra; M. Bartelmann; R. Bouwens; L. Bradley; N. Czakon; M. Donahue; H. Ford; O. Graur; G. Graves; C. Grillo; L. Infante; S.W. Jha; D. Kelson; R. Lazkoz; D. Lemze; D. Maoz; A. Mercurio; M. Meneghetti; J. Merten; L. Moustakas; M. Nonino; S. Orgaz; A. Riess; S. Rodney; J. Sayers; K. Umetsu; W. Zheng; A. Zitrin. CLASH: accurate photometric redshifts with 14 HST bands in massive galaxy cluster cores. *Monthly Notices of the Royal Astronomical Society*. 470, pp. 95 - 113. 09/2017.  
**Type of production:** Scientific paper **Format:** Journal
- 18** Y. Jiménez-Teja; R. Dupke. Disentangling the ICL with the CHEFs: Abell 2744 as a Case Study. *The Astrophysical Journal*. 820, pp. 49 - 49. 03/2016.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 19** Y. Jiménez-Teja; N. Benítez; A. Molino; C. A. C. Fernandes. Accurate PSF-matched photometry and photometric redshifts for the extreme deep field with the Chebyshev-Fourier functions. *Monthly Notices of the Royal Astronomical Society*. 453, pp. 1136 - 1146. 10/2015.  
**Type of production:** Scientific paper **Format:** Journal  
**Corresponding author:** Yes
- 20** M. Povic; I. Márquez; J. Masegosa; J. Perea; A. d. Olmo; C. Simpson; J. A. L. Aguerri; B. Ascaso; Y. Jiménez-Teja; C. López-Sanjuan; A. Molino; A. M. Pérez-García; K. Viironen; C. Husillos; D. Cristóbal-Hornillos; C. Caldwell; N. Benítez; E. Alfaro; T. Aparicio-Villegas; T. Broadhurst; J. Cabrera-Caño; F. J. Castander; J. Cepa; M. Cerviño; A. Fernández-Soto; R. M. G. Delgado; L. Infante; V. J. Martínez; M. Moles; F. Prada; J. M. Quintana.

The impact from survey depth and resolution on the morphological classification of galaxies. *Monthly Notices of the Royal Astronomical Society*. 453, pp. 1644 - 1668. 10/2015.

**Type of production:** Scientific paper

**Format:** Journal

- 21** B. Ascaso; N. Benítez; A. Fernández-Soto; P. Arnalte-Mur; C. López-Sanjuan; A. Molino; W. Schoenell; Y. Jiménez-Teja; A. I. Merson; M. Huertas-Company; L. A. Díaz-García; V. J. Martínez; A. J. Cenarro; R. Dupke; I. Márquez; J. Masegosa; L. Nieves-Seoane; M. Povic; J. Varela; K. Viironen; J. A. L. Aguerri; A. D. Olmo; M. Moles; J. Perea; E. Alfaro; T. Aparicio-Villegas; T. Broadhurst; J. Cabrera-Caño; F. J. Castander; J. Cepa; M. Cerviño; R. M. G. Delgado; D. Cristóbal-Hornillos; L. Hurtado-Gil; C. Husillos; L. Infante; F. Prada; J. M. Quintana. Galaxy clusters and groups in the ALHAMBRA survey. *Monthly Notices of the Royal Astronomical Society*. 452, pp. 549 - 565. 09/2015.

**Type of production:** Scientific paper

**Format:** Journal

- 22** C. López-Sanjuan; A. J. Cenarro; J. Varela; K. Viironen; A. Molino; N. Benítez; P. Arnalte-Mur; B. Ascaso; L. A. Díaz-García; A. Fernández-Soto; Y. Jiménez-Teja; I. Márquez; J. Masegosa; M. Moles; M. Povic; J. A. L. Aguerri; E. Alfaro; T. Aparicio-Villegas; T. Broadhurst; J. Cabrera-Caño; F. J. Castander; J. Cepa; M. Cerviño; D. Cristóbal-Hornillos; A. Del Olmo; R. M. González Delgado; C. Husillos; L. Infante; V. J. Martínez; J. Perea; F. Prada; J. M. Quintana. The ALHAMBRA survey: accurate merger fractions derived by PDF analysis of photometrically close pairs. *Astronomy & Astrophysics*. 576, pp. A53 - A53. 04/2015.

