

# Dr. Matthew A. Taylor

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## EDUCATION AND ACADEMIC EMPLOYMENT

Dec. 2019	<b>Herzberg Astronomy &amp; Astrophysics Research Centre</b> <i>NRC Postdoctoral Fellow</i>	Victoria, BC
June 2017	<b>Gemini Observatory, Northern Operations Center</b> <i>Gemini Science Fellow</i>	Hilo, Hawai'i
July 2016	<b>Pontificia Universidad Católica de Chile</b> <i>PhD in Astrophysics</i> Distinción Maxima Dissertation: The Global Globular Cluster System of the Nearby Giant Elliptical Galaxy NGC5128 Advisors: Dr. Thomas H. Puzia, Dr. Steffen Mieske	Santiago, Chile
June 2011	<b>University of Victoria</b> <i>Bachelor of Science in Physics and Astronomy</i> Co-operative Education Distinction	Victoria, Canada

## HONOURS, GRANTS, AND AWARDS

2017	<b>Postdoctoral Fellowship Grant (declined)</b> <i>National Research Council of Canada</i>	Canada
2014–2016	<b>Student Fellowship</b> <i>European Southern Observatory</i>	Santiago, Chile
2014–2015	<b>Instructor Becario</b> Senior Doctoral Scholarship <i>Pontificia Universidad Católica de Chile</i>	Santiago, Chile
2013–2014	<b>Ayudante Becario</b> Junior Doctoral Scholarship <i>Pontificia Universidad Católica de Chile</i>	Santiago, Chile
2012–2013	<b>Beca de Excelencia para Alumnos Extranjeros</b> Foreign Doctoral Student Scholarship <i>Pontificia Universidad Católica de Chile</i>	Santiago, Chile
2011	<b>NSERC-USRA National Research Council of Canada Undergraduate Student Research Award</b> <i>University of Victoria</i>	Victoria, Canada
2008, 2009	<b>University of Victoria Physics/Astronomy Co-operative Education Award: Best Co-op Work Term Report</b> <i>University of Victoria</i>	Victoria, Canada

## ACCEPTED PI OBSERVING PROGRAMS

2021	<b>"Do Massive Black Holes Come in Small Packages? A Census of Black Holes in Compact Stellar Systems in the Virgo Cluster"</b> <i>(41.2 hours awarded in JWST Cycle 1 using NIRSpec/IFU)</i>	STScI JWST TAC
2019A	<b>"The Need for Speeds: Using Globular Clusters to Map the Kinematics of NGC5128 and its Surrounding Environment"</b> <i>(6.5 nights awarded in grey/dark time on 2dF/AAOmega/AAT)</i>	Australian National TAC
2018A	<b>"The Need for Speeds: A pilot study to map the velocity field of NGC5128 with ultra-compact dwarf galaxies"</b>	

		Gemini Fast Turnaround
2018A	(7.5 hours awarded in Band 1 on Gemini South/GMOS) <b>"Dancing in the Dark: GMOS-S imaging of a potential dwarf binary pair"</b>	Gemini National and Fast Turnaround TACs
2016A	(6.2 hours awarded in Bands ½ on Gemini South/GMOS) <b>"Redder is Better: The Survey of Centaurus A's Baryonic Structures - Near-Infrared Supplement"</b>	ESO OPC
2015A	(37.5 hours awarded on VISTA/VIRCam) <b>"The Dark Side of NGC 5128's Globular Cluster System"</b>	ESO OPC
2013/2014B	(13.2 hours awarded on VLT/XSHOOTER) <b>"Compact Stellar Systems in Hickson Compact Groups: A MultiBand Photometric Survey for their Origins"</b>	ESO OPC
2014A	(36.5 hours awarded on VLT/HAWK-I+VIMOS) <b>"Nowhere Left to Hide: SCABS, The Survey of Centaurus A's Baryonic Structures"</b>	Chilean National TAC
	(2 nights awarded on Blanco/DECam)	

## OBSERVING AND OBSERVATORY EXPERIENCE

2020--	<b>Colloquia Coordinator</b> Helped organize and host visiting speakers to NRC's Herzberg Astronomy and Astrophysics Research Centre	Hilo, USA
2018--2019	<b>Queue Observing Coordinator</b> Daily organization and development of nightly queue observing plans	Hilo, USA
2018--2019	<b>Seminar Coordinator</b> Helped organize and host visiting speakers to Gemini Northern Operations Center	Hilo, USA
2017--2019	<b>Gemini Fast Turnaround Team Member</b> Support for Gemini Fast Turnaround Observing Mode Program	Hilo, USA
2017--2019	<b>Gemini North Queue Observer</b> Nighttime queue observing duties at Gemini North	Hilo, USA
2017--2019	<b>Member Gemini Near-Infrared Support Team</b> Support for Gemini's Near-Infrared Instrumentation	Hilo, USA
2015	<b>"Near-UV Spectroscopy of Galactic Globular Clusters: Probing the Self-Enrichment Scenario"</b> 2 nights on SOAR/Goodman Spectrograph	Cerro Pachón
2015	<b>"Mapping the Radial Distribution of the Unusual Globular Cluster System of NGC 4365"</b> 0.5 night on Magellan (Baade)/Fourstar Imager	Las Campanas
2014	<b>"SCABS: The Survey of Centaurus A's Baryonic Structