



**Jesús Ángel Sánchez
Navarro**

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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.

pHD degree in Biology at the Murcia University (1998). I was working as head of the Plant Health Department of the Barberet & Blanc, S.L. (1997-1998). After this period, I was specialized in Molecular and Cellular Biology of plant viruses at the Gorlaeus Laboratory of the University of Leiden in the Netherlands with Prof. J.F. Bol , through a contract from the European Marie Curie program (1998-2001). I joined postdoctoral contract (Marie Curie and Ramón y Cajal Programs) (2001-2007) at the Institute of Molecular and Cellular Plant Biology (IBMCP) in Valencia, where he launched a new line of research based on the characterization of viral transport with special emphasis on viruses assigned to the 30K family. From 2007, I've got a permanent position as Senior Scientist at the IBMCP. My current interest lies in the study of the intercellular and vascular translocation routes of viruses belonging to the 30k family and the interactions of viral proteins with host factors, as a possible source of viral resistance. Along with the main research line, I also encompass parallel lines aimed at characterizing the advantages of viruses with a segmented genome versus single-partite viruses, using the alfalfa mosaic virus (AMV) model system as well as in the development of broad-spectrum viral detection methodologies. During my research stage at IBMCP I was established collaborations with research groups from Italy, Brazil, Chile, Mexico and Spain. I participated in 34 research projects and in 13 agreements with companies. I published more than 85 ISI articles in prestigious international journals and other articles for the dissemination of research in the educational, cultural and social fields and I has patented 5 inventions.

I participated in various National and International Evaluation and Prospective Committees (ANEP, COLCIENCIAS) and I was member of the Board of Directors of the Spanish Society of Phytopathology (2014-2018) as well as of the Scientific Committees of the congresses of the Spanish Society of Phytopathology held in 2016, 2018 and 2020.

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.

ResearcherID: K-8787-2014

ORCID iD: <https://orcid.org/0000-0002-3320-2827>

Number of six-year research periods: 4. Date of the last six-year period: 2018.

No. Theses supervised in the last 10 years: 2

No. Master Thesis supervised in the last 10 years: 7

Total ISI Publications: 92 (ORCID)

ISI publications last 10 years: 49 (ORCID)

Total publications first quartile (Q1): 53.

Total Citations: 1647 (Web of Science); 2621 (Google Scholar)

Citations / Year during the last 5 years: 122.8 (Web of Science); 198.4 (Google Scholar)

H index: 25 (Web of Science); 30 (Google Scholar)

Index i10: 51 (Google Scholar)

Patents: 5

Jesús Ángel Sánchez Navarro

Surname(s): **Sánchez Navarro**
Name: **Jesús Ángel**
ORCID: **0000-0002-3320-2827**
ScopusID: **7003488112**
ResearcherID: **K-8787-2014**
Gender: **Male**
Nationality: **Spain**
Contact aut. region/reg.: **Valencian Community**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas
Type of entity: State agency
Department: VIROLOGÍA MOLECULAR Y EVOLUTIVA DE PLANTAS, Instituto de Biología Molecular y Celular de Plantas (CSIC-UPV)
Professional category: Scientific Researcher
Start date: 17/06/2007
Type of contract: Civil servant
Dedication regime: Full time
Primary (UNESCO code): 310809 - Viruses
Secondary (UNESCO code): 310808 - Plant susceptibility, resistance
Identify key words: Virology; Viral pathogens of plants

Previous positions and activities

	Employing entity	Professional category	Start date
1	Instituto de Biología molecular y Celular de plantas (IBMCP-CSIC)	Investigador Posdoctoral, contrato Ramón y Cajal	01/06/2002
2	Instituto de Biología molecular y Celular de plantas (IBMCP-CSIC)	Investigador Posdoctoral, contrato reincorporación Marie Curie	01/06/2001
3	Gorlaeus laboratories, Universidad Leiden-Holanda	Investigador Posdoctoral, contrato Marie Curie	01/03/1998
4	Empresa Barberet & Blanc, S.A.	Responsable sección 'Sanidad y Control Viral'	01/06/1996
5	Centro de Edafología Aplicada del Segura (CEBAS-CSIC)	Becario Predoctoral	01/12/1992
6	Gorlaeus laboratories, Universidad Leiden-Holanda	Becario Predoctoral	01/11/1995

- 1** **Employing entity:** Instituto de Biología molecular y Celular de plantas (IBMCP-CSIC) **Type of entity:** Public Research Body
Professional category: Investigador Posdoctoral, contrato Ramón y Cajal
Start-End date: 01/06/2002 - 31/05/2007 **Duration:** 5 years



- 2** **Employing entity:** Instituto de Biología molecular y Celular de plantas (IBMCP-CSIC) **Type of entity:** Public Research Body
Professional category: Investigador Posdoctoral, contrato reincorporación Marie Curie
Start-End date: 01/06/2001 - 31/05/2002 **Duration:** 1 year
- 3** **Employing entity:** Gorlaeus laboratories, Universidad Leiden-Holanda **Type of entity:** University
Professional category: Investigador Posdoctoral, contrato Marie Curie
Start-End date: 01/03/1998 - 30/11/2000 **Duration:** 2 years - 9 months
- 4** **Employing entity:** Empresa Barberet & Blanc, S.A. **Type of entity:** Business
Professional category: Responsable sección 'Sanidad y Control Viral'
Start-End date: 01/06/1996 - 31/01/1998 **Duration:** 20 months
- 5** **Employing entity:** Centro de Edafología Aplicada del Segura (CEBAS-CSIC) **Type of entity:** Public Research Body
Professional category: Becario Predoctoral
Start-End date: 01/12/1992 - 31/05/1996 **Duration:** 3 years - 6 months
- 6** **Employing entity:** Gorlaeus laboratories, Universidad Leiden-Holanda **Type of entity:** University
Professional category: Becario Predoctoral
Start-End date: 01/11/1995 - 28/02/1996 **Duration:** 4 months



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Biológicas Especialidad Bioquímica

Degree awarding entity: Facultad de Biología - Universidad de Valencia

Date of qualification: 1991

Doctorates

Doctorate programme: Genética y biología celular

Degree awarding entity: Facultad de Biología
(Universidad de Murcia)

Type of entity: University

Date of degree: 1998

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	B2	B2	B2	B2	B2
French	C1	B2	C1	C1	B2

Teaching experience

General teaching experience

Type of teaching: Official teaching

Name of the course: INTERACCIÓN PLANTA-PATÓGENO

Type of programme: Master's degree

Type of teaching: Laboratory work

Type of subject: Core

University degree: Master de Biotecnología Molecular y Celular de Plantas – Universidad Politécnica de Valencia

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 10

Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute

City of entity: Valencia, Valencian Community, Spain

Subject language: Spanish



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Involvement of the host RNA N6-adenosine methylation (m6A) pathway in the infection cycle of Alfalfa mosaic virus
Entity: Universitat Politècnica de València **Type of entity:** University
Student: Mireya Martínez Pérez
Date of reading: 23/10/2020
- 2** **Project title:** Caracterización de supresores del silenciamiento génico del virus C de la leprosis de los cítricos
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: Deibis Yorlenis Ortega Castro
Date of reading: 28/01/2020
- 3** **Project title:** Desarrollo de vectores virales basados en el virus del mosaico de la alfalfa y/o el virus del mosaico del melocotonero para el silenciamiento de genes de interés en planta
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: David Villar Álvarez
Date of reading: 28/01/2020
- 4** **Project title:** Identificación de variantes de la proteína de movimiento del virus del bronceado del tomate (Tomato spotted wilt virus, TSWV) que superan la resistencia mediada por el gen Sw-5b.
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: Jesús Lucas García
Date of reading: 31/01/2019
- 5** **Project title:** Caracterización de factores celulares involucrados en el transporte viral y en la interacción de la proteína de movimiento del virus del bronceado del tomate (Tomato spotted wilt virus) con la proteína codificada por el gen de resistencia Sw-5b.
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: Andrea M. Torruella Naranjo
Date of reading: 31/01/2018
- 6** **Project title:** Detección e identificación de begomovirus en España. Variabilidad genética de aislados de ToLCNDV de la Comunidad Valenciana
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: Micaela Landeira González
Date of reading: 01/09/2016
- 7** **Project title:** IProteínas de movimiento de la familia 30K:interacción con membranas biológicas y factores proteicos y su implicación en el transporte viral
Entity: Universitat Politècnica de València **Type of entity:** University
Student: Ana Peiró Morell
Date of reading: 04/12/2014



