



## INSTITUTO NACIONAL DE ASTROFÍSICA, ÓPTICA Y ELECTRÓNICA

### PRESENTACIÓN Y, EN SU CASO, APROBACIÓN DE INTEGRANTES DEL COMITÉ EXTERNO DE EVALUACIÓN

#### MOTIVACIÓN

Se presenta la salida de 1 integrante del CEE, por lo cual se requiere llevar a cabo el proceso de nombramiento del nuevo miembro; con la finalidad de reforzar y lograr una evaluación cualitativa y cuantitativa, derivada de los productos generados por los investigadores del INAOE, que beneficien el alcance de metas contempladas en el PAT 2022, Programa Estratégico de Mediano Plazo (PEMP) e Indicadores CAR. De no ser aprobado se tendría un Comité Evaluador Externo con baja representación y pluralidad en las áreas de interés del instituto, contrario al objetivo de potenciar los trabajos de evaluación y recomendaciones que representen una oportunidad de mejora a nivel institucional. Contar con el Comité Evaluador Externo con sus miembros completos nos permite, mediante sus sugerencias direccionar adecuadamente los planes de trabajo, así como adoptar acciones de mejora, prevención y solución de problemas.

#### FUNDAMENTACIÓN

El Instituto Nacional de Astrofísica, Óptica y Electrónica, solicita a esta Junta de Gobierno en ejercicio de sus atribuciones indelegables previstas en el artículo 38, así como en las facultades contempladas en el artículo 12 fracción XXIV, del Decreto de Creación publicado en el Diario Oficial de la Federación el 13 de octubre de 2006, y en las facultades contempladas en los artículos 4, 5, 6 y 7 del Marco de Operación del Comité Externo de Evaluación, del Instituto Nacional de Astrofísica, Óptica y Electrónica, la ratificación de tres integrantes y la aprobación del nuevo miembro del Comité Externo de Evaluación del Instituto Nacional de Astrofísica, Óptica y Electrónica, como se indica a continuación:

#### Ratificación:

**De la Dra. Martha Rosete Aguilar, el Dr. Gonzalo Páez Padilla y el Dr. Fernando Guarín.**

#### Nuevo Integrante:

**Dr. Luis Felipe Rodríguez Jorge**

Se anexa CV del **Dr. Luis Felipe Rodríguez Jorge** y la aprobación del CONACYT emitida con el oficio No. G0000/21/465, signado por el Dr. José Alejandro Díaz Méndez, Titular de la Unidad de Articulación Sectorial y Regional.





## INSTITUTO NACIONAL DE ASTROFÍSICA, ÓPTICA Y ELECTRÓNICA

El Presidente Suplente sometió a consideración de los Consejeros la aprobación de la solicitud y habiéndose manifestado todos a favor, se adoptó el siguiente:

### ACUERDO

La Junta de Gobierno con fundamento en los artículos 53 de la Ley de Ciencia y Tecnología; 12, fracción XXIV y 24 del Decreto por el cual se reestructura el Instituto Nacional de Astrofísica, Óptica y Electrónica; así como en las facultades contempladas en los artículos 4, 5, 6 y 7 del Marco de Operación del Comité Externo de Evaluación, del Instituto Nacional de Astrofísica, Óptica y Electrónica, aprueba por (unanimitad o mayoría) de votos, la ratificación de la **Dra. Martha Rosete Aguilar, el Dr. Gonzalo Páez Padilla y el Dr. Fernando Guarín**, así como la integración del **Dr. Luis Felipe Rodríguez Jorge**, como nuevo integrante del Comité Externo de Evaluación del Instituto Nacional de Astrofísica, Óptica y Electrónica.

# Dr. Luis Felipe Rodríguez Jorge

## Área de Astrofísica

SEGUNDA SESIÓN ORDINARIA DE ÓRGANO DE GOBIERNO INAOE 2021

Luis Enrique Erro No. 1, CP. 72840, Tonantzintla, Pue., México.

Tel: (222) 266 3100 Fax: (222) 247 2580 difusion@inaoep.mx www.inaoep.mx





GOBIERNO DE  
MÉXICO



CONACYT  
Consejo Nacional de Ciencia y Tecnología



**UNIDAD DE ARTICULACIÓN SECTORIAL Y REGIONAL**

Ciudad de México, 22 de octubre de 2021

G0000/21/465

**DR. EDMUNDO ANTONIO GUTIÉRREZ DOMÍNGUEZ**  
DIRECTOR GENERAL  
INSTITUTO NACIONAL DE ASTROFÍSICA, ÓPTICA Y ELECTRÓNICA

En referencia al oficio No. DIDT/148/2021, firmado por el Dr. Daniel Durini Romero, de fecha 25 de mayo del 2021, relacionado con la solicitud de renovación del Comité Externo de Evaluación del Centro a su digno cargo, comunico a usted que de conformidad con el artículo 24 del Instrumento de Creación del Instituto Nacional de Astrofísica, Óptica y Electrónica. (INAOE); así como los artículos 6, 7 y 14 del Marco de Operación del Comité Externo de Evaluación del INAOE, se determinó proponer la renovación de las siguientes personas en dicho Comité, quedando como se muestra a continuación:

**Incorporándose al Comité Externo de Evaluación:**  
**Dr. Luis Felipe Rodríguez Jorge, Universidad Nacional Autónoma de México.**  
**En sustitución del Dr. Manuel Peimbert.**

**Segunda ratificación en el Comité Externo de Evaluación:**  
**Dra. Martha Rosete Aguilar**  
**Dr. Gonzalo Páez Padilla**

**Tercera ratificación en el Comité Externo de Evaluación:**  
**Dr. Fernando Guarín**

Dicha propuesta será presentada como un punto específico en el orden del día de la próxima Sesión Ordinaria de la Junta de Gobierno para su aprobación a celebrarse el 28 de noviembre de 2021.

Aprovecho la ocasión para enviarle un cordial saludo.

ATENTAMENTE

  
**DR. JOSÉ ALEJANDRO DÍAZ MÉNDEZ**  
TITULAR DE LA UNIDAD

C.c.p. Dra. María Elena Álvarez-Buylla Rocas, Directora General del CONACYT. – Presente.

1 de julio del 2021

## Curriculum Vitae

### Luis Felipe Rodríguez Jorge

#### Datos Personales:

Lugar y fecha de nacimiento: Mérida, Yucatán, México, 29 de mayo de 1948

Oficina: Instituto de Radioastronomía y Astrofísica, UNAM  
Apdo. Postal 3-72 (Xangari)  
58089 Morelia, Michoacán, MEXICO  
Teléfono: 01-443-3222742; Fax: 01-443-3222726  
e-mail: l.rodriguez@irya.unam.mx

#### Puesto Actual:

Investigador Emérito (Instituto de Radioastronomía y Astrofísica, UNAM)

#### Grados Académicos:

1973 Licenciatura (Física) Universidad Nacional Autónoma de México.  
1975 M.A. (Astronomía) Harvard University.  
1978 Ph.D. (Astronomía) Harvard University.

#### Area Principal de Investigación:

Estudios Radioastronómicos del Medio Interestelar.

#### Distinciones Académicas Nacionales:

1984 Premio Nacional Puebla del Consejo Estatal de Ciencia y Tecnología de Puebla.  
1985 Premio Nacional de Investigación en Ciencias Exactas de la Academia de Ciencias.  
1991 Medalla Eligio Ancona del Gobierno del Estado de Yucatán.  
1992 Premio UNAM en el área de Ciencias Exactas.  
1993 Premio Nacional en el campo de Ciencias Físico-Matemáticas y Biológicas.  
1994 Cátedra Patrimonial de Excelencia Nivel I del CONACyT.  
1998 Premio Ricardo J. Zevada de la Fundación Zevada.  
2000 Miembro de El Colegio Nacional.  
2004 Medalla Hector Victoria Aguilar del Congreso del Estado de Yucatán.  
2010 Doctorado Honoris Causa de la Universidad Nacional Autónoma de México.  
2010 Nombramiento de Investigador Emérito por la Universidad Nacional Autónoma de México.  
2011 Premio Biblos de la Comunidad Mexicano-Libanesa.  
2013 Medalla Yucatán del Gobierno del Estado de Yucatán.  
2014 Cátedra "Roberto Herrera Hernández" de la Universidad Juárez Autónoma de Tabasco.

#### Distinciones Académicas Internacionales:

1980 Premio Robert J. Trumpler de la Astronomical Society of the Pacific.  
1984 Beca Henri Chrétien de la American Astronomical Society.

- 1986 Premio Manuel Noriega Morales de la Organización de Estados Americanos.
- 1987 Premio Dudley del Observatorio Dudley.
- 1988 Beca Guggenheim de la Fundación Guggenheim.
- 1996 Premio Bruno Rossi de la American Astronomical Society.
- 1997 Premio en Física de la Third World Academy of Sciences.
- 2000 Cátedra de la Fundación Iberdrola, Bilbao, España.
- 2007 Premio Scopus de la Editorial Elsevier.
- 2008 Miembro Extranjero de la National Academy of Sciences de los EUA.
- 2016 Miembro Correspondiente Extranjero de la Real Academia de Ciencias Exactas, Físicas y Naturales de España.
- 2021 Cátedra Karl G. Jansky otorgada por Associated Universities, Inc. en reconocimiento a contribuciones sobresalientes al desarrollo de la radioastronomía.

**Puestos Académico-Administrativos:**

- Director del Instituto de Astronomía de la UNAM (1980-1986).
- Miembro del Comité de Usuarios (1982-1985), del Comité de Supervisión (Visiting Committee) (1995-1998), del Comité Científico del Millimeter Array, luego Atacama Large Millimeter Array (1998-2003), del Comité Científico del EVLA (2004-2008), del Comité de Revisión del proyecto VLASS (VLA Sky Survey (2014-), y del Comité de Asignación de tiempo del NRAO, todos del Observatorio Nacional Radioastronómico de los EUA (NRAO).
- Presidente de la Comisión de Supercómputo de la UNAM (1989-1993),
- Jefe del Departamento de Astrofísica Computacional del IAUNAM (1991-1993).
- Responsable de la Unidad Morelia del IAUNAM (1995-2003).
- Director del Centro de Radioastronomía y Astrofísica de la UNAM (2003-2007).
- Presidente de la División de Radioastronomía de la Unión Astronómica Internacional (2003-2006).
- Presidente de la Sociedad Mexicana de Física (2009-2011).
- Coordinador General del Centro Mesoamericano de Física Teórica de la Universidad Autónoma de Chiapas (2018-)

**Información Adicional:**

Miembro de los Comités Editoriales de Revista Mexicana de Astronomía y Astrofísica 1980-1984, Naturaleza 1980-1986, Ciencia 1984-1992, Astrophysical Letters and Communications 1986-2001, Publications of the Astronomical Society of the Pacific 1987-1991, Revista Mexicana de Física 1990-1992, Revista Mexicana de Astronomía y Astrofísica 2004- .

Coeditor de la Revista Mexicana de Astronomía y Astrofísica (1999-2001)

Arbitro o evaluador para *Ap. J.*, *Astron. and Astrophys.*, *Astronomical Journal*, *M. N. R. A. S.*, *Revista Mexicana de Astronomía y Astrofísica*, *Revista Mexicana de Física*, *Ciencia*, *Science*, *Nature*, National Science Foundation, North Atlantic Treaty Organization, European Southern Observatory, Research Corporation, Centro de Investigación de Astronomía, Fondo Nacional de Desarrollo Científico y Tecnológico, Universidad de Chile, Consejo Nacional de Ciencia y Tecnología, University of Massachusetts, Brown University, National Optical Astronomy Observatories, Boston University, Universidad Autónoma Metropolitana, Comisión Interministerial de Ciencia y Tecnología, National Radio Astronomy Observatory, Fundación Guggenheim, Instituto de Astrofísica de Canarias, National Aeronautics and Space Administration, Rice University, Carnegie Institution, Commissariat à l'Énergie Atomique, Francia, American Astronomical Society, University of Hertfordshire, UK, Alexander von Humboldt Foundation, Alemania, Universidad de Puerto Rico, Puerto Rico, Consejo Estatal de Ciencia y Tecnología de Michoacán, Universidad Autónoma de Yucatán, Boletín de la Asociación Argentina de Astronomía, Fondo para la Investigación Científica y Tecnológica, Argentina, New Mexico Institute of Mining and Technology, EUA, Astronomy Express, Secretaría de los Jóvenes, Gobierno del Estado de Michoacán, Programa UC-MEXUS, Instituto Nacional de Astrofísica, Óptica y Electrónica, Fondo de Cultura Económica, Atacama Large Millimeter Array, Bulletin of the Astronomical Society of India, Consejo Estatal de Ciencia, Tecnología e Innovación del Michoacán, Consejo Nacional de Acreditación de Posgrados, República de Chile, European Research Council.

Miembro de la Comisión Dictaminadora del Sistema Nacional de Investigadores, Area I, (1990-1993), Presidente del Comité de Ciencias Exactas de CONACyT (1991-1992), Miembro del Jurado de los Premios Universidad Nacional en Ciencias Exactas (cuatro ocasiones), Miembro (dos ocasiones) del Comité del Premio Nacional de Ciencias, y Miembro (dos ocasiones) del Comité del Premio México.

Miembro de los Comités Organizadores de las Sigüientes Reuniones (29): Symposium on Herbig-Haro Objects, T Tauri Stars and Related Phenomena (Presidente), México, 1983; Summer School on Interstellar Processes, EUA, 1986; V Latin American Regional Meeting of the IAU (Presidente), México, 1986; Symposium 131 of the International Astronomical Union, Planetary Nebulae, México, 1987; NATO School on Galactic and Extragalactic Star Formation, Canadá, 1987; American Physical Society Conference on Plasma Astrophysics, EUA, 1988; Colloquium 120 of the IAU: Structure and Dynamics of the Interstellar Medium, España, 1989; Third Haystack Observatory Meeting:

Skylines, EUA, 1990; Primera Escuela Mexicana de Astrofísica (Presidente), México, 1991; Astrochemistry of Cosmic Phenomena, Brasil, 1991; The Cold Universe, Francia, 1993; Circumstellar Disks, Outflows, and Star Formation, México, 1994; Radio Emission from the Stars and the Sun, España, 1995; Herbig-Haro Flows and the Birth of Low-Mass Stars, Francia, 1997; XI Reunión Anual de Astronomía, México, 1997; Current and Future Problems in Herbig-Haro Objects, México, 1998; Simposio La Astronomía Hacia el Siglo XXI, México, 1998; XII Reunión Anual de Astronomía, México, 1998; Escuela de Verano de Astrofísica, México, 1999; Science with a Large Millimeter Array, EUA, 1999; XIII Reunión Anual de Astronomía, México, 1998; Disks, Planetesimals, and Planets, España, 2000; XIV Reunión Anual de Astronomía, México (Presidente), 2000; Astronomical Site Evaluation in the Visible and Radio Range, Marruecos, 2000; Emission Lines from Jet Flows, México, 2000; Symposium on Ionized Gaseous Nebulae, México, 2000; IAU Symposium 206, Cosmic Masers: From Protostars to Black Holes, Brasil, 2001; EVLA Planning Workshop: Defining the Second Phase, EUA, 2001; The Environments and Evolution of Double and Multiple Stars: IAU Colloquium 191, México, 2003; Star Formation at High Angular Resolution, IAU Symposium 221, Sydney, Australia, 2003; IV Escuela Mexicana de Astrofísica, Morelia, Michoacán, 2005; Protostars and Planets V, Hawaii, EUA, 2005; XXVI Asamblea General de la UAI, Praga, República Checa, 2006; IAU Symposium 242: Astrophysical Masers and their Environments, Alice Springs, Australia, 2007, IV Reunión Internacional de Astronomía Dinámica en Latinoamérica, El Colegio Nacional, México, 2008; The EVLA Vision: Stars On and Off the Main Sequence, Socorro, New Mexico, EUA, 2009; Astrophysical Outflows and Associated Accretion Phenomena, dentro de la XXVII Asamblea General de la UAI, Rio de Janeiro, Brasil, 2009; XIII Latin American Regional Meeting of the International Astronomical Union (Presidente del Comité Organizador Científico), 2010; Radio Astronomy & the ISM, Durango, Colorado, EUA, 2011, The Soul of High-Mass Star Formation Conference, Puerto Varas, Chile, 2015.

Miembro de las Sigüientes Sociedades Científicas: American Astronomical Society, International Astronomical Union, Sociedad Mexicana de Física, Astronomical Society of the Pacific, Academia Mexicana de Ciencias, Academia de Ciencias de América Latina, Academia de Ciencias del Tercer Mundo.

Investigador Emérito del Sistema Nacional de Investigadores.

Nivel "D" en el PRIDE de la UNAM desde el inicio del programa.

Es autor de más de 400 artículos especializados y ha recibido más de 20,000 citas en la literatura especializada.

Sus resultados astronómicos han aparecido de manera prominente en diversas ocasiones en la prensa y los medios de divulgación nacionales e internacionales y sus trabajos han merecido en dos ocasiones la portada de la Revista "Nature".

Ha dado más de 300 conferencias de astronomía, tanto a nivel profesional como de divulgación. De estas conferencias, 34 han sido reseñas plenarias en conferencias internacionales.

Profesor de la Facultad de Ciencias de la UNAM desde 1979 y de la Escuela de Físico-Matemáticas de la Universidad Michoacana desde 1997.

En el área de divulgación y docencia, es autor de más de setenta artículos y de tres libros. Su libro de divulgación “Un Universo en Expansión” ha rebasado los 125,000 ejemplares vendidos.

En el año 2009 la Secretaría de Educación del Estado de Michoacán nombró a la Escuela Secundaria Federal No. 13 con el nombre “Astrónomo Luis Felipe Rodríguez Jorge”.



## Estudiantes

### Tesis de Licenciatura (12)

Patricia Carral (1980: Determinación de Parámetros en Nubes Moleculares: Emisión de Gas a Altas Velocidades), Yolanda Gómez (1985: Formación de Nebulosas Planetarias), Salvador Curiel (1986: Ondas de Choque en el Medio Interestelar), Eduardo Mendoza (1988: Investigación de Centros de Actividad Solar con Interferómetro de Base Pequeña en Onda de 4 cm), Rosa I. Díaz (1991: Transformadas de Fourier Aplicadas a Radioastronomía), Ariel L. Rosenthal (UMSNH, 1999: Chorros Supersónicos en Regiones de Formación Estelar), Luis A. Zapata (Universidad Autónoma de Coahuila, 2002/05/27: Observaciones de Radio del Objeto AFGL 4029), Ramiro Franco (Universidad de Guadalajara, 2003/03/27: Chorros Térmicos en Estrellas Jóvenes), Daniel Tafoya Martínez (UMSNH, 2003/06/05: Estudio Radiointerferométrico de la fuente MWC 349), Alfonso Trejo Cruz (UMSNH, 2004/11/18: Fuentes Ultraluminosas de Rayos X), Gisela Noemí Ortiz León (UNAM, 2010/12/06: Emisión Variable de Radio Proveniente de Estrellas Masivas), Ariadna Quintana Leal (Facultad de Biología, UMSNH, 2013/06/21: Evolución Química del Universo: La Detección de Vapor de Agua en el Medio Interestelar).

### Tesis de Maestría (6)

José M. Torrelles (1982: La Física del Amoníaco y su Aplicación al Estudio del Medio Interestelar), María J. Labrandero (1986: Nubes Moleculares), Yolanda Gómez (1989: Estrellas OH/IR), Salvador Curiel (1989: Objetos Herbig-Haro), Abraham Ruiz (1989: Física de la Molécula de OH en el Medio Interestelar), Víctor G. Delgado (UMSNH, 2000: Observaciones de Radio del Sistema de Objetos Herbig-Haro 1 y 2).

### Tesis de Doctorado (10)

José M. Torrelles (1983: Estudio de Nubes Moleculares con Flujos de Gas a Alta Velocidad), Yolanda Gómez (1990: Estudio en Radiofrecuencias de Nebulosas Planetarias Jóvenes y Estrellas OH/IR), Abraham Ruiz (1991: OH de Alta Velocidad en Regiones de Formación Estelar), Maripaz Miralles (1993: Estudios de Radiocontinuo, Amoníaco y Vapor de Agua de Fuentes IRAS Brillantes sin Asociación), María E. Contreras (1998: Estudio en la Región de Radio de Vientos en Estrellas Masivas), Mayra Lebrón (2000: Estudio del Gas Alrededor de Estrellas Masivas Jóvenes), Luis A. Zapata (2006/10/30: Observaciones Centimétricas y Milimétricas de Formación Estelar Masiva en la Región OMC1 Sur), Ramiro Franco-Hernández (2009/09/21: Estudio de la Región de Formación de Estrellas Masivas IRAS 16547–4247), Alfonso Trejo Cruz (2010/07/28: Fuentes de Radio No Térmicas hacia el Plano Galáctico), Roberto Galván Madrid (2011/08/8: La Formación de las Estrellas más Masivas de la Galaxia).

### Estudiantes de Verano (Programa de la AMC)

Víctor M. Villanueva (1992), Pedro Ojeda (2000), Luis Zapata (2000), Roberto Arceo (2000).

## Cursos de Posgrado Impartidos

En los programas de Posgrado de la Facultad de Ciencias de la UNAM ha impartido los cursos de Radioastronomía (8 ocasiones), Material Interestelar (3 ocasiones), y Procesos Radiativos en la Astrofísica (7 ocasiones). En el Propedeúutico para ingresar al Posgrado de Astronomía ha impartido el módulo de Medio Interestelar en 3 ocasiones (2011, 2012, 2013). En el programa de Posgrado en Física de la Universidad Michoacana ha impartido el curso de Electrodinámica (1 ocasión: 1997), el de Introducción a la Astrofísica (1 ocasión: 1998), y el Curso Especial de Física: Radioastronomía (1 ocasión: 2002).

