

Curriculum Vitae

Education:

CUNY Graduate Center	New York	Physics	Ph.D., 2022 (Expected)
The University of Hong Kong	Hong Kong	Astrophysics	M. Phil, 2016
Nanjing University	Nanjing	Astronomy	B.Sc, 2014

Appointments:

AstroCom NYC	Workshop Coordinator	Jun 2019 - Current
CUNY York College	Adjunct Lecturer	Sep 2018 - Current
Hong Kong University of Science and Technology	Instructional Assistant	Sep 2016 - May 2017
National Astronomical Observatories, Chinese Academy of Science	Research Assistant	July 2013

Publications:

Song, Y., Paglione, T., Tan, J., & Lee-Georgescu, C. 'A Large Population of Sub-Threshold Gamma-Ray Pulsars' 2021, AAS Journals, in review

Pinto, V., Paglione, T., Song, Y., Zurek, D., & Tan, J. 'Gamma-Rays from Globular Clusters' 2021, in prep

Song, Y., & Paglione, T. '[A Stacking Search for Gamma-Ray Emission from Nearby Flare Stars and the Periodic Source TVLM 513-46546](#)' 2020, ApJ, 900, 185S

Song, Y., Takata, J., & Cheng, K. S. '[Theoretical Study of Gamma-Ray Pulsar](#)' 2016 JASS, 33(2), 69-73

Li, H., Li, D., Qian, L., Duo, X., Goldsmith, P. F., Noriega-Crespo, A., Wu, Y., Song, Y., & Nan. R. '[Outflows and Bubbles in Taurus: Star-formation Feedback Sufficient to Maintain Turbulence](#)' 2015 ApJS, 219 20L

Conferences:

Song, Y., Paglione, T., Tan, J., & Lee-Georgescu, C. 'A Large Population of Sub-Threshold Gamma-Ray Pulsars', 238th Meeting of the American Astronomical Society

Pinto, V., Paglione, T., Song, Y., Zurek, D., & Tan, J. '[Gamma-Rays from Globular Clusters](#)', 237th Meeting of the American Astronomical Society, 2021AAS, 23713002P

Song, Y., Paglione, T. '[Tentative Gamma-Ray Detection of Fast Rotating TVLM 513-46546](#)', 235th Meeting of the American Astronomical Society, 2020AAS, 23528804S

Lomuscio, S., Garcia, M., Song, Y., Paglione, T. '[Gamma-rays from Jupiter](#)', 235th Meeting of the American Astronomical Society, 2020AAS, 23520903L

Garcia, M., Paglione, T., Song, Y., Lomuscio, S. '[Correlating White Light and Gamma-Ray emission in Solar Flares](#)', 235th Meeting of the American Astronomical Society, 2020AAS, 23520901G

Song, Y., Takata, J., & Cheng, K. S. 'Theoretical Study of Gamma-ray Pulsars', 6th Fermi Asian Network, 2016

Synergistic Activities:

AAS SGMA Committee: I serve as a committee member of the Committee for Sexual-Orientation & Gender Minorities in Astronomy ([SGMA](#)) at the American Astronomical Society (AAS) starting June of 2021.

Astrophysics Seminar Committee: I serve as a member for the seminar committee for the Department of Astrophysics at the American Museum of Natural History from fall 2019.

Open Pedagogy Teaching Methods: After participating in a CUNY faculty development workshop, I developed a zero-cost open educational resource syllabus for the introductory astronomy laboratory (ASTR141) I teach at York College. It is also designed to fit the pandemic-era online learning.

Peer Mentoring: I organize weekly skill development workshops for undergraduate researchers at AstroCom NYC. I also serve as a graduate student peer mentor for AstroCom NYC scholars.

Volunteer: I volunteered for the 28th General Assembly of the International Astronomical Union in Beijing, August 2012.

Chair: I was the Chair of the Astronomical Association of Nanjing University during the academic year 2011-2012.

Grants & Awards:

Early Research Initiative Pre-Dissertation Science Research Award	2021
Doctoral Student Research Grant Recipient, Round 16 & 14	2021 & 2019
CUNY Graduate Center Award for Excellence in Teaching	Aug 2020
Open Pedagogy Fellow, CUNY Graduate Center	Aug 2020
FAMOUS Travel Grant, American Astronomical Society	Jan 2020

Thesis Advisor:

Prof. Timothy Paglione	CUNY Graduate Center, CUNY York College & AMNH
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Collaborators:

Charles Lee-Georgescu	CUNY LaGuardia Community College
Dr. David Zurek	American Museum of Natural History
Dr. Joshua Tan	CUNY LaGuardia Community College & AMNH
Dr. Melodie Kao	Arizona State University
Samantha Lomuscio	University of Virginia
Vanessa Pinto	CUNY Hunter College