- 8** **Project title:** Determinación de la estructura primaria del Virus latente del clavel e identificación de regiones reguladoras esenciales en el ciclo de infección
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** University Research Institute
Student: Sergio Galindo Trigo
Date of reading: 17/09/2014
- 9** **Project title:** Caracterización molecular de la proteína de movimiento del Virus del torrado del tomate (ToTV)
Entity: Instituto Universitario Mixto de Biología Molecular y Celular de Plantas (CSIC-UPV) **Type of entity:** Public Research Body
Student: Desamparados Hernández Llopis
Date of reading: 15/04/2014

Teaching experience in courses and seminars for university teacher training

- 1** **Type of event:** Workshop
Name of the event: Determinación de virus en vid, Viticultura actual
Organising entity: Escuela de Viticultura y Enología de Requena – Diputación de Valencia **Type of entity:** Technological Centre
Hours of teaching: 5
Teaching date: 10/05/2017
- 2** **Type of event:** Workshop
Name of the event: Determinación de virus en vid, Viticultura actual
Organising entity: Escuela de Viticultura y Enología de Requena – Diputación de Valencia **Type of entity:** Technological Centre
Hours of teaching: 5
Teaching date: 20/04/2016
- 3** **Type of event:** Workshop
Name of the event: Detección de los principales virus y viroides en la vid
Organising entity: Escuela de Viticultura y Enología de Requena – Diputación de Valencia **Type of entity:** Technological Centre
Hours of teaching: 5
Teaching date: 30/04/2014
- 4** **Type of event:** Workshop
Name of the event: Detección de los principales virus y viroides en la vid
Organising entity: Escuela de Viticultura y Enología de Requena – Diputación de Valencia **Type of entity:** Technological Centre
Hours of teaching: 5
Teaching date: 29/05/2013

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:** Interacciones RNA-proteína y proteína-proteína en procesos de desarrollo y patogenesis mediados por virus y agentes subvirales en cultivos de interés

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera **Type of entity:** State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Vicente Pallás Benet

Nº of researchers: 4

Funding entity or bodies: Conselleria d'Educació i Cultura **Type of entity:** PROMETEO 2015-010)

Start-End date: 01/05/2015 - 31/12/2018

Total amount: 156.400 €
- 2** **Name of the project:** Interacciones entre factores virales y del huésped implicados en los procesos de movimiento y patogénesis en cultivos de interés agronómico

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Vicente Pallás Benet; Jesús Ángel Sánchez Navarro

Nº of researchers: 3

Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** PROGRAMA ESTATAL DE I+D+I ORIENTADA A LOS RETOS DE LA SOCIEDAD - PLAN ESTATAL DE INVESTIGACIÓN CIENTÍFICA Y TÉCNICA Y DE INNOVACIÓN 2013-2016

Start-End date: 01/01/2015 - 31/12/2018

Total amount: 314.600 €
- 3** **Name of the project:** Determinación del estado fitosanitario de las variedades de cava de Requena mediante el desarrollo de una polisonda para la detección polivalente de 14 virus y 5 viroides

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera **Type of entity:** State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro

Nº of researchers: 2

Funding entity or bodies: FUNDACIÓN CIUDAD DE REQUENA **Type of entity:** Foundation

City funding entity: Requena, Valencian Community, Spain

Start-End date: 05/10/2016 - 04/10/2017

Total amount: 9.000 €

4 Name of the project: TRAFICO INTRACELULAR, INTERCELULAR Y VASCULAR DE RNAS Y PROTEINAS VIRALES Y SUBVIRALES EN PLANTAS¿

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Vicente Pallás

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: SUBPROGRAMA DE PROYECTOS DE INVESTIGACION FUNDAMENTAL NO ORIENTADA.- BIOTECNOLOGIA. PLAN NACIONAL DE I+D+I (2008-2011)

Start-End date: 01/01/2012 - 30/06/2015

Total amount: 308.550 €

5 Name of the project: Identificación y caracterización de macromoléculas floemáticas asociadas al transporte sistémico de RNAs endógenos y patogénicos y a la señal de silenciamiento génico en miembros de la familia Cucurbitaceae

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Vicente Pallás Benet

Nº of researchers: 4

Funding entity or bodies:

Conselleria d'Educació i Cultura

Type of entity: PROMETEO 2011-003

Start-End date: 01/05/2011 - 01/05/2014

Total amount: 120.000 €

6 Name of the project: Caracterización molecular de los determinantes genéticos del virus del bronceado del tomate (Tomato spotted wilt virus, TSWV) responsable de superar la resistencia mediada por el gen Sw-5

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro

Nº of researchers: 1

Funding entity or bodies:

Universidad Politécnica de Valencia

Type of entity: University

City funding entity: Valencia, Valencian Community, Spain

Start-End date: 01/01/2012 - 31/12/2012

Total amount: 6.000 €

7 Name of the project: OPTIMIZACIÓN DE LA DETECCIÓN Y CARACTERIZACIÓN GENÉTICA DE LOS VIRUS Y VIROIDES QUE AFECTAN A LA VID

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Nicola Fiore; Jesús Ángel Sánchez Navarro



Nº of researchers: 5

Funding entity or bodies:

Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Start-End date: 01/01/2011 - 31/12/2012

Total amount: 6.000 €

- 8 Name of the project:** Aplicación industrial de la detección polivalente de doce virus que afectan al cultivo del clavel y de gerbera mediante el uso de polisondas

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro

Nº of researchers: 1

Start-End date: 01/01/2009 - 31/12/2009

Total amount: 7.400 €

- 9 Name of the project:** Estudios sobre las rutas y mecanismos de translocación intercelular, vascular y transmisión de patógenos virales y subvirales que afectan a frutales de hueso y ornamentales en España

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Vicente Pallças Benet

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Programa Biotechnología (BIO 2002-04099-C02)

Start-End date: 02/12/2002 - 02/12/2005

Total amount: 162.610 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1 Name of the project:** ACTUALIZACIÓN DE LA TECNOLOGÍA DE POLISONDAS PARA LA DETECCIÓN INDIVIDUAL Y POLIVALENTE DE LOS PRINCIPALES VIRUS Y VIROIDES QUE AFECTAN A LOS CULTIVOS DE CLAVEL, GERBERA, PETUNIA Y CRISANTEMO

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro

Nº of researchers: 2

Participating entity/entities: Barberet & Blanc, S.A.; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Start date: 01/07/2022

Duration: 3 years

Total amount: 48.000 €

- 2 Name of the project:** Mejora de la sensibilidad de la tecnología de polisondas en el análisis rutinario de los principales virus y viroides que afectan a los cultivos de clavel, gerbera, petunia y crisantemo

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro

Nº of researchers: 2

Participating entity/entities: Barberet & Blanc, S.A.; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

**Start date:** 01/09/2019**Duration:** 3 years**Total amount:** 48.000 €

- 3** **Name of the project:** Aplicación de la tecnología de polisondas en el análisis rutinario de los principales virus y viroides que afectan al cultivo del pimiento
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro
Nº of researchers: 2
Participating entity/entities: Instituto Vasco de Investigación y Desarrollo Agrario; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera
Start date: 09/11/2018 **Duration:** 1 year
Total amount: 12.133 €
- 4** **Name of the project:** LA APLICACIÓN DE LAS POLISONDAS EN EL ANÁLISIS RUTINARIO DE LOS PRINCIPALES VIRUS Y VIROIDES QUE AFECTAN AL CULTIVO DE FRUTALES
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Vicente Pallás Benet
Nº of researchers: 4
Participating entity/entities: Empresa INVISA; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera
Start date: 01/10/2016 **Duration:** 2 years
Total amount: 8.500 €
- 5** **Name of the project:** Optimización de la tecnología de polisondas en el análisis rutinario de los principales virus y viroides que afectan a los cultivos de clavel, gerbera, petunia y crisantemo
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro
Nº of researchers: 2
Participating entity/entities: Barberet & Blanc, S.A.; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera
Start date: 01/07/2016 **Duration:** 3 years
Total amount: 45.000 €
- 6** **Name of the project:** APLICACION DE LAS POLISONDAS EN EL ANALISIS RUTINARIO DE LOS PRINCIPALES VIRUS Y VIROIDES QUE AFECTAN AL CULTIVO DE PETUNIA Y CRISANTEMO
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Jesús Ángel Sánchez Navarro
Nº of researchers: 2
Participating entity/entities: Barberet & Blanc, S.A.; Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera
Start date: 02/11/2015 **Duration:** 2 years
Total amount: 30.000 €