### **Participación en las Olimpiadas de Física**

Uno de sus resultados astronómicos formó la base de uno de los tres problemas teóricos de la Olimpiada Internacional de Física de 1998 en Islandia. En la Olimpiada Iberoamericana de Física celebrada en Morelia, Michoacán en 2008, presidió el Comité Organizador Local y produjo uno de los problemas teóricos. En la Olimpiada Internacional de Física celebrada en Mérida, Yucatán en 2009, presidió el Comité Académico y produjo dos de los tres problemas teóricos.

**Publicaciones:**

1. "Ionization Structure of Gaseous Nebulae: Sulphur, Nitrogen and Helium," Peimbert, M., Rodríguez, L.F., y Torres-Peimbert, S. 1974, *Rev. Mexicana Astron. Astrof.*, **1**, 129.
2. "The Ionization Structure of H II Regions of Different Helium Content," Rodríguez, L.F., Torres-Peimbert, S., y Peimbert, M. 1974, *Rev. Mexicana Astron. Astrof.*, **1**, 161.
3. "Detection of Extragalactic Radio Recombination Line Emission from M82," Chaisson, E.J., y Rodríguez, L.F. 1977, *Ap. J. (Lett.)*, **214**, L111.
4. "A Comparative Study of High Radiofrequency and Far-Infrared Observations of Galactic H II Regions," Rodríguez, L.F., y Chaisson, E.J. 1978, *Ap. J.*, **221**, 816.
5. "The Helium Problem in Sagittarius B2," Chaisson, E.J., Lichten, S.M., y Rodríguez, L.F. 1978, *Ap. J.*, **221**, 810.
6. "Broad H94 $\alpha$  Emission from the Extended Thermal Component in the Galactic Center," Rodríguez, L.F., y Chaisson, E.J. 1978, *M. N. R. A. S.*, **184**, 145.
7. "Five New H<sub>2</sub>O Masers Located Near Herbig-Haro Objects," Rodríguez, L.F., Moran, J.M., Dickinson, D.F., y Gyulbudaghian, A.L. 1978, *Ap. J.*, **226**, 115.
8. "The Temperature and Dynamics of the Ionized Gas in the Nucleus of our Galaxy," Rodríguez, L.F., y Chaisson, E.J. 1979, *Ap. J.*, **228**, 734.
9. "A Hydrogen and Helium Radio Recombination Line Survey of Galactic H II Regions at 10 GHz," Lichten, S.M., Rodríguez, L.F., y Chaisson, E.J. 1979, *Ap. J.*, **229**, 524.
10. "Radio Recombination Line Observations of M8 at 5 and 10 GHz," Rodríguez, L.F., y Lichten, S.M. 1979, *Astrophysical Letters*, **20**, 37.
11. "On the Ionizing Agent of the Extended Thermal Component in the Galactic Center," Rodríguez, L.F., y Chaisson, E.J. 1979, *Ap. J.*, **231**, 697.
12. "Radio Observations of Water Vapor, Hydroxyl, Silicon Monoxide, Ammonia, Carbon Monoxide and Compact H II Regions in the Vicinities of Suspected Herbig-Haro Objects," Rodríguez, L.F., Moran, J.M., Ho, P.T.P., y Gottlieb, E.W. 1980, *Ap. J.*, **235**, 845.
13. "Observations of a Compact H II Region and Water Vapor Sources in the Vicinity of the Herbig-Haro Objects 7-11," Haschick, A.D., Moran, J.M., Rodríguez, L.F., Burke, B.F., Greenfield, P., y García-Barreto, J.A. 1980, *Ap. J.*, **237**, 26.
14. "Water Vapor Masers and Star Formation in NGC 6334," Moran, J.M., y Rodríguez, L.F. 1980, *Ap. J. (Lett.)*, **236**, L159.
15. "On the Radio and Near-Infrared Hydrogen Recombination Line Emission from M82," Rodríguez, L.F., y Chaisson, E.J. 1980, *Ap. J.*, **238**, 41.
16. "A Stellar-Wind Focusing Mechanism as an Explanation for the Herbig-Haro Objects," Cantó, J., y Rodríguez, L.F. 1980, *Ap. J.*, **239**, 982.
17. "Anisotropic Mass Outflow in Cepheus A," Rodríguez, L.F., Moran, J.M., y Ho, P.T.P. 1980, *Ap. J. (Lett.)*, **240**, L149.
18. "Observations of HC<sub>3</sub>N and HC<sub>5</sub>N in Sgr B2 and Cloud 2," Rodríguez, L.F., y Chaisson, E.J. 1980, *M. N. R. A. S.*, **192**, 651.

19. "A Search for High-Velocity Water Masers in Regions of Star Formation," García-Barreto, J.A., Rodríguez, L.F., Moran, J.M., y Burke, B.F. 1981, *Rev. Mexicana Astron. Astrof.*, **5**, 87.
20. "The Electron Temperature of W31C and S206," Carral, P., Rodríguez, L.F., y Chaisson, E.J. 1981, *Astron. and Astrophys.*, **95**, 388.
21. "Carbon Monoxide Observations of R. Monocerotis NGC2261 and HH-39: The Interstellar Nozzle," Cantó, J., Rodríguez, L.F., Barral, J.F., y Carral, P. 1981, *Ap. J.*, **244**, 102.
22. "Radio Continuum and Carbon Monoxide Observations of V645 Cygni (GL2789)," Rodríguez, L.F., Torrelles, J.M., y Moran, J.M. 1981, *Astronomical Journal*, **86**, 1245.
23. "Radio Sources in NGC6334," Rodríguez, L.F., Cantó, J., y Moran, J.M. 1982, *Ap. J.*, **255**, 103.
24. "Anisotropic Mass Outflow in Regions of Star Formation," Rodríguez, L.F., Carral, P., Ho, P.T.P., y Moran, J.M. 1982, *Ap. J.*, **260**, 635.
25. "Neutral Hydrogen Associated with the Planetary Nebula NGC6302," Rodríguez, L.F., y Moran, J.M. 1982, *Nature*, 299, 323.
26. "Mass Outflow in Star Formation Regions: Cepheus A," Ho, P.T.P., Moran, J.M., y Rodríguez, L.F. 1982, *Ap. J.*, **262**, 619.
27. "On the Intensity and Shape of Radio Recombination Lines from Ionized Stellar Winds," Rodríguez, L.F. 1982, *Rev. Mexicana Astron. Astrof.*, **5**, 179.
28. "Water Vapor Masers Located Near Herbig-Haro Objects," Haschick, A.D., Moran, J.M., Rodríguez, L.F., y Ho, P.T.P. 1983, *Ap. J.*, **265**, 281.
29. "The Galactic Gradient in Electron Temperature from Observations of Low-Density H II Regions," Garay, G., y Rodríguez, L.F. 1983, *Ap. J.*, **266**, 263.
30. "Stellar Winds and Molecular Clouds: T Tauri Stars," Calvet, N., Cantó, J., y Rodríguez, L.F. 1983, *Ap. J.*, **268**, 739.
31. "Are Interstellar Toroids the Focusing Agent of the Bipolar Molecular Outflows?" Torrelles, J.M., Rodríguez, L.F., Cantó, J., Carral, P., Marcaide, J., Moran, J.M., y Ho, P.T.P. 1983, *Ap. J.*, **274**, 214.
32. "A Search for Molecular Outflows Associated with Peculiar Nebulosities and Regions of Star Formation," Torrelles, J.M., Rodríguez, L.F., Cantó, J., Marcaide, J., y Gyulbudaghian, A.L. 1983, *Rev. Mexicana Astron. Astrof.*, **8**, 147.
33. "Stellar Winds and Molecular Clouds: A Search for Ionized Stellar Winds," Rodríguez, L.F., y Cantó, J. 1983, *Rev. Mexicana Astron. Astrof.*, **8**, 163.
34. "Stellar Winds and Molecular Clouds: Herbig Be and Ae Type Stars," Cantó, J., Rodríguez, L.F., Calvet, N., y Levreault, R.M. 1984, *Ap. J.*, **282**, 631.
35. "Infrared Light Curves of the Central Object of NGC2346: The Shape of the Obscuring Cloud," Roth, M., Echevarría, J., Tapia, M., Carrasco, L., Costero, R., y Rodríguez, L.F. 1984, *Astron. and Astrophys.*, **137**, L9.
36. "On the Abundance of Atomic and Molecular Hydrogen in the Outer Parts of Young Planetary Nebulae," Rodríguez, L.F., y García-Barreto, J.A. 1984, *Rev. Mexicana Astron. Astrof.*, **9**, 153.

37. "Time-Variable, Excess Radio Emission from Cyg OB2 No. 5," Persi, P., Ferrari-Toniolo, M., Tapia, M., Roth, M., y Rodríguez, L.F. 1985, *Astron. and Astrophys.*, **142**, 263.
38. "VLA Observations of Ammonia and Continuum in Regions with High-Velocity Gaseous Outflows," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., y Cantó, J. 1985, *Ap. J.*, **288**, 595.
39. "Herbig-Haro Objects 1 and 2: Another Infrared Candidate for their Energy Source," Rodríguez, L.F., Roth, M., y Tapia, M. 1985, *M. N. R. A. S.*, **214**, 9p.
40. "Detection of Radio Continuum Emission from Herbig-Haro Objects 1 and 2 and from their Central Exciting Source," Pravdo, S.H., Rodríguez, L.F., Curiel, S., Cantó, J., Torrelles, J.M., Becker, R.H., y Sellgren, K. 1985, *Ap. J. (Lett.)*, **293**, L35.
41. "An Ammonia Toroid Aligned Perpendicular to the HH1 and HH2 Bipolar Outflow," Torrelles, J.M., Cantó, J., Rodríguez, L.F., Ho, P.T.P., y Moran, J.M. 1985, *Ap. J. (Lett.)*, **294**, L117.
42. "High Velocity OH Near Young Stellar Objects: L1551," Mirabel, I.F., Rodríguez, L.F., Cantó, J., y Arnal, E.M. 1985, *Ap. J. (Lett.)*, **294**, L39.
43. "Radio Observations of the Young Planetary Nebula NGC6302," Rodríguez, L.F., García-Barreto, J.A., Cantó, J., Moreno, M.A., Torres-Peimbert, S., Costero, R., Serrano, A., Moran, J.M., y Garay, G. 1985, *M. N. R. A. S.*, **215**, 353.
44. "Radio and Infrared Observations of Cyg OB2 No. 5," Rodríguez, L.F., Cantó, J., Sarmiento, A., Roth, M., Tapia, M., Persi, P., y Ferrari-Toniolo, M. 1985, in *Radio Stars* (Reidel: Dordrecht), p. 127.
45. "Multifrequency Observations of the Region Associated with the Cometary Nebula GM24," Tapia, M., Roth, M., Rodríguez, L.F., Cantó, J., Persi, P., Ferrari-Toniolo, M., y López, J.A. 1985, *Rev. Mexicana Astron. Astrof.*, **11**, 83.
46. "Neutral Hydrogen and Continuum VLA Observations of the Planetary Nebulae NGC6302 and NGC2440," Rodríguez, L.F., García-Barreto, J.A., y Gómez, Y. 1985, *Rev. Mexicana Astron. Astrof.*, **11**, 109.
47. "A Search for Radio Continuum Emission from Evolved Stars with Asymmetric OH Maser Emission," Rodríguez, L.F., Gómez, Y., y García-Barreto, J.A. 1985, *Rev. Mexicana Astron. Astrof.*, **11**, 139.
48. "Vientos Estelares y Nubes Moleculares," Calvet, N., Cantó, J., Rodríguez, L.F., y Torrelles, J.M. 1985, *Memorias del Primer Encuentro de Astronomos Iberoamericanos*, p. 152, Granada, España.
49. "High Velocity OH in Star Forming Regions," Mirabel, I.F., Ruiz, A., Rodríguez, L.F., y Cantó, J. 1986, in "Masers, Molecules and Mass Outflows in Star Forming Regions," ed. A.D. Haschick, Haystack Observatory, p.189.
50. "Dense Cores and Bipolar Outflows," Rodríguez, L.F. 1986, in "Masers, Molecules and Mass Outflows in Star Forming Regions," ed. A.D. Haschick, Haystack Observatory, p. 155.
51. "The Double Radio Source Associated with L1551 IRS5: Binary System or Ionized Circumstellar Torus?" Rodríguez, L.F., Cantó, J., Torrelles, J.M., y Ho, P.T.P. 1986, *Ap. J. (Lett.)*, **301**, L25.

52. "Correlations Between Observational Parameters of the Condensations in Herbig-Haro 2," Cantó, J., y Rodríguez, L.F. 1986, *Rev. Mexicana Astron. Astrof.*, **13**, 57.
53. "The Kinetic Temperature Gradient and the Structure of a Thin Molecular Disk in Cepheus A," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., y Cantó, J. 1986, *Ap. J.*, **305**, 721.
54. "Ammonia Observations of Regions with Molecular Outflows," Torrelles, J.M., Ho, P.T.P., Moran, J.M., Rodríguez, L.F., y Cantó, J. 1986, *Ap. J.*, **307**, 787.
55. "Rotating and Expanding Ultracompact H II Regions," Garay, G., Rodríguez, L.F., y Van Gorkom, J.H. 1986, *Ap. J.*, **309**, 553.
56. "Bipolar Outflows: What is the Collimating Mechanism?" Rodríguez, L.F. 1986, *Publications of the Astronomical Society of the Pacific*, **98**, 1012.
57. "Elongated Structures Near Stars: Jets or Projection Effects?" Cantó, J., Sarmiento, A., y Rodríguez, L.F. 1986, *Rev. Mexicana Astron. Astrof.*, **13**, 107.
58. "Radial Systems of Dark Globules in the Association Cep OB2," Gyulbudaghian, A.L., Rodríguez, L.F., y Cantó, J. 1986, *Astrophysics*, **24**, 201.
59. "Disks and Toroids around Young Stars," Rodríguez, L.F. 1987, in "Star Forming Regions," IAU Symp. 115, ed M. Peimbert, y J. Jugaku (Dordrecht: Reidel), p. 239.
60. "Three New H<sub>2</sub>O Masers Located Near Herbig-Haro-Like Nebulosities," Gyulbudaghian, A.L., Rodríguez, L.F., y Mendoza-Torres, E. 1987, *Rev. Mexicana Astron. Astrof.*, **15**, 53.
61. "Infrared Photometry of Brun 276," Mendoza, E.E., y Rodríguez, L.F. 1987, *Information Bulletin on Variable Stars*, No. 2996.
62. "High Angular Resolution CO Mapping of the High-Velocity Gas Associated with HL/XZ Tau and V645 Cyg (GL 2789)," Torrelles, J.M., Anglada, G., Rodríguez, L.F., Cantó, J., y Barral, J.F. 1987, *Astron. and Astrophys.*, **177**, 171.
63. "OH Outflows in Star-Forming Regions," Mirabel, I.F., Ruiz, A., Rodríguez, L.F., y Cantó, J. 1987, *Ap. J.*, **318**, 729.
64. "A Model for the Thermal Radio Continuum Emission Produced by a Shock Wave and its application to the Herbig-Haro Objects 1 and 2," Curiel, S., Cantó, J., y Rodríguez, L.F. 1987, *Rev. Mexicana Astron. Astrof.*, **14**, 595.
65. "VLA Observations of Twice Ionized Helium in NGC6302," Gómez, Y., Rodríguez, L.F., y García-Barreto, J.A. 1987, *Rev. Mexicana Astron. Astrof.*, **14**, 560.
66. "Interaction of the High-Density Gas with the Bipolar Outflow in Cepheus A," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., Cantó, J., y Moran, J.M. 1987, *Ap. J.*, **321**, 884.
67. "Protoplanetary Nebulae," Rodríguez, L.F. 1987, in *Planetary and Protoplanetary Nebulae: From IRAS to ISO*, ed. A. Preite Martínez (Reidel: Dordrecht), p. 55.
68. "Are the High-Velocity Molecular Outflows Really Clumpy?" Cantó, J., Rodríguez, L.F., y Anglada, G. 1987, *Ap. J.*, **321**, 877.
69. "The Spectral Hallmark of a Contracting Protostellar Fragment," Anglada, G., Rodríguez, L.F., Cantó, J., Estalella, R., y López, R. 1987, *Astron. and Astrophys.*, **186**, 280.

70. "Water Vapor Masers Associated with Young Visible Stars," Rodríguez, L.F., Haschick, A.D., Torrelles, J.M., y Myers, P.C. 1987, *Astron. and Astrophys.*, **186**, 319.
71. "Observational Evidence of a Possible Collimating Agent of the HH1-2 Outflow," Marcaide, J.M., Torrelles, J.M., Gusten, R., Menten, K.M., Ho, P.T.P., Moran, J.M., y Rodríguez, L.F. 1988, *Astron. and Astrophys.*, **197**, 235.
72. "Neutral Stellar Winds that Drive Bipolar Outflows in Low-Mass Protostars," Lizano, S., Heiles, C., Rodríguez, L.F., Koo, B., Shu, F.H., Hasegawa, T., Hayashi, S., y Mirabel, I.F. 1988, *Ap. J.*, **328**, 763.
73. "The Blister H II Region Associated with GM24," Roth, M., Tapia, M., Gómez, Y., y Rodríguez, L.F. 1988, *Rev. Mexicana Astron. Astrof.*, **16**, 3.
74. "Multifrequency Observations of the Cometary Nebula P18 (NGC 2316)," López, J. A., Roth, M., Friedman, S. D., y Rodríguez, L.F. 1988, *Rev. Mexicana Astron. Astrof.*, **16**, 99.
75. "The Bipolar H II Region NGC 6334(A)," Rodríguez, L.F., Cantó, J., y Moran, J.M. 1988, *Ap. J.*, **333**, 801.
76. "Interstellar and Circumstellar Toroids," Rodríguez, L.F. 1988, in "Galactic and Extragalactic Star Formation," ed. R. E. Pudritz, y M. Fich (Kluwer Academic Publishers), p. 97.
77. "VLA Observations of the High-Velocity Bipolar OH Absorption in L1551," Rodríguez, L.F., Cantó, J., Mirabel, I. F, y Ruiz, A. 1989, *Ap. J.*, **337**, 712.
78. "Ammonia Observations of Outflow Regions," Anglada, G., Rodríguez, L.F., Torrelles, J. M, Estalella, R., Ho, P. T.P, Cantó, J., López, R., y Verdes-Montenegro, L. 1989, *Ap. J.*, **341**, 208.
79. "The Asymmetric Profile of the H76 $\alpha$  Line Emission from MWC349," Escalante, V. Rodríguez, L.F., Moran, J. M., y Cantó, J. 1989, *Rev. Mexicana Astron. Astrof.*, **17**, 11.
80. "Detection of Radio Continuum Emission from the Herbig-Haro Objects 80 and 81 and Their Suspected Energy Source," Rodríguez, L.F. y Reipurth, B. 1989, *Rev. Mexicana Astron. Astrof.*, **17**, 59.
81. "Radio Recombination Line Observations of Compact Planetary Nebulae," Garay, G., Gathier, R., y Rodríguez, L.F. 1989, *Astron. and Astrophys.*, **215**, 101.
82. "Molecules and Neutral Hydrogen in Planetary Nebulae," Rodríguez, L.F. 1989, in "Planetary Nebulae," IAU Symp. 131, ed S. Torres-Peimbert (Dordrecht: Reidel), p. 129.
83. "Ammonia Observations of the AFGL 2591 Region: A Possible Cavity in the Molecular Cloud," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., y Cantó, J. 1989, *Ap. J.*, **343**, 222.
84. "Extended Radio Continuum Emission Associated with V645 Cygni and MWC 1080," Curiel, S., Rodríguez, L.F., Cantó, J., Bohigas, J., Roth, M., y Torrelles, J.M. 1989, *Astrophys. Letters and Comm.*, **27**, 299.
85. "Water-vapor Maser Emission from Bright, Unassociated IRAS Point Sources," Scalise, E., Rodríguez, L.F., y Mendoza-Torres, E. 1989, *Astron. and Astrophys.*, **221**, 105.

