

# CURRÍCULUM VITAE ACADÉMICO

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### ■ INFORMACIÓN PERSONAL

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### ■ ARTÍCULOS CIENTÍFICOS (23 publicaciones)

#### 1. TRACING THE ASSEMBLY HISTORIES OF GALAXY CLUSTERS IN THE NEARBY UNIVERSE

Caretta C.A.

*Revista Mexicana De Astronomía Y Astrofísica* | (2023) | DOI: 10.22201/IA.01851101P.2023.59.02.13

#### 2. Characterizations and Use of Recycled Optical Components for Polarizing Phase-Shifting Interferometry Applications

*Photonics* | (2022) | DOI: 10.3390/photonics9030125

#### 3. Measurement in-plane deformations in electronic speckle pattern interferometry using phase-shifting modulated by polarization

*Optics Communications* | (2021) | DOI: 10.1016/j.optcom.2021.127245

#### 4. Development of a dynamic interferometer using recycled components based on polarization phase shifting techniques

*Optics and Laser Technology* | (2020) | DOI: 10.1016/j.optlastec.2019.105915

#### 5. Parallel phase shifting radial shear interferometry with complex fringes and unknown phase shift

*Applied Optics* | (2020) | DOI: 10.1364/AO.385632

#### 6. Development of a phase shifting interferometer using recycled components

Isla Isla J.M.

*Proceedings of SPIE the International Society for Optical Engineering* | (2020) | DOI: 10.1117/12.2568890

#### 7. Correction to: Dynamic Mach–Zehnder interferometer based on a Michelson configuration and a cube beam splitter system (Optical Review, (2019), 26, 2, (231–240), 10.1007/s10043-019-00493-8)

*Optical Review* | (2019) | DOI: 10.1007/s10043-019-00519-1

#### 8. Dynamic Mach–Zehnder interferometer based on a Michelson configuration and a cube beam splitter system

*Optical Review* | (2019) | DOI: 10.1007/s10043-019-00493-8

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## 9. Analysis of mean thickness of a phase objects using one-shot phase shifting interferometry

*Imaging and Applied Optics 2018 (3D, AO, AIO, COSI, DH, IS, LACSEA, LS&C;, MATH, pcAOP) | (2018) | DOI: 10.1364/3d.2018.jm4a.18*

## 10. Interferometric measurements of phase objects by using a simultaneous polarizing phase shifting Mach-Zehnder interferometer

*Proceedings of SPIE - The International Society for Optical Engineering | (2018) | DOI: 10.1117/12.2322762*

## 11. Parallel phase-shifting interferometer with four interferograms using a modified Michelson configuration

*Optics InfoBase Conference Papers | (2018) | DOI: 10.1364/3D.2018.JM4A.36*

## 12. Statistical assessment of the relation between the inferred morphological type and the emission-line activity type of a large sample of galaxies

*Proceedings of the International Astronomical Union | (2015) | DOI: 10.1017/S1743921314010734*

## 13. A mid infrared study of low-luminosity AGNs with wise

*Revista Mexicana de Astronomía y Astrofísica | (2014)*

## 14. Narrow-Line AGNs: confirming the relationship between metallicity and accretion rate

*Proceedings of Narrow-Line Seyfert 1 Galaxies and their place in the Universe — PoS(NLS1) | (2011) | DOI: 10.22323/1.126.0065*

## 15. Low luminosity AGN candidates in SDSS

*Revista Mexicana de Astronomía y Astrofísica: Serie de Conferencias | (2011)*

## 16. Narrow-line AGNs: Confirming the relationship between metallicity and accretion rate

*Proceedings of Science | (2011)*

## 17. Optical and OH megamaser observations of the starburst galaxy IIIZw 096

*Monthly Notices of the Royal Astronomical Society | (2011) | DOI: 10.1111/j.1365-2966.2011.19124.x*

## 18. Relation between activity, morphology and environment for a large sample of SDSS galaxies

*Revista Mexicana de Astronomía y Astrofísica: Serie de Conferencias | (2011)*

## 19. The detection of extreme low-luminosity AGNs

*Revista Mexicana de Astronomía y Astrofísica: Serie de Conferencias | (2011)*

## 20. The nature and origin of narrow line agn activity in a sample of isolated sdss galaxies

*Revista Mexicana de Astronomía y Astrofísica | (2011)*

## 21. What makes a galaxy radio-loud?

*Proceedings of the International Astronomical Union | (2011) | DOI: 10.1017/S174392131200909X*

## 22. The substructure in the cluster Abell 85

*Proceedings of the International Astronomical Union | (2006) | DOI: 10.1017/S1743921306005989*

## 23. The H I Parkes Zone of Avoidance Survey: The northern extension

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*Astronomical Journal* | (2005) | DOI: 10.1086/426320