



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



III-SIIA GLORIA SUZANNE KOENIGSBERGER HOROWITZ

Datos Generales

Nombre: GLORIA SUZANNE KOENIGSBERGER HOROWITZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 43 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Ciencias Físicas
Desde 01-05-2014

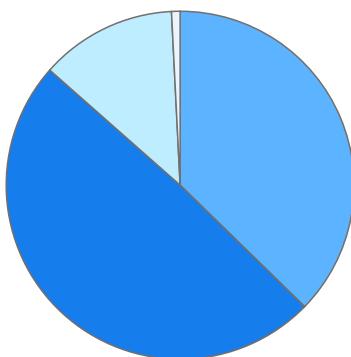
Estímulos, programas, premios y reconocimientos

SNI Emérito 2022 - 2023
SNI III - 2020
PRIDE D - 2022



DOCUMENTOS EN REVISTAS

Histórico de Documentos



- █ WoS: 47 (37.30%)
- █ Scopus : 62 (49.21%)
- █ WoS y Scopus: 16 (12.70%)
- █ Otras fuentes: 1 (0.79%)

| # | Título | Autores | Revista | Año |
|---|--|--|--|------|
| 1 | Investigating the Chemically Homogeneous Evolution Channel and Its Role in the Formation of the Enigmatic Binary Black Hole Progenitor Candidate HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Sharpe K. van Son L.A.C. et al. | ASTROPHYSICAL JOURNAL | 2024 |
| 2 | Transitory Tidal Heating and Its Impact on Cluster Isochrones | SARAH JANE ARTHUR GLORIA SUZANNE KOENIGSBERGER HOROWITZ Brady K. et al. | ASTROPHYSICAL JOURNAL | 2024 |
| 3 | Eccentric binaries: Periastron events and tidal heating | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Estrella-Trujillo D. | ASTRONOMY & ASTROPHYSICS | 2024 |
| 4 | Structure and evolution of a tidally heated star | SARAH JANE ARTHUR GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ et al. | ASTRONOMY & ASTROPHYSICS | 2023 |
| 5 | OBSERVATIONAL CONSTRAINTS ON THE HD 5980 WIND-WIND COLLISION | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Morrell N. John Hillier D. et al. | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA | 2022 |



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|----|--|--|---|------|
| 6 | Multiple variability time-scales of the early nitrogen-rich Wolf-Rayet star WR 7 | JESUS ALBERTO TOALA SANZ GLORIA SUZANNE KOENIGSBERGER HOROWITZ D. M. Bowman et al. | MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY | 2022 |
| 7 | Induced differential rotation and mixing in asynchronous binary stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Langer N. | ASTRONOMY & ASTROPHYSICS | 2021 |
| 8 | Asymmetrical nebula of the M33 variable GR290 (WR/LBV) | GLORIA SUZANNE KOENIGSBERGER HOROWITZ V Maryeva V Karpov et al. | ASTRONOMY & ASTROPHYSICS | 2020 |
| 9 | The nature of the companion in the Wolf-Rayet system EZ Canis Majoris | GLORIA SUZANNE KOENIGSBERGER HOROWITZ W. Schmutz | ASTRONOMY & ASTROPHYSICS | 2020 |
| 10 | Internal circulation in tidally locked massive binary stars: Consequences for double black hole formation | GLORIA SUZANNE KOENIGSBERGER HOROWITZ B. Hastings N. Langer | ASTRONOMY & ASTROPHYSICS | 2020 |
| 11 | Long uninterrupted photometric observations of the Wolf-Rayet star EZ CMa by the Toronto BRITE satellite reveal a very fast apsidal motion | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Schmutz W. | ASTRONOMY & ASTROPHYSICS | 2019 |
| 12 | The enigmatic binary system HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ D. John Hillier Yael Naze et al. | MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY | 2019 |
| 13 | The History Goes On: Century Long Study of Romano's Star dagger | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Olga Maryeva Roberto F. Viotti et al. | Galaxies | 2019 |
| 14 | A Changing Wind Collision | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Yael Naze Julian M. Pittard et al. | ASTROPHYSICAL JOURNAL | 2018 |
| 15 | BRITE-Constellation reveals evidence for pulsations in the enigmatic binary ? Carinae | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Noel D. Richardson Herbert Pablo et al. | MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY | 2018 |
| 16 | Wind and nebula of the M 33 variable GR 290 (WR/LBV) | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Olga Maryeva Oleg Egorov et al. | ASTRONOMY & ASTROPHYSICS | 2018 |
| 17 | Does the Wolf-Rayet binary CQ Cephei undergo sporadic mass transfer events? | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Schmutz, W. Skinner, S.L. | ASTRONOMY & ASTROPHYSICS | 2017 |