**Type of production:** Scientific paper

**Format:** Journal

- 23** R. J. Bouwens; L. Bradley; A. Zitrin; D. Coe; M. Franx; W. Zheng; R. Smit; O. Host; M. Postman; L. Moustakas; I. Labbé; M. Carrasco; A. Molino; M. Donahue; D. D. Kelson; M. Meneghetti; N. Benítez; D. Lemze; K. Umetsu; T. Broadhurst; J. Moustakas; P. Rosati; S. Jouvel; M. Bartelmann; H. Ford; G. Graves; C. Grillo; L. Infante; Y. Jimenez-Teja; O. Lahav; D. Maoz; E. Medezinski; P. Melchior; J. Merten; M. Nonino; S. Ogaz; S. Seitz. A Census of Star-forming Galaxies in the  $Z \sim 9-10$  Universe based on HST+Spitzer Observations over 19 Clash Clusters: Three Candidate  $Z \sim 9-10$  Galaxies and Improved Constraints on the Star Formation Rate Density at  $Z \sim 9.2$ . *The Astrophysical Journal*. 795, pp. 126 - 126. 11/2014.

**Type of production:** Scientific paper

**Format:** Journal

- 24** A. Alvarez-Candal; J. L. Ortiz; N. Morales; Y. Jiménez-Teja; R. Duffard; B. Sicardy; V. S. Dhillon; T. Marsh; S. Littlefair; S. Mottola; S. Hellmich; T. Shahbaz. Stellar occultation by (119951) 2002 KX<sub>14</sub> on April 26, 2012. *Astronomy & Astrophysics*. 571, pp. A48 - A48. 11/2014.

**Type of production:** Scientific paper

**Format:** Journal

- 25** L. D. Bradley; A. Zitrin; D. Coe; R. Bouwens; M. Postman; I. Balestra; C. Grillo; A. Monna; P. Rosati; S. Seitz; O. Host; D. Lemze; J. Moustakas; L. A. Moustakas; X. Shu; W. Zheng; T. Broadhurst; M. Carrasco; S. Jouvel; A. Koekemoer; E. Medezinski; M. Meneghetti; M. Nonino; R. Smit; K. Umetsu; M. Bartelmann; N. Benítez; M. Donahue; H. Ford; L. Infante; Y. Jimenez-Teja; D. Kelson; O. Lahav; D. Maoz; P. Melchior; J. Merten; A. Molino. CLASH: A Census of Magnified Star-forming Galaxies at  $z \sim 6-8$ . *The Astrophysical Journal*. 792, pp. 76 - 76. 09/2014.

**Type of production:** Scientific paper

**Format:** Journal

- 26** S. Fornasier; D. Lazzaro; A. Alvarez-Candal; C. Snodgrass; G. P. Tozzi; J. M. Carvano; Y. Jiménez-Teja; J. S. Silva; D. M. Bramich. The Centaur 10199 Chariklo: investigation into rotational period, absolute magnitude, and cometary activity. *Astronomy & Astrophysics*. 568, pp. L11 - L11. 08/2014.

**Type of production:** Scientific paper

**Format:** Journal

- 27** A. Molino; N. Benítez; M. Moles; A. Fernández-Soto; D. Cristóbal-Hornillos; B. Ascaso; Y. Jiménez-Teja; W. Schoenell; P. Arnalte-Mur; M. Povic; D. Coe; C. López-Sanjuan; L. A. Díaz-García; J. Varela; M. Stefanon; J. Cenarro; I. Matute; J. Masegosa; I. Márquez; J. Perea; A. Del Olmo; C. Husillos; E. Alfaro; T. Aparicio-Villegas; M. Cerviño; M. Huertas-Company; J. A. L. Aguerri; T. Broadhurst; J. Cabrera-Caño; J. Cepa; R. M. González; L. Infante; V. J. Martínez; F. Prada; J. M. Quintana. The ALHAMBRA Survey: Bayesian photometric redshifts with 23 bands for 3 deg. *Monthly Notices of the Royal Astronomical Society*. 441, pp. 2891 - 2922. 07/2014.