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** MÉTODO Y KIT PARA DETECTAR VIRUS QUE PERTENECEN AL GÉNERO POTYVIRUS
Inventors/authors/obtainers: Jesús Ángel Sánchez Navarro; Vicente Pallás Benet
Entity holder of rights: CONSEJO SUPERIOR INVESTIGACIONES CIENTÍFICAS - UNIVERSIDAD DE VALENCIA
Nº of application: PCT/ES2017/070259
Country of inscription: Spain
Date of register: 27/05/2017
Conferral date: 01/11/2018
- 2** **Title registered industrial property:** 'Detecting viruss for use in controlling viral contamination in plants and animals and for controlling pollution in plants in nurseries, involves using polyprobes, which comprise more than two fragments of DNA or RNA'
Inventors/authors/obtainers: Vicente Pallás Benet; Jesús Ángel Sánchez Navarro; María Carmen Herranz; Frederic Aparicio
Entity holder of rights: CONSEJO SUPERIOR INVESTIGACIONES CIENTIF
Nº of application: ES2331768-A1
Country of inscription: Spain
Date of register: 01/03/2007
Conferral date: 14/01/2010
- 3** **Title registered industrial property:** Detecting viral genome sequence for use in controlling viral contamination and for controlling pollution in plants in nurseries, involves using polyprobes, which comprises more than two fragments of DNA or RNA'
Inventors/authors/obtainers: Vicente Pallás Benet; Jesús Ángel Sánchez Navarro; María Carmen Herranz; Frederic Aparicio
Entity holder of rights: CONSEJO SUPERIOR INVESTIGACIONES CIENTIF
Nº of application: ES2331550-A1
Country of inscription: Spain
Date of register: 01/03/2007
Conferral date: 07/01/2010
- 4** **Title registered industrial property:** 'Incremento de la expression de secuencias recombinants en eucariotas'
Inventors/authors/obtainers: Jesús Ángel Sánchez Navarro; Inmaculada García Robles; Marcos De la Peña
Entity holder of rights: CONSEJO SUPERIOR INVESTIGACIONES CIENTÍFICAS - UNIVERSIDAD DE VALENCIA
Nº of application: P0201030569
Country of inscription: Spain
Date of register: 19/04/2010
Conferral date: 07/01/2010



5 Title registered industrial property: Simultaneous detection and identification of specific pepino mosaic virus (PepMV) isolates in a plant sample comprises extraction of total RNA, RNA analysis, identification of amplification products, and digestion with restriction enzymes

Inventors/authors/obtainers: ALFARO FERNANDEZ A; CEBRIAN MICO M D C; CORDOBA SELLES C; GARCIA RANDEZ A; JORDA GUTIERREZ M C; PALLAS BENET V; SANCHEZ NAVARRO J A; CEBRIAN MICO M C

Entity holder of rights: UNIV VALENCIA POLITECNICA

Nº of patent: WO2009083623-A1; WO2009083623-A4; ES2334533-A1; ES2334533-B2

Scientific and technological activities

Scientific production

H index: 25

Date of application: 10/12/2020

Publications, scientific and technical documents

- 1** Spontaneous Mutation in the Movement Protein of Citrus Leprosis Virus C2, in a Heterologous Virus Infection Context, Increases Cell-to-Cell Transport and Generates Fitness Advantage. 2022.
Type of production: Scientific paper
- 2** Membrane Association and Topology of Citrus Leprosis Virus C2 Movement and Capsid Proteins. 2021.
Type of production: Scientific paper
- 3** Regulatory circuits involving bud dormancy factor PpeDAM6. 2021.
Type of production: Scientific paper
- 4** The mitochondrial and chloroplast dual targeting of a multifunctional plant viral protein modulates chloroplast-to-nucleus communication, RNA silencing suppressor activity, encapsidation, pathogenesis and tissue tropism. 2021.
Type of production: Scientific paper
- 5** Unravelling the involvement of cilevirus p32 protein in the viral transport. 2021.
Type of production: Scientific paper
- 6** M.O. Leastro; D.Y.O. Castro; J. Freitas-Astúa; E.W. Kitajima; V. Pallás; J.Á. Sánchez-Navarro. Citrus Leprosis Virus C Encodes Three Proteins With Gene Silencing Suppression Activity. *Frontiers in Microbiology*. 11, 2020. Available on-line at: <<http://dx.doi.org/10.3389/fmicb.2020.01231>>.
Type of production: Scientific paper
Position of signature: 6
Impact source: SCOPUS
Impact index in year of publication: 1.69
Source of citations: SCOPUS
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Citations: 2

- 7** M.O. Leastro; J. Freitas-Astúa; E.W. Kitajima; V. Pallás; J. Sánchez-Navarro. Dichorhavirus Movement Protein and Nucleoprotein Form a Protein Complex That May Be Required for Virus Spread and Interacts in vivo With Viral Movement-Related Cilevirus Proteins. *Frontiers in Microbiology*. 11, 2020. Available on-line at: <<http://dx.doi.org/10.3389/fmicb.2020.571807>>.
- Type of production:** Scientific paper
Position of signature: 5
- Impact source:** SCOPUS
Impact index in year of publication: 1.69
- Source of citations:** SCOPUS
Citations: 0
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 8** H. Salgado-Ortíz; R. De La Torre-Almaraz; J.Á. Sánchez-Navarro; V. Pallás. Identification and genomic characterization of a novel tobamovirus from prickly pear cactus. *Archives of Virology*. 165 - 3, pp. 781 - 784. 2020. Available on-line at: <<http://dx.doi.org/10.1007/s00705-020-04528-3>>.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 0.933
- Source of citations:** SCOPUS
Citations: 0
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 9** F. Gil-Muñoz; J.A. Sánchez-Navarro; C. Besada; A. Salvador; M.L. Badenes; M.M. Naval; G. Ríos. MBW complexes impinge on anthocyanidin reductase gene regulation for proanthocyanidin biosynthesis in persimmon fruit. *Scientific Reports*. 10 - 1, 2020. Available on-line at: <<http://dx.doi.org/10.1038/s41598-020-60635-w>>.
- Type of production:** Scientific paper
Position of signature: 2
- Impact source:** SCOPUS
Impact index in year of publication: 1.341
- Source of citations:** SCOPUS
Citations: 2
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 10** M. Martínez-Pérez; J.A. Navarro; V. Pallás; J.A. Sánchez-Navarro. A sensitive and rapid RNA silencing suppressor activity assay based on alfalfa mosaic virus expression vector. *Virus Research*. 272, 2019. Available on-line at: <<http://dx.doi.org/10.1016/j.virusres.2019.197733>>.
- Type of production:** Scientific paper
Position of signature: 4
- Impact source:** SCOPUS
Impact index in year of publication: 1.194
- Source of citations:** SCOPUS
Citations: 2
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 11** J.L. Carrasco; J.A. Sánchez-Navarro; S.F. Elena. Exploring the role of cellular homologous of the 30K-superfamily of plant virus movement proteins. *Virus Research*. 262, pp. 54 - 61. 2019. Available on-line at: <<http://dx.doi.org/10.1016/j.virusres.2018.02.015>>.
- Type of production:** Scientific paper
Position of signature: 2
- Impact source:** SCOPUS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact index in year of publication: 1.194

Source of citations: SCOPUS

Citations: 0

- 12** R. De La Torre-Almaráz; V. Pallás; J.A. Sánchez-Navarro. Molecular characterization of a new trichovirus from peach in Mexico. Archives of Virology. 164 - 10, pp. 2617 - 2620. 2019. Available on-line at: <<http://dx.doi.org/10.1007/s00705-019-04358-y>>.

Type of production: Scientific paper

Position of signature: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.933

Source of citations: SCOPUS

Citations: 1

- 13** J.Á. Sánchez-Navarro; L. Corachán; I. Font; A. Alfaro-Fernández; V. Pallás. Polyvalent detection of twelve viruses and four viroids affecting tomato by using a unique polyprobe. European Journal of Plant Pathology. 155 - 1, pp. 361 - 368. 2019. Available on-line at: <<http://dx.doi.org/10.1007/s10658-019-01763-6>>.

Type of production: Scientific paper

Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.679

Source of citations: SCOPUS

Citations: 2

- 14** J.A. Sánchez-Navarro; C.N. Cooper; V. Pallás. Polyvalent detection of members of the genus potyvirus by molecular hybridization using a genus-probe. Phytopathology. 108 - 12, pp. 1522 - 1529. 2018. Available on-line at: <<http://dx.doi.org/10.1094/PHYTO-04-18-0146-R>>.

Type of production: Scientific paper

Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.229

Source of citations: SCOPUS

Citations: 4

- 15** V. Pallás; J.A. Sánchez-Navarro; D. James. Recent advances on the multiplex molecular detection of plant viruses and viroids. Frontiers in Microbiology. 9 - SEP, 2018. Available on-line at: <<http://dx.doi.org/10.3389/fmicb.2018.02087>>.

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.69

Source of citations: SCOPUS

Citations: 14

- 16** M. Martínez-Pérez; F. Aparicio; M.P. López-Gresa; J.M. Bellés; J.A. Sánchez-Navarro; V. Pallás. Arabidopsis m⁶A demethylase activity modulates viral infection of a plant virus and the m⁶A abundance in its genomic RNAs. Proceedings of the National Academy of Sciences of the United States of America. 114 - 40, pp. 10755 - 10760. 2017. Available on-line at: <<http://dx.doi.org/10.1073/pnas.1703139114>>.