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|----|--|--|---|------|
| 18 | Tidal shear and the V1309 Sco merger | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA | 2016 |
| 19 | Alpha Virginis: line-profile variations and orbital elements | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Harrington D. et al. | ASTRONOMY & ASTROPHYSICS | 2016 |
| 20 | Planet heating prevents inward migration of planetary cores | FREDERIC SYLVAIN MASSET GLORIA SUZANNE KOENIGSBERGER HOROWITZ BenitezLlambay, Pablo et al. | Nature | 2015 |
| 21 | Observations of the early stages in the formation of an LBV shell | RICARDO FRANCISCO GONZALEZ DOMINGUEZ GLORIA SUZANNE KOENIGSBERGER HOROWITZ | ASTRONOMY & ASTROPHYSICS | 2014 |
| 22 | The HD 5980 multiple system: Masses and evolutionary status | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Morrell, Nidia Hillier, D. John et al. | ASTRONOMICAL JOURNAL | 2014 |
| 23 | Ram-pressure balance surfaces for an outwardly accelerating stellar wind bow shock | ALEJANDRO CRISTIAN RAGA RASMUSSEN JORGE DANIEL CARLOS CANTO ILLA GLORIA SUZANNE KOENIGSBERGER HOROWITZ et al. | MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY | 2014 |
| 24 | Leonid Georgiev 1961-2012 OBITUARY | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA | 2013 |
| 25 | Spectral modelling of massive binary systems | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Palate, M. et al. | ASTRONOMY & ASTROPHYSICS | 2013 |
| 26 | Spectral modelling of the α Virginis (Spica) binary system | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Palate, M. et al. | ASTRONOMY & ASTROPHYSICS | 2013 |
| 27 | Tidal effects on the radial velocity curve of HD 77581 (Vela X-1) | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Harrington, D. M. | ASTRONOMY & ASTROPHYSICS | 2012 |
| 28 | Eccentric binaries Tidal flows and periastron events | EDMUNDO MORENO DIAZ GLORIA SUZANNE KOENIGSBERGER HOROWITZ Harrington, D. M. | ASTRONOMY & ASTROPHYSICS | 2011 |
| 29 | Line profile variability and tidal flows in eccentric binaries | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Harrington, David M. | Iau Symposium Proceedings Series | 2011 |



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|----|--|--|---|------|
| 30 | WIND STRUCTURE AND LUMINOSITY VARIATIONS IN THE WOLF-RAYET/LUMINOUS BLUE VARIABLE HD 5980 | LEONID NIKITOV GUEORGUIEV DIMITROVA GLORIA SUZANNE KOENIGSBERGER HOROWITZ Hillier, D. John et al. | ASTRONOMICAL JOURNAL | 2011 |
| 31 | Analysis of tidal forces in asynchronous binary systems: X-ray effects | JULIO ALBERTO JUAREZ ISLAS GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ et al. | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS | 2011 |
| 32 | A similar to 40 YEAR VARIABILITY CYCLE IN THE LUMINOUS BLUE VARIABLE/WOLF-RAYET BINARY SYSTEM HD 5980? | GLORIA SUZANNE KOENIGSBERGER HOROWITZ LEONID NIKITOV GUEORGUIEV DIMITROVA Hillier, D. John et al. | ASTRONOMICAL JOURNAL | 2010 |
| 33 | LINE-PROFILE VARIABILITY FROM TIDAL FLOWS IN ALPHA VIRGINIS (SPICA) | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Harrington, David et al. | ASTROPHYSICAL JOURNAL | 2009 |
| 34 | Surface velocity fields from tidal interactions | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Harrington D. | AIP Conference Proceedings | 2009 |
| 35 | The extraordinary LBV/WR system HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS | 2008 |
| 36 | Conference summary | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Massey P. | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS | 2008 |
| 37 | The Wolf-Rayet stars HD 4004 and HD 50896: Two of a kind | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Flores A. Cardona O. et al. | ASTRONOMICAL JOURNAL | 2007 |
| 38 | Tides in asynchronous binary systems | EDMUNDO MORENO DIAZ GLORIA SUZANNE KOENIGSBERGER HOROWITZ Toledano O. et al. | ASTRONOMY & ASTROPHYSICS | 2007 |
| 39 | First detection of phase-dependent colliding wind X-ray emission outside the Milky Way | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Nazé Y. Corcoran M.F. et al. | ASTROPHYSICAL JOURNAL | 2007 |



