



**Sistema Integral de Información Académica**  
**Dirección General de Evaluación Institucional**  
**Reporte de Producción Académica**



**DANIEL TAFOYA MARTINEZ**

## Datos Generales

**Nombre:** DANIEL TAFOYA MARTINEZ

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 2 años, 4 meses, 1 día

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## Nombramientos

**Último:** INVESTIGADOR ASOCIADO C TC No Definitivo  
Instituto de Radioastronomía y Astrofísica  
Desde 16-08-2015 hasta 31-01-2016

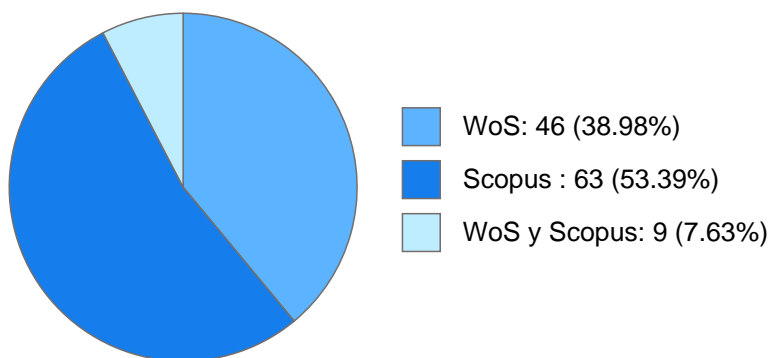
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## Estímulos, programas, premios y reconocimientos

SNI I 2015 - 2017  
EQUIVALENCIA PRIDE B 2014 - 2016

## DOCUMENTOS EN REVISTAS

### Histórico de Documentos



#	Título	Autores	Revista	Año
1	The heart of Sakurai's object revealed by ALMA	DANIEL TAFOYA MARTINEZ Van Hoof P.A.M. Toalá J.A. et al.	ASTRONOMY & ASTROPHYSICS PUBLICATIONS	2023
2	The symbiotic and bipolar nebula M 2-9: Morphological variability of the collimated ionized wind arising from the core	DANIEL TAFOYA MARTINEZ IVAN ALEJANDRO TOLEDANO JUAREZ De La Fuente E. et al.	OF THE ASTRONOMICAL SOCIETY OF JAPAN	2022
3	Is there a sub-parsec-scale jet base in the nearby dwarf galaxy NGC 4395?	DANIEL TAFOYA MARTINEZ Yang J. Yang X. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
4	First Images of the Molecular Gas around a Born-again Star Revealed by ALMA	DANIEL TAFOYA MARTINEZ JESUS ALBERTO TOALA SANZ LUIS ALBERTO ZAPATA GONZALEZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2022
5	Common envelope evolution in born-again planetary nebulae - Shaping the H-deficient ejecta of A 30	JESUS ALBERTO TOALA SANZ DANIEL TAFOYA MARTINEZ LAURENCE SABIN et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
6	Discovery of SiO Masers in the "water Fountain" Source IRAS 16552-3050	DANIEL TAFOYA MARTINEZ LUCERO USCANGA AGUILERA Amada K. et al.	ASTRONOMICAL JOURNAL	2022