86. "Radio Observations of Herbig-Haro Objects," Rodríguez, L.F. 1989, *Rev. Mexicana Astron. Astrof.*, **18**, 45.
87. "Near-infrared Images of Young Objects in the HH1-2 and HH3 Regions," Roth, M., Tapia, M., Rubio, M. y Rodríguez, L.F. 1989, *Astron. and Astrophys.*, **222**, 211.
88. "The Distance to NGC 6302," Gómez, Y., Moran, J.M., Rodríguez, L.F. y Garay, G. 1989, *Ap. J.*, **345**, 862.
89. "Anomalous OH Emission in Galactic Star-Forming Regions: A Clue to the Megamaser Phenomenon?," Mirabel, I.F, Rodríguez, L.F., y Ruiz, A. 1989, *Ap. J.*, **346**, 180.
90. "Further Studies of the Role of Dense Molecular Clouds Around Outflow Sources," Verdes-Montenegro, L., Torrelles, J.M., Rodríguez, L.F., Anglada, G., López, R., Estalella, R., Cantó, J. y Ho, P.T.P. 1989, *Ap. J.*, **346**, 193.
91. "VLA Observations of Ammonia and Continuum in Regions with High-Velocity Gaseous Outflows," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., Cantó, J. y Verdes-Montenegro, L., 1989, *Ap. J.*, **346**, 756.
92. "Large Proper Motions in the Remarkable Triple Radio Source in Serpens," Rodríguez, L.F., Curiel, S., Moran, J.M., Mirabel, I.F., Roth, M. y Garay, G. 1989, *Ap. J. (Lett.)*, **346**, L85.
93. "New Nebular Objects in the L1551 Region," Rodríguez, L.F., Cantó, J., Moreno, M.A. y López, J.A. 1989, *Rev. Mexicana Astron. Astrof.*, **17**, 111.
94. "A Candidate for the Exciting Source of the Powerful Molecular Outflow NGC 2264G," Rodríguez, L.F. y Curiel, S. 1989, *Rev. Mexicana Astron. Astrof.*, **17**, 115.
95. "A Search for Radio Sources Near Double Herbig-Haro Objects," Curiel, S., Rodríguez, L.F., Cantó, J. y Torrelles, J.M. 1989, *Rev. Mexicana Astron. Astrof.*, **17**, 137.
96. "Radio Continuum Observations of IRAS Sources Associated with Dense Cores," Rodríguez, L.F., Myers, P.C., Cruz-González, I. y Terebey, S. 1989, *Ap. J.*, **347**, 461.
97. "Disks and Outflows," Rodríguez, L.F. 1989, en "Structure and Dynamics of the Interstellar Medium," IAU Coll. 120, ed G. Tenorio-Tagle, M. Moles, y J. Melnick (Springer-Verlag: Berlin), p. 197.
98. "Large-Scale CS Structures in Star-Forming Regions," López, R., Anglada, G., Estalella, R., Buj, J., Planesas, P., Rodríguez, L.F., y Haschick, A. D. 1989, en "Modeling the Stellar Environment: How and Why?," Fourth IAP Astrophysics Meeting, ed P. Delache, S. Laloe, C. Magnan, y J. Tran Thanh Van (Editions Frontieres: Paris), p. 269.
99. "On the CO Profile of a Contracting Protostellar Envelope," Anglada, G., Estalella, R., Rodríguez, L.F., Cantó, J., y López, R. 1989, *Newsletter on Analysis of Astronomical Spectra*, **13**, 22.
100. "The Large Scattering Disk of NGC 6334B," Moran, J. M., Rodríguez, L.F., Greene, B. y Backer, D. C. 1990, *Ap. J.*, **348**, 147.
101. "Monoceros R2: Interactions of a Molecular Cloud Core with a Stellar Wind?," Torrelles, J.M., Ho, P.T.P., Rodríguez, L.F., y Cantó, J., 1990, *Ap. J.*, **349**, 529.



102. "VLA Observations of the Herbig-Haro 1-2 System," Rodríguez, L.F., Ho, P.T.P., Torrelles, J.M., Curiel, S., y Cantó, J., 1990, *Ap. J.*, **352**, 645.
103. "New H<sub>2</sub>O Masers in Color-Selected IRAS Point Sources," Gyulbudaghian, A.L., Rodríguez, L.F. y Curiel, S. 1990, *Rev. Mexicana Astron. Astrof.*, **20**, 51.
104. "H<sub>2</sub>O and SiO Maser Emission in OH/IR Stars," Gómez, Y., Moran, J.M. y Rodríguez, L.F. 1990, *Rev. Mexicana Astron. Astrof.*, **20**, 55.
105. "Morphology and Kinematics of the Molecular Cloud Associated with GM24," Gómez, J.F., Torrelles, J.M., Tapia, M., Roth, M., Verdes-Montenegro, L., y Rodríguez, L.F. 1990, *Astron. and Astrophys.*, **234**, 447.
106. "Compact Radio and Infrared sources near the Center of the Bipolar Outflow NGC 2264D," Mendoza, E.E., Rodríguez, L.F., Chavarría, C. y Neri, L. 1990, *M. N. R. A. S.*, **246**, 518.
107. "The Compact Molecular Core Toward G34.3+0.2: VLA Observations in the (2,2) and (3,3) Lines of Ammonia," Garay, G., y Rodríguez, L.F. 1990, *Ap. J.*, **362**, 191.
108. "Bipolar Outflows: Evolutionary and Global Considerations," Rodríguez, L.F. 1990, in *The Evolution of the Interstellar Medium*, Astronomical Society of the Pacific Conference Series, Volume 12, ed. L. Blitz, p. 183.
109. "VLA Observations of High-Velocity H I Associated with the Herbig-Haro Objects 7-11," Rodríguez, L.F., Lizano, S., Cantó, J., Escalante, V. y Mirabel, I.F. 1990, *Ap. J.*, **365**, 261.
110. "The Exciting Source of the Bipolar Outflow in L1448," Curiel, S. Raymond, J.C., Rodríguez, L.F., Cantó, J. y Moran, J.M. 1990, *Ap. J. (Lett.)*, **365**, L85.
111. "On the Connection Between the IRAS Point Sources and Galactic Nonstable Objects," Gyulbudaghian, A.L., Schwartz, R.D., y Rodríguez, L.F. 1990, in *Flare Stars in Star Clusters, Associations and the Solar Vicinity*, IAU Colloquium, ed. L.V. Mirzoyan, p. 279.
112. "Thermal and Non-thermal Radio Emission from Cyg OB2 No. 5," Persi, P., Tapia, M., Rodríguez, L.F., Ferrari-Toniolo, M., y Roth, M. 1990, *Astron. and Astrophys.*, **240**, 93.
113. "Radio Continuum from FU Orionis Stars" Rodríguez, L.F., Hartmann, L.W., y Chavira, E. 1990, *Pub. Astron. Soc. Pacific*, **102**, 1413.
114. "Multifrequency VLA Observations of Radio Continuum from IRAS 16293-2422," Estalella, R. Anglada, G., Rodríguez, L.F., y Garay, G. 1991, *Ap. J.*, **371**, 626.
115. "Radio Observations of H II Regions with Narrow Radio Recombination Lines," Planesas, P., Gómez-González, J., Rodríguez, L.F., y Cantó, J. 1991, *Rev. Mexicana Astron. Astrof.*, **22**, 19.
116. "A Double Radio Source at the Center of the Outflow in L723," Anglada, G., Estalella, R. Rodríguez, L.F., Torrelles, J.M., López, R., y Cantó, J. 1991, *Ap. J.*, **376**, 615.
117. "The Dense Molecular Envelope Around the Compact H II Region G5.89-0.39 (W28 A2)," Gómez, Y., Rodríguez, L.F., Garay, G., y Moran, J.M. 1991, *Ap. J.*, **377**, 519.
118. "The Radio Continuum Spectrum of Partially Ionized Globules," Pastor, J., Cantó, J., y Rodríguez, L.F., 1991, *Astron. and Astrophys.*, **246**, 551.

119. "On the Observable Signatures of a Contracting Protostellar Fragment," Anglada, G., Estalella, R., Rodríguez, L. F., Cantó, J., y López, R., 1991, *Astron. and Astrophys.*, **252**, 639.
120. "The Triple Radio Continuum Source in Serpens: Its Interaction with the Ambient Molecular Gas," Torrelles, J. M., Gómez, J. F., Curiel, S., Eiroa, C., Rodríguez, L. F., y Ho, P. T. P., 1992, *Ap. J. (Lett.)*, **384**, L59.
121. "Carbon Monoxide Emission from the Planetary Nebula M3-28," Gómez, Y., Rodríguez, L. F., y Garay, G., 1992, *Astron. and Astrophys.*, **258**, 469.
122. "VLA Imaging of a Possible Circumstellar Disk Around HL Tau," Rodríguez, L. F., Cantó, J., Torrelles, J. M., Gómez, J. F., y Ho, P. T. P., 1992, *Ap. J. (Lett.)*, **393**, L29.
123. "Determination of the  $\text{He}^+/\text{H}^+$  Ratio from  $\alpha$ ,  $\beta$ , and  $\gamma$  Radio Recombination Lines," Peimbert, M., Rodríguez, L. F., Bania, T., Rood, R. T., and Wilson, T. L. 1992, *Ap. J.*, **395**, 484.
124. "Radio Continuum from the Powering Sources of the RNO43, Haro 4-255 FIR, B335, and PV Cephei Outflows and from the Herbig-Haro Object 32A," Anglada, G., Rodríguez, L. F., Cantó, J., Estalella, R., y Torrelles, J.M., 1992, *Ap. J.*, **395**, 494.
125. "On the Nature of the Centimeter Radio Continuum Emission from the FU Orionis Stars V1057 Cyg and Elias 1-12," Rodríguez, L.F., y Hartmann, L. W. 1992, *Rev. Mexicana Astron. Astrof.*, **24**, 135.
126. "Upper Limits for the Mass Loss Rates from Central Stars of Planetary Nebulae," Gómez, Y., Rodríguez, L. F., Moran, J. M., Abad, C., y Moreno, M. A. 1992, *Rev. Mexicana Astron. Astrof.*, **24**, 143.
127. "A Double-sided Radio Jet from The Compact Galactic Centre Annihilator 1E1740.7-2942" Mirabel, I. F, Rodríguez, L.F., Cordier, B., Paul, J., y Lebrun, F. 1992, *Nature*, 358, 215.
128. "On the Nature of the Excitation of Herbig-Haro Object 2," Torrelles, J. M., Rodríguez, L. F., Cantó, J., Anglada, G., Gómez, J. F., Curiel, S., y Ho, P. T. P., 1992, *Ap. J. (Lett.)*, **396**, L95.
129. "High Velocity OH in Absorption: A New Tracer of Shocked Gas in Outflows?," Ruiz, A., Rodríguez, L. F., Cantó, J. y Mirabel, I. F. 1992, *Ap. J.*, **398**, 139.
130. "H Atom Observations in Near-Stellar Environments ," Rodríguez, L.F. 1992, in "Astrochemistry of Cosmic Phenomena," ed. P. D. Singh (Kluwer Academic Publishers), p. 351.
131. "The Radio Counterpart of the Hard X-Ray Source GRS 1758-258," Rodríguez, L. F., Mirabel, I. F., y Martí, J. 1992, *Ap. J. (Lett.)*, **401**, L15.
132. "A Circumstellar Molecular Gas Structure Associated with the Massive Young Star Cepheus A-HW 2," Torrelles, J. M., Rodríguez, L. F., Cantó, J., y Ho, P. T. P. 1993, *Ap. J. (Lett.)*, **404**, L75.
133. "Nebulous Objects on the ESO/SRC J Plates," Gyulbudaghian, A. L., Rodríguez, L. F., y Villanueva, V. M. 1993, *Rev. Mexicana Astron. Astrof.*, **25**, 19.
134. "Possible Radio Spectral Indices from Inhomogeneous Free-free Sources," Rodríguez, L. F., Martí, J., Cantó, J., Moran, J. M., y Curiel, S. 1993, *Rev. Mexicana Astron. Astrof.*, **25**, 23.

135. "Further Studies on the Champagne Phase of GM 24 (IRAS 17136-3617)." Gómez, J. F., Torrelles, J. M., Tapia, M. Gómez, Y., Rodríguez, L. F., Roth, M., y Ho, P. T. P. 1993, *Ap. J.*, **409**, 269.
136. "A Flattened Cloud Core in NGC 2024," Ho, P. T. P., Peng, Y., Torrelles, J. M., Gómez, J. F., Rodríguez, L. F., y Cantó, J. 1993, *Ap. J.*, **408**, 565.
137. "VLA Observations of the Hard X-Ray Sources 1E1740.7-2942 and GRS1758-258" Mirabel, I. F, Rodríguez, L.F., Cordier, B., Paul, J., y Lebrun, F. 1993, *Astron. and Astrophys. (Supp.)*, **97**, 193.
138. "Upper Limits to the Detection of Ammonia from Protoplanetary Disks Around HL Tauri and L1551-IRS5," Gómez, J. F., Torrelles, J. M., Ho, P. T. P., Rodríguez, L. F., y Cantó, J. 1993, *Ap. J.*, **414**, 333.
139. "The Triple Radio Continuum Source in Serpens: The Birth of a Herbig-Haro System?," Curiel, S., Rodríguez, L. F., Moran, J. M., y Cantó, J. 1993, *Ap. J.*, **415**, 191.
140. "From Bipolar to Quadrupolar: The Collimation Processes of the Cepheus A Outflow," Torrelles, J. M., Verdes-Montenegro, L., Rodríguez, L. F., Cantó, J., y Ho, P. T. P. 1993, *Ap. J.*, **410**, 202.
141. "Compact Ammonia Sources toward the G10.5+0.0 H II Region Complex," Garay, G., Moran, J. M., y Rodríguez, L. F. 1993 *Ap. J.*, **413**, 582.
142. "A Unified Stellar Jet/Molecular Outflow Model," Raga, A. C., Cantó, J., Calvet, N., Rodríguez, L. F., y Torrelles, J. M. 1993, *Astron. and Astrophys.*, **276**, 539.
143. "HH 80-81: A Highly Collimated Herbig-Haro Complex Powered by a Massive Young Star," Martí, J., Rodríguez, L. F. y Reipurth, B. 1993, *Ap. J.*, **416**, 208.
144. "Detection of the Angular Expansion and Determination of the Distance to the Planetary Nebula NGC 6302," Gómez, Y., Rodríguez, L. F. y Moran, J. M. 1993 *Ap. J.*, **416**, 620.
145. "Ammonia Emission Downstream of the Herbig-Haro Object 1," Torrelles, J. M., Gómez, J. F., Ho, P. T. P., Anglada, G., Rodríguez, L. F., y Cantó, J. 1993, *Ap. J. (Lett.)*, **417**, 655.
146. "VLA Observations of Strong IRAS Point Sources Associated with Compact H II Regions," Garay, G., Rodríguez, L. F., Moran, J. M., y Churchwell, E. 1993 *Ap. J.*, **418**, 368-385.
147. "A Radio Candidate for the Exciting Source of the L1287 Bipolar Outflow," Anglada, G., Rodríguez, L. F., Girart, J. M., Estalella, R., y Torrelles, J. M. 1994, *The Astrophysical Journal (Letters)*, 420, L91-L93.
148. "The Radio/Infrared Counterpart of the Hard X-Ray Transient in Aquila: A Possible Source of Repeated Soft Gamma-Ray Bursts," Mirabel, I. F, Duc, P. A., Rodríguez, L.F., Teyssier, R., Paul, J., Claret, A., Auriere, M., Golombek, D., y Martí, J. 1994, *Astronomy and Astrophysics*, 282, L17-L20.
149. "The Exciting Source of the Herbig-Haro 111 Jet Complex: VLA Detection of a One-Sided Radio Jet," Rodríguez, L.F. y Reipurth, B. 1994, *Astronomy and Astrophysics*, 281, 882-888.
150. "VLA Observations of Cyg OB2 No. 5: Detection of a Weak Radio Companion and New Observations and Models for the Main Component ," Miralles, M.P.,

- Rodríguez, L.F. Tapia, M., Roth, M., Persi, P., Ferrari-Toniolo, M. y Curiel, S. 1994, *Astronomy and Astrophysics*, 282, 547-553.
151. "Anomalous Water Masers in OH/IR Stars," Gómez, Y., Rodríguez, L.F., Contreras, M.E. y Moran, J.M. 1994, *Revista Mexicana de Astronomía y Astrofísica*, 28, 97-102.
  152. "Radio Continuum, Ammonia, and Water Maser Observations of Bright, Unassociated IRAS Point Sources," Miralles, M.P., Rodríguez, L.F. y Scalise, E. 1994, *The Astrophysical Journal (Supplements)*, 92, 173-188.
  153. "Subarcsecond VLA Maps of the Disk and the Jet in HL Tauri," Rodríguez, L. F., Cantó, J., Torrelles, J. M., Gómez, J.F., Anglada, G., y Ho, P.T.P. 1994, *The Astrophysical Journal (Letters)*, 427, L103-L106.
  154. "Rotation in the Ionized Envelope of MWC 349A," Rodríguez, L. F. y Bastian, T.S. 1994, *The Astrophysical Journal*, 428, 324-328
  155. "Cepheus A HW2: A Powerful Thermal Radio Jet," Rodríguez, L. F., Garay, G., Curiel, S., Ramírez, S., Torrelles, J. M., Gómez, Y, y Velázquez, A. 1994, *The Astrophysical Journal (Letters)*, 430, L65-L68.
  156. "A Superluminal Source in the Galaxy," Mirabel, I. F. y Rodríguez, L. F. 1994, *Nature*, 371, 46-48.
  157. "Radio Continuum Observations of Disks and Outflows in Young Stars," Rodríguez, L. F. 1994, *Revista Mexicana de Astronomía y Astrofísica*, 29, 69-78.
  158. "The Optical and Radio Counterpart of the X-ray Nova Ophiuchi 1993," Della Valle, M., Mirabel, I. F. y Rodríguez, L. F. 1994, *Astronomy and Astrophysics*, 290, 803-806.
  159. "The Puzzling Distribution of the High-Density Molecular Gas in HH 1-2: A Contracting Interstellar Toroid?," Torrelles, J. M., Gómez, J. F., Ho, P. T. P., Rodríguez, L. F., Anglada, G., y Cantó, J. 1994, *The Astrophysical Journal*, 435, 290-312.
  160. "Ammonia Downstream from HH 80 North," Girart, J. M., Rodríguez, L. F., Anglada, G., Estalella, R., Torrelles, J. M., Martí, J., Peña, M., Ayala, S., Curiel, S., y Noriega-Crespo, A. 1994, *The Astrophysical Journal (Letters)*, 435, L145-L148.
  161. "The Molecular Core and the Powering Source of the Bipolar Molecular Outflow NGC 2264G," Gómez, J.F., Curiel, S., Torrelles, J. M., Rodríguez, L. F., Anglada, G., y Girart, J. M. 1994, *The Astrophysical Journal*, 436, 749-753.
  162. "The Molecular Environment of the HH 34 System," Anglada, G., Estalella, R., Mauersberger, R., Torrelles, J. M., Rodríguez, L. F., Cantó, J., Ho, P. T. P., y D'Alessio P. 1995, *The Astrophysical Journal*, 443, 682-697.
  163. "Ultracompact H II Regions: Are Their Lifetimes Extended by Dense, Warm Environments?," De Pree, C. G., Rodríguez, L. F., y Goss, W. M. 1995, *Revista Mexicana de Astronomía y Astrofísica*, 31, 39-44.
  164. "Subarcsecond Observations of Radio Continuum from Jets and Disks," Rodríguez, L. F. 1995, *Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias)*, 1, 1-10.
  165. "Rotation and Outflow in Compact H II Regions: VLA Observations of the Molecular and Ionized Gas in NGC 6334A and NGC 6334F," De Pree, C. G.,

- Rodríguez, L. F., Dickel, H. R., y Goss, W. M. 1995, *The Astrophysical Journal*, 447, 220-235.
166. "Large Proper Motions and Ejection of New Condensations in the HH 80-81 Thermal Jet," Martí, J., Rodríguez, L. F., y Reipurth, B. 1995, *The Astrophysical Journal*, 449, 184-187.
167. "Radio Monitoring of GRS 1915+105," Rodríguez, L. F., Gerard, E., Mirabel, I. F., Gómez, Y., y Velázquez, A. 1995, *The Astrophysical Journal (Supplements)*, 101, 173-179.
168. "Thermal Jets and H<sub>2</sub>O Masers: The Case of HH 80-81," Gómez, Y., Rodríguez, L. F., y Martí, J. 1995, *The Astrophysical Journal*, 453, 268-270.
169. "Radio Continuum Detection of the Exciting Sources of the DG Tauri B and L1551NE Outflows," Rodríguez, L. F., Anglada, G., y Raga, A. 1995, *The Astrophysical Journal (Letters)*, 454, L149-L152.
170. "The Discovery of a Bipolar, Rotating, Episodic Jet (BRET) in the Planetary Nebula KJpN 8," López, J. A., Vázquez, R., y Rodríguez, L. F., 1995, *The Astrophysical Journal (Letters)*, 455, L63-L66.
171. "High-Velocity Ammonia Emission Associated with the Young Stellar Object Serpens FIRS 1," Curiel, S., Rodríguez, L. F., Gómez, J. F., Torrelles, J. M., Ho, P. T. P., & Eiroa, C. 1996, *The Astrophysical Journal*, 456, 677-682
172. "The Thermal Radio Jet of Cepheus A HW2 and the Water Maser Distribution at 0.08 Arc Sec Scale (60 AU)," Torrelles, J. M., Gómez, J. F., Rodríguez, L. F., Curiel, S., Ho, P. T. P., & Garay, G. 1996, *The Astrophysical Journal (Letters)*, 457, L107-L110
173. "The Nature of the Radio Sources within the Cepheus A Star-forming Region," Garay, G., Ramírez, S., Rodríguez, L. F., Curiel, S., & Torrelles, J. M. 1996, *The Astrophysical Journal*, 459, 193-208
174. "A Search for Arcminute-scale radio jets in Cygnus X-1," Martí, J., Rodríguez, L. F., Mirabel, I. F., & Paredes, J. M. 1996, *Astronomy and Astrophysics*, 306, 449-452
175. "A CS and NH<sub>3</sub> Survey of Regions with H<sub>2</sub>O Maser Emission," Anglada, G., Estalella, R., Pastor, J., Rodríguez, L. F., & Haschick, A. D. 1996, *The Astrophysical Journal*, 463, 205-223
176. "Infrared and Millimeter Observations of the Galactic Superluminal Source GRS 1915+105," Chaty, S., Mirabel, I. F., Duc, P. A., Wink, J. E., & Rodríguez, L. F. 1996, *Astronomy and Astrophysics*, 310, 825-830
177. "Simultaneous Multiwavelength Observations of Dwarf Novae. I. SU Ursae Majoris: Minihumps at a Minioutburst?" Echevarría, J. et al. 1996, *The Astrophysical Journal*, 467, 851-859
178. "VLA Observations of Massive Stars at 7-mm," Contreras, M. E., Rodríguez, L. F., Gómez, Y., & Velázquez, A. 1996, *The Astrophysical Journal*, 469, 329-335
179. "Subarcsecond Observations of HL Tauri: Imaging the Circumstellar Disk," Wilner, D. J., Ho, P. T. P., & Rodríguez, L. F. 1996, *The Astrophysical Journal (Letters)*, 470, L117-L121