**Type of production:** Scientific paper

**Format:** Journal

- 28** R. Smit; R. J. Bouwens; I. Labbé; W. Zheng; L. Bradley; M. Donahue; D. Lemze; J. Moustakas; K. Umetsu; A. Zitrin; D. Coe; M. Postman; V. Gonzalez; M. Bartelmann; N. Benítez; T. Broadhurst; H. Ford; C. Grillo; L. Infante; Y. Jimenez-Teja; S. Jouvel; D. D. Kelson; O. Lahav; D. Maoz; E. Medezinski; P. Melchior; M. Meneghetti; J. Merten; A. Molino; L. A. Moustakas; M. Nonino; P. Rosati; S. Seitz. Evidence for Ubiquitous High-equivalent-width Nebular Emission in  $z \sim 7$  Galaxies: Toward a Clean Measurement of the Specific Star-formation Rate Using a Sample of Bright, Magnified Galaxies. *The Astrophysical Journal*. 784, pp. 58 - 58. 03/2014.  
**Type of production:** Scientific paper **Format:** Journal
- 29** S. Jouvel; O. Host; O. Lahav; S. Seitz; A. Molino; D. Coe; M. Postman; L. Moustakas; N. Benítez; P. Rosati; I. Balestra; C. Grillo; L. Bradley; A. Fritz; D. Kelson; A. M. Koekemoer; D. Lemze; E. Medezinski; A. Mercurio; J. Moustakas; M. Nonino; M. Scodreggio; W. Zheng; A. Zitrin; M. Bartelmann; R. Bouwens; T. Broadhurst; M. Donahue; H. Ford; G. Graves; L. Infante; Y. Jimenez-Teja; R. Lazkoz; P. Melchior; M. Meneghetti; J. Merten; S. Ogaz; K. Umetsu. CLASH: Photometric redshifts with 16 HST bands in galaxy cluster fields. *Astronomy & Astrophysics*. 562, pp. A86 - A86. 02/2014.  
**Type of production:** Scientific paper **Format:** Journal
- 30** A. Monna; S. Seitz; N. Greisel; T. Eichner; N. Drory; M. Postman; A. Zitrin; D. Coe; A. Halkola; S. H. Suyu; C. Grillo; P. Rosati; D. Lemze; I. Balestra; J. Snigula; L. Bradley; K. Umetsu; A. Koekemoer; U. Kuchner; L. Moustakas; M. Bartelmann; N. Benítez; R. Bouwens; T. Broadhurst; M. Donahue; H. Ford; O. Host; L. Infante; Y. Jimenez-Teja; S. Jouvel; D. Kelson; O. Lahav; E. Medezinski; P. Melchior; M. Meneghetti; J. Merten; A. Molino; J. Moustakas; M. Nonino; W. Zheng. CLASH:  $z \sim 6$  young galaxy candidate quintuply lensed by the frontier field cluster RXC J2248.7-4431. *Monthly Notices of the Royal Astronomical Society*. 438, pp. 1417 - 1434. 02/2014.  
**Type of production:** Scientific paper **Format:** Journal
- 31** E. Medezinski; K. Umetsu; M. Nonino; J. Merten; A. Zitrin; T. Broadhurst; M. Donahue; J. Sayers; J.-C. Waizmann; A. Koekemoer; D. Coe; A. Molino; P. Melchior; T. Mroczkowski; N. Czakon; M. Postman; M. Meneghetti; D. Lemze; H. Ford; C. Grillo; D. Kelson; L. Bradley; J. Moustakas; M. Bartelmann; N. Benítez; A. Biviano; R. Bouwens; S. Golwala; G. Graves; L. Infante; Y. Jiménez-Teja; S. Jouvel; O. Lahav; L. Moustakas; S. Ogaz; P. Rosati; S. Seitz; W. Zheng. CLASH: Complete Lensing Analysis of the Largest Cosmic Lens MACS J0717.5+3745 and Surrounding Structures. *The Astrophysical Journal*. 777, pp. 43 - 43. 11/2013.  