7	Erratum: The ALMA Survey of 70 $\mu\text{m}$ Dark High-mass Clumps in Early Stages (ASHES). IV. Star Formation Signatures in G023.477 (ApJ (2021) 923 (147) DOI: 10.3847/1538-4357/ac2365)	DANIEL TAFOYA MARTINEZ Morii K. Sanhueza P. et al.	ASTROPHYSICAL JOURNAL	2022
8	Observational identification of a sample of likely recent common-envelope events	DANIEL TAFOYA MARTINEZ ANDRES FELIPE PEREZ SANCHEZ Khouri T. et al.	Nature Astronomy	2022
9	Maser emission from the CO envelope of the asymptotic giant branch star W Hydrae	DANIEL TAFOYA MARTINEZ Vlemmings W.H.T. Khouri T.	ASTRONOMY & ASTROPHYSICS	2021
10	A study of radial self-similar non-relativistic MHD outflow models: Parameter space exploration and application to the water fountain W43A	YURI CAVECCHI DANIEL TAFOYA MARTINEZ Ceccobello C. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
11	The ALMA Survey of 70	DANIEL TAFOYA MARTINEZ Morii K. Sanhueza P. et al.	ASTROPHYSICAL JOURNAL	2021
12	Heavy-element Rydberg transition line emission from the post-giant-evolution star HD 101584	DANIEL TAFOYA MARTINEZ Olofsson H. Black J.H. et al.	ASTRONOMY & ASTROPHYSICS	2021
13	Water and silicon-monoxide masers monitored towards the water fountain sources	LUCERO USCANGA AGUILERA DANIEL TAFOYA MARTINEZ Imai H. et al.	Iau Symposium Proceedings Series	2021
14	DEATHSTAR: Nearby AGB stars with the Atacama Compact Array: I. CO envelope sizes and asymmetries: A new hope for accurate mass-loss-rate estimates	DANIEL TAFOYA MARTINEZ Ramstedt S. Vlemmings W.H.T. et al.	ASTRONOMY & ASTROPHYSICS	2020
15	The ALMA Survey of 70 $\mu\text{m}$ Dark High-mass Clumps in Early Stages (ASHES). II. Molecular Outflows in the Extreme Early Stages of Protocluster Formation	DANIEL TAFOYA MARTINEZ Li S. Sanhueza P. et al.	ASTROPHYSICAL JOURNAL	2020
16	VLT/PIONIER reveals the close environment of the evolved system HD 101584	DANIEL TAFOYA MARTINEZ Kluska J. Olofsson H. et al.	ASTRONOMY & ASTROPHYSICS	2020
17	Shaping the Envelope of the Asymptotic Giant Branch Star W43A with a Collimated Fast Jet	DANIEL TAFOYA MARTINEZ Imai H. Gómez J.F. et al.	ASTROPHYSICAL JOURNAL LETTERS	2020
18	Spatio-kinematical model of the collimated molecular outflow in the water-fountain nebula IRAS 16342-3814	DANIEL TAFOYA MARTINEZ ANDRES FELIPE PEREZ SANCHEZ Orosz G. et al.	ASTRONOMY & ASTROPHYSICS	2019



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19	A rotating fast bipolar wind and disk system around the B[e]-type star MWC 922	ALEJANDRO BAEZ RUBIO DANIEL TAFOYA MARTINEZ Sánchez Contreras C. et al.	ASTRONOMY & ASTROPHYSICS	2019
20	Rapidly evolving episodic outflow in IRAS 18113-2503: Clues to the ejection mechanism of the fastest water fountain	DANIEL TAFOYA MARTINEZ Orosz G. Gómez J.F. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2019
21	HD 101584: Circumstellar characteristics and evolutionary status	DANIEL TAFOYA MARTINEZ Olofsson H. Khouri T. et al.	ASTRONOMY & ASTROPHYSICS	2019
22	Bow shocks in water fountain jets	DANIEL TAFOYA MARTINEZ Orosz G. Gómez J.F. et al.	Iau Symposium Proceedings Series	2017
23	A detailed study toward the Water fountain IRAS 15445-5449	DANIEL TAFOYA MARTINEZ Pérez-Sánchez A.F. López R.G. et al.	Iau Symposium Proceedings Series	2017
24	Submillimeter H <sub>2</sub> O maser emission from water fountain nebulae	DANIEL TAFOYA MARTINEZ Vlemmings W.H.T. Pérez-Sánchez A.F.	Iau Symposium Proceedings Series	2017
25	Astrometry of OH/IR Stars Using 1612 MHz Hydroxyl Masers. I. Annual Parallaxes of WX Psc and OH138.0+7.2	DANIEL TAFOYA MARTINEZ Orosz, G. Imai, H. et al.	ASTRONOMICAL JOURNAL	2017
26	LIMITS TO THE MAGNETIC FIELD IN THE PLANETARY NEBULA NGC 246 FROM FARADAY ROTATION	LUIS FELIPE DE JESUS RODRIGUEZ JORGE CARLOS EUGENIO CARRASCO GONZALEZ JORGE DANIEL CARLOS CANTO ILLA et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA	2017
27	Deep into the Water Fountains The case of IRAS 18043-2116	DANIEL TAFOYA MARTINEZ LUIS FELIPE DE JESUS RODRIGUEZ JORGE Pérez-Sánchez, A.F. et al.	ASTRONOMY & ASTROPHYSICS	2017
28	First detection of methanol towards a post-AGB object, HD 101584	DANIEL TAFOYA MARTINEZ Olofsson, H. Vlemmings, W.H.T. et al.	ASTRONOMY & ASTROPHYSICS	2017
29	Magnetically aligned dust and SiO maser polarisation in the envelope of the red supergiant VY Canis Majoris	DANIEL TAFOYA MARTINEZ Vlemmings, W.H.T. Khouri, T. et al.	ASTRONOMY & ASTROPHYSICS	2017
30	(Sub)millimeter emission lines of molecules in born-Again stars?	DANIEL TAFOYA MARTINEZ Toalá, J.A. Vlemmings, W.H.T. et al.	ASTRONOMY & ASTROPHYSICS	2017
31	The shock-heated atmosphere of an asymptotic giant branch star resolved by ALMA	DANIEL TAFOYA MARTINEZ Vlemmings W. Khouri T. et al.	Nature Astronomy	2017