180. "VLA Detection of the Exciting Sources of HH 34, HH 114, and HH 199," Rodríguez, L. F. & Reipurth, B. 1996, *Revista Mexicana de Astronomía y Astrofísica*, 32, 27-33
181. "Infrared Observations of an Energetic Outburst in GRS 1915+105," Mirabel, I. F., Rodríguez, L. F., Chaty, S., Sauvage, M., Gerard, E., Duc, P. A., Castro-Tirado, A., & Callanan, P. 1996, *The Astrophysical Journal (Letters)*, 472, L111-L114
182. "A Thermal Radio Jet Associated with the Quadrupolar Molecular Outflow in L723," Anglada, G., Rodríguez, L. F., & Torrelles, J. M. 1996, *The Astrophysical Journal (Letters)*, 473, L123-L126
183. "The Kinematics of the Extensive Bipolar Lobes and Symmetric Knots of the Planetary Nebula KJpN 8 (PK 112-00 1)," López, J. A., Meaburn, J., Bryce, M., & Rodríguez, L. F. 1997, *The Astrophysical Journal*, 475, 705-709
184. "Fast Sinusoidal Oscillations in the Radio Flux of GRS 1915+105," Rodríguez, L. F. & Mirabel, I. F. 1997, *The Astrophysical Journal (Letters)*, 474, L123-L125
185. "The Superluminal Source GRS 1915+105: A High Mass X-Ray Binary?," Mirabel, I. F., Bandyopadhyay, R., Charles, P. A., Shahbaz, T., & Rodríguez, L.F. 1997, *The Astrophysical Journal (Letters)*, 477, L45-L48
186. "Hard X-Ray Signature of Plasma Ejection in the Galactic Jet Source GRS 1915+105," Harmon, B. A., Deal, K. J., Paciesas, W. S., Zhang, S. N., Robinson, C. R., Gerard, E., Rodríguez, L. F., & Mirabel, I. F. 1997, *The Astrophysical Journal (Letters)*, 477, L85-L88
187. "A Search for Larson-Type Relations in Numerical Simulations of the ISM: Evidence for Nonconstant Column Densities," Vázquez-Semadeni, E., Ballesteros-Paredes, J., & Rodríguez, L.F. 1997, *The Astrophysical Journal*, 474, 292-307
188. "Is SVS 13 the Exciting Source of the HH 7-11 Flow?," Rodríguez, L.F., Anglada, G., & Curiel, S. 1997, *The Astrophysical Journal (Letters)*, 480, L125-L128
189. "Candidate Planetary Nebulae Near the Galactic Center," Gómez, Y., Rodríguez, L.F., & Mirabel, I. F. 1997, *Revista Mexicana de Astronomía y Astrofísica*, 33, 25-30
190. "A candidate optical and infrared counterpart for GRS 1739-278," Martí, J., Mirabel, I. F., Duc, P. A., & Rodríguez, L.F. 1997, *Astronomy & Astrophysics*, 323, 158-162.
191. "Detection of 7 Millimeter Sources near Cometary H II Regions," Carral, P., Kurtz, S. E., Rodríguez, L.F., DePree, C., & Hofner, P. 1997, *The Astrophysical Journal (Letters)*, 486, L103-L106.
192. "Hipparcos, VLA, and CCD Observations of Cygnus OB2 No. 5: Solving the Mystery of the Radio "Companion",," Contreras, M.E., Rodríguez, L.F., Tapia, M., Cardini, D., Emanuele, A., Badiali, M., & Persi, P. 1997, *The Astrophysical Journal (Letters)*, 488, L153-L156.
193. "X-Ray Timing in 1E 1740.7-2942 and GRS 1758-258," Smith, D.M., Heindl, W.A., Swank, J., Leventhal, M., Mirabel, I.F., & Rodríguez, L.F. 1997, *The Astrophysical Journal (Letters)*, 489, L51-L54.

194. "The Ammonia Core in L723: Hot Spots at the Center of the Quadrupolar Molecular Outflow," Girart, J.M., Estalella, R., Anglada, G., Torrelles, J.M., Ho, P.T.P., & Rodríguez, L.F. 1997, *The Astrophysical Journal*, 489, 734-741.
195. "Photodissociated H I in NGC 2023," Lebrón, M. & Rodríguez, L.F. 1997, *Revista Mexicana de Astronomía y Astrofísica*, 33, 165-171.
196. "A Radio Jet-H<sub>2</sub>O Maser System in W75N(B) at a 200 AU Scale: Exploring the Evolutionary Stages of Young Stellar Objects." Torrelles, J.M., Gómez, J.F., Rodríguez, L.F., Ho, P.T.P., Curiel, S., & Vázquez, R. 1997, *The Astrophysical Journal*, 489, 744-752.
197. "Thermal Radio Jets," Rodríguez, L. F. 1997, en *Herbig-Haro Flows and the Birth of Stars*, IAU Symposium 182, eds. Bo Reipurth & Claude Bertout, p. 83-92
198. "The G19.6-0.2 Region of Star Formation: Molecular and Ionized Environs," Garay, G., Moran, J. M., Rodríguez, L. F., & Reid, M. J. 1998, *The Astrophysical Journal*, 492, 635-649.
199. "Accretion instabilities and jet formation in GRS 1915+105," Mirabel, I. F., Dhawan, V., Chaty, S., Rodríguez, L. F., Martí, J., Robinson, C. R., Swank, J., & Geballe, T. 1998, *Astronomy & Astrophysics*, 330, L9-L12.
200. "The hard X-ray source GRS 1734-292: a Seyfert 1 galaxy behind the Galactic Center," Martí, J., Mirabel, I. F., Chaty, S., & Rodríguez, L. F. 1998, *Astronomy & Astrophysics*, 330, 72-78
201. "Anisotropic Radio Scattering of NGC 6334B," Trotter, A. S., Moran, J. M., & Rodríguez, L. F. 1998, *The Astrophysical Journal*, 493, 666-679
202. "The radio counterparts of GX 354-0 and Terzan 1," Martí, J., Mirabel, I. F., Rodríguez, L. F. & Chaty, S. 1998, *Astronomy & Astrophysics*, 332, L45-L48
203. "Microquasars in our Galaxy," Mirabel, I. F. & Rodríguez, L. F. 1998, *Nature*, 392, 673-676
204. "VLA Detection of the Exciting Sources of HH 83, HH 117, HH 124, HH 192, HH 300, HH 366, and HH 375," Rodríguez, L. F. & Reipurth, B. 1998, *Revista Mexicana de Astronomía y Astrofísica*, 34, 13-19
205. "Proper Motions of the Inner Condensations in the HH 80-81 Thermal Radio Jet," Martí, J., Rodríguez, L. F., & Reipurth, B. 1998, *The Astrophysical Journal*, 502, 337-340
206. "Recent Advances in the Study of Thermal Radio Jets," Rodríguez, L. F. 1998, *Revista Mexicana de Astronomía y Astrofísica*, Serie de Conferencias, 7, 14-21
207. "A Photodissociated Region Associated with the Compact H II Region near GGD 12-15," Gómez, Y., Lebrón, M., Rodríguez, L. F., Garay, G., Lizano, S., Escalante, V., & Cantó, J. 1998, *The Astrophysical Journal*, 503, 297-306
208. "Compact Protoplanetary Disks Around the Stars of a Young Binary System," Rodríguez, L. F., D'Alessio, P., Wilner, D. J., Ho, P. T. P., Torrelles, J. M., Curiel, S., Gómez, Y., Lizano, S., Pedlar, A., Cantó, J. & Raga, A. C. 1998, *Nature*, 395, 355-357
209. "Observational Astronomy: The Search for Black Holes," Rodríguez, L. F., en *Nuclear and Particle Astrophysics*, eds. J. G. Hirsch & D. Page, 1998, pp 1-26 (Cambridge University Press: Cambridge).

210. "Radio Continuum-H<sub>2</sub>O Maser Systems in NGC 2071: H<sub>2</sub>O Masers Tracing a Jet (IRS 1) and a Rotating Protoplanetary Disk (IRS 3)," Torrelles, J. M., Gómez, J. F., Rodríguez, L. F., Curiel, S., Anglada, G., & Ho, P. T. P. 1998, *The Astrophysical Journal*, 505, 756-765
211. "Search for the optical and infrared counterpart of GRS 1758-258," Martí, J., Mereghetti, S., Chaty, S., Mirabel, I. F., Goldoni, & Rodríguez, L. F. 1998, *Astronomy & Astrophysics*, 338, L95-99
212. "VLA Detection of the Exciting Source of the "Deflected" HH 270/110 System," Rodríguez, L. F., Reipurth, B., Raga, A. C., & Cantó, J. 1998, *Revista Mexicana de Astronomía y Astrofísica*, 34, 69-72
213. "The surroundings of the superluminal source GRS 1915+105," Rodríguez, L. F. & Mirabel, I. F. 1998, *Astronomy & Astrophysics*, 340, L47-L50
214. "Spectral Indices of Centimeter Continuum Sources in Star-forming Regions: Implications on the Nature of the Outflow Exciting Sources," Anglada, G., Villuendas, E., Estalella, R., Beltrán, M. T., Rodríguez, L. F., Torrelles, J. M., & Curiel, S. 1998, *Astronomical Journal*, 116, 2953-2964
215. "Systems with H<sub>2</sub>O Maser and 1.3 Centimeter Continuum Emission in Cepheus A," Torrelles, J. M., Gómez, J. F., Garay, G., Rodríguez, L. F., Curiel, S., Cohen, R. J., & Ho, P. T. P. 1998, *The Astrophysical Journal*, 509, 262-269
216. "Molecular Abundance Enhancements in the Highly Collimated Bipolar Outflow BHR 71," Garay, G., Köhnenkamp, I., Bourke, T. L., Rodríguez, L. F., & Lehtinen, K. K. 1998, *The Astrophysical Journal*, 509, 768-784
217. "Repeated Relativistic Ejections in GRS 1915+105," Rodríguez, L. F., & Mirabel, I. F. 1999, *The Astrophysical Journal*, 511, 398-404
218. "VLA Continuum Observations of Suspected Massive Hot Cores," Carral, P., Kurtz, S., Rodríguez, L. F., Martí, J., Lizano, S., & Osorio, M. 1999, *Revista Mexicana de Astronomía y Astrofísica*, 35, 97-108
219. "Disk and Outflow in Cepheus A-HW2: Interferometric SiO and HCO<sup>+</sup> Observations" Gómez, J. F., Sargent, A. I., Torrelles, J. M., Ho, P. T. P., Rodríguez, L. F., Cantó, J., & Garay, G. 1999, *The Astrophysical Journal*, 514, 287-295
220. "Radio Continuum and Recombination Line Observations of the Polypolar Planetary Nebula NGC 2440," Vázquez, R., Torrelles, J. M., Rodríguez, L. F., Gómez, Y., López, J. A., & Miranda, L. F. 1999, *The Astrophysical Journal*, 515, 633-639
221. "VLA Observations of the Interacting-Wind Binary System WR 147," Contreras, M. E., & Rodríguez, L. F. 1999, *The Astrophysical Journal*, 515, 762-766
222. "Cross-calibrated VLA observations of H<sub>2</sub>O maser and 1.3 cm continuum emission in IRAS 18162-2048 (= HH 80-81 IRS)," Martí, J., Rodríguez, L. F., & Torrelles, J. M. 1999, *Astronomy and Astrophysics*, 345, L5-L8
223. "A double system of ionized jets in IRAS 20126+4104," Hofner, P., Cesaroni, R., Rodríguez, L. F., & Martí, J. 1999, *Astronomy and Astrophysics*, 345, L43-L46
224. "An Excited H<sub>2</sub> Disk and the Core Structure of the Extraordinary Bipolar Planetary Nebula KJpN 8," López, J. A., Meaburn, J., Kuhn, O., Rodríguez, L. F.,



- Muxlow, T. W. B., Pedlar, A., & Thomasson, P. 1999, *The Astrophysical Journal*, 518, 778-783
225. "The distribution of the warm and dense molecular gas around Cepheus A HW 2," Torrelles, J. M., Gómez, J. F., Garay, G., Rodríguez, L. F., Miranda, L. F., Curiel, S., & Ho, P. T. P. 1999, *Monthly Notices of the Royal Astronomical Society*, 307, 58-66
226. "VLA Detection of Protostars in OMC-2/3," Reipurth, B., Rodríguez, L. F., & Chini, R. 1999, *Astronomical Journal*, 118, 983-989
227. "Sources of Relativistic Jets in the Galaxy," Mirabel, I. F., & Rodríguez, L. F. 1999, *Annual Reviews of Astronomy and Astrophysics*, 37, 409-443
228. "Long-Term X-Ray Monitoring of 1E 1740.7-2942 and GRS 1758-258," Main, D. S., Smith, D. M., Heindl, W. A., Swank, J., Leventhal, M., Mirabel, I. F., & Rodríguez, L. F. 1999, *The Astrophysical Journal*, 525, 901-908
229. "A Study of the Kinematics and Temperature of the High Density Molecular Gas Surrounding L1448C," Curiel, S., Torrelles, J. M., Rodríguez, L. F., Gómez, J. F., & Anglada, G. 1999, *The Astrophysical Journal*, 527, 310-320
230. "Multiplicity of the HH 111 jet source: Hubble Space Telescope NICMOS images and VLA maps," Reipurth, B., Yu, K. C., Rodríguez, L. F., Heathcote, S., & Bally, J. 1999, *Astronomy and Astrophysics*, 352, L83-86
231. "The Nature of the Radio Continuum Sources Embedded in the HH 7-11 Region and Its Surroundings," Rodríguez, L. F., Anglada, G., & Curiel, S. 1999, *The Astrophysical Journal Supplement Series*, 125, 427-438
232. "New VLA Observations of the HH 1-2 Region: Evidence for Density Enhancements Moving along the Axis of the VLA 1 Radio Jet," Rodríguez, L. F., Delgado-Arellano, V. G., Gómez, Y., Reipurth, B., Torrelles, J. M., Noriega-Crespo, A., Raga, A. C., & Cantó, J. 2000, *The Astronomical Journal*, 119, 882-889
233. "A Cluster of Radio Sources near GGD 14," Gómez, Y., Rodríguez, L. F., & Garay, G. 2000, *The Astrophysical Journal*, 531, 861-867
234. "Simultaneous Observations of GRS 1758-258 in 1997 by VLA, IRAM, SEST, RXTE, and OSSE: Spectroscopy and Timing," Lin, D., Smith, I. A., Liang, E. P., Bridgman, T., Smith, D. M., Martí, J., Durouchoux, Ph., Mirabel, I. F., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 532, 548-562
235. "VLT observations of GRS 1915+105," Martí, J., Mirabel, I. F., Chaty, S., & Rodríguez, L. F. 2000, *Astronomy & Astrophysics*, 356, 943-948
236. "Radio Continuum and H I Observations of the Remarkable Planetary Nebula KJpN 8," Rodríguez, L. F., Gómez, Y., & López, J. A. 2000, *Revista Mexicana de Astronomía y Astrofísica*, 36, 51-55
237. "VLA Imaging of the Disk Surrounding the Nearby Young Star TW Hydrae," Wilner, D. J., Ho, P. T. P., Kastner, J. H., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 534, L101-104
238. "Hubble Space Telescope NICMOS and WFPC2 Images of the HH 1 Jet: A Comparative Study," Reipurth, B., Heathcote, S., Yu, K. C., Bally, J., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 534, 317-323

239. "Collimation and Propagation of Stellar Jets," Eisloffel, J., Mundt, R., Ray, T. P., & Rodríguez, L. F. 2000, en *Protostars and Planets IV*, eds. Mannings, V., Boss, A.P., Russell, S. S. (Tucson: University of Arizona Press), p. 815-840
240. "The Hot, Diffuse Gas in a Dense Cluster of Massive Stars," Cantó, J., Raga, A. C., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 536, 896-901
241. "The Formation of a Multiple Planetary Nebula: Hubble Space Telescope/WFPC2 Observations of KJPN 8," López, J. A., Meaburn, J., Rodríguez, L. F., Vázquez, R., Steffen, W., & Bryce, M. 2000, *The Astrophysical Journal*, 538, 233-240
242. "Very Large Array Observations of High-Velocity H I in L1551," Giovanardi, C., Rodríguez, L. F., Lizano, S., & Cantó, J. 2000, *The Astrophysical Journal*, 538, 728-737
243. "Small-Scale Structure in Galactic H I Absorption toward GRS 1915+105," Dhawan, V., Goss, W. M., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 540, 863-868
244. "Hubble Space Telescope NICMOS Images of Herbig-Haro Energy Sources: [Fe II] Jets, Binarity, and Envelope Cavities," Reipurth, B., Yu, K. C., Heathcote, S., Bally, John, & Rodríguez, L. F. 2000, *The Astronomical Journal*, 120, 1449-1466
245. "Discovery of a Subarcsecond Radio Binary Associated with the SVS 13 Star in the HH 7-11 Region," Anglada, G., Rodríguez, L. F., & Torrelles, J. M. 2000, *The Astrophysical Journal*, 542, L123-126
246. "AU-Scale Synchrotron Jets and Superluminal Ejecta in GRS 1915+105," Dhawan, V., Mirabel, I. F., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 543, 373-385
247. "A Subarcsecond Binary Radio Source Associated with the X-Ray Emitting Young Stellar Object YLW 15," Girart, J. M., Rodríguez, L. F., & Curiel, S. 2000, *The Astrophysical Journal*, 544, L153-156
248. "New VLA Observations of WR 6 (= HR 50896): A Search for an Anisotropic Wind," Contreras, M. E., Rodríguez, L. F., & Arnal, E. M. 2000, *Revista Mexicana de Astronomía y Astrofísica*, 36, 135-139
249. "A New Warm Molecular Clump toward the Star Forming Region G34.26+0.15," Gómez, Y., Rodríguez-Rico, C. A., Rodríguez, L. F., & Garay, G. 2000, *Revista Mexicana de Astronomía y Astrofísica*, 36, 161-169
250. "VLT Search for the Infrared Counterpart of 1E1740.7-2942," Martí, J., Mirabel, I. F., Chaty, S., & Rodríguez, L. F. 2000, *Astronomy & Astrophysics*, 363, 184-187
251. "Silicon Monoxide and Methanol Emission from the NGC 2071 Molecular Outflow," Garay, G., Mardones, D., & Rodríguez, L. F. 2000, *The Astrophysical Journal*, 545, 861-873
252. "A Search for Possible Interactions between Ejections from GRS 1915+105 and the Surrounding Interstellar Medium," Chaty, S., Rodríguez, L. F., Mirabel, I. F., Geballe, T. R., Fuchs, Y., Claret, A., Cesarsky, C. J., & Cesarsky, D. 2001, *Astronomy & Astrophysics*, 366, 1035-1046
253. "Extended X-Ray Emission around the "Radio-loud" Black Hole Candidate 1E 1740.7-2942," Cui, W., Schulz, N. S., Baganoff, F. K., Bautz, M. W., Doty, J. P., Garmire, G. P., Mirabel, I. F., Ricker, G. R., Rodríguez, L. F., & Taylor, S. C. 2001, *The Astrophysical Journal*, 548, 394-400