Type of production: Scientific paper

Position of signature: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 5.165

Source of citations: SCOPUS

Citations: 62

- 17** M. Rubio; P. Martínez-Gómez; A. Marais; J.A. Sánchez-Navarro; V. Pallás; T. Candresse. Recent advances and prospects in Prunus virology. *Annals of Applied Biology*. 171 - 2, pp. 125 - 138. 2017. Available on-line at: <<http://dx.doi.org/10.1111/aab.12371>>.

Type of production: Scientific paper

Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.713

Source of citations: SCOPUS

Citations: 16

- 18** E. Bueso; R. Serrano; V. Pallás; J.A. Sánchez-Navarro. Seed tolerance to deterioration in arabidopsis is affected by virus infection. *Plant Physiology and Biochemistry*. 116, pp. 1 - 8. 2017. Available on-line at: <<http://dx.doi.org/10.1016/j.plaphy.2017.04.020>>.

Type of production: Scientific paper

Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.11

Source of citations: SCOPUS

Citations: 7

- 19** M.O. Leastro; A.S. De Oliveira; V. Pallás; J.A. Sánchez-Navarro; R. Kormelink; R.O. Resende. The NSm proteins of phylogenetically related tospoviruses trigger Sw-5b-mediated resistance dissociated of their cell-to-cell movement function. *Virus Research*. 240, pp. 25 - 34. 2017. Available on-line at: <<http://dx.doi.org/10.1016/j.virusres.2017.07.019>>.

Type of production: Scientific paper

Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.194

Source of citations: SCOPUS

Citations: 5

- 20** M.O. Leastro; V. Pallás; R.O. Resende; J.A. Sánchez-Navarro. The functional analysis of distinct tospovirus movement proteins (NS$\leq 5b$) reveals different capabilities in tubule formation, cell-to-cell and systemic virus movement among the tospovirus species. *Virus Research*. 227, pp. 57 - 68. 2017. Available on-line at: <<http://dx.doi.org/10.1016/j.virusres.2016.09.023>>.

Type of production: Scientific paper

Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.194

Source of citations: SCOPUS

Citations: 10

- 21** B. Wu; M.P. Zwart; J.A. Sánchez-Navarro; S.F. Elena. Within-host Evolution of Segments Ratio for the Tripartite Genome of Alfalfa Mosaic Virus. Scientific Reports. 7 - 1, 2017. Available on-line at: <<http://dx.doi.org/10.1038/s41598-017-05335-8>>.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 1.341
- Source of citations:** SCOPUS
Citations: 12
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 22** A. Alfaro-Fernández; J.A. Sánchez-Navarro; M. Landeira; M.I. Font; D. Hernández-Llópis; V. Pallás. Evaluation of PCR and non-radioactive molecular hybridization techniques for the routine diagnosis of Tomato leaf curl New Delhi virus, Tomato yellow leaf curl virus and Tomato yellow leaf curl Sardinia virus. Journal of Plant Pathology. 98 - 2, 2016. Available on-line at: <<http://dx.doi.org/10.4454/JPP.V98I2.003>>.
- Type of production:** Scientific paper
Position of signature: 2
- Impact source:** SCOPUS
Impact index in year of publication: 0.295
- Source of citations:** SCOPUS
Citations: 5
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 23** First Report of Rattail cactus necrosis-associated virus in Prickly Pear Fruit (Opuntia albicarpa Scheinvar) in Mexico.2016.
- Type of production:** Scientific paper
- 24** First Report of Schlumbergera virus X in Prickly Pear (Opuntia focus-indica) in Mexico.2016.
- Type of production:** Scientific paper
- 25** N. Fiore; A. Zamorano; N. Sánchez-Diana; X. González; V. Pallás; J. Sánchez-Navarro. First detection of Grapevine rupestris stem pitting-associated virus and Grapevine rupestris vein feathering virus, and new phylogenetic groups for Grapevine fleck virus and Hop stunt viroid isolates, revealed from grapevine field surveys in Spain. Phytopathologia Mediterranea. 55 - 2, pp. 225 - 238. 2016. Available on-line at: <http://dx.doi.org/10.14601/Phytopathol_Mediterr-15875>.
- Type of production:** Scientific paper
Position of signature: 6
- Impact source:** SCOPUS
Impact index in year of publication: 0.668
- Source of citations:** SCOPUS
Citations: 6
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 26** J. Colimba; E. Falcón; E.R. Castro; D. Davila-Aldas; V. Pallas; J.A. Sanchez-Navarro; G. Gomez. First report of Alfalfa mosaic virus in red pepper plants in Ecuador. Plant Disease. 100 - 5, pp. 1026. 2016. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-07-15-0820-PDN>>.
- Type of production:** Scientific paper
Position of signature: 6
- Impact source:** SCOPUS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee



Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 0

- 27** R. De la Torre-Almaráz; V. Pallás; J.A. Sánchez-Navarro. First report of cucumber mosaic virus (CMV) and CARNA-5 in Carnation in Mexico. Plant Disease. 100 - 7, pp. 1509. 2016. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-01-16-0110-PDN>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 0

- 28** N. Fiore; A. Zamorano; A.M. Pino; F. González; I.M. Rosales; J.A. Sánchez-Navarro; V. Pallás. Survey of stone fruit viruses and viroids in Chile. Journal of Plant Pathology. 98 - 3, 2016. Available on-line at: <<http://dx.doi.org/10.4454/JPP.V98I3.032>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 6

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.295

Source of citations: SCOPUS

Citations: 0

- 29** R. De La Torre-Almaráz; V. Pallás; J.A. Sánchez-Navarro. First report of carnation mottle virus (carmv) and carnation etched ring virus (cerv) in carnation from Mexico. Plant Disease. 99 - 8, pp. 1191. 2015. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-01-15-0039-PDN>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 2

- 30** R. De La Torre-Almaráz; V. Pallás; J.A. Sánchez-Navarro. First report of peach latent mosaic viroid in peach trees from Mexico. Plant Disease. 99 - 6, pp. 899. 2015. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-01-15-0005-PDN>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 4

- 31** C. Petri; H. Wang; L. Burgos; J. Sánchez-Navarro; N. Alburquerque. Production of transgenic apricot plants from hypocotyl segments of mature seeds. Scientia Horticulturae. 197, pp. 144 - 149. 2015. Available on-line at: <<http://dx.doi.org/10.1016/j.scienta.2015.09.023>>.

Type of production: Scientific paper

Format: Journal

**Position of signature:** 4**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 0.838**Source of citations:** SCOPUS**Citations:** 6

- 32** E.J. Zamora-Macorra; D.L. Ochoa-Martínez; G. Valdovinos-Ponce; R. Rojas-Martínez; S. Ramírez-Rojas; J.Á. Sánchez-Navarro; V. Pallás; F. Aparicio. Simultaneous detection of *Clavibacter michiganensis* subsp. *michiganensis*, Pepino mosaic virus and Mexican papaya viroid by non-radioactive molecular hybridization using a unique polyprobe. *European Journal of Plant Pathology*. 143 - 4, pp. 779 - 787. 2015. Available on-line at: <<http://dx.doi.org/10.1007/s10658-015-0729-1>>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 6**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 0.679**Source of citations:** SCOPUS**Citations:** 6

- 33** M.O. Leastro; V. Pallás; R.O. Resende; J.A. Sánchez-Navarro. The movement proteins (NSm) of distinct tospoviruses peripherally associate with cellular membranes and interact with homologous and heterologous NSm and nucleocapsid proteins. *Virology*. 478, pp. 39 - 49. 2015. Available on-line at: <<http://dx.doi.org/10.1016/j.virol.2015.01.031>>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 4**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 1.265**Source of citations:** SCOPUS**Citations:** 21

- 34** Detection of *Prunus necrotic ringspot virus* from peach (*Prunus persica* (L.) In Mexico and molecular characterization of its RNA-3 component, Detección del prunus necrotic ringspot virus en durazno (*Prunus persica* (L.) en México y caracterización molecular de su componente ARN-3. 2014.

Type of production: Scientific paper

- 35** R. de La Torre-Almaraz; J. Sánchez-Navarro; V. Pallás. Detection of *Prunus necrotic ringspot virus* from peach (*Prunus persica* (L.) In Mexico and molecular characterization of its RNA-3 component, Detección del prunus necrotic ringspot virus en durazno (*Prunus persica* (L.) en México y caracterización molecular de su componente ARN-3. *Agrociencia*. 48 - 6, pp. 583 - 598. 2014.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 0.181**Source of citations:** SCOPUS**Citations:** 2

- 36** A. Peiro; A.C. Izquierdo-García; J.A. Sánchez-Navarro; V. Pallás; J.M. Mulet; F. Aparicio. Patellins 3 and 6, two members of the Plant Patellin family, interact with the movement protein of Alfalfa mosaic virus and interfere with viral movement. *Molecular Plant Pathology*. 15 - 9, pp. 881 - 891. 2014. Available on-line at: <<http://dx.doi.org/10.1111/mpp.12146>>.