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| 40 | Fuse observations of HD 5980: The wind structure of the eruptor | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Fullerton A.W. Massa D. et al. | ASTRONOMICAL JOURNAL | 2006 |
| 41 | The X-ray binary 2S0114+650=LSI+65 010 A slow pulsar or tidally-induced pulsations? | GLORIA SUZANNE KOENIGSBERGER HOROWITZ MICHAEL GERARD RICHER Georgiev L. et al. | ASTRONOMY & ASTROPHYSICS | 2006 |
| 42 | Line profile variability from tidal interactions in binary systems | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Toledoano O. EDMUNDO MORENO DIAZ | ASTRONOMY & ASTROPHYSICS | 2005 |
| 43 | Working group on massive stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Leitherer C. Crowther P. et al. | Iau Symposium Proceedings Series | 2005 |
| 44 | Line profile variations in WR+O binary systems I. The code and basic predictions | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Georgiev L.N. | ASTRONOMY & ASTROPHYSICS | 2004 |
| 45 | A supernova remnant collision with a stellar wind | PABLO FABIAN VELAZQUEZ BRITO GLORIA SUZANNE KOENIGSBERGER HOROWITZ ALEJANDRO CRISTIAN RAGA RASMUSSEN | ASTROPHYSICAL JOURNAL | 2003 |
| 46 | The wind-wind collision region of the Wolf-Rayet binary V444 Cygni: How much optical line emission does it produce? | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Flores A. Auer L.H. et al. | ASTROPHYSICAL JOURNAL | 2001 |
| 47 | Hubble space telescope STIS observations of the Wolf-Rayet star HD 5980 in the small magellanic cloud. II. The interstellar medium components | GLORIA SUZANNE KOENIGSBERGER HOROWITZ MANUEL PEIMBERT SIERRA Georgiev L. et al. | ASTRONOMICAL JOURNAL | 2001 |
| 48 | Coordinated monitoring of the eccentric O-star binary Iota Orionis: Optical spectroscopy and photometry | RAFAEL CARLOS PATRICIO COSTERO Y GRACIA JUAN MANUEL ECHEVARRIA ROMAN GLORIA SUZANNE KOENIGSBERGER HOROWITZ et al. | MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY | 2000 |
| 49 | Hubble space telescope observations of the luminous blue variable/W-R eclipsing binary system HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Georgiev L. Barbá R. et al. | ASTROPHYSICAL JOURNAL | 2000 |
| 50 | A 2.3 day periodic variability in the apparently single Wolf-Rayet star WR 134: Collapsed companion or rotational modulation? | GLORIA SUZANNE KOENIGSBERGER HOROWITZ GAGIK TOVMASIAN Morel T. et al. | ASTROPHYSICAL JOURNAL | 1999 |
| 51 | Long-term coherent variations in the WR system EZ Canis Majoris: The binary scenario revisited | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Georgiev L.N. Ivanov M.M. et al. | ASTRONOMY & ASTROPHYSICS | 1999 |