254. "Disks around Hot Stars in the Trifid Nebula," Lefloch, B., Cernicharo, J., Cesarsky, D., Demyk, K., & Rodríguez, L. F. 2001, *Astronomy & Astrophysics*, 368, L13-L16
255. "Radio Spectral Indices of the Powering Sources of Outflows," Beltrán, Maria T., Estalella, Robert, Anglada, Guillem, Rodríguez, Luis F., & Torrelles, José M. 2001, *The Astronomical Journal*, 121, 1556-1568
256. "Very Large Array Detection of the Ionized Stellar Winds Arising from Massive Stars in the Galactic Center Arches Cluster," Lang, C. L., Goss, W. M., & Rodríguez, Luis F. 2001, *The Astrophysical Journal*, 551, L143-146
257. "A Subarcsecond Radio Binary Associated with AFGL 4029-IRS1," Zapata, L. A., Rodríguez, Luis F., & Kurtz, S. E. 2001, *Revista Mexicana de Astronomía y Astrofísica*, 37, 83-86
258. "VLA Observations of Brightness Enhancements moving along the Axis of the Cep A HW2 Thermal Jet," Rodríguez, L. F., Torrelles, J. M., Anglada, G., & Martí, J. 2001, *Revista Mexicana de Astronomía y Astrofísica*, 37, 95-99
259. "Spherical Episodic Ejection of Material from a Young Star," Torrelles, J. M., Patel, N. A., Gómez, J. F., Ho, P. T. P., Rodríguez, L. F., Anglada, G., Garay, G., Greenhill, L., Curiel, S., & Cantó, J. 2001, *Nature*, 411, 277-280
260. "Evidence for a Binary System at the Core of the Bipolar Proto-planetary Nebula OH 231.8+4.2," Gómez, Y., & Rodríguez, L. F. 2001, *The Astrophysical Journal*, 557, L109-112.
261. "Simulated X-Ray Images and Spectra of the Arches Cluster," Raga, A. C., Velázquez, P. F., Cantó, J., Masciadri, E., & Rodríguez, L. F. 2001, *The Astrophysical Journal*, 559, L33-36
262. "Discovery of Linear "Building Blocks" of Water Masers Shaping Linear/Arctuate Microstructures in Cepheus A," Torrelles, J. M., Patel, N. A., Gómez, J. F., Ho, P. T. P., Rodríguez, L. F., Anglada, G., Garay, G., Greenhill, L., Curiel, S., & Cantó, J. 2001, *The Astrophysical Journal*, 560, 853-864
263. "Observations of the Ionized, Neutral, and Molecular Components Associated with an Expanding H II Region," Lebrón, M., Rodríguez, L. F., & Lizano, S. 2001, *The Astrophysical Journal*, 560, 806-820
264. "VLA Detection of the Exciting Sources of the HH 211 and HH 68 Outflows," Avila, R., Rodríguez, L. F., & Curiel, S. 2001, *Revista Mexicana de Astronomía y Astrofísica*, 37, 201-211
265. "VLA Observations of Z CMa: The Orientation and Origin of the Thermal Jet," Velázquez, P. F. & Rodríguez, L. F. 2001, *Revista Mexicana de Astronomía y Astrofísica*, 37, 261-267
266. "Detection of a Candidate for the Exciting Source of the Expanding Water Maser Bubble in Cepheus A," Curiel, S. Trinidad, M. A., Cantó, J., Rodríguez, L. F., et al. 2002, *The Astrophysical Journal*, 564, L35-L38
267. "A search for radio emission from Galactic supersoft X-ray sources," Ogle, R. N., Chaty, S., Crocker, M., Eyres, S. P. S., Kenworthy, M. A., Richards, A. M. S., Rodríguez, L. F. & Stirling, A. M. 2002, *Monthly Notices of the Royal Astronomical Society*, 330, 772-777

268. "Methanol and Silicon Monoxide Observations toward Bipolar Outflows Associated with Class 0 Objects," Garay, Guido, Mardones, Diego, Rodríguez, Luis F. Caselli, Paola, & Bourke, Tyler L. 2002, *The Astrophysical Journal*, 567, 980-998
269. "VLA Detection of the Exciting Sources of the Molecular Outflows Associated with L1448 IRS2, IRAS 05327+3404, L43, IRAS 22142+5206, L1211, and IRAS 23545+650," Anglada, G. & Rodríguez, Luis F. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 13-21
270. "Radio Continuum and H92 $\alpha$  Recombination Line Observations of G34.26+0.15 and G5.89-0.39," Rodríguez-Rico, C. A., Rodríguez, L. F., & Gómez, Y. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 3-11
271. "The Formation of Massive Stars. I. High-Resolution Millimeter and Radio Studies of High-Mass Protostellar Candidates," Molinari, Sergio, Testi, Leonardo, Rodríguez, Luis F., & Zhang, Qizhou, 2002, *The Astrophysical Journal*, 570, 758-778
272. "Detection of the Winds from the Exciting Sources of Shell H II Regions in NGC 6334," Carral, Patricia, Kurtz, Stan E., Rodríguez, Luis F., Menten, Karl, Cantó, Jorge, & Arceo, Roberto. 2002, *The Astronomical Journal*, 123, 2574-2582
273. "Radio images of the microquasar GRS 1758-258," Martí, J., Mirabel, I. F., Rodríguez, L. F., & Smith, I. A. 2002, *Astronomy and Astrophysics*, 386, 571-575
274. "The Nature of the Cluster of Radio Sources in GGD 14," Gómez, Y., Rodríguez, L. F., & Garay, G. 2002, *The Astrophysical Journal*, 571, 901-905
275. "VLA Observations of H I in the Helix Nebula (NGC 7293)," Rodríguez, L. F., Goss, W. M., & Williams, R. 2002, *The Astrophysical Journal*, 574, 179-186
276. "VLA Observations of Water Maser Emission Associated with SVS 13 and other Sources in NGC 1333," Rodríguez, L. F., Anglada, G., Torrelles, J. M., Mendoza-Torres, J. E., Haschick, A. D., Ho, P. T. P. 2002, *Astronomy & Astrophysics*, 389, 572-576
277. "Radio Continuum Maps of Deeply Embedded Protostars: Thermal Jets, Multiplicity, and Variability," Reipurth, Bo, Rodríguez, Luis F., Anglada, Guillem, & Bally, John. 2002, *Astronomical Journal*, 124, 1045-1053
278. "Multiwavelength Observations of the Peculiar Planetary Nebula IC 2149," Vázquez, R., Miranda, L. F., Torrelles, J. M., Olguín, L., Benítez, G., Rodríguez, Luis F., & López, J. A. 2002, *The Astrophysical Journal*, 576, 860-869
279. "Massive star formation near the supernova remnant W 30," Ojeda-May, P., Kurtz, S. E., Rodríguez, Luis F., Arthur, S. J., Velázquez, P. F. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 111-118
280. "Time Variation in the Radio Continuum Emission Associated with the Surroundings of the Nucleus of the Planetary Nebula KJpN 8," Rodríguez, L. F., Gómez, Y., & López, J. A. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 275-278
281. "Evidence for Time Evolution in the Exciting Source of the Expanding Water Maser Bubble in Cepheus A," Porras, A., Rodríguez, L. F., Cantó, J., Curiel, J. M., & Torrelles, J. M. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 187-192

282. "Radio Continuum Observations towards Optical and Molecular Outflows," Girart, J. M., Curiel, S., Rodríguez, L. F., & Cantó, J. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 169-186
283. "VLA Detection of the Exciting Sources of the HH 288 and HHL59 Outflows," Rodríguez, M., Rodríguez, L. F., Gyulbudaghian, A. L., & May, J. 2002, *Revista Mexicana de Astronomía y Astrofísica*, 38, 161-167
284. "VLA observations at 7 mm of the planetary nebula IC 4997," Gómez, Y., Miranda, L. F., Torrelles, J. M., Rodríguez, L. F., & López, J. A. 2002, *Monthly Notices of the Royal Astronomical Society*, 336, 1139-1142
285. "The runaway black hole GRO J1655-40," Mirabel, I. F., Mignani, R., Rodrigues, I., Combi, J. A., Rodríguez, L. F. & Guglielmetti, F. 2002, *Astronomy & Astrophysics*, 395, 595-599
286. "The Photoionization of a Star-forming Core in the Trifid Nebula," Lefloch, B., Cernicharo, J., Rodríguez, L. F., Miville-Deschênes, M. A., Cesarsky, D., & Heras, A. 2002, *The Astrophysical Journal*, 581, 335-356
287. "Orbital Proper Motions in the Protobinary System L1527/IRAS 04368+2557?," Loinard, Laurent, Rodríguez, Luis F., D'Alessio, Paola, Wilner, D. J., & Ho, Paul T. P. 2002, *The Astrophysical Journal*, 581, L109-L113
288. "Very Large Array Observations of Proper Motions in L1551 IRS 5," Rodríguez, Luis F., Curiel, Salvador, Cantó, Jorge, Loinard, Laurent, Raga, Alejandro C., & Torrelles, José M. 2003, *The Astrophysical Journal*, 583, 330-333
289. "Very Large Array Observations of Proper Motions in YLW 15," Curiel, S., Girart, J. M., Rodríguez, L. F., & Cantó, J. 2003, *The Astrophysical Journal*, 582, L109-L113
290. "Ejection of a Low-Mass Star in a Young Stellar System in Taurus," Loinard, Laurent, Rodríguez, Luis F., & Rodríguez, Mónica, I. 2003, *The Astrophysical Journal*, 587, L47-L50
291. "The Binary Jet in L1551 IRS 5," Rodríguez, Luis F., Porras, Alicia, Claussen, Mark J., Curiel, Salvador, Wilner, David J., & Ho, Paul T. P. 2003, *The Astrophysical Journal*, 586, L137-L139
292. "VLA Detection of a Double Radio Source at the Center of the HH 288 Quadrupolar Outflow," Franco-Hernández, R. y Rodríguez, L. F. 2003, *Revista Mexicana de Astronomía y Astrofísica*, 39, 107-111
293. "Observations of Water Masers and Radio Continuum Emission in AFGL 2591," Trinidad, Miguel A., Curiel, Salvador, Cantó, Jorge, D'Alessio, Paola, Rodríguez, Luis F., Torrelles, José M., Gómez, José F., Patel, Nimesh, & Ho, Paul T. P. 2003, *The Astrophysical Journal*, 589, 386-396
294. "Optical and near-infrared observations of the microquasar V4641 Sgr during the 1999 September outburst," Chaty, S., Charles, P. A., Martí, J., Mirabel, I. F., Rodríguez, L. F., & Shahbaz, T. 2003, *Monthly Notices of the Royal Astronomical Society*, 343, 169-174
295. "A Study of the Variability of Water Maser Emission in a Sample of Young Stellar Objects," Trinidad, M. A., Rojas, V., Plascencia, J. C., Ricalde, A., Curiel, S., & Rodríguez, L. F. 2003, *Revista Mexicana de Astronomía y Astrofísica*, 39, 311-330

296. "VLA and BIMA Observations toward the Exciting Source of the Massive HH 80-81 Outflow," Gómez, Y., Rodríguez, L. F., Girart, J. M., Garay, G., & Martí, J., 2003, *The Astrophysical Journal*, 597, 414-423
297. "A Cluster of Compact Radio Sources in NGC 2024 (Orion B)," Rodríguez, L. F., Gómez, Y., & Reipurth, B. 2003, *The Astrophysical Journal*, 598, 1100-1106
298. "Evidence for Evolution of the Outflow Collimation in Very Young Stellar Objects," Torrelles, J. M., Patel, N. A., Anglada, G., Gómez, J. F., Ho, P. T. P., Lara, L., Alberdi, A., Cantó, J., Curiel, S., Garay, G., & Rodríguez, L. F. 2003, *The Astrophysical Journal*, 598, L115-L119
299. "Radio Continuum Jets from Protostellar Objects," Reipurth, B., Rodríguez, L. F., Anglada, G., & Bally, J. 2004, *The Astronomical Journal*, 127, 1736-1746
300. "Compact Radio Sources in Orion: New Detections, Time Variability, and Objects in OMC-1S," Zapata, L., Rodríguez, L. F., Kurtz, S. E., & O'Dell, C. R. 2004, *The Astronomical Journal*, 127, 2252-2261
301. "Time Variation in the Radio Flux Density from the Bipolar Ultracompact H II Region NGC 7538 IRS 1," Franco-Hernández, R. & Rodríguez, L. F. 2004, *The Astrophysical Journal*, 604, L105-108
302. "A Single Circumstellar Disk in the SVS 13 Close Binary System," Anglada, G., Rodríguez, L. F., Osorio, M., Torrelles, José M., Estalella, R., Beltrán, M. T., & Ho, P. T. P. 2004, *The Astrophysical Journal*, 605, L137-140
303. "Multiepoch Radio Observations of the Exciting Sources of HH 212 and HH 119," Galván-Infante, R., Avila, R., & Rodríguez, L. F. 2004, *Revista Mexicana de Astronomía y Astrofísica*, 40, 31-36
304. "On the Evolutionary State of the Components of the YLW 15 Binary System," Girart, J. M., Curiel, S., Rodríguez, L. F., Honda, M., Cantó, J., Okamoto, Y. K., & Sako, S. 2004, *The Astronomical Journal*, 127, 2969-2977
305. "Imaging MWC 349 from 7 Millimeters to 90 Centimeters," Tafoya, D., Gómez, Y., & Rodríguez, L. F. 2004, *The Astrophysical Journal*, 610, 827-834
306. "A Cluster of 1.3 Centimeter Continuum Sources in OMC-1 South," Zapata, L. A., Rodríguez, L. F., Kurtz, S. E., O'Dell, C. R., & Ho, P. T. P. 2004, *The Astrophysical Journal*, 610, L121-L124
307. "Multiple Outflows in the LkH $\alpha$  234 Region," Trinidad, M. A., Curiel, S., Torrelles, J. M., Rodríguez, L. F., Cantó, J., Gómez, José F., Patel, N., & Ho, P. T. P. 2004, *The Astrophysical Journal*, 613, 416-423
308. "In Search of a Radio Counterpart for the Ultraluminous X-Ray Source at the Nucleus of M33," Trejo, A., Rodríguez, L. F., & Martí, J. 2004, *Revista Mexicana de Astronomía y Astrofísica*, 40, 223-229
309. "Multiepoch VLBA Observations of T Tauri South," Loinard, L., Mioduszewski, A. J., Rodríguez, L. F., González, R. A., Rodríguez, M. I., & Torres, R. M. 2005, *The Astrophysical Journal*, 619, L179-182
310. "IRAS 16293-2422B: A Compact, Possibly Isolated Protoplanetary Disk in a Class 0 Object," Rodríguez, L. F., Loinard, L., D'Alessio, P., Wilner, D. J., & Ho, P. T. P. 2005, *The Astrophysical Journal*, 621, L133-136

311. "High Angular Resolution Observations of the Collimated Jet Source Associated with a Massive Protostar in IRAS 16547-4247," Rodríguez, L. F., Garay, G., Brooks, K. J., & Mardones, D. 2005, *The Astrophysical Journal*, 626, 953-958
312. "Proper Motions of the BN Object and the Radio Source I in Orion: Where and When Did the BN Object Become a Runaway Star? Rodríguez, L. F., Poveda, A., Loinard, L., & Lizano, S. 2005, *The Astrophysical Journal*, 627, L65-L68
313. "A Highly Collimated, Young, and Fast CO Outflow in OMC-1 South," Zapata, L., Rodríguez, L. F., Ho, P. T. P., Zhang, Q., Qi, C., & Kurtz, S. E. 2005, *The Astrophysical Journal*, 630, L85-L88
314. "Proper Motions in Cepheus A," Rodríguez, L. F., Torrelles, J. M., Raga, A. C., Cantó, J., Curiel, S., & Garay, G. 2005, *Revista Mexicana de Astronomía y Astrofísica*, 41, 435-442
315. "Stellar Winds and Embedded Star Formation in the Galactic Center Quintuplet and Arches Clusters: Multifrequency Radio Observations," Lang, Cornelia C., Johnson, Kelsey E., Goss, W. M., & Rodríguez, Luis F. 2005, *The Astronomical Journal*, 130, 2185-2196
316. "Very Large Array Simultaneous 1.3 cm Continuum and H<sub>2</sub>O Maser Observations toward IRAS 20126+4104," Trinidad, Miguel A., Curiel, Salvador, Migenes, Victor, Patel, Nimesh, Torrelles, José M., Gómez, José F., Rodríguez, Luis F., Ho, Paul T. P., & Cantó, Jorge. 2005, *The Astronomical Journal*, 130, 2206-2211
317. "PKS 1622-253: A Weakly Accreting, Powerful Gamma-Ray Source," Punsly, Brian, Rodríguez, Luis F., Tingay, Steven J., & Cellone, Sergio A. 2005, *The Astrophysical Journal*, 633, L93-L96
318. "Radio observations of ultracompact HII regions," Rodríguez, Luis F., en "Massive star birth: A crossroads of Astrophysics", IAU Symposium Proceedings of the international Astronomical Union 227, eds. Cesaroni, R.; Felli, M.; Churchwell, E.; Walmsley, M. Cambridge: Cambridge University Press, 2005., pp.120-127
319. "Molecular Clouds: Fragmentation, Modeling and Observations," Rodríguez, Luis F., en "The Cool Universe: Observing Cosmic Dawn", ASP Conference Series, Vol. 344, Eds. C. Lidman y D. Alloin. San Francisco: Astronomical Society of the Pacific, 2005., p.146-154
320. "Dynamical Decay of a Massive Multiple System in Orion KL?," Gómez, Laura, Rodríguez, Luis F., Loinard, Laurent, Lizano, Susana, Poveda, Arcadio, & Allen, Christine, 2005, *The Astrophysical Journal*, 635, 1166-1172
321. "In Search of Circumstellar Disks around Young Massive Stars," Zapata, Luis A., Rodríguez, Luis F., Ho, P. T. P., Beuther, Henrik, & Zhang, Qizhou, 2006, *The Astronomical Journal*, 131, 939-950
322. "Large Proper Motions in the Jet of the High-Mass YSO Cepheus A HW2," Curiel, S., Ho, P. T. P., Patel, N. A., Torrelles, J. M., Rodríguez, Luis F., Trinidad, M. A., Cantó, J., Hernández, L., Gómez, J. F., Garay, G., & Anglada, G. 2006, *The Astrophysical Journal*, 638, 878-886
323. "Spectra and Sizes of Hypercompact H II Regions," Avalos, M., Lizano, S., Rodríguez, L. F., Franco-Hernández, R., & Moran, J. M. 2006, *The Astrophysical Journal*, 641, 406-409

324. "Expansion Parallax for the Compact Planetary Nebula M2-43," Guzmán, L., Gómez, Y., & Rodríguez, L. F. 2006, *Revista Mexicana de Astronomía y Astrofísica*, 42, 127-130
325. "CCS and NH<sub>3</sub> Emission Associated with Low-Mass Young Stellar Objects," de Gregorio-Monsalvo, I., Gómez, J. F., Suárez, O., Kuiper, T. B. H., Rodríguez, L. F., & Jiménez-Bailón, E. 2006, *The Astrophysical Journal*, 642, 319-329
326. "On the Distance to the Bright Nonthermal Radio Sources in the Direction of an Extraordinarily Massive Cluster of Red Supergiants," Trejo, A. & Rodríguez, L. F. 2006, *Revista Mexicana de Astronomía y Astrofísica*, 42, 147-151
327. "Interferometric Observations toward the High-Mass Young Stellar Object IRAS 23139+5939: Radio Continuum and Water Maser Emission," Trinidad, M. A., Curiel, S., Torrelles, J. M., Rodríguez, L. F., Migenes, V., & Patel, N. 2006, *Astronomical Journal*, 132, 1918-1922
328. "Silicon Monoxide Observations Reveal a Cluster of Hidden Compact Outflows in the OMC 1 South Region," Zapata, L. A., Ho, P. T. P., Rodríguez, Luis F., O'Dell, C. R., Zhang, Q., & Muench, A. 2006, *The Astrophysical Journal*, 653, 398-408
329. "Compact Centimeter and Millimeter Sources in NGC 6334 I(N): OB Stars in the Making?," Rodríguez, Luis F., Zapata, L. A., & Ho, P. T. P. 2007, *The Astrophysical Journal*, 654, L143-L146
330. "Discovery of an energetic bipolar molecular outflow towards IRAS 16547-4247," Garay, G., Mardones, D., Bronfman, L., Brooks, K. J., Rodríguez, L. F., Güsten, R., Nyman, L.-A., Franco-Hernández, R., & Moran, J. M. 2007, *Astronomy and Astrophysics*, 463, 217-224
331. "On the Nature of the Extended Radio Emission Surrounding T Tauri South," Loinard, Laurent, Rodríguez, Luis F., D'Alessio, Paola, Rodríguez, Mónica I., & González, Ricardo F. 2007, *The Astrophysical Journal*, 657, 916-924
332. "Sub-arcsecond resolution radio continuum observations of IRAS 20126+4104," Hofner, P., Cesaroni, R., Olmi, L., Rodríguez, L. F., Martí, J., & Araya, E. 2007, *Astronomy and Astrophysics*, 465, 197-205
333. "Radio Continuum Sources Associated with AB Aur," Rodríguez, L. F., Zapata, L. A., & Ho, P. T. P. 2007, *Revista Mexicana de Astronomía y Astrofísica*, 43, 149-154
334. "Proper Motions of the Ansa<sub>e</sub> in the Planetary Nebula NGC 7009," Rodríguez, L. F., & Gómez, Y. 2007, *Revista Mexicana de Astronomía y Astrofísica*, 43, 173-177
335. "Large-Scale Flows from Orion South," Henney, W. J., O'Dell, C. R., Zapata, Luis A., García-Díaz, M. T., Rodríguez, Luis F., & Robberto, Massimo. 2007, *Astronomical Journal*, 133, 2192-2205
336. "Changes in the Radio Appearance of MWC 349A," Rodríguez, L. F., Gómez, Y., & Tafuya, D. 2007, *The Astrophysical Journal*, 663, 1083-1091
337. "Circumbinary molecular rings around young stars in Orion," Zapata, L. A., Ho, P. T. P., Rodríguez, L. F., Schilke, P., Kurtz, S. et al. 2007, *Astronomy and Astrophysics*, 471, L59-L62
338. "Very Large Array Observations of Candidate High-Mass Protostellar Objects at 7 Millimeters," Garay, G., Rodríguez, L. F., & de Gregorio-Monsalvo, I. 2007, *Astronomical Journal*, 134, 906-911