Type of production: Scientific paper

Position of signature: 3

Impact source: SCOPUS

Impact index in year of publication: 1.864

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 19

- 37** A. Peiró; M.C. Cañizares; L. Rubio; C. López; E. Moriones; J. Aramburu; J. Sánchez-Navarro. The movement protein (NSm) of Tomato spotted wilt virus is the avirulence determinant in the tomato Sw-5 gene-based resistance. *Molecular Plant Pathology*. 15 - 8, pp. 802 - 813. 2014. Available on-line at: <<http://dx.doi.org/10.1111/mpp.12142>>.

Type of production: Scientific paper

Position of signature: 7

Impact source: SCOPUS

Impact index in year of publication: 1.864

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 34

- 38** A. Peiró; L. Martínez-Gil; S. Tamborero; V. Pallás; J.A. Sánchez-Navarro; I. Mingarro. The tobacco mosaic virus movement protein associates with but does not integrate into biological membranes. *Journal of Virology*. 88 - 5, pp. 3016 - 3026. 2014. Available on-line at: <<http://dx.doi.org/10.1128/JVI.03648-13>>.

Type of production: Scientific paper

Position of signature: 5

Impact source: SCOPUS

Impact index in year of publication: 2.406

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 40

- 39** R. Flores; S. Ruiz-Ruiz; N. Soler; J. Sánchez-Navarro; C. Fagoaga; C. López; L. Navarro; P. Moreno; L. Peña. Citrus tristeza virus p23: A unique protein mediating key virus-host interactions. *Frontiers in Microbiology*. 4 - MAY, 2013. Available on-line at: <<http://dx.doi.org/10.3389/fmicb.2013.00098>>.

Type of production: Scientific paper

Position of signature: 4

Impact source: SCOPUS

Impact index in year of publication: 1.69

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 24

- 40** S. Ruiz-Ruiz; N. Soler; J. Sánchez-Navarro; C. Fagoaga; C. López; L. Navarro; P. Moreno; L. Peña; R. Flores. Citrus tristeza virus p23: Determinants for nucleolar localization and their influence on suppression of RNA silencing and pathogenesis. *Molecular Plant-Microbe Interactions*. 26 - 3, pp. 306 - 318. 2013. Available on-line at: <<http://dx.doi.org/10.1094/MPMI-08-12-0201-R>>.

Type of production: Scientific paper

Position of signature: 3

Impact source: SCOPUS

Impact index in year of publication: 1.668

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 34



- 41** J.A. Sánchez-Navarro; M.P. Zwart; S.F. Elena. Effects of the number of genome segments on primary and systemic infections with a multipartite plant RNA virus. *Journal of Virology*. 87 - 19, pp. 10805 - 10815. 2013. Available on-line at: <<http://dx.doi.org/10.1128/JVI.01402-13>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
Impact index in year of publication: 2.406
- Source of citations:** SCOPUS
Citations: 16
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 42** T.V.M. Fajardo; A. Peiró; V. Pallás; J. Sánchez-Navarro. Systemic transport of Alfalfa mosaic virus can be mediated by the movement proteins of several viruses assigned to five genera of the 30K family. *Journal of General Virology*. 94 - PART3, pp. 677 - 681. 2013. Available on-line at: <<http://dx.doi.org/10.1099/vir.0.048793-0>>.
- Type of production:** Scientific paper
Position of signature: 4
- Impact source:** SCOPUS
Impact index in year of publication: 1.386
- Source of citations:** SCOPUS
Citations: 15
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 43** V. Pallas; F. Aparicio; M.C. Herranz; K. Amari; M.A. Sanchez-Pina; A. Myrta; J.A. Sanchez-Navarro. Ilarviruses of *Prunus* spp.: A continued concern for fruit trees. *Phytopathology*. 102 - 12, pp. 1108 - 1120. 2012. Available on-line at: <<http://dx.doi.org/10.1094/PHYTO-02-12-0023-RVW>>.
- Type of production:** Scientific paper
Position of signature: 7
- Impact source:** SCOPUS
Impact index in year of publication: 1.229
- Source of citations:** SCOPUS
Citations: 57
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 44** I. Garcia-Robles; J. Sanchez-Navarro; M.D.L. Pena. Intronic hammerhead ribozymes in mRNA biogenesis. *Biological Chemistry*. 393 - 11, pp. 1317 - 1326. 2012. Available on-line at: <<http://dx.doi.org/10.1515/hsz-2012-0223>>.
- Type of production:** Scientific paper
Position of signature: 2
- Impact source:** SCOPUS
Impact index in year of publication: 1.187
- Source of citations:** SCOPUS
Citations: 11
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 45** A. Peiró; V. Pallás; J.A. Sánchez-Navarro. Simultaneous detection of eight viruses and two viroids affecting stone fruit trees by using a unique polyprobe. *European Journal of Plant Pathology*. 132 - 4, pp. 469 - 475. 2012. Available on-line at: <<http://dx.doi.org/10.1007/s10658-011-9893-0>>.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 1.187
- Source of citations:** SCOPUS
Citations: 11
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

**Impact source:** SCOPUS**Impact index in year of publication:** 0.679**Source of citations:** SCOPUS**Citations:** 24

- 46** F. Aparicio; R. Aparicio-Sanchis; J. Gadea; J.Á. Sánchez-Navarro; V. Pallás; J.R. Murguía. A plant virus movement protein regulates the Gcn2p kinase in budding yeast. PLoS ONE. 6 - 11, 2011. Available on-line at: <<http://dx.doi.org/10.1371/journal.pone.0027409>>.

Type of production: Scientific paper**Position of signature:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 1.023**Source of citations:** SCOPUS**Citations:** 5

- 47** J. Sánchez-Navarro; T. Fajardo; S. Zicca; V. Pallás; L. Stavalone. Caulimoviridae tubule-guided transport is dictated by movement protein properties. Journal of Virology. 84 - 8, pp. 4109 - 4112. 2010. Available on-line at: <<http://dx.doi.org/10.1128/JVI.02543-09>>.

Type of production: Scientific paper**Position of signature:** 1**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 2.406**Source of citations:** SCOPUS**Citations:** 18

- 48** A. García-Ibarra; P. Martínez-Gómez; M. Rubio; F. Dicenta; A. Soler; V. Pallás; J.A. Sánchez-Navarro. First report of apricot latent virus and plum bark necrosis stem pitting-associated virus in apricot from Spain. Plant Disease. 94 - 2, pp. 275. 2010. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-94-2-0275A>>.

Type of production: Scientific paper**Position of signature:** 7**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 0.68**Source of citations:** SCOPUS**Citations:** 8

- 49** F. Aparicio; V. Pallás; J. Sánchez-Navarro. Implication of the C terminus of the Prunus necrotic ringspot virus movement protein in cell-to-cell transport and in its interaction with the coat protein. Journal of General Virology. 91 - 7, pp. 1865 - 1870. 2010. Available on-line at: <<http://dx.doi.org/10.1099/vir.0.019950-0>>.

Type of production: Scientific paper**Position of signature:** 3**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Impact source:** SCOPUS**Impact index in year of publication:** 1.386**Source of citations:** SCOPUS**Citations:** 19

- 50** A. Alfaro-Fernández; M.C. Cebrián; J.A. Herrera-Vásquez; M.C. Córdoba-Sellés; J.A. Sánchez-Navarro; C. Jordá. Molecular variability of Spanish and Hungarian isolates of Tomato torrado virus. Plant Pathology. 59 - 4, pp. 785 - 793. 2010. Available on-line at: <<http://dx.doi.org/10.1111/j.1365-3059.2010.02280.x>>.

Type of production: Scientific paper
Position of signature: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS
Impact index in year of publication: 0.937

Source of citations: SCOPUS

Citations: 8

- 51** A. Alfaro-Fernández; M.D.C. Córdoba-Sellés; M. Juárez; J.A. Herrera-Vásquez; J.A. Sánchez-Navarro; M.D.C. Cebrián; M.I. Font; C. Jordá. Occurrence and geographical distribution of the 'torrado' disease in Spain. *Journal of Phytopathology*. 158 - 7-8, pp. 457 - 469. 2010. Available on-line at: <<http://dx.doi.org/10.1111/j.1439-0434.2009.01639.x>>.