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|----|---|---|---|------|
| 52 | The Local Group dwarf irregular galaxy IC 1613: I. The young stellar content | MARGARITA EUGENIA DEL SOCORRO ROSADO SOLIS GLORIA SUZANNE KOENIGSBERGER HOROWITZ Georgiev L. et al. | ASTRON ASTROPHYS SUP | 1999 |
| 53 | Cyclical spectral and photometric variations of the apparently single Wolf-Rayet star WR 134 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ GAGIK TOVMASIAN Morel T. et al. | ASTROPHYSICS AND SPACE SCIENCE | 1998 |
| 54 | Wind velocity variations in the luminous blue variable-type erupting star of the Wolf-Rayet binary HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Auer L.H. Georgiev L. et al. | ASTROPHYSICAL JOURNAL | 1998 |
| 55 | Mass-loss rate and HE/H abundance of the erupting component in the small magellanic cloud system HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ SANDRA ANGELICA AYALA GOMEZ Schmutz W. et al. | ASTROPHYSICAL JOURNAL | 1998 |
| 56 | Coupled line-profile and continuum variations in EZ canis majoris: Implications for the driving mechanism of global wind structures in wolf-rayet winds | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Morel T. St-Louis N. et al. | ASTROPHYSICAL JOURNAL | 1998 |
| 57 | Mexican infrared-optical new technology telescope TIM project | LUIS SALAS CASALES IRENE ANTONIA CRUZ GONZALEZ ESPINOSA ESTEBAN ANTOLIN LUNA AGUILAR et al. | Proceedings of SPIE | 1998 |
| 58 | The erupting wolf-rayet binary HD 5980 in the small magellanic cloud: Spectral transition from B1.5Ia+ to WN6 and the accompanying light curve | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Shore S. Guinan E. et al. | REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS | 1996 |
| 59 | The iue mega campaign: Wind variability and rotation in early-type stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Massa D. Fullerton A.W. et al. | ASTROPHYSICAL JOURNAL | 1995 |
| 60 | Ultraviolet observations of the eruption in the small magellanic cloud wolf-rayet system hd 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Guinan E. Auer L. et al. | ASTROPHYSICAL JOURNAL | 1995 |
| 61 | The Wolf-Rayet binary V444 Cygni under the spectroscopic microscope. I. Improved characteristics of the components and their interaction seen in He I | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Marchenko S.V. Moffat A.F.J. | ASTROPHYSICAL JOURNAL | 1994 |
| 62 | Remarkable long-term changes in the small magellanic cloud Wolf-Rayet system HD 5980 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Moffat A.F.J. St-Louis N. et al. | ASTROPHYSICAL JOURNAL | 1994 |



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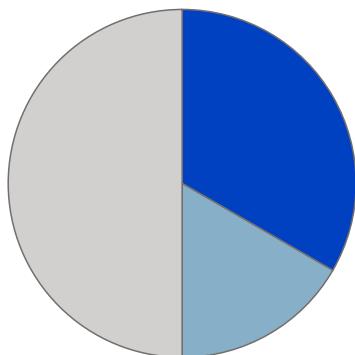
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| 63 | Line profile variations from atmospheric eclipses: Constraints on the wind structure in Wolf-Rayet stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Auer L.H. | ASTROPHYSICAL JOURNAL |
| 64 | The "Baldwin Effect" in Wolf-Rayet stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Morris P. Conti P.S. et al. | ASTROPHYSICAL JOURNAL |
| 65 | Ultraviolet variability of the massive W-R binary system HDE 311884 = WR 47 | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Moffat A.F.J. Auer L.H. | ASTROPHYSICAL JOURNAL |



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Obras con registro ISBN



- █ Libros completos: 2 (33.33%)
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- █ Otros: 3 (50.00%)

| # | Título | Autores | Alcance | Año | ISBN |
|---|---|--|-------------------------|------|---------------|
| 1 | Astrónomos trabajando | GLORIA SUZANNE KOENIGSBERGER HOROWITZ LUIS FELIPE DE JESUS RODRIGUEZ JORGE ALEJANDRO FARAH SIMON et al. | Libro Completo | 2020 | 9786073037334 |
| 2 | Observing the Massive Binary eta Carinae with BRITE | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Noel D. Richardson Herbert Pablo et al. | Proceedings Paper | 2018 | 9788395043017 |
| 3 | An Echelle Catalog of OB Stars | GLORIA SUZANNE KOENIGSBERGER HOROWITZ Arias, L. Arrieta, A. et al. | Proceedings Paper | 2017 | 9781583819005 |
| 4 | El primer nodo de Internet en México | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Capítulo de un Libro | 2016 | 9786077241638 |