339. "The Circumstellar Structure and Excitation Effects around the Massive Protostar Cepheus A HW 2." Torrelles, J. M., Patel, N. A., Curiel, S., Ho, P. T. P., Garay, G., & Rodríguez, L. F. 2007, *The Astrophysical Journal*, 666, L37-L40
340. "Multiple Sources toward the High-Mass Young Star S140 IRS 1," Trinidad, M. A., Torrelles, J. M., Rodríguez, L. F., & Curiel, S. 2007, *Astronomical Journal*, 134, 1870-1876
341. "Continuum Observations at 3 and 12 mm of the High-Mass Protostellar Jet IRAS 16547-4247," Brooks, K. J., Garay, G., Voronkov, M., & Rodríguez, L. F. 2007, *The Astrophysical Journal*, 669, 459-463
342. "An  $H_2CO$  6 cm Maser Pinpointing a Possible Circumstellar Torus in IRAS 18566+0408," Araya, E., Hofner, P., Sewilo, M., Goss, W. M., Linz, H., Kurtz, S., Olmi, L., Churchwell, E., Rodríguez, L. F., & Garay, G. 2007, *The Astrophysical Journal*, 669, 1050-1057
343. "New Radio Sources and the Composite Structure of Component B in the Very Young Protostellar System IRAS 16293-2422," Loinard, L., Chandler, C. J., Rodríguez, L. F., D'Alessio, P., Brogan, C. L., Wilner, D. J., & Ho, Paul T. P. 2007, *The Astrophysical Journal*, 670, 1353-1360
344. "VLBA Determination of the Distance to Nearby Star-forming Regions. I. The Distance to T Tauri with 0.4% Accuracy," Loinard, L., Torres, R. M., Mioduszewski, A. J., Rodríguez, L. F., González-Lópezlira, R. A., Lachaume, R., Vázquez, V., & González, E. 2007, *The Astrophysical Journal*, 671, 546-554
345. "VLBA Determination of the Distance to Nearby Star-forming Regions. II. Hubble 4 and HDE 283572 in Taurus," Torres, R. M., Loinard, L., Mioduszewski, A. J., & Rodríguez, L. F. 2007, *The Astrophysical Journal*, 671, 1813-1819
346. "New Observational Frontiers in the Multiplicity of Young Stars," Duchene, G., Delgado-Donate, E., Haisch, K. E., Jr., Loinard, L., & Rodríguez, L. F. 2007, en *Protostars and Planets V*, B. Reipurth, D. Jewitt, and K. Keil (eds.), University of Arizona Press, Tucson, 951, 379-394
347. "Forming an early O-type star through gas accretion?," Zapata, L. A., Palau, A., Ho, P. T. P., Schilke, P., Garrod, R. T., Rodríguez, L. F., & Menten, K. 2008, *Astronomy & Astrophysics*, 479, L25-L28
348. "The Non-Thermal Radio Jet Toward the NGC 2264 Star Formation Region," Trejo, A., & Rodríguez, L. F. 2008, *The Astronomical Journal*, 135, 575-579
349. "Time Variation in G24.78+0.08 A1: Evidence for an Accreting Hypercompact H II Region?," Galván-Madrid, R., Rodríguez, L. F., Ho, P. T. P., & Keto, E. 2008, *The Astrophysical Journal*, 674, L33-L36
350. "A Preliminary VLBA Distance to the Core of Ophiuchus, with an Accuracy of 4%," Loinard, L., Torres, R. M., Mioduszewski, A. J., & Rodríguez, L. F. 2008, *The Astrophysical Journal*, 675, L29-L32
351. "A Multiple System of Radio Sources at the Core of the L723 Multipolar Outflow," Carrasco-González, C., Anglada, G., Rodríguez, L. F., Torrelles, J. M., Osorio, M., & Girart, J. M. 2008, *The Astrophysical Journal*, 676, 1073-1081
352. "The Collimated Jet Source in IRAS 16547-4247: Time Variation, Possible Precession, and Upper Limits to the Proper Motions Along the Jet Axis,"

- Rodríguez, L. F., Moran, J. M., Franco-Hernández, R., Garay, G., Brooks, K. J., & Mardones, D. 2008, *The Astronomical Journal*, 135, 2370-2379
- 353 “Monitoring the Large Proper Motions of Radio Sources in the Orion BN/KL Region,” Gómez, L., Rodríguez, L. F., Loinard, L., Lizano, S., Allen, C., Poveda, A., & Menten, K. M. 2008, *The Astrophysical Journal*, 685, 333-343
- 354 “Bipolar clump ejection from a moving source,” Cantó, J., Raga, A. C., Loinard, L., & Rodríguez, L. F. 2008, *Revista Mexicana de Astronomía y Astrofísica*, 44, 381-387
- 355 “High-Angular Observations at 7 mm of the Core of the Quadrupolar HH 111/121 Outflow,” Rodríguez, L. F., Torrelles, J. M., Anglada, G., & Reipurth, B. 2008, *The Astronomical Journal*, 136, 1852-1856
- 356 “Proper Motions of Thermal Radio Sources Near HH 7-11 in the NGC 1333 Star-Forming Region,” Carrasco-González, C., Anglada, G., Rodríguez, L. F., Torrelles, J. M., & Osorio, M. 2008, *The Astronomical Journal*, 136, 2238-2243
- 357 “Hypercompact H II Regions: Resolved Images of G34.26+0.15 A and B,” Avalos, M., Lizano, S., Franco-Hernández, R., Rodríguez, L. F., & Moran, J. M. 2009, *The Astrophysical Journal*, 690, 1084-1088
- 358 “Resolving the Structure and Kinematics of the BN Object at 0.2” Resolution,” Rodríguez, L. F., Zapata, L. A., & Ho, P. T. P. 2009, *The Astrophysical Journal*, 692, 162-167
- 359 “High Angular Resolution Radio Observations of the HL/XZ Tau Region: Mapping the 50 AU Protoplanetary Disk Around HL Tau and Resolving XZ Tau S Into a 13 AU Binary,” Carrasco-González, C., Rodríguez, L. F., Anglada, G., & Curiel, S. 2009, *The Astrophysical Journal*, 693, L86-L90
- 360 “Radio Proper Motions of Wolf-Rayet Stars,” Dzib, S., & Rodríguez, L. F. 2009, *Revista Mexicana de Astronomía y Astrofísica*, 45, 3-12
- 361 “Ionization-bounded and Density-bounded Planetary Nebulae,” Rodríguez, L. F., Gómez, Y., & Guzmán, L. 2009, *Revista Mexicana de Astronomía y Astrofísica*, 45, 85-89
- 362 “A VLA Archive Observation of the Youngest Known Galactic Supernova Remnant G1.9+0.3,” Gómez, Y., & Rodríguez, L. F. 2009, *Revista Mexicana de Astronomía y Astrofísica*, 45, 91-94
- 363 “The Intermediate-Mass Embedded Cluster GM 24 Revisited: New Infrared and Radio Observations,” Tapia, M., Rodríguez, L. F., Persi, P., Roth, M., Gméz, M. 2009, *The Astronomical Journal*, 137, 4127-4139
- 364 “VLBA Determination of the Distance to Nearby Star-Forming Regions. III. HP TAU/G2 and the Three-Dimensional Structure of Taurus,” Torres, R. M., Loinard, L., Mioduszewski, A. J., & Rodríguez, L. F. 2009, *The Astrophysical Journal*, 698, 242-249
- 365 “A Ring/Disk/Outflow System Associated with W51 North: A Very Massive Star in the Making,” Zapata, L. A., Ho, P. T. P., Schilke, P., Rodríguez, L. F., Menten, K., Palau, A., & Garrod, R. T. 2009, *The Astrophysical Journal*, 698, 1422-1428
- 366 “The Rotating Molecular Structures and the Ionized Outflow Associated with IRAS 16547-4247,” Franco-Hernández, R., Moran, J. M., Rodríguez, L. F., & Garay, G. 2009, *The Astrophysical Journal*, 701, 974-983

- 367 “Explosive Disintegration of a Massive Young Stellar System in Orion,” Zapata, L. A., Schmid-Burgk, J., Ho, Paul T. P., Rodríguez, L. F., & Menten, K. M. 2009, *The Astrophysical Journal*, 704, L45-L48
- 368 “The Radio Counterparts to the Binary O4+O4 System CEN 1 in NGC 6618, the Cluster Ionizing M17,” Rodríguez, L. F., González, R. F., & Montes, G. 2009, *Revista Mexicana de Astronomía y Astrofísica*, 45, 273-277
- 369 “Radio Jets and Disks in the Intermediate-Mass Star-Forming Region NGC2071IR,” Trinidad, M. A., Rodríguez, T., & Rodríguez, L. F. 2009, *The Astrophysical Journal*, 706, 244-251
- 370 “Formation of an O-Star Cluster by Hierarchical Accretion in G20.08–0.14 N,” Galván-Madrid, R., Keto, E., Zhang, Q., Kurtz, S., Rodríguez, L. F., & Ho, P. T. P. 2009, *The Astrophysical Journal*, 706, 1036-1053
- 371 “Confirmation of a Recent Bipolar Ejection in the Very Young Hierarchical Multiple System IRAS 16293-2422,” Pech, Gerardo, Loinard, Laurent, Chandler, Claire J., Rodríguez, Luis F., D’Alessio, Paola, Brogan, Crystal L., Wilner, David J., & Ho, Paul T. P. 2010, *The Astrophysical Journal*, 721, 1403-1409
- 372 “H91 $\alpha$  Radio Recombination Line and 3.5 cm Continuum Observations of the Planetary Nebula NGC 3242,” Rodríguez, L. F., Gómez, Y., López, J. A., García-Díaz, M. T., & Clark, D. M. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 29-35
- 373 “A Compact Radio Counterpart to the Energetic X-ray Pulsar Associated with the TeV Gamma-Ray Source J1813-178,” Dzib, S., Loinard, L., & Rodríguez, L. F. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 153-157
- 374 “A Bright Radio HH Object with Large Proper Motions in the Massive Star-forming Region W75N,” Carrasco-González, C., Rodríguez, L. F., Torrelles, J. M., Anglada, G., & González-Martín, O. 2010, *The Astronomical Journal*, 139, 2433-2439
- 375 “VLBA Determination of the Distance to Nearby Star-forming Regions. IV. A Preliminary Distance to the Proto-Herbig AeBe Star EC 95 in the Serpens Core,” Dzib, S., Loinard, L., Mioduszewski, A. J., Boden, A. F., Rodríguez, L. F. & Torres, R. M. 2010 *The Astrophysical Journal*, 718, 610-619
- 376 “An Expanding H I Photodissociated Region Associated with the Compact H II Region G213.880–11.837 in the GGD 14 Complex,” Gómez, Y., Garay, G., Rodríguez-Rico, C. A., Neria, C., Rodríguez, L. F., Escalante, V., Lizano, S. & Lebrón, M. 2010, *The Astronomical Journal*, 140, 913-918
- 377 “A Cluster of Compact Radio Sources in W40,” Rodríguez, L. F., Rodney, S. A., & Reipurth, B. 2010, *The Astronomical Journal*, 140, 968-972
- 378 “Expanded Very Large Array Observations of the H66 $\alpha$  and He66 $\alpha$  Recombination Lines Toward MWC 349A,” Loinard, L. & Rodríguez, L. F. 2010, *The Astrophysical Journal*, 722, L100-L103
- 379 “On the size of the non-thermal component in the radio emission from CYG OB2 #5,” Rodríguez, L. F., Gómez, Y., Loinard, L. & Mioduszewski, A. J. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 215-219

- 380 “Compact radio sources in the vicinity of the ultracompact HII region G78.4+2.6,” Neria, C., Gómez, Y., & Rodríguez, L. F. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 253-262
- 381 “Compact radio sources apparently associated with extended Galactic sources,” Trejo, A., & Rodríguez, L. F. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 349-356
- 382 “On the nature of the non-Thermal radio source at the center of the Orion Streamers,” Trejo, A., & Rodríguez, L. F. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 357-361
- 383 “A reassessment of the kinematics of PV Cephei based on accurate proper motion measurements,” Loinard, L., Rodríguez, L. F., Gómez, L., Cantó, J., Raga, A. C., Goodman, A. A., & Arve, H. G. 2010, *Revista Mexicana de Astronomía y Astrofísica*, 46, 375-383
- 384 “Radio and IR study of the massive star-forming region IRAS 16353-463,” Benaglia, P., Ribó, M., Combi, J. A., Romero, G. E., Chaty, S., Koribalski, B., Mirabel, I. F., Rodríguez, L. F. & Bosch, G. 2010, *Astronomy and Astrophysics*, 523, 62-70
- 385 “A Magnetized Jet from a Massive Protostar,” Carrasco-González, C., Rodríguez, L. F., Anglada, G., Martí, J., Torrelles, J. M., & Osorio, M. 2010, *Science*, 330, 1209-1212
- 386 “From the Convergence of Filaments to Disk-outflow Accretion: Massive Star Formation in W33A,” Galván-Madrid, R., Zhang, Q., Keto, E., Ho, P. T. P., Zapata, L. A., Rodríguez, L. F., Pineda, J. E., & Vázquez-Semadeni, E. 2010, *The Astrophysical Journal*, 725, 17-28
- 387 “Discovery of an Expanding Molecular Bubble in Orion BN/KL,” Zapata, L. A., Loinard, L., Schmid-Burgk, J., Rodríguez, L. F., Ho, P. T. P., & Patel, N. A. 2011, *The Astrophysical Journal (Letters)*, 726, L12-L15
- 388 “A wide-angle outflow with the simultaneous presence of a high-velocity jet in the high-mass Cepheus A HW2 system,” Torrelles, J. M., Patel, N. A., Curiel, S., Estalella, R., Gómez, J. F., Rodríguez, L. F., Cantó, J., Anglada, G., Vlemmings, W., Garay, G., Raga, A. C., & Ho, P. T. P. 2011, *Monthly Notices of the Royal Astronomical Society*, 410, 627-640
- 389 “VLBA Determination of the Distance to Nearby Star-forming Regions. VI. The Distance to the Young Stellar Object HW 9 in Cepheus A,” Dzib, S., Loinard, L., Rodríguez, L. F., Mioduszewski, A. J., & Torres, R. M. 2011, *The Astrophysical Journal*, 733, 71-74
- 390 “The Non-thermal, Time-variable Radio Emission from Cyg OB2 #5: A Wind-collision Region,” Ortiz-León, Gisela N., Loinard, Laurent, Rodríguez, Luis F., Mioduszewski, Amy J., & Dzib, Sergio A. 2011, *The Astrophysical Journal*, 737, 30-33
- 391 “Expanded Very Large Array Continuum Observations toward Hot Molecular Core Candidates,” Hofner, P., Kurtz, S., Ellingsen, S. P., Menten, K. M., Wyrowski, F., Araya, E. D., Loinard, L., Rodríguez, L. F. & Cesaroni, R. 2011, *The Astrophysical Journal*, 739, L17-20

- 392 “Disks and Outflows in the Massive Protobinary System W3(OH)TW,” Zapata, Luis A., Rodríguez-Garza, Carolina, Rodríguez, Luis F., Girart, Josep M. & Chen, Huei-Ru. 2011, *The Astrophysical Journal*, 740, L19-23
- 393 “Radio continuum emission from knots in the DG Tauri jet,” Rodríguez, L. F., González, R. F., Raga, A. C., Cantó, J., Riera, A., Loinard, L., Dzib, S. A., & Zapata, L. A. 2012, *Astronomy & Astrophysics*, 537, 123-130
- 394 “Millimeter Multiplicity in DR21(OH): Outflows, Molecular Cores, and Envelopes,” Zapata, Luis A., Loinard, Laurent, Su, Y.-N., Rodríguez, Luis F., Menten, Karl M., Patel, Nimesh, & Galván-Madrid, R. 2012, *The Astrophysical Journal*, 744, 86-92
- 395 “Analytic and numerical models for the expansion of a compact H II region,” Raga, A. C., Cantó, J., & Rodríguez, L. F. 2012, *Monthly Notices of the Royal Astronomical Society*, 419, L39-L43
- 396 “Multiplicity, Disks, and Jets in the NGC 2071 Star-forming Region,” Carrasco-González, Carlos, Osorio, Mayra, Anglada, Guillem, D’Alessio, Paola, Rodríguez, Luis F., Gómez, José F., & Torrelles, José M. 2012, *The Astrophysical Journal*, 746, 71-80
- 397 “The magnetic field of the H II region NGC 6334A from Faraday rotation,” Rodríguez, L. F., Gómez, Y., & Tafaya, D. 2012, *Monthly Notices of the Royal Astronomical Society*, 420, 279-282
- 398 “VLBA Determination of the Distance to nearby Star-forming Regions. V. Dynamical Mass, Distance, and Radio Structure of V773 Tau A,” Torres, Rosa M., Loinard, Laurent, Mioduszewski, Amy J., Boden, Andrew F., Franco-Hernández, Ramiro, Vlemmings, Wouter H. T. & Rodríguez, Luis F. 2012, *The Astrophysical Journal*, 747, 18-28
- 399 “Molecules in Eta Carinae,” Loinard, Laurent, Menten, Karl M., Güsten, Rolf, Zapata, Luis A., & Rodríguez, Luis F. 2012, *The Astrophysical Journal*, 749, L4-7
- 400 “Radio Continuum Emission from FS CMA Stars,” Rodríguez, L. F., Báez-Rubio, A. & Miroshnichenko, A. S. 2012, *Revista Mexicana de Astronomía y Astrofísica*, 48, 47-51
- 401 “Extended Non-Thermal Emission Possibly Associated with Cyg OB2 #5,” Ortiz-León, G. N., Rodríguez, L. F., & Tapia, M. 2012, *Revista Mexicana de Astronomía y Astrofísica*, 48, 85-93
- 402 “The universal time-evolution of an expanding HII region,” Raga, A. C., Cantó, J., & Rodríguez, L. F. 2012, *Revista Mexicana de Astronomía y Astrofísica*, 48, 149-157
- 403 “A Rotating Molecular Jet from a Perseus Protostar,” Pech, Gerardo, Zapata, Luis A., Loinard, Laurent, & Rodríguez, Luis F. 2012, *The Astrophysical Journal*, 751, 78-81
- 404 “Resolving the Circumstellar Disk around the Massive Protostar Driving the HH 80-81 Jet,” Carrasco-González, Carlos; Galván-Madrid, Roberto, Anglada, Guillem, Osorio, Mayra, D’Alessio, Paola, Hofner, Peter, Rodríguez, Luis F., Linz, Hendrik, & Araya, Esteban D. 2012, *The Astrophysical Journal*, 752, L29-34
- 405 “ALMA Observations of the Outflow from Source I in the Orion-KL Region,” Zapata, Luis A., Rodríguez, Luis F., Schmid-Burgk, Johannes, Loinard, Laurent,

- Menten, Karl M., & Curiel, Salvador. 2012, *The Astrophysical Journal*, 754, L17-21
- 406 “Compact Radio Sources in M17,” Rodríguez, Luis F., González, Ricardo F., Montes, Gabriela, Asiri, Hassan M., Raga, Alejandro C., & Cantó, Jorge. 2012, *The Astrophysical Journal*, 755, 152-160
- 407 “An analytic model for the strong-/weak-shock transition in a spherical blast wave,” Raga, A. C., Cantó, J., Rodríguez, L. F., & Velázquez, P. F. 2012, *Monthly Notices of the Royal Astronomical Society*, 424, 2522-2527
- 408 “Centimeter Continuum Observations of the Northern Head of the HH 80/81/80N Jet: Revising the Actual Dimensions of a Parsec-scale Jet,” Masqué, Josep M., Girart, Josep M., Estalella, Robert, Rodríguez, Luis F., & Beltrán, Maria T. 2012, *The Astrophysical Journal*, 758, L10-14
- 409 “New analytic and quasi-analytic solutions for wind-driven compact HII regions,” Raga, A. C., Cantó, J., & Rodríguez, L. F. 2012, *Revista Mexicana de Astronomía y Astrofísica*, 48, 199-207
- 410 “Radio and Optical Observations of DG Tau B,” Rodríguez, L. F., Dzib, S. A., Loinard, L., Zapata, L. A., Raga, A. C., Cantó, J., & Riera, A. 2012, *Revista Mexicana de Astronomía y Astrofísica*, 48, 243-249
- 411 “ALMA and VLA observations of recombination lines and continuum toward the Becklin-Neugebauer object in Orion,” Galván-Madrid, R., Goddi, C., & Rodríguez, L. F. 2012, *Astronomy & Astrophysics*, 547, L3-7
- 412 “Multi-epoch Very Long Baseline Array Observations of the Compact Wind-collision Region in the Quadruple System Cyg OB2 #5,” Dzib, Sergio A., Rodríguez, Luis F., Loinard, Laurent, Mioduszewski, Amy J., Ortiz-León, Gisela N., & Araudo, Anabella T. 2013, *The Astrophysical Journal*, 763, 139-146
- 413 “ALMA 690 GHz Observations of IRAS 16293?2422B: Infall in a Highly Optically Thick Disk,” Zapata, Luis A., Loinard, Laurent, Rodríguez, Luis F., Hernández-Hernández, Vicente, Takahashi, Satoko, Trejo, Alfonso, & Parise, Bérengère. 2013, *The Astrophysical Journal*, 764, L14-L18
- 414 “A 10,000 Year Old Explosion in DR21,” Zapata, Luis A., Schmid-Burgk, Johannes, Pérez-Goytia, Nadia, Ho, Paul T. P., Rodríguez, Luis F., Loinard, Laurent, & Cruz-González, Irene. 2013, *The Astrophysical Journal*, 765, L29-L32
- 415 “ALMA and VLA observations of the outflows in IRAS 16293-2422,” Loinard, Laurent, Zapata, Luis A., Rodríguez, Luis F., Pech, Gerardo, Chandler, Claire J., Brogan, Crystal L., Wilner, David J., Ho, Paul T. P., Parise, Bérengère, Hartmann, Lee W., Zhu, Zhaohuan, Takahashi, Satoko, & Trejo, Alfonso. 2013, *Monthly Notices of the Royal Astronomical Society*, 430, L10-L14
- 416 “Star Formation in the Massive ”Starless” Infrared Dark Cloud G0.253+0.016,” Rodríguez, Luis F. & Zapata, Luis A. 2013, *The Astrophysical Journal*, 767, L13-L15
- 417 “Formation and evolution of the water maser outflow event in AFGL 2591 VLA 3-N,” Trinidad, M. A., Curiel, S., Estalella, R., Cantó, J., Raga, A., Torrelles, J. M., Patel, N. A., Gómez, J. F., Anglada, G., Carrasco-González, C., & Rodríguez, L. F. 2013, *Monthly Notices of the Royal Astronomical Society*, 430, 1309-1323