**Type of production:** Scientific paper **Format:** Journal
- 32** M. Povic; M. Huertas-Company; J. A. L. Aguerra; I. Márquez; J. Masegosa; C. Husillos; A. Molino; D. Cristóbal-Hornillos; J. Perea; N. Benítez; A. d. Olmo; A. Fernández-Soto; Y. Jiménez-Teja; M. Moles; E. Alfaro; T. Aparicio-Villegas; B. Ascaso; T. Broadhurst; J. Cabrera-Cañó; F. J. Castander; J. Cepa; M. Fernandez Lorenzo; M. Cerviño; R. M. G. Delgado; L. Infante; C. López-Sanjuan; V. J. Martínez; I. Matute; I. Oteo; A. M. Pérez-García; F. Prada; J. M. Quintana. The ALHAMBRA survey: reliable morphological catalogue of 22 051 early- and late-type galaxies. *Monthly Notices of the Royal Astronomical Society*. 435, pp. 3444 - 3461. 11/2013.  
**Type of production:** Scientific paper **Format:** Journal
- 33** D. Lemze; M. Postman; S. Genel; H. C. Ford; I. Balestra; M. Donahue; D. Kelson; M. Nonino; A. Mercurio; A. Biviano; P. Rosati; K. Umetsu; D. Sand; A. Koekemoer; M. Meneghetti; P. Melchior; A. B. Newman; W. A. Bhatti; G. M. Voit; E. Medezinski; A. Zitrin; W. Zheng; T. Broadhurst; M. Bartelmann; N. Benitez; R. Bouwens; L. Bradley; D. Coe; G. Graves; C. Grillo; L. Infante; Y. Jimenez-Teja; S. Jouvel; O. Lahav; D. Maoz; J. Merten; A. Molino; J. Moustakas; L. Moustakas; S. Ogaz; M. Scodreggio; S. Seitz. The Contribution of Halos with Different Mass Ratios to the Overall Growth of Cluster-sized Halos. *The Astrophysical Journal*. 776, pp. 91 - 91. 10/2013.  
**Type of production:** Scientific paper **Format:** Journal
- 34** D. Coe; K. Umetsu; A. Zitrin; M. Donahue; E. Medezinski; M. Postman; M. Carrasco; T. Anguita; M. J. Geller; K. J. Rines; A. Diaferio; M. J. Kurtz; L. Bradley; A. Koekemoer; W. Zheng; M. Nonino; A. Molino; A. Mahdavi; D. Lemze; L. Infante; S. Ogaz; P. Melchior; O. Host; H. Ford; C. Grillo; P. Rosati; Y. Jiménez-Teja; J. Moustakas; T. Broadhurst; B. Ascaso; O. Lahav; M. Bartelmann; N. Benítez; R. Bouwens; O. Graur; G. Graves; S. Jha; S. Jouvel; D. Kelson; L. Moustakas; D. Maoz; M. Meneghetti; J. Merten; A. Riess; S. Rodney; S. Seitz. CLASH: Precise



New Constraints on the Mass Profile of the Galaxy Cluster A2261. *The Astrophysical Journal*. 757, pp. 22 - 22. 09/2012.