Type of production: Scientific paper
Position of signature: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS
Impact index in year of publication: 0.459

Source of citations: SCOPUS

Citations: 12

- 52** S. Matic; A. Minafra; J.A. Sánchez-Navarro; V. Pallás; A. Myrta; G.P. Martelli. 'Kwanzan Stunting' syndrome: Detection and molecular characterization of an Italian isolate of Little cherry virus 1. *Virus Research*. 143 - 1, pp. 61 - 67. 2009. Available on-line at: <<http://dx.doi.org/10.1016/j.virusres.2009.03.005>>.

Type of production: Scientific paper
Position of signature: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS
Impact index in year of publication: 1.194

Source of citations: SCOPUS

Citations: 17

- 53** First Report of Avocado sunblotch viroid in Avocado from Michoacan, Mexico. 2009.

Type of production: Scientific paper

- 54** R. De La Torre-A; D. Téliz-Ortiz; V. Pallás; J.A. Sánchez-Navarro. First report of avocado sunblotch viroid in avocado from michoacán, México. *Plant Disease*. 93 - 2, pp. 202. 2009. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-93-2-0202B>>.

Type of production: Scientific paper
Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS
Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 8

- 55** V. Pallas; J. Sanchez-Navarro; A. Varga; F. Aparicio; D. James. Multiplex polymerase chain reaction (PCR) and real-time multiplex PCR for the simultaneous detection of plant viruses. *Methods in molecular biology* (Clifton, N.J.). 508, pp. 193 - 208. 2009. Available on-line at: <http://dx.doi.org/10.1007/978-1-59745-062-1_16>.

Type of production: Scientific paper
Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.597

Source of citations: SCOPUS

Citations: 9

- 56** L. Martínez-Gil; J.A. Sánchez-Navarro; A. Cruz; V. Pallás; J. Pérez-Gil; I. Mingarro. Plant virus cell-to-cell movement is not dependent on the transmembrane disposition of its movement protein. *Journal of Virology*. 83 - 11, pp. 5535 - 5543. 2009. Available on-line at: <<http://dx.doi.org/10.1128/JVI.00393-09>>.

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 2.406

Source of citations: SCOPUS

Citations: 31

- 57** A. Alfaro-Fernández; J.Á. Sánchez-Navarro; M. del Carmen Cebrián; M. del Carmen Córdoba-Sellés; V. Pallás; C. Jordá. Simultaneous detection and identification of Pepino mosaic virus (PepMV) isolates by multiplex one-step RT-PCR. *European Journal of Plant Pathology*. 125 - 1, pp. 143 - 158. 2009. Available on-line at: <<http://dx.doi.org/10.1007/s10658-009-9466-7>>.

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.679

Source of citations: SCOPUS

Citations: 20

- 58** A. Alfaro-Fernández; C. Córdoba-Sellés; M.C. Cebrián; J.A. Herrera-Vásquez; J.A. Sánchez-Navarro; M. Juárez; A. Espino; R. Martín; C. Jordá. First report of tomato torrado virus on weed hosts in Spain. *Plant Disease*. 92 - 5, pp. 831. 2008. Available on-line at: <<http://dx.doi.org/10.1094/PDIS-92-5-0831B>>.

Type of production: Scientific paper

Position of signature: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.68

Source of citations: SCOPUS

Citations: 20

- 59** N. Fiore; T.V.M. Fajardo; S. Prodan; M.C. Herranz; F. Aparicio; J. Montealegre; S.F. Elena; V. Pallás; J. Sánchez-Navarro. Genetic diversity of the movement and coat protein genes of South American isolates of *Prunus necrotic ringspot virus*. *Archives of Virology*. 153 - 5, pp. 909 - 919. 2008. Available on-line at: <<http://dx.doi.org/10.1007/s00705-008-0066-1>>.

Type of production: Scientific paper

Position of signature: 9

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.933

Source of citations: SCOPUS

Citations: 28



- 60** M.C. Herranz; M. Al Rwahnih; J.A. Sánchez-Navarro; S.F. Elena; E. Choueiri; A. Myrta; V. Pallás. Low genetic variability in the coat and movement proteins of American plum line pattern virus isolates from different geographic origins. *Archives of Virology*. 153 - 2, pp. 367 - 373. 2008. Available on-line at: <<http://dx.doi.org/10.1007/s00705-007-1100-4>>.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 0.933
- Source of citations:** SCOPUS
Citations: 10
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 61** S. Matic; J.A. Sánchez-Navarro; B. Mandic; A. Myrta; V. Pallás. Tracking three ilarviruses in stone fruit trees throughout the year by ELISA and tissue-printing hybridization. *Journal of Plant Pathology*. 90 - 1, pp. 137 - 141. 2008.
- Type of production:** Scientific paper
Position of signature: 2
- Impact source:** SCOPUS
Impact index in year of publication: 0.295
- Source of citations:** SCOPUS
Citations: 9
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 62** S. Jarrar; E. Choueiri; J.A. Sánchez-Navarro; A. Myrta; S. El Zammar; V. Savino; V. Pallas. First report of apricot latent virus in Lebanon. *Journal of Plant Pathology*. 89 - 2, pp. 303. 2007.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 0.295
- Source of citations:** SCOPUS
Citations: 3
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 63** Jesus Sánchez-Navarro; M.C. Cañizares; E.A. Cano; V. Pallás. Plant tissue distribution and chemical inactivation of six carnation viruses. *Crop Protection*. 26 - 7, pp. 1049 - 1054. 2007. Available on-line at: <<http://dx.doi.org/10.1016/j.cropro.2006.09.016>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
Impact index in year of publication: 0.805
- Source of citations:** SCOPUS
Citations: 10
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 64** J.A. Sánchez-Navarro; M. Carmen Herranz; V. Pallás. Cell-to-cell movement of Alfalfa mosaic virus can be mediated by the movement proteins of ilar-, bromo-, cucumo-, tobamo- and comoviruses and does not require virion formation. *Virology*. 346 - 1, pp. 66 - 73. 2006. Available on-line at: <<http://dx.doi.org/10.1016/j.virol.2005.10.024>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact index in year of publication: 1.265

Source of citations: SCOPUS

Citations: 51

- 65** F. Aparicio; J.A. Sánchez-Navarro; V. Pallás. In vitro and in vivo mapping of the Prunus necrotic ringspot virus coat protein C-terminal dimerization domain by bimolecular fluorescence complementation. Journal of General Virology. 87 - 6, pp. 1745 - 1750. 2006. Available on-line at: <<http://dx.doi.org/10.1099/vir.0.81696-0>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.386

Source of citations: SCOPUS

Citations: 32

- 66** F.M. Codoñer; J.M. Cuevas; J.A. Sánchez-Navarro; V. Pallás; S.F. Elena. Molecular evolution of the plant virus family bromoviridae based on RNA3-encoded proteins. Journal of Molecular Evolution. 61 - 5, pp. 697 - 705. 2005. Available on-line at: <<http://dx.doi.org/10.1007/s00239-005-0021-7>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.591

Source of citations: SCOPUS

Citations: 19

- 67** Ma.C. Herranz; J.-A. Sanchez-Navarro; A. Saurí; I. Mingarro; V. Pallás. Mutational analysis of the RNA-binding domain of the Prunus necrotic ringspot virus (PNRSV) movement protein reveals its requirement for cell-to-cell movement. Virology. 339 - 1, pp. 31 - 41. 2005. Available on-line at: <<http://dx.doi.org/10.1016/j.virol.2005.05.020>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.265

Source of citations: SCOPUS

Citations: 32

- 68** J.A. Sánchez-Navarro; F. Aparicio; M.C. Herranz; A. Minafra; A. Myrta; V. Pallás. Simultaneous detection and identification of eight stone fruit viruses by one-step RT-PCR. European Journal of Plant Pathology. 111 - 1, pp. 77 - 84. 2005. Available on-line at: <<http://dx.doi.org/10.1007/s10658-004-1422-y>>.

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.679

Source of citations: SCOPUS

Citations: 105

- 69** M.C. Herranz; J.A. Sanchez-Navarro; F. Aparicio; V. Pallás. Simultaneous detection of six stone fruit viruses by non-isotopic molecular hybridization using a unique riboprobe or 'polyprobe'. Journal of Virological Methods. 124 - 1-2, pp. 49 - 55. 2005. Available on-line at: <<http://dx.doi.org/10.1016/j.jviromet.2004.11.003>>.

Type of production: Scientific paper

Position of signature: 2

Impact source: SCOPUS

Impact index in year of publication: 0.73

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 55

- 70** J. Sanchez-Navarro; R. Miglino; A. Ragozzino; J.F. Bol. Engineering of Alfalfa mosaic virus RNA 3 into an expression vector. Archives of Virology. 146 - 5, pp. 923 - 939. 2001. Available on-line at: <<http://dx.doi.org/10.1007/s007050170125>>.