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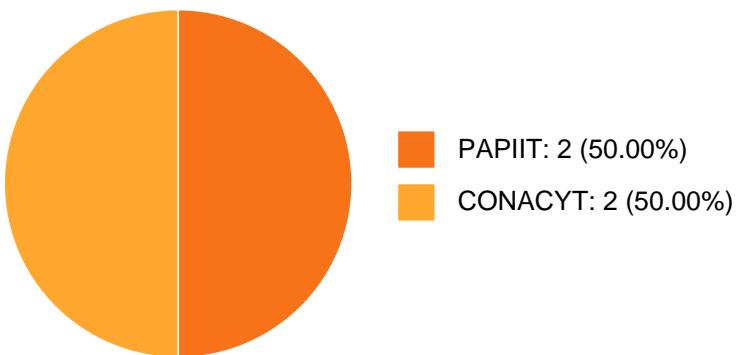
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|---|---|---|-------------------|------|---------------|
| 5 | Asynchronous Binaries, Energy Dissipation and Turbulent Viscosity | GLORIA SUZANNE KOENIGSBERGER HOROWITZ EDMUNDO MORENO DIAZ Ines Brott et al. | Proceedings Paper | 2015 | 9781583818770 |
| 6 | Los inicios de internet en Mexico | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Libro Completo | 2014 | 9786070256172 |



PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



| # | Nombre | Participantes | Fuente | Fecha inicio | Fecha fin |
|---|---|---------------------------------------|------------------|--------------|------------|
| 1 | Interacción por Fuerzas de Marea y el Problema de la Viscosidad Turbulenta. | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Recursos CONACYT | 14-10-2016 | 14-10-2021 |
| 2 | Frontiers of the physics of massive stars: from the main sequence to LIGO | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Recursos CONACYT | 08-05-2018 | 30-11-2018 |
| 3 | Estrellas binarias en interacción y el extraordinario caso de HD5980. | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Recursos PAPIIT | 01-01-2019 | 31-12-2021 |
| 4 | Estudio de la interacción en estrellas binarias de baja masa | GLORIA SUZANNE KOENIGSBERGER HOROWITZ | Recursos PAPIIT | 01-01-2023 | 31-12-2025 |



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PARTICIPACIÓN EN TESIS

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

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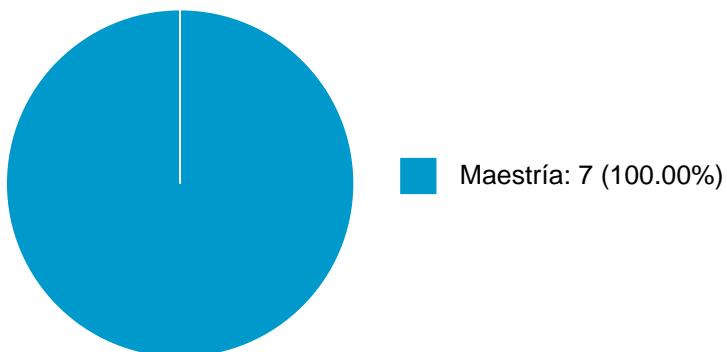


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DOCENCIA IMPARTIDA

Histórico de docencia



| # | Nivel titulación | Asignatura | Entidad | Alumnos | Semestre |
|---|------------------|--------------------------------|-------------------------------|---------|----------|
| 1 | Maestría | ASTROFÍSICA ESTELAR | Instituto de Astronomía | 6 | 2022-1 |
| 2 | Maestría | ASTROFÍSICA ESTELAR | Instituto de Astronomía | 6 | 2021-1 |
| 3 | Maestría | ASTROFÍSICA ESTELAR | Instituto de Astronomía | 9 | 2013-2 |
| 4 | Maestría | TEMAS SELECTOS | Instituto de Ciencias Físicas | 1 | 2012-2 |
| 5 | Maestría | SEMINARIO DE INVESTIGACION II | Instituto de Ciencias Físicas | 1 | 2012-2 |
| 6 | Maestría | SEMINARIO DE INVESTIGACION I | Instituto de Ciencias Físicas | 1 | 2012-1 |
| 7 | Maestría | ESTRUCTURA Y EVOLUCION ESTELAR | Instituto de Astronomía | 4 | 2011-2 |



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TUTORIAS EN POSGRADO

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

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PATENTES

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

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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 |