**Type of production:** Scientific paper

**Format:** Journal

- 35** K. Umetsu; E. Medezinski; M. Nonino; J. Merten; A. Zitrin; A. Molino; C. Grillo; M. Carrasco; M. Donahue; A. Mahdavi; D. Coe; M. Postman; A. Koekemoer; N. Czakon; J. Sayers; T. Mroczkowski; S. Golwala; P. M. Koch; K.-Y. Lin; S. M. Molnar; P. Rosati; I. Balestra; A. Mercurio; M. Scodeggio; A. Biviano; T. Anguita; L. Infante; G. Seidel; I. Sendra; S. Jouvel; O. Host; D. Lemze; T. Broadhurst; M. Meneghetti; L. Moustakas; M. Bartelmann; N. Benítez; R. Bouwens; L. Bradley; H. Ford; Y. Jiménez-Teja; D. Kelson; O. Lahav; P. Melchior; J. Moustakas; S. Ogaz; S. Seitz; W. Zheng. CLASH: Mass Distribution in and around MACS J1206.2-0847 from a Full Cluster Lensing Analysis. *The Astrophysical Journal*. 755, pp. 56 - 56. 08/2012.

**Type of production:** Scientific paper

**Format:** Journal

- 36** A. Zitrin; P. Rosati; M. Nonino; C. Grillo; M. Postman; D. Coe; S. Seitz; T. Eichner; T. Broadhurst; S. Jouvel; I. Balestra; A. Mercurio; M. Scodeggio; N. Benítez; L. Bradley; H. Ford; O. Host; Y. Jimenez-Teja; A. Koekemoer; W. Zheng; M. Bartelmann; R. Bouwens; O. Czoske; M. Donahue; O. Graur; G. Graves; L. Infante; S. Jha; D. Kelson; O. Lahav; R. Lazkoz; D. Lemze; M. Lombardi; D. Maoz; C. McCully; E. Medezinski; P. Melchior; M. Meneghetti; J. Merten; A. Molino; L. A. Moustakas; S. Ogaz; B. Patel; E. Regoes; A. Riess; S. Rodney; K. Umetsu; A. Van der Wel. CLASH: New Multiple Images Constraining the Inner Mass Profile of MACS J1206.2-0847. *The Astrophysical Journal*. 749, pp. 97 - 97. 04/2012.

**Type of production:** Scientific paper

**Format:** Journal

- 37** M. Postman; D. Coe; N. Benítez; L. Bradley; T. Broadhurst; M. Donahue; H. Ford; O. Graur; G. Graves; S. Jouvel; A. Koekemoer; D. Lemze; E. Medezinski; A. Molino; L. Moustakas; S. Ogaz; A. Riess; S. Rodney; P. Rosati; K. Umetsu; W. Zheng; A. Zitrin; M. Bartelmann; R. Bouwens; N. Czakon; S. Golwala; O. Host; L. Infante; S. Jha; Y. Jimenez-Teja; D. Kelson; O. Lahav; R. Lazkoz; D. Maoz; C. McCully; P. Melchior; M. Meneghetti; J. Merten; J. Moustakas; M. Nonino; B. Patel; E. Regös; J. Sayers; S. Seitz; A. Van der Wel. The Cluster Lensing and Supernova Survey with Hubble: An Overview. *The Astrophysical Journal Supplement*. 199, pp. 25 - 25. 04/2012.

**Type of production:** Scientific paper

**Format:** Journal

- 38** Y. Jiménez-Teja; N. Benítez. A New Tool for Image Analysis Based on Chebyshev Rational Functions: CHEF Functions. *The Astrophysical Journal*. 745, pp. 150 - 150. 02/2012.

**Type of production:** Scientific paper

**Format:** Journal

**Corresponding author:** Yes

- 39** A. Zitrin; T. Broadhurst; D. Coe; K. Umetsu; M. Postman; N. Benítez; M. Meneghetti; E. Medezinski; S. Jouvel; L. Bradley; A. Koekemoer; W. Zheng; H. Ford; J. Merten; D. Kelson; O. Lahav; D. Lemze; A. Molino; M. Nonino; M. Donahue; P. Rosati; A. Van der Wel; M. Bartelmann; R. Bouwens; O. Graur; G. Graves; O. Host; L. Infante; S. Jha; Y. Jimenez-Teja; R. Lazkoz; D. Maoz; C. McCully; P. Melchior; L. A. Moustakas; S. Ogaz; B. Patel; E. Regoes; A. Riess; S. Rodney; S. Seitz. The Cluster Lensing and Supernova Survey with Hubble (CLASH): Strong-lensing Analysis of A383 from 16-band HST/WFC3/ACS Imaging. *The Astrophysical Journal*. 742, pp. 117 - 117. 12/2011.