Type of production: Scientific paper

Position of signature: 1

Impact source: SCOPUS

Impact index in year of publication: 0.933

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 37

- 71** F. Aparicio; J.A. Sánchez-Navarro; R.C.L. Olsthoorn; V. Pallás; J.F. Bol. Recognition of cis-acting sequences in RNA 3 of Prunus necrotic ringspot virus by the replicase of Alfalfa mosaic virus. Journal of General Virology. 82 - 4, pp. 947 - 951. 2001. Available on-line at: <<http://dx.doi.org/10.1099/0022-1317-82-4-947>>.

Type of production: Scientific paper

Position of signature: 2

Impact source: SCOPUS

Impact index in year of publication: 1.386

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 11

- 72** J.A. Sánchez-Navarro; J.F. Bol. Role of the Alfalfa mosaic virus movement protein and coat protein in virus transport. Molecular Plant-Microbe Interactions. 14 - 9, pp. 1051 - 1062. 2001. Available on-line at: <<http://dx.doi.org/10.1094/MPMI.2001.14.9.1051>>.

Type of production: Scientific paper

Position of signature: 1

Impact source: SCOPUS

Impact index in year of publication: 1.668

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 50

- 73** M. Saade; F. Aparicio; J.A. Sanchez-Navarro; M.C. Herranz; A. Myrta; B. Di Terlizzi; V. Pallas. Simultaneous detection of the three ilarviruses affecting stone fruit trees by nonisotopic molecular hybridization and multiplex reverse-transcription polymerase chain reaction. Phytopathology. 90 - 12, pp. 1330 - 1336. 2000. Available on-line at: <<http://dx.doi.org/10.1094/PHYTO.2000.90.12.1330>>.

Type of production: Scientific paper

Position of signature: 3

Impact source: SCOPUS

Impact index in year of publication: 1.229

Source of citations: SCOPUS

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Citations: 78

- 74** V. Pallás; J.A. Sánchez-Navarro; J. Díez. In vitro evidence for RNA binding properties of the coat protein of prunus necrotic ringspot ilarvirus and their comparison to related and unrelated viruses. Archives of Virology. 144 - 4, pp. 797 - 803. 1999. Available on-line at: <<http://dx.doi.org/10.1007/s007050050545>>.

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.933

Source of citations: SCOPUS

Citations: 14

- 75** F. Aparicio; M.A. Sánchez-Pina; J.A. Sánchez-Navarro; V. Pallás. Location of Prunus necrotic ringspot ilarvirus within pollen grains of infected nectarine trees: Evidence from RT-PCR, dot-blot and in situ hybridisation. European Journal of Plant Pathology. 105 - 6, pp. 623 - 627. 1999. Available on-line at: <<http://dx.doi.org/10.1023/A:1008783705183>>.

Type of production: Scientific paper

Position of signature: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.679

Source of citations: SCOPUS

Citations: 46

- 76** J.A. Sánchez-Navarro; M.C. Cañizares; E.A. Cano; V. Pallás. Simultaneous detection of five carnation viruses by non-isotopic molecular hybridization. Journal of Virological Methods. 82 - 2, pp. 167 - 175. 1999. Available on-line at: <[http://dx.doi.org/10.1016/S0166-0934\(99\)00097-X](http://dx.doi.org/10.1016/S0166-0934(99)00097-X)>.

Type of production: Scientific paper

Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.73

Source of citations: SCOPUS

Citations: 39

- 77** J.A. Sanchez-Navarro; F. Aparicio; A. Rowhani; V. Pallás. Comparative analysis of ELISA, nonradioactive molecular hybridization and PCR for the detection of prunus necrotic ringspot virus in herbaceous and Prunus hosts. Plant Pathology. 47 - 6, pp. 780 - 786. 1998. Available on-line at: <<http://dx.doi.org/10.1046/j.1365-3059.1998.00301.x>>.

Type of production: Scientific paper

Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.937

Source of citations: SCOPUS

Citations: 67

- 78** Detection of plant RNA viruses by nonisotopic dot-blot hybridization. 1998.

Type of production: Scientific paper



- 79** V. Pallás; P. Más; J.A. Sánchez-Navarro. Detection of plant RNA viruses by nonisotopic dot-blot hybridization. *Methods in molecular biology* (Clifton, N.J.). 81, pp. 461 - 468. 1998. Available on-line at: <<http://dx.doi.org/10.1385/0-89603-385-6:461>>.
- Type of production:** Scientific paper
Position of signature: 3
- Impact source:** SCOPUS
Impact index in year of publication: 0.597
- Source of citations:** SCOPUS
Citations: 95
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 80** J.A. Sánchez-Navarro; V. Pallás. Evolutionary relationships in the ilarviruses: Nucleotide sequence of prunus necrotic ringspot virus RNA 3. *Archives of Virology*. 142 - 4, pp. 749 - 763. 1997. Available on-line at: <<http://dx.doi.org/10.1007/s007050050116>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
Impact index in year of publication: 0.933
- Source of citations:** SCOPUS
Citations: 73
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 81** J.A. Sánchez-Navarro; C.B.E.M. Reusken; J.F. Bol; V. Pallás. Replication of alfalfa mosaic virus RNA 3 with movement and coat protein genes replaced by corresponding genes of Prunus necrotic ringspot ilarvirus. *Journal of General Virology*. 78 - 12, pp. 3171 - 3176. 1997. Available on-line at: <<http://dx.doi.org/10.1099/0022-1317-78-12-3171>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
Impact index in year of publication: 1.386
- Source of citations:** SCOPUS
Citations: 27
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 82** J.A. Sánchez-Navarro; E.A. Cano; V. Pallás. Non-radioactive molecular hybridization detection of carnation mottle virus in infected carnations and its comparison to serological and biological techniques. *Plant Pathology*. 45 - 2, pp. 375 - 382. 1996. Available on-line at: <<http://dx.doi.org/10.1046/j.1365-3059.1996.d01-1.x>>.
- Type of production:** Scientific paper
Position of signature: 1
- Impact source:** SCOPUS
Impact index in year of publication: 0.937
- Source of citations:** SCOPUS
Citations: 30
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 83** CHARACTERIZATION AND GENOMIC ORGANIZATION OF APPLE MOSAIC ILARVIRUS. 1995.
- Type of production:** Scientific paper
- 84** J.A. Sanchez-Navarro; V. Pallas. Nucleotide sequence of apple mosaic ilarvirus RNA 4. *Journal of General Virology*. 75 - 6, pp. 1441 - 1445. 1994. Available on-line at: <<http://dx.doi.org/10.1099/0022-1317-75-6-1441>>.
- Type of production:** Scientific paper
Position of signature: 1
- Format:** Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 1.386

Source of citations: SCOPUS

Citations: 37

- 85** P. Más; J.A. Sánchez-Navarro; M.A. Sánchez-Pina; V. Pallás. Chemiluminescent and colorigenic detection of cherry leaf roll virus with digoxigenin-labeled RNA probes. Journal of Virological Methods. 45 - 1, pp. 93 - 102. 1993. Available on-line at: <[http://dx.doi.org/10.1016/0166-0934\(93\)90143-F](http://dx.doi.org/10.1016/0166-0934(93)90143-F)>.

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Impact source: SCOPUS

Impact index in year of publication: 0.73

Source of citations: SCOPUS

Citations: 46

- 86** V. Pallás; J.A. Sánchez-Navarro; G.R. Kinard; F. Di Serio. Molecular Hybridization Techniques for Detecting and Studying Viroids. Viroids and Satellites. pp. 369 - 379. 2017. Available on-line at: <<http://dx.doi.org/10.1016/B978-0-12-801498-1.00035-8>>.

Type of production: Scientific book or monograph

Format: Book

Position of signature: 2

Degree of contribution: Author or co-author of entire book

Impact source: SCOPUS

Source of citations: SCOPUS

Citations: 4

- 87** CHAPTER 59: Molecular Hybridization Techniques for Detecting and Studying Fruit Tree Viruses and Viroids. 2011.

Type of production: null

- 88** J.A. Navarro; J.A. Sanchez-Navarro; V. Pallas. Key checkpoints in the movement of plant viruses through the host. Advances in Virus Research. 104, pp. 1 - 64. 2019. Available on-line at: <<http://dx.doi.org/10.1016/bs.aivir.2019.05.001>>.

Format: Journal

Position of signature: 2

Impact source: SCOPUS

Impact index in year of publication: 2.262

Source of citations: SCOPUS

Citations: 11

- 89** M. Rubio; P. Martínez-Gómez; V. Pallás; F. Dicenta; J.A. Sánchez-Navarro. Molecular characterization of ilarvirus Prunus necrotic ring spot virus (PNRSV) and Prune dwarf virus (PDV) in Spanish autochthonous almond cultivars. Acta Horticulturae. 1219, pp. 353 - 356. 2018. Available on-line at: <<http://dx.doi.org/10.17660/ActaHortic.2018.1219.53>>.