- 418 “Exploring a thermal model for the time variability of the radio emission from the CEN 1a system,” González, R. F., Rodríguez, L. F., & Cantó, J. 2013, *Revista Mexicana de Astronomía y Astrofísica*, 49, 37-41
- 419 “A one-sided knot ejection at the core of the HH 111 outflow,” Gómez, L., Rodríguez, L. F., Loinard, L. 2013, *Revista Mexicana de Astronomía y Astrofísica*, 49, 79-85
- 420 “The Compact, Time-variable Radio Source Projected Inside W3(OH): Evidence for a Photoevaporated Disk?,” Dzib, Sergio A., Rodríguez-Garza, Carolina B., Rodríguez, Luis F., Kurtz, Stan E., Loinard, Laurent, Zapata, Luis A. & Lizano, Susana. 2013, *The Astrophysical Journal*, 772, 151-156
- 421 “The Gould’s Belt Very Large Array Survey. I. The Ophiuchus Complex,” Dzib, Sergio A., Loinard, Laurent, Mioduszewski, Amy J., Rodríguez, Luis F., Ortiz-León, Gisela N., Pech, Gerardo, Rivera, Juana L., Torres, Rosa M., Boden, Andrew F., Hartmann, Lee, Evans, Neal J., II, Briceño, Cesar & Tobin, John. 2013, *The Astrophysical Journal*, 775, 63-78
- 422 “Radio Sources Embedded in the Dense Core B59, the “Mouthpiece” of the Pipe Nebula,” Dzib, S. A., Rodríguez, L. F., Araudo, A. T., & Loinard, L. 2013, *Revista Mexicana de Astronomía y Astrofísica*, 49, 345-349
- 423 “MUSCLE W49: A Multi-Scale Continuum and Line Exploration of the Most Luminous Star Formation Region in the Milky Way. I. Data and the Mass Structure of the Giant Molecular Cloud,” Galván-Madrid, R., Liu, H. B., Zhang, Z.-Y., Pineda, J. E., Peng, T.-C., Zhang, Q., Keto, E. R., Ho, P. T. P., Rodríguez, L. F., Zapata, L., Peters, T. & De Pree, C. G. 2013, *The Astrophysical Journal*, 779, 121-148
- 424 “Time Monitoring of Radio Jets and Magnetospheres in the Nearby Young Stellar Cluster R Coronae Australis,” Liu, Haiyu Baobab, Galván-Madrid, Roberto, Forbrich, Jan, Rodríguez, Luis F., Takami, Michihiro, Costigan, Gráinne, Felice Manara, Carlo, Yan, Chi-Hung, Karr, Jennifer, Chou, Mei-Yin, Ho, Paul T.-P. & Zhang, Qizhou. 2014, *The Astrophysical Journal*, 780, 155-168
- 425 “Signatures of infall motions in the images of the molecular emission of G31.41+0.31 hot molecular core,” Mayen-Gijón, J. M., Anglada, G., Osorio, M., Rodríguez, L. F., Lizano, S., Gómez, J. F., & Carrasco-González, C. 2014, *Monthly Notices of the Royal Astronomical Society*, 437, 3766-3775
- 426 “Multi-epoch VLBA H<sub>2</sub>O maser observations towards the massive YSOs AFGL 2591 VLA 2 and VLA 3,” Torrelles, J. M., Trinidad, M. A., Curiel, S., Estalella, R., Patel, N. A., Gómez, J. F., Anglada, G., Carrasco-González, C., Cantó, J., Raga, A., & Rodríguez, L. F. 2014, *Monthly Notices of the Royal Astronomical Society*, 437, 3803-3811
- 427 “New Radio Continuum Observations of the Compact Source Projected Inside NGC 6334A,” Rodríguez, L. F., Masqué, J. M., Dzib, S. A., Loinard, L., & Kurtz, S. E. 2014, *Revista Mexicana de Astronomía y Astrofísica*, 50, 3-6
- 428 “Periodic Radio Continuum Emission Associated with the beta Cephei Star V2187 Cyg,” Tapia, M., Rodríguez, L. F., Tovmassian, G., Rodríguez-Gómez, V., González-Buitrago, D., Zharikov, S., & Ortiz-León, G. N. 2014, *Revista Mexicana de Astronomía y Astrofísica*, 50, 127-136

- 429 “Deep VLA Images of the HH 124 IRS Radio Cluster and Its Surroundings, and a New Determination of the Distance to NGC 2264,” Dzib, Sergio A., Loinard, Laurent, Rodríguez, Luis F., & Galli, Phillip. 2014, *The Astrophysical Journal*, 788, 162-172
- 430 “High angular resolution 7 mm images toward the UC HII region W3(OH),” Dzib, S. A., Rodríguez, L. F., Medina, S.-N. X., Loinard, L., Masqué, J. M., Kurtz, S., & Qiu, K. 2014, *Astronomy & Astrophysics*, 567, L5-L10
- 431 “The Peculiar Radio Source M17 JVLA 35,” Rodríguez, L. F., Carrasco-González, C., Montes, G., & Tapia, M. 2014, *The Astronomical Journal*, 148, 20-24
- 432 “The Gould’s Belt Very Large Array Survey. III. The Orion Region,” Kounkel, Marina, Hartmann, Lee, Loinard, Laurent, Mioduszewski, Amy J., Dzib, Sergio A., Ortiz-León, Gisela N., Rodríguez, Luis F., Pech, Gerardo, Rivera, Juana L., Torres, Rosa M., Boden, Andrew F., Evans, Neal J., II, Briceño, Cesar, & Tobin, John. 2014, *The Astrophysical Journal*, 790, 49-57
- 433 “JVLA Observations of IC 348 SW: Compact Radio Sources and their Nature,” Rodríguez, Luis F., Zapata, Luis A., & Palau, Aina. 2014, *The Astrophysical Journal*, 790, 80-83
- 434 “A very young, compact bipolar H<sub>2</sub>O maser outflow in the intermediate-mass star-forming LkH $\alpha$  234 region,” Torrelles, J. M., Curiel, S., Estalella, R., Anglada, G., Gómez, J. F., Cantó, J., Patel, N. A., Trinidad, M. A., Girart, J. M., Carrasco-González, C., & Rodríguez, L. F. 2014, *Monthly Notices of the Royal Astronomical Society*, 442, 148-159
- 435 “Imaging the Inner and Outer Gaps of the Pre-transitional Disk of HD 169142 at 7 mm,” Osorio, Mayra, Anglada, Guillem, Carrasco-González, Carlos, Torrelles, José M., Macías, Enrique, Rodríguez, Luis F., Gómez, José F., D’Alessio, Paola, Calvet, Nuria, Nagel, Erick, Dent, William R. F., Quanz, Sascha P., Reggiani, Maddalena, & Mayen-Gijon, Juan M. 2014, *The Astrophysical Journal*, 791, L36-L42
- 436 “The planetary nebula nature and properties of IRAS 18197-1118,” Miranda, L. F., Rodríguez, L. F., Pereira, C. B., & Vázquez, R. 2014, *Monthly Notices of the Royal Astronomical Society*, 442, 995-1002
- 437 “An Ionized Outflow from AB Aur, a Herbig Ae Star with a Transitional Disk,” Rodríguez, Luis F., Zapata, Luis A., Dzib, Sergio A., Ortiz-León, Gisela N., Loinard, Laurent, Macías, Enrique, & Anglada, Guillem. 2014, *The Astrophysical Journal*, 793, L21-L24
- 438 “IC 348-SMM2E: a Class 0 proto-brown dwarf candidate forming as a scaled-down version of low-mass stars,” Palau, Aina, Zapata, Luis A., Rodríguez, Luis F., Bouy, Hervé, Barrado, David, Morales-Calderón, María, Myers, Philip C., Chapman, Nicholas, Juárez, Carmen, & Li, Di. 2014, *Monthly Notices of the Royal Astronomical Society*, 444, 833-845
- 439 “Radio Continuum Sources associated with the HH 92 and HH 34 Jets,” Rodríguez, Luis F., Reipurth, Bo, & Chiang, Hsin-Fang. 2014, *Revista Mexicana de Astronomía y Astrofísica*, 50, 285-291
- 440 “The Slow Ionized Wind and Rotating Disklike System that are Associated with the High-mass Young Stellar Object G345.4938+01.4677,” Guzmán, Andrés E., Garay, Guido, Rodríguez, Luis F., Moran, James, Brooks, Kate J., Bronfman,



- Leonardo, Nyman, Lars-Ake, Sanhueza, Patricio, & Mardones, Diego. 2014, *The Astrophysical Journal*, 796, 117-136
- 441 “Weak and Compact Radio Emission in Early Massive Star Formation Regions: An Ionized Jet toward G11.11–0.12P1,” Rosero, V., Hofner, P., McCoy, M., Kurtz, S., Menten, K. M., Wyrowski, F., Araya, E. D., Loinard, L., Carrasco-González, C., Rodríguez, L. F., Cesaroni, R., & Ellingsen, S. P. 2014, *The Astrophysical Journal*, 796, 130-136
- 442 “Very Large Array and Jansky Very Large Array Observations of the Compact Radio Sources in M8,” Masqué, Josep M., Dzib, Sergio, & Rodríguez, Luis F. 2014, *The Astrophysical Journal*, 797, 60-67
- 443 “Kinematics of the Outflow from the Young Star DG Tau B: Rotation in the Vicinities of an Optical Jet,” Zapata, Luis A.; Lizano, Susana; Rodríguez, Luis F.; Ho, Paul T. P.; Loinard, Laurent; Fernández-López, Manuel; Tafoya, Daniel. 2015, *The Astrophysical Journal*, 798, 131-137
- 444 “ALMA reveals a candidate hot and compact disc around the O-type protostar IRAS 16547-4247,” Zapata, Luis A.; Palau, Aina; Galván-Madrid, Roberto; Rodríguez, Luis F.; Garay, Guido; Moran, James M.; Franco-Hernández, Ramiro, 2015, *Monthly Notices of the Royal Astronomical Society*, 447, 1826-1833
- 445 “The Gould’s Belt Very Large Array Survey. IV. The Taurus-Auriga Complex,” Dzib, Sergio A.; Loinard, Laurent; Rodríguez, Luis F.; Mioduszewski, Amy J.; Ortiz-León, Gisela N.; Kounkel, Marina A.; Pech, Gerardo; Rivera, Juana L.; Torres, Rosa M.; Boden, Andrew F.; Hartmann, Lee; Evans, Neal J., II; Briceño, Cesar; Tobin, John, 2015, *The Astrophysical Journal*, 801, 91-102
- 446 “Radio emission variability and proper motions of WR 112,” Yam, J. O.; Dzib, S. A.; Rodríguez, L. F.; Rodríguez-Gómez, V. 2015, *Revista Mexicana de Astronomía y Astrofísica*, 51, 35-40
- 447 “The Gould’s Belt Very Large Array Survey. II. The Serpens Region,” Ortiz-León, Gisela N., Loinard, Laurent, Mioduszewski, Amy J., Dzib, Sergio A., Rodríguez, Luis F., Pech, Gerardo, Rivera, Juana L., Torres, Rosa M., Boden, Andrew F., Hartmann, Lee, Evans, Neal J., II, Briceño, Cesar, Tobin, John, Kounkel, Marina A., & González-Lópezlira, Rosa A. 2015, *The Astrophysical Journal*, 805, 9-27
- 448 “Pre- and Post-burst Radio Observations of the Class 0 Protostar HOPS 383 in Orion,” Galván-Madrid, Roberto, Rodríguez, Luis F., Liu, Haiyu Baobab, Costigan, Gráinne, Palau, Aina, Zapata, Luis A., & Loinard, Laurent. 2015, *The Astrophysical Journal*, 806, L32-L36
- 449 “First Detection of Thermal Radiojets in a Sample of Proto-brown Dwarf Candidates,” Morata, Oscar, Palau, Aina, González, Ricardo F., de Gregorio-Monsalvo, Itziar, Ribas, Álvaro, Perger, Manuel, Bouy, Hervé, Barrado, David, Eiroa, Carlos, Bayo, Amelia, Huélamo, Nuria, Morales-Calderón, María, & Rodríguez, Luis F. 2015, *The Astrophysical Journal*, 807, 55-71
- 450 “Internal and Relative Motions of the Taurus and Ophiuchus Star-forming Regions,” Rivera, Juana L., Loinard, Laurent, Dzib, Sergio A., Ortiz-León, Gisela N., Rodríguez, Luis F. & Torres, Rosa M. 2015, *The Astrophysical Journal*, 807, 229-126

- 451 “Origin and Kinematics of the Eruptive Flow from XZ Tau Revealed by ALMA,” Zapata, Luis A.; Galván-Madrid, Roberto; Carrasco-González, Carlos; Curiel, Salvador; Palau, Aina; Rodríguez, Luis F.; Kurtz, Stan E.; Tafoya, Daniel; Loinard, Laurent. 2015, *The Astrophysical Journal*, 811, L4-L8
- 452 “Radio Monitoring of the Periodically Variable IR Source LRL 54361: No Direct Correlation between the Radio and IR Emissions,” Forbrich, Jan; Rodríguez, Luis F.; Palau, Aina; Zapata, Luis A.; Muzerolle, James; Gutermuth, Robert A. 2015, *The Astrophysical Journal*, 814, 15-18
- 453 “Proper Motions of the Outer Knots of the HH 80/81/80N Radio-jet,” Masqué, Josep M.; Rodríguez, Luis F.; Araudo, Anabella; Estalella, Robert; Carrasco-González, Carlos; Anglada, Guillem; Girart, Josep M.; Osorio, Mayra. 2015, *The Astrophysical Journal*, 814, 44-49
- 454 “A Study of Radio Polarization in Protostellar Jets,” Cécere, Mariana; Velázquez, Pablo F.; Araudo, Anabella T.; De Colle, Fabio; Esquivel, Alejandro; Carrasco-González, Carlos; Rodríguez, Luis F. 2016, *The Astrophysical Journal*, 816, 64-71
- 455 “Absence of Significant Cool Disks in Young Stellar Objects Exhibiting Repetitive Optical Outbursts,” Liu, Hanyu Baobab; Galván-Madrid, Roberto; Vorobyov, Eduard I.; Kóspál, Agnes; Rodríguez, Luis F.; Dunham, Michael M.; Hirano, Naomi; Henning, Thomas; Takami, Michihiro; Dong, Ruobing; Hashimoto, Jun; Hasegawa, Yasuhiro; Carrasco-González, Carlos. 2016, *The Astrophysical Journal*, 816, L29-L34
- 456 “Investigating Particle Acceleration in Protostellar Jets: The Triple Radio Continuum Source in Serpens,” Rodríguez-Kamenetzky, Adriana; Carrasco-González, Carlos; Araudo, Anabella; Torrelles, José M.; Anglada, Guillem; Martí, Josep; Rodríguez, Luis F.; Valotto, Carlos. 2016, *The Astrophysical Journal*, 818, 27-36
- 457 “The Gould’s Belt Very Large Array Survey. V. The Perseus Region,” Pech, Gerardo; Loinard, Laurent; Dzib, Sergio A.; Mioduszewski, Amy J.; Rodríguez, Luis F.; Ortiz-León, Gisela N.; Rivera, Juana L.; Torres, Rosa M.; Boden, Andrew F.; Hartman, Lee; Kounkel, Marina A.; Evans, Neal J., II; Briceño, Cesar; Tobin, John; Zapata, Luis A. 2016, *The Astrophysical Journal*, 818, 116-135
- 458 “Detection of Linearly Polarized 6.9 mm Continuum Emission from the Class 0 Young Stellar Object NGC 1333 IRAS4A,” Liu, Hanyu Baobab; Lai, Shih-Ping; Hasegawa, Yasuhiro; Hirano, Naomi; Rao, Ramprasad; Li, I.-Hsiu; Fukagawa, Misato; Girart, Josep M.; Carrasco-González, Carlos; Rodríguez, Luis F. 2016, *The Astrophysical Journal*, 821, 41-49
- 459 “The VLA View of the HL Tau Disk: Disk Mass, Grain Evolution, and Early Planet Formation,” Carrasco-González, Carlos; Henning, Thomas; Chandler, Claire J.; Linz, Hendrik; Pérez, Laura; Rodríguez, Luis F.; Galván-Madrid, Roberto; Anglada, Guillem; Birnstiel, Til; van Boekel, Roy; Flock, Mario; Klahr, Hubert; Macías, Enrique; Menten, Karl; Osorio, Mayra; Testi, Leonardo; Torrelles, José M.; Zhu, Zhaohuan. 2016, *The Astrophysical Journal*, 821, L16-L21
- 460 “A Dwarf Transitional Protoplanetary Disk around XZ Tau B,” Osorio, Mayra; Macías, Enrique; Anglada, Guillem; Carrasco-González, Carlos; Galván-Madrid, Roberto; Zapata, Luis; Calvet, Nuria; Gómez, José F.; Nagel, Erick; Rodríguez,

- Luis F.; Torrelles, José M.; Zhu, Zhaohuan, 2016, *The Astrophysical Journal*, 825, L10-L15
- 461 “Deep VLA observations of nearby star forming regions I: Barnard 59 and Lupus 1,” Dzib, S. A.; Loinard, L.; Medina, S.-N. X.; Rodríguez, L. F.; Mioduszewski, A. J.; Torres, R. M. 2016, *Revista Mexicana de Astronomía y Astrofísica*, 52, 317-327
- 462 “VLBA Determination of the Distance to Nearby Star-forming Regions. VII. Monoceros R2,” Dzib, Sergio A.; Ortiz-León, Gisela N.; Loinard, Laurent; Mioduszewski, Amy J.; Rodríguez, Luis F.; Torres, Rosa M.; Deller, Adam. 2016, *The Astrophysical Journal*, 826, 201-207
- 463 “A Protostellar Jet Emanating from a Hypercompact H ii Region,” Guzmán, Andrés E.; Garay, Guido; Rodríguez, Luis F.; Contreras, Yanett; Dougados, Catherine; Cabrit, Sylvie. 2016, *The Astrophysical Journal*, 826, 208-225
- 464 “Imaging the Photoevaporating Disk and Radio Jet of GM Aur,” Macías, Enrique; Anglada, Guillem; Osorio, Mayra; Calvet, Nuria; Torrelles, José M.; Gómez, José F.; Espaillat, Catherine; Lizano, Susana; Rodríguez, Luis F.; Carrasco-González, Carlos; Zapata, Luis. 2016, *The Astrophysical Journal*, 829, 1-6
- 465 “The Radio Jet Associated with the Multiple V380 Ori System,” Rodríguez, Luis F.; Yam, J. Omar; Carrasco-González, Carlos; Anglada, Guillem; Trejo, Alfonso. 2016, *The Astronomical Journal*, 152, 101-104
- 466 “SMA observations towards the compact, short-lived bipolar water maser outflow in the LkH234 region,” Girart, J. M.; Torrelles, J. M.; Estalella, R.; Curiel, S.; Anglada, G.; Gómez, J. F.; Carrasco-González, C.; Cantó, J.; Rodríguez, L. F.; Patel, N. A.; Trinidad, M. A. 2016, *Monthly Notices of the Royal Astronomical Society*, 462, 352-361
- 467 “Spatial Distribution and Kinematics of the Molecular Material Associated with eta Carinae,” Loinard, Laurent; Kamiski, Tomasz; Serra, Paolo; Menten, Karl M.; Zapata, Luis A.; Rodríguez, Luis F. 2016, *The Astrophysical Journal*, 833, 48-53
- 468 “Weak and Compact Radio Emission in Early High-mass Star-forming Regions. I. VLA Observations,” Rosero, V.; Hofner, P.; Claussen, M.; Kurtz, S.; Cesaroni, R.; Araya, E. D.; Carrasco-González, C.; Rodríguez, L. F.; Menten, K. M.; Wyrowski, F.; Loinard, L.; Ellingsen, S. P. 2016, *The Astrophysical Journal Supplement Series*, 227, 25-49
- 469 “3.3 cm JVLA Observations of Transitional Disks: Searching for Centimeter Pebbles,” Zapata, Luis A.; Rodríguez, Luis F.; Palau, Aina. 2017. *The Astrophysical Journal*, 834, 138 (7pp)
- 470 “Radio Measurements of the Stellar Proper Motions in the Core of the Orion Nebula Cluster,” Dzib, Sergio A.; Loinard, Laurent; Rodríguez, Luis F.; Gómez, Laura; Forbrich, Jan; Menten, Karl M.; Kounkel, Marina A.; Mioduszewski, Amy J.; Hartmann, Lee; Tobin, John J.; Rivera, Juana L. 2017, *The Astrophysical Journal*, 834, 139 (10 pp)
- 471 “The Proper Motions of the Double Radio Source n in the Orion BN/KL Region,” Rodríguez, Luis F.; Dzib, Sergio A.; Loinard, Laurent; Zapata, Luis; Gómez, Laura; Menten, Karl M.; Lizano, Susana. 2017, *The Astrophysical Journal*, 834, 140 (8 pp)