**Type of production:** Scientific paper

**Format:** Journal

- 40** J. Merten; D. Coe; R. Dupke; R. Massey; A. Zitrin; E. S. Cypriano; N. Okabe; B. Frye; F. G. Braglia; Y. Jiménez-Teja; N. Benítez; T. Broadhurst; J. Rhodes; M. Meneghetti; L. A. Moustakas; Jr. L. Sodré; J. Krick; J. N. Bregman. Creation of cosmic structure in the complex galaxy cluster merger Abell 2744. *Monthly Notices of the Royal Astronomical Society*. 417, pp. 333 - 347. 10/2011.

**Type of production:** Scientific paper

**Format:** Journal

- 41** A. Zitrin; T. Broadhurst; K. Umetsu; Y. Rephaeli; E. Medezinski; L. Bradley; Y. Jiménez-Teja; N. Benítez; H. Ford; J. Liesenborgs; S. de Rijcke; H. Dejonghe; P. Bekaert. Full lensing analysis of Abell 1703: comparison of independent lens-modelling techniques. *Monthly Notices of the Royal Astronomical Society*. 408, pp. 1916 - 1927. 11/2010.

**Type of production:** Scientific paper

**Format:** Journal



- 42** Maria Eva Ramírez Rodríguez; Yolanda Jiménez Teja; María José González Fuentes; Manuel Berrocoso Domínguez; Sanchez-Francisco, Manuel. A New Data Analysis Technique on the Study of Mutual Event Lightcurves. *Astronomy & Astrophysics*. 448 - 3, pp. 1197 - 1206. 2006. Available on-line at: <<http://dx.doi.org/10.1051/0004-6361:20041438>>. ISSN 0004-6361  
**Type of production:** Scientific paper  
**Impact source:** ISI  
**Impact index in year of publication:** 3.971
- 43** Manuel Berrocoso Domínguez; Alberto Fernández Ros; Maria Eva Ramírez Rodríguez; Jose Manuel Enríquez de Salamanca García; Cristina Torrecillas Lozano; Alejandro Pérez Peña; Raul Páez Jiménez; Garcia-García, Alicia; Yolanda Jiménez Teja; Garcia-García, F.; Soto-Fernandez, Rafael; Jorge Gárate Pasquin; Jose Martín Dávila; Alberto Sánchez Alzola; Juan Antonio Fernández Prada; Bismarck Jigena Antelo. Geodetic Research on Deception Island and its Environment (South Shetland Islands, Bransfield Sea and Antarctic Peninsula) During Spanish Antarctic Campaigns (1987-2007). *Geodetic and Geophysical Observations in Antarctica*. 1, pp. 98 - 124. 2008. Available on-line at: <[3ec459cb-0d22-43ee-8501-ccee2d28d56a](https://doi.org/10.1007/978-3-540-74881-6)>. ISBN 978-3-540-74881-6  
**Type of production:** Book chapter  
**Format:** Book
- 44** Manuel Berrocoso Domínguez; Yolanda Jiménez Teja; Jose Manuel Enríquez de Salamanca García; Maria Eva Ramírez Rodríguez. Analysis and Comparison of the Different Mathematical Techniques for the Establishment of Physical Reference Frames and its Application to Deception Island (Antarctica). *Computational and Mathematical Methods on Science and Engineering*. 1, pp. 121 - 124. 2006. Available on-line at: <[ac9378a9-0827-4d0f-bd04-96c20299dce0](https://doi.org/10.1007/978-3-540-74881-6)>. ISBN 84-611-1090-0  
**Type of production:** Book chapter  
**Format:** Book
- 45** Manuel Berrocoso Domínguez; Maria Eva Ramírez Rodríguez; Alberto Fernández Ros; Yolanda Jiménez Teja. Crustal Deformation Model in Volcanic Areas. An Application to Deception Island Volcano (South Shetland Islands, Antarctica). *Computational and Mathematical Methods on Science and Engineering*. 1, pp. 116 - 120. 2006. Available on-line at: <[bbcfff7-29af-4bba-a1aa-21c82fe971e5](https://doi.org/10.1007/978-3-540-74881-6)>. ISBN 84-611-1090-0  