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32	X-ray emission from the Wolf-Rayet bubble NGC 6888 - II. XMM-Newton EPIC observations	SARAH JANE ARTHUR DANIEL TAFOYA MARTINEZ Toala, J. A. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
33	Kinematics of the outflow from the young star DG Tau B: Rotation in the vicinities of an optical jet	LUIS ALBERTO ZAPATA GONZALEZ ESTELA SUSANA LIZANO SOBERON LUIS FELIPE DE JESUS RODRIGUEZ JORGE et al.	ASTROPHYSICAL JOURNAL	2015
34	Origin and kinematics of the eruptive flow from XZ Tau revealed by ALMA	LUIS ALBERTO ZAPATA GONZALEZ ROBERTO JOSE GALVAN MADRID CARLOS EUGENIO CARRASCO GONZALEZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2015
35	Submillimeter H <sub>2</sub> O masers in water-fountain nebulae	DANIEL TAFOYA MARTINEZ Franco-Hernandez, R. Vlemmings, W. H. T. et al.	ASTRONOMY & ASTROPHYSICS	2014
36	H <sub>2</sub> O maser emission associated with the planetary nebula IRAS 16333-4807	DANIEL TAFOYA MARTINEZ Uscanga, L. Gomez, J. F. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
37	From the ashes: JVLA observations of water fountain nebula candidates show the rebirth of IRAS 18455+0448	DANIEL TAFOYA MARTINEZ Vlemmings, W. H. T. Amiri, N. et al.	ASTRONOMY & ASTROPHYSICS	2014
38	A synchrotron jet from a post-asymptotic giant branch star	DANIEL TAFOYA MARTINEZ Pérez-Sánchez A.F. Vlemmings W.H.T. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2013
39	GASKAP-The Galactic ASKAP Survey	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ Dickey, John M. et al.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA	2013
40	VLBI astrometry of the semiregular variable RX Bootis	DANIEL TAFOYA MARTINEZ Kamezaki T. Nakagawa A. et al.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	2012
41	A highly collimated water maser bipolar outflow in the Cepheus A HW3d massive young stellar object	DANIEL TAFOYA MARTINEZ Chibueze J.O. Imai H. et al.	ASTROPHYSICAL JOURNAL	2012



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42	Maser emission toward the infrared dark cloud G359.94+0.17 seen in silhouette against the Galactic center	DANIEL TAFOYA MARTINEZ Deguchi S. Shino N.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	2012
43	A highly-collimated water maser bipolar outflow in the cepheus a HW3D massive protostellar object	DANIEL TAFOYA MARTINEZ Chibueze J.O. Imai H. et al.	Iau Symposium Proceedings Series	2012
44	Imaging the water masers toward the H2O-PN IRAS 18061-2505	DANIEL TAFOYA MARTINEZ Gólmez Y. Suárez O. et al.	Iau Symposium Proceedings Series	2012
45	Multipolar planetary nebulae: Not as geometrically diversified as thought	DANIEL TAFOYA MARTINEZ Chong S.-N. Kwok S. et al.	ASTROPHYSICAL JOURNAL	2012
46	Trigonometric parallax measurements of post-AGB stars with VERA	DANIEL TAFOYA MARTINEZ Imai H.	Iau Symposium Proceedings Series	2011
47	Multipolar planetary nebulae: Not as geometrically diversified as thought	DANIEL TAFOYA MARTINEZ Chong S.-N. Kwok S. et al.	Iau Symposium Proceedings Series	2011
48	Annual parallax distance and kinematical property of H2O masers	DANIEL TAFOYA MARTINEZ Imai H. Honma M. et al.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	2011
49	H 2O maser motions and the distance of the star-forming region G192.16-3.84	DANIEL TAFOYA MARTINEZ Shiozaki S. Imai H. et al.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	2011
50	Measurement of the Distance and Proper Motions of the H2O Masers in the Young Planetary Nebula K 3-35	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS Imai, Hiroshi et al.	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	2011
51	What is shaping the planetary nebula K3-35?	DANIEL TAFOYA MARTINEZ PABLO FABIAN VELAZQUEZ BRITO Gómez Y. et al.	Iau Symposium Proceedings Series	2010