- 472 “The Goulds Belt Distances Survey (GOBELINS). I. Trigonometric Parallax Distances and Depth of the Ophiuchus Complex,” Ortiz-León, Gisela N.; Loinard, Laurent; Kounkel, Marina A.; Dzib, Sergio A.; Mioduszewski, Amy J.; Rodríguez, Luis F.; Torres, Rosa M.; González-Lópezlira, Rosa A.; Pech, Gerardo; Rivera, Juana L.; Hartmann, Lee; Boden, Andrew F.; Evans, Neal J., II; Briceño, Cesar; Tobin, John J.; Galli, Phillip A. B.; Gudehus, Donald. 2017, *The Astrophysical Journal*, 834, 141 (35 pp)
- 473 “The Goulds Belt Distances Survey (GOBELINS) II. Distances and Structure toward the Orion Molecular Clouds,” Kounkel, Marina; Hartmann, Lee; Loinard, Laurent; Ortiz-León, Gisela N.; Mioduszewski, Amy J.; Rodríguez, Luis F.; Dzib, Sergio A.; Torres, Rosa M.; Pech, Gerardo; Galli, Phillip A. B.; Rivera, Juana L.; Boden, Andrew F.; Evans, Neal J., II; Briceño, Cesar; Tobin, John J. 2017, *The Astrophysical Journal*, 834, 142 (17 pp)
- 474 “The Goulds Belt Distances Survey (GOBELINS). III. The Distance to the Serpens/Aquila Molecular Complex,” Ortiz-León, Gisela N.; Dzib, Sergio A.; Kounkel, Marina A.; Loinard, Laurent; Mioduszewski, Amy J.; Rodríguez, Luis F.; Torres, Rosa M.; Pech, Gerardo; Rivera, Juana L.; Hartmann, Lee; Boden, Andrew F.; Evans, Neal J., II; Briceño, Cesar; Tobin, John J.; Galli, Phillip A. B. 2017, *The Astrophysical Journal*, 834, 143 (16 pp)
- 475 “Searching for Compact Radio Sources Associated with UCHII Regions,” Masqué, Josep M.; Rodríguez, Luis F.; Trinidad, Miguel A.; Kurtz, Stan; Dzib, Sergio A.; Rodríguez-Rico, Carlos A.; Loinard, Laurent. 2017, *The Astrophysical Journal*, 836, 98 (15 pp)
- 476 “Molecular Outflows: Explosive versus Protostellar,” Zapata, Luis A.; Schmid-Burgk, Johannes; Rodríguez, Luis F.; Palau, Aina; Loinard, Laurent. 2017, *The Astrophysical Journal*, 836, 133 (10 pp)
- 477 “Imaging a Central Ionized Component, a Narrow Ring, and the CO Snowline in the Multigapped Disk of HD 169142,” Macías, Enrique; Anglada, Guillem; Osorio, Mayra; Torrelles, José M.; Carrasco-González, Carlos; Gómez, José F.; Rodríguez, Luis F.; Sierra, Anibal. 2017, *The Astrophysical Journal*, 838, 97 (9 pp)
- 478 “Limits to the Magnetic Field in the Planetary Nebula NGC 246 from Faraday Rotation,” Rodríguez, L. F.; Carrasco-Gonzalez, C.; Cantó, J.; Pasetto, A.; Raga, A. C.; Tafoya, D. 2017, *Revista Mexicana de Astronomía y Astrofísica*, 53, 45-52
- 479 “Deep into the Water Fountains. The case of IRAS 18043-2116,” Pérez-Sánchez, A. F.; Tafoya, D.; García López, R.; Vlemmings, W.; Rodríguez, L. F. 2017, *Astronomy & Astrophysics*, 601, 68 (10 pp)
- 480 “JVLA Observations of Young Brown Dwarfs,” Rodríguez, Luis F.; Zapata, Luis A.; Palau, Aina. 2017, *The Astronomical Journal*, 153, 209 (10 pp)
- 481 “Star Formation Under the Outflow: The Discovery of a Non-thermal Jet from OMC-2 FIR 3 and Its Relationship to the Deeply Embedded FIR 4 Protostar,” Osorio, Mayra; Díaz-Rodríguez, Ana K.; Anglada, Guillem; Megeath, S. Thomas; Rodríguez, Luis F.; Tobin, John J.; Stutz, Amelia M.; Furlan, Elise; Fischer, William J.; Manoj, P.; Gómez, José F.; González-García, Beatriz; Stanke, Thomas; Watson, Dan M.; Loinard, Laurent; Vavrek, Roland; Carrasco-González, Carlos. 2017, *The Astrophysical Journal*, 840, 36 (12 pp)

- 482 “A concordant scenario to explain FU Orionis from deep centimeter and millimeter interferometric observations,” Liu, Haoyu Baobab; Vorobyov, Eduard I.; Dong, Ruobing; Dunham, Michael M.; Takami, Michihiro; Galván-Madrid, Roberto; Hashimoto, Jun; Kóspál, Ágnes; Henning, Thomas; Tamura, Motohide; Rodríguez, Luis F.; Hirano, Naomi; Hasegawa, Yasuhiro; Fukagawa, Misato; Carrasco-Gonzalez, Carlos; Tazzari, Marco. 2017, *Astronomy & Astrophysics*, 602, 19 (10 pp)
- 483 “The properties of the inner disk around HL Tau: Multi-wavelength modeling of the dust emission,” Liu, Yao; Henning, Thomas; Carrasco-González, Carlos; Chandler, Claire J.; Linz, Hendrik; Birnstiel, Til; van Boekel, Roy; Pérez, Laura M.; Flock, Mario; Testi, Leonardo; Rodríguez, Luis F.; Galván-Madrid, Roberto. 2017, *Astronomy & Astrophysics*, 607, id.A74, 10 pp.
- 484 “Serendipitous Discovery of an Optical Emission-line Jet in NGC 232,” López-Cobá, C.; Sánchez, S. F.; Cruz-González, I.; Binette, L.; Galbany, L.; Krühler, T.; Rodríguez, L. F.; Barrera-Ballesteros, J. K.; Sánchez-Menguiano, L.; Walcher, C. J.; Aquino-Ortiz, E.; Anderson, J. P. 2017, *The Astrophysical Journal Letters*, Volume 850, Issue 1, article id. L17, 5 pp.
- 485 “A model for a photoionized, conical jet from a young, massive star,” Raga, A. C.; Cantó, J.; Tinoco-Arenas, A.; Rodríguez-Ramírez, J. C.; Rodríguez, L. F.; Lizano, S. 2017, *Monthly Notices of the Royal Astronomical Society*, Volume 471, Issue 4, p. 4910-4916
- 486 “The Highly Collimated Radio Jet of HH 80-81: Structure and Nonthermal Emission,” Rodríguez-Kamenetzky, Adriana; Carrasco-González, Carlos; Araudo, Anabella; Romero, Gustavo E.; Torrelles, José M.; Rodríguez, Luis F.; Anglada, Guillem; Martí, Josep; Perucho, Manel; Valotto, Carlos. 2017, *The Astrophysical Journal*, Volume 851, Issue 1, 12 pp.
- 487 “Richness of compact radio sources in NGC 6334D to F,” Medina, S.-N. X.; Dzib, S. A.; Tapia, M.; Rodríguez, L. F.; Loinard, L. 2018, *Astronomy & Astrophysics*, 610, A27
- 488 “VLBA Determination of the Distance to Nearby Star-forming Regions. VIII. The LkH $\alpha$  101 Cluster,” Dzib, Sergio A.; Ortiz-León, Gisela N.; Loinard, L.; Mioduszewski, A. J.; Rodríguez, L. F.; Medina, S.-N. X.; Torres, R. M. 2018, *The Astrophysical Journal*, Volume 853, 4pp
- 489 “Resolving the Polarized Dust Emission of the Disk around the Massive Star Powering the HH 80-81 Radio Jet,” Girart, J. M.; Fernández-Lpez, M.; Li, Z. - Y.; Yang, H.; Estalella, R.; Anglada, G.; ñez-López, N.; Busquet, G.; Carrasco-González, C.; Curiel, S.; Galván-Madrid, R.; Gómez, J. F.; de Gregorio-Monsalvo, I.; Jiménez-Serra, I.; Krasnopolsky, R.; Martí, J.; Osorio, M.; Padovani, M.; Rao, R.; Rodríguez, L. F.; Torrelles, J. M. 2018, *The Astrophysical Journal*, 856, L27
- 490 “A Comparison of the Radio and Optical Time-Evolution of HH 1 and 2,” Rodríguez, L. F.; Raga, A. C.; Rodríguez-Kamenetzky, A.; Carrasco-González, C. 2018, *Revista Mexicana de Astronomía y Astrofísica* Vol. 54, pp. 57
- 491 “VLBA Observations of Strong Anisotropic Radio Scattering Toward the Orion Nebula,” Kounkel, Marina; Hartmann, Lee; Loinard, Laurent; Mioduszewski, Amy J.; Rodríguez, Luis F.; Ortiz-León, Gisela N.; Johnson, Michael D.; Torres, Rosa

- M.; Briceño, César. 2018, *The Astronomical Journal*, Volume 155, Issue 5, article id. 218, 5 pp
- 492 “The Gould’s Belt Distances Survey (GOBELINS). IV. Distance, Depth, and Kinematics of the Taurus Star-forming Region,” Galli, Phillip A. B.; Loinard, Laurent; Ortiz-León, Gisela N.; Kounkel, Marina; Dzib, Sergio A.; Mioduszewski, Amy J.; Rodríguez, Luis F.; Hartmann, Lee; Teixeira, Ramachrisna; Torres, Rosa M.; Rivera, Juana L.; Boden, Andrew F.; Evans, Neal J., II; Briceño, Cesar; Tobin, John J.; Heyer, Mark. 2018, *The Astrophysical Journal*, Volume 859, Issue 1, article id. 33, 27 pp.
- 493 “Radio jets from young stellar objects,” Anglada, Guillem; Rodríguez, Luis F.; Carrasco-González, Carlos. 2018, *The Astronomy and Astrophysics Review*, Volume 26, Issue 1, article id. 3, 52 pp.
- 494 “A submillimeter background galaxy projected on the debris disk of HD95086 revealed by ALMA,” Zapata, Luis A.; Ho, Paul T. P.; Rodríguez, Luis F. 2018, *Monthly Notices of the Royal Astronomical Society*, Volume 476, Issue 4, p.5382-5387
- 495 “The Goulds Belt Distances Survey (GOBELINS). V. Distances and Kinematics of the Perseus Molecular Cloud,” Ortiz-León, Gisela N.; Loinard, Laurent; Dzib, Sergio A.; Galli, Phillip A. B.; Kounkel, Marina; Mioduszewski, Amy J.; Rodríguez, Luis F.; Torres, Rosa M.; Hartmann, Lee; Boden, Andrew F.; Evans, Neal J., II; Briceño, Cesar; Tobin, John J. 2018, *The Astrophysical Journal*, Volume 865, Issue 1, article id. 73, 12 pp.
- 496 “The Enigmatic Compact Radio Source Coincident with the Energetic X-Ray Pulsar PSR J1813-1749 and HESS J1813-178,” Dzib, Sergio A.; Rodríguez, Luis F.; Karuppusamy, Ramesh; Loinard, Laurent; Medina, Sac-Nicté X. 2018, *The Astrophysical Journal*, Volume 866, Issue 2, article id. 100, 6 pp.
- 497 “ALMA Reveals a Collision between Protostellar Outflows in BHR 71,” Zapata, Luis A.; Fernández-López, Manuel; Rodríguez, Luis F.; Garay, Guido; Takahashi, Satoko; Lee, Chin-Fei; Hernández-Gómez, Antonio. 2018, *The Astronomical Journal*, Volume 156, Issue 5, article id. 239, 7 pp
- 498 “Distances and Kinematics of Gould Belt Star-forming Regions with Gaia DR2 Results,” Dzib, Sergio A.; Loinard, Laurent; Ortiz-León, Gisela N.; Rodríguez, Luis F.; Galli, Phillip A. B. 2018, *The Astrophysical Journal*, Volume 867, Issue 2, article id. 151, 16 pp.
- 499 “On the Effects of Self-obscuration in the (Sub)Millimeter Spectral Indices and the Appearance of Protostellar Disks,” Galv’an-Madrid, Roberto; Liu, Hanyu Baobab; Izquierdo, Andrés F.; Miotello, Anna; Zhao, Bo; Carrasco-González, Carlos; Lizano, Susana; Rodríguez, Luis F. 2018, *The Astrophysical Journal*, Volume 868, Issue 1, article id. 39, 13 pp.
- 500 “Gaia-DR2 Confirms VLBA Parallaxes in Ophiuchus, Serpens, and Aquila,” Ortiz-León, Gisela N.; Loinard, Laurent; Dzib, Sergio A.; Kounkel, Marina; Galli, Phillip A. B.; Tobin, John J.; Evans, Neal J., II; Hartmann, Lee; Rodríguez, Luis F.; Briceño, Cesar; Torres, Rosa M.; Mioduszewski, Amy J. 2018, *The Astrophysical Journal Letters*, Volume 869, Issue 2, article id. L33, 6 pp.

- 500 “Flat-spectrum Radio Continuum Emission Associated with  $\epsilon$  Eridani,” Rodríguez, Luis F.; Lizano, Susana; Loinard, Laurent; Chávez-Dagostino, Miguel; Bastian, Timothy S.; Beasley, Anthony J. 2019, *The Astrophysical Journal*, Volume 871, Issue 2, article id. 172, 7 pp.
- 501 “An Asymmetric Keplerian Disk Surrounding the O-type Protostar IRAS 16547-4247,” Zapata, Luis A.; Garay, Guido; Palau, Aina; Rodríguez, Luis F.; Fernández-López, Manuel; Estalella, Robert; Guzmán, Andres. 2019, *The Astrophysical Journal*, Volume 872, Issue 2, article id. 176, 7 pp.
- 502 “Particle acceleration in the Herbig-Haro objects HH 80 and HH 81,” Rodríguez-Kamenetzky, Adriana; Carrasco-González, Carlos; González-Martín, Omaira; Araudo, Anabella T.; Rodríguez, Luis Felipe; Vig, Sarita; Hofner, Peter 2019, *Monthly Notices of the Royal Astronomical Society*, Volume 482, Issue 4, p.4687-4696
- 503 “Unveiling a cluster of protostellar disks around the massive protostar GGD 27 MM1,” Busquet, G.; Girart, J. M.; Estalella, R.; Fernández-López, M.; Galván-Madrid, R.; Anglada, G.; Carrasco-González, C.; Añez-López, N.; Curiel, S.; Osorio, M.; Rodríguez, L. F.; Torrelles, J. M. 2019, *Astronomy & Astrophysics*, Volume 623, id.L8, 11 pp.
- 504 “On the Nature of the Compact Sources in IRAS 16293?2422 Seen at Centimeter to Submillimeter Wavelengths,” Hernández-Gómez, Antonio; Loinard, Laurent; Chandler, Claire J.; Rodríguez, Luis F.; Zapata, Luis A.; Wilner, David J.; Ho, Paul T. P.; Caux, Emmanuel; Quénard, David; Bottinelli, Sandrine; Brogan, Crystal L.; Hartmann, Lee; Menten, Karl M. 2019, *The Astrophysical Journal*, Volume 875, Issue 2, article id. 94, 12 pp.
- 505 “G5.89: an explosive outflow powered by a proto-stellar merger?,” Zapata, Luis A.; Ho, Paul T. P.; Guzmán Ccolque, Estrella; Fernández-López, Manuel; Rodríguez, Luis F.; Bally, John; Sanhueza, Patricio; Palau, Aina; Saito, Masao. 2019, *Monthly Notices of the Royal Astronomical Society: Letters*, Volume 486, Issue 1, p.L15-L19
- 506 “Weak and Compact Radio Emission in Early High-mass Star-forming Regions. II. The Nature of the Radio Sources,” Rosero, V.; Hofner, P.; Kurtz, S.; Cesaroni, R.; Carrasco-González, C.; Araya, E. D.; Rodríguez, L. F.; Menten, K. M.; Wyrowski, F.; Loinard, L.; Ellingsen, S. P.; Molinari, S. 2019, *The Astrophysical Journal*, Volume 880, Issue 2, article id. 99, 23 pp.
- 507 “The Radial Distribution of Dust Particles in the HL Tau Disk from ALMA and VLA Observations,” Carrasco-González, Carlos; Sierra, Anibal; Flock, Mario; Zhu, Zhaohuan; Henning, Thomas; Chandler, Claire; Galván-Madrid, Roberto; Macas, Enrique; Anglada, Guillem; Linz, Hendrik; Osorio, Mayra; Rodríguez, Luis F.; Testi, Leonardo; Torrelles, Jos M.; Prez, Laura; Liu, Yao. 2019, *The Astrophysical Journal*, Volume 883, Issue 1, article id. 71, 21 pp.
- 508 “Multiwavelength observations of the triple-peaked AGN Mrk 622,” Benítez, E.; Cruz-González, I.; Rodríguez-Espinosa, J. M.; González-Martín, O.; Negrete, C. A.; Gutiérrez, L.; Jiménez-Bailón, E.; Ruschel-Dutra, D.; Rodríguez, L. F.; Loinard, L.; Binette, L. 2019, *Monthly Notices of the Royal Astronomical Society*, 490, 5521-5537

- 509 “ALMA Observations of Two Massive and Dense MALT90 Clumps,” Neupane, Sudeep; Garay, Guido; Contreras, Yanett; Guzmán, Andrés E.; Rodríguez, Luis Felipe. 2020, *The Astrophysical Journal*, 890, 76-97
- 510 “A Massive Young Runaway Star in W49 North,” Rodríguez, Luis F.; Galván-Madrid, Roberto; Sanchez-Bermudez, Joel; Pree, Christopher G. De. 2020, *The Astrophysical Journal*, 890, 165-170
- 511 “A Ringed Pole-on Outflow from DO Tauri Revealed by ALMA ,” Fernández-López, Manuel; Zapata, Luis A.; Rodríguez, Luis F.; Vazzano, María M.; Guzmán, Andrés E.; López, Rosario. 2020, *The Astronomical Journal*, 159, 171, 26 pages.
- 512 “Proper Motions of the Radio Source Orion MR, Formerly Known as Orion n, and New Sources with Large Proper Motions in Orion BN/KL,” Rodríguez, Luis F.; Dzib, Sergio A.; Zapata, Luis; Lizano, Susana; Loinard, Laurent; Menten, Karl M.; Gómez, Laura. 2020, *The Astrophysical Journal*, 892, 82, 14 pages.
- 513 “Tidal Interaction between the UX Tauri A/C Disk System Revealed by ALMA,” Zapata, Luis A.; Rodríguez, Luis F.; Fernández-López, Manuel; Palau, Aina; Estalella, Robert; Osorio, Mayra; Anglada, Guillem; Huelamo, Nuria. 2020, *The Astrophysical Journal*, 896, 132, 9 pp.
- 514 “Characterizing the radio continuum nature of sources in the massive star-forming region W75N (B),” Rodríguez-Kamenetzky, A.; Carrasco-González, C.; Torrelles, J. M.; Vlemmings, W. H. T.; Rodríguez, L. F.; Surcis, G.; Gmez, J. F.; Cantó, J.; Goddi, C.; Kim, J. S.; Kim, S. -W.; Añez-López, N.; Curiel, S.; van Langevelde, H. J. 2020, *Monthly Notices of the Royal Astronomical Society*, 496, 3128-3141
- 515 “A Radio Pinwheel Emanating from WR 147,” Rodríguez, Luis F.; Arthur, Jane; Montes, Gabriela; Carrasco-González, Carlos; Toalá, Jesús A. 2020, *The Astrophysical Journal*, 800, L3-L6
- 516 “Confirming the Explosive Outflow in G5.89 with ALMA,” Zapata, Luis A.; Ho, Paul T. P.; Fernández-López, Manuel; Ccolque, Estrella Guzmán; Rodríguez, Luis F.; Reyes-Valdés, Jos; Bally, John; Palau, Aina; Saito, Masao; Sanhueza, Patricio; Rivera-Ortiz, P. R.; Rodríguez-González, A. 2020, *The Astrophysical Journal*, 902, L17-L23
- 517 “A Photoionized Accretion Disk around a Young High-mass Star,” Guzmán, Andrés E.; Sanhueza, Patricio; Zapata, Luis; Garay, Guido ; Rodríguez, Luis Felipe. 2020, *The Astrophysical Journal*, 904, 77-98
- 518 “VLA ammonia observations of L1287. Analysis of the Guitar core and two filaments,” Sepúlveda, Inma; Estalella, Robert; Anglada, Guillem; López, Rosario; Riera, Angels; Busquet, Gemma; Palau, Aina; Torrelles, José M.; Rodríguez, Luis F. 2020, *Astrophysics & Astrophysics*, 644, 128-148
- 519 “Exploring the Nature of Compact Radio Sources Associated to UCHII Regions,” Masqué, J. M.; Rodríguez, L. F.; Dzib, S. A.; Medina, S. N.; Loinard, L.; Trinidad, M. A.; Kurtz, S. E.; Rodríguez-Rico, C. A. 2021, *Revista Mexicana de Astronomía y Astrofísica* Vol. 57, 81-89



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