**Type of production:** Book chapter  
**Format:** Book
- 46** Manuel Berrocoso Domínguez; Alberto Fernández Ros; Cristina Torrecillas Lozano; Jose Manuel Enríquez de Salamanca García; Maria Eva Ramírez Rodríguez; Alejandro Pérez Peña; María José González Fuentes; Raul Paez Jiménez; Yolanda Jiménez Teja; Garcia-García, Alicia; Tarraga-Enamorado, Marta; Garcia-García, F.. Geodetic Research on Deception Island. *Antarctica: Contributions to Global Earth Sciences*. XXVIII, pp. 7 - 7. Springer-Verlag, 2006. ISBN 3-540-30673-0  
**Type of production:** Book chapter  
**Format:** Book  
**Corresponding author:** Yes
- 47** Manuel Berrocoso Domínguez; Maria Boyano; P Fernández; Jose Antonio Fernández Prada; Alberto Fernández Ros; Santiago García López; Yolanda Jiménez Teja; Ceferina Navarro; Raul Paez; Verónica Pérez; Alejandro Pérez Peña; Maria Eva Ramírez Rodríguez; Cristina Torrecillas. Aplicación de Sistemas de Geolocalización. *Aplicación de Sistemas de Geolocalización*. pp. 1 - 1. Servicio de Publicaciones de la Universidad de Cádiz, 2005. ISBN 84-9828-052-4  
**Type of production:** Scientific book or monograph  
**Format:** Book  
**Corresponding author:** No
- 48** María José González Fuentes; Maria Eva Ramírez Rodríguez; Manuel Berrocoso Domínguez; Yolanda Jiménez Teja. *Del Analisis de Fourier a la Teoría de Wavelets*. Universidad de Cádiz, 2004. ISBN 84-96274-49-7  
**Type of production:** Scientific book or monograph  
**Format:** Book  
**Corresponding author:** No



- 49** Felipe F. Melo; Valeria C.F. Barbosa; Yolanda Jiménez-Teja. 2D discrete wavelet transform for denoising aeromagnetic data. SEG Technical Program Expanded Abstracts 2018. pp. 1469 - 1473. Society of Exploration Geophysicists, 2018. ISSN 1949-4645  
**Type of production:** Conference Proceedings **Format:** Book
- 50** Yolanda Jiménez Teja. CHEF Polar Basis for Astronomical Data Analysis. CHEF Polar Basis for Astronomical Data Analysis. Universidad de Granada, 2011. ISBN 978-84-694-2497-1  
**Type of production:** Tesis **Format:** Book  
**Corresponding author:** Yes

## R&D management and participation in scientific committees

### Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Referee  
**Entity where activity was carried out:** The Astrophysical Journal  
**Start date:** 01/04/2018
- 2** **Performed tasks:** Referee  
**Entity where activity was carried out:** Pattern Recognition Letters  
**Start date:** 01/02/2018

## Other achievements

### Scientific societies and professional associations

- 1** **Name of the society:** European Astronomical Society  
**Affiliation entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start date:** 31/03/2021
- 2** **Name of the society:** Sociedad Española de Astronomía  
**Affiliation entity:** Instituto de Astrofísica de Andalucía **Type of entity:** State agency  
**City affiliation entity:** Granada, Andalusia, Spain  
**Start date:** 15/02/2008