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52	ASKAP and MeerKAT surveys of the magellanic clouds	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ Van Loon J.Th. et al.	NINTH ANNUAL CONFERENCE ON LARGE HADRON COLLIDER PHYSICS, LHCP2021	2010
53	A COLLIMATED, IONIZED BIPOLAR STRUCTURE AND A HIGH DENSITY TORUS IN THE PLANETARY NEBULA IRAS 17347-3139	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS Patel, N. A. et al.	ASTROPHYSICAL JOURNAL	2009
54	The magnetic field toward the young planetary nebula K 3-35	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ R. Franco Hernandez et al.	ASTROPHYSICAL JOURNAL	2009
55	HCO+ emission possibly related with a shielding mechanism that protects water molecules in the young PN K 3-35	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ LAURENT RAYMOND LOINARD et al.	Iau Symposium Proceedings Series	2008
56	Maser emission towards the young planetary nebula IRAS 17347-3139	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS Gómez J.F. et al.	Iau Symposium Proceedings Series	2007
57	Detection of HCO+ emission toward the planetary nebula K3-35	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS LAURENT RAYMOND LOINARD et al.	ASTRONOMICAL JOURNAL	2007
58	Changes in the radio appearance of MWC 349A	LUIS FELIPE DE JESUS RODRIGUEZ JORGE YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ	ASTROPHYSICAL JOURNAL	2007
59	OH maser emission toward the young planetary nebula K3-35	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ Anglada G. et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2006
60	Detection of HCO+ emission toward the PN K 3-35	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS LAURENT RAYMOND LOINARD et al.	Iau Symposium Proceedings Series	2006
61	OH maser emission toward the young planetary nebula K3-35	YOLANDA GOMEZ CASTELLANOS DANIEL TAFOYA MARTINEZ Anglada G. et al.	Iau Symposium Proceedings Series	2006
62	Imaging MWC 349 from 7 millimeters to 90 centimeters	DANIEL TAFOYA MARTINEZ YOLANDA GOMEZ CASTELLANOS LUIS FELIPE DE JESUS RODRIGUEZ JORGE	ASTROPHYSICAL JOURNAL	2004



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63	Close-in nosecone configuration and blast damage in point backlight x-ray radiography	DANIEL TAFOYA MARTINEZ Fincke J.R. Workman J.B. et al.	REVIEW OF SCIENTIFIC INSTRUMENTS	2004
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**DANIEL TAFOYA MARTINEZ**

**LIBROS Y CAPITULOS CON ISBN**

**No se encuentran registros en la base de datos de Humanindex asociados a:**

**DANIEL TAFOYA MARTINEZ**



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**DANIEL TAFOYA MARTINEZ**

**PARTICIPACIÓN EN PROYECTOS**

**No se encuentran registros en la base de datos de SISEPRO asociados a:**

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**DANIEL TAFOYA MARTINEZ**

**PARTICIPACIÓN EN TESIS**

**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

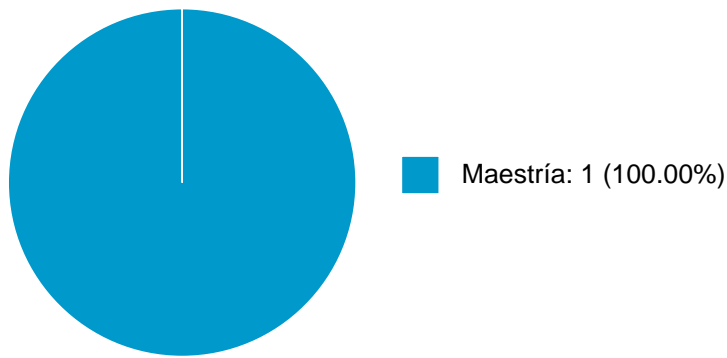
**DANIEL TAFOYA MARTINEZ**



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**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	ASTROFISICA ESTELAR	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	3	2014-2



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**DANIEL TAFOYA MARTINEZ**

**TUTORIAS EN POSGRADO**

**No se encuentran registros en la base de datos de SIIPosgrado asociados a:**

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**DANIEL TAFOYA MARTINEZ**

**PATENTES**

**No se encuentran registros en la base de datos de patentes asociados a:**

**DANIEL TAFOYA MARTINEZ**



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## FUENTES DE INFORMACIÓN

### Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2023
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

### Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2024
9	Documentos Indexados	Thomson Reuters	WoS	2008-2024
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2024
11	Patentes	IMPI	SIGA	2008-2024