Format: Journal

Position of signature: 5

Impact source: SCOPUS

Impact index in year of publication: 0.184

Source of citations: SCOPUS

Citations: 0

- 90** V. Pallas; F. Aparicio; M.C. Herranz; J.A. Sanchez-Navarro; S.W. Scott. The Molecular Biology of Ilarviruses. *Advances in Virus Research*. 87, pp. 139 - 181. 2013. Available on-line at: <<http://dx.doi.org/10.1016/B978-0-12-407698-3.00005-3>>.
Format: Journal
Position of signature: 4
Impact source: SCOPUS
Impact index in year of publication: 2.262
Source of citations: SCOPUS **Citations:** 36
- 91** A. García-Ibarra; J.A. Sánchez-Navarro; A. Soler; R.M. Muñoz; F. Dicenta; P. Martínez-Gómez; M. Rubio. Virus and viroids identification in traditional apricot orchards showing "viruela" disease in Spain. *Acta Horticulturae*. 966, pp. 23 - 26. 2012. Available on-line at: <<http://dx.doi.org/10.17660/actahortic.2012.966.2>>.
Format: Journal
Position of signature: 2
Impact source: SCOPUS
Impact index in year of publication: 0.184
Source of citations: SCOPUS **Citations:** 0
- 92** A. García-Ibarra; M. Rubio; P. Martínez-Gómez; F. Dicenta; A. Soler; J.A. Sánchez-Navarro. Pollen and seed transmission of Apple Chlorotic Leaf Spot Virus (ACLSV) in apricot. *Acta Horticulturae*. 862, pp. 483 - 486. 2010.
Format: Journal
Position of signature: 6
Impact source: SCOPUS
Impact index in year of publication: 0.184
Source of citations: SCOPUS **Citations:** 0
- 93** A. García-Ibarra; M. Rubio; F. Dicenta; P. Martínez-Gómez; A. Soler; J.A. Sánchez-Navarro. Study on the etiology of the apricot "viruela" disease in the region of Murcia (Spain). *Acta Horticulturae*. 862, pp. 491 - 494. 2010.
Format: Journal
Position of signature: 6
Impact source: SCOPUS
Impact index in year of publication: 0.184
Source of citations: SCOPUS **Citations:** 2
- 94** M. Rubio; B. Gosálvez; J.A. Hernández; F. Dicenta; P. Martínez-Gómez; J.A. Sánchez-Navarro; V. Pallás. Localization of coat protein and nucleic acid of Plum pox virus in prunus petiole and stem tissues. *Acta Horticulturae*. 657, pp. 295 - 300. 2004. Available on-line at: <<http://dx.doi.org/10.17660/ActaHortic.2004.657.45>>.
Format: Journal
Position of signature: 6
Impact source: SCOPUS
Impact index in year of publication: 0.184
Source of citations: SCOPUS **Citations:** 1

- 95** S. Dominguez; F. Aparicio; J.A. Sánchez-Navarro; V. Pallás; J. García-Brunton; A. Cano. Studies on the incidence of ilarviruses and apple chlorotic leaf spot virus (ACLSV) in apricot trees in the Murcia Region (Spain) using serological and molecular hybridization methods. *Acta Horticulturae*. 472, pp. 203 - 210. 1998. Available on-line at: <<http://dx.doi.org/10.17660/ActaHortic.1998.472.21>>.

Format: Journal

Position of signature: 3

Impact source: SCOPUS

Impact index in year of publication: 0.184

Source of citations: SCOPUS

Citations: 12

Works submitted to national or international conferences

- 1** **Title of the work:** Characterization and genomic organization of apple mosaic ilarvirus
Name of the conference: XVth International Symposium on Fruit Tree Virus Diseases
City of event: ROME,
Type of contribution: Scientific paper
Pallas, V; SanchezNavarro, JA; Diez, J; Rowhani, A; Desvignes, JC; SanchezPina, MA. "XVITH INTERNATIONAL SYMPOSIUM ON FRUIT TREE VIRUS DISEASES". En: ACTA HORTICULTURAE. 386, pp. 100 - 108. 01/01/1995. ISSN 0567-7572, ISBN 90-6605-817-X
- 2** **Title of the work:** Localization of coat protein and nucleic acid of Plum pox virus in Prunus petiole and stem tissues
Name of the conference: 19th International Symposium on Virus and Virus-Like Diseases of Temperate Fruit Crops
City of event: Anaheim,
Organising entity: Inst Valenciano Invest Agrarias; Conseller Agr Pesca Alimentac Generalitat Valenciana; Minist Educ Cienc Direct Gen invest; Univ Politecnica Valencia; Agcy Valenciana Cienc Tecnol; Inst Biol Mole Celu
Type of contribution: Scientific paper
Rubio, M; Gosalvez, B; Hernandez, JA; Sanchez-Navarro, JA; Pallas, V. "PROCEEDINGS OF THE XIXTH INTERNATIONAL SYMPOSIUM ON VIRUS AND VIRUS-LIKE DISEASES OF TEMPERATE FRUIT CROPS: FRUIT TREE DISEASES". En: ACTA HORTICULTURAE. 657, pp. 295 - 300. 01/01/2004. ISSN 0567-7572, ISBN 90-6605-148-5
- 3** **Title of the work:** Pollen and Seed Transmission of Apple Chlorotic Leaf Spot Virus (ACLSV) in Apricot
Name of the conference: 14th International Symposium on Apricot Breeding and Culture
City of event: Matera,
Organising entity: Int Soc Hort Sci (ISHS)
Type of contribution: Scientific paper
Garcia-Ibarra, A.; Rubio, M.; Martinez-Gomez, P.; Dicenta, F.; Sanchez-Navarro, J. A.; Soler, A. "XIV INTERNATIONAL SYMPOSIUM ON APRICOT BREEDING AND CULTURE". En: Acta Horticulturae. 862, pp. 483 - 486. 01/01/2010. ISSN 0567-7572, ISBN 978-90-66053-56-4
- 4** **Title of the work:** Studies on the incidence of ilarviruses and apple chlorotic leaf spot virus (ACLSV) in apricot trees in the Murcia Region (Spain) using serological and molecular hybridization methods
Name of the conference: 17th International Symposium on Virus and Virus-Like Diseases of Temperate Fruit Crops
City of event: BETHESDA,
Organising entity: Int Soc Hort Sci; USDA; Agdia Inc; Bioreba Ag; Friends Agr Res Ctr-Beltsville (FAR-B); Nippon Del Monte Corp; Perkin Elmer/Appl Biosyst; USDA Agr Res Serv; USDA Animal & Plant Hlth Inspect Serv; USDA

**Type of contribution:** Scientific paper

Dominguez, S; Aparicio, F; Sanchez-Navarro, JA; Pallas, V; Cano, A; Garcia-Brunton, J. "17TH INTERNATIONAL SYMPOSIUM ON VIRUS AND VIRUS-LIKE DISEASES OF TEMPERATE FRUIT CROPS: FRUIT TREE DISEASES, VOLS 1 AND 2". En: ACTA HORTICULTURAE. 472, pp. 203 - 210. 01/01/1998. ISSN 0567-7572, ISBN 90-6605-960-5

5 Title of the work: Study on the Etiology of the Apricot "Viruela" Disease in the Region of Murcia (Spain)

Name of the conference: 14th International Symposium on Apricot Breeding and Culture

City of event: Matera,

Organising entity: Int Soc Hort Sci (ISHS)

Type of contribution: Scientific paper

Garcia-Ibarra, A.; Rubio, M.; Dicenta, F.; Martinez-Gomez, P.; Sanchez-Navarro, J. A.; Soler, A. "XIV INTERNATIONAL SYMPOSIUM ON APRICOT BREEDING AND CULTURE". En: Acta Horticulturae. 862, pp. 491 - 494. 01/01/2010. ISSN 0567-7572, ISSN 2406-6168, ISBN 978-90-66053-56-4

6 Title of the work: Virus and Viroids Identification in Traditional Apricot Orchards Showing "Viruela" Disease in Spain

Name of the conference: 15th International Symposium on Apricot Breeding and Culture

City of event: Yerevan,

Organising entity: Int Soc Hort Sci (ISHS)

Type of contribution: Scientific paper

Garcia-Ibarra, A.; Sanchez-Navarro, J. A.; Soler, A.; Munoz, R. M.; Dicenta, F.; Martinez-Gomez, P.; Rubio, M. "XV INTERNATIONAL SYMPOSIUM ON APRICOT BREEDING AND CULTURE". En: Acta Horticulturae. 966, pp. 23 - 25. 01/01/2012. ISSN 0567-7572, ISSN 2406-6168, ISBN 978-90-66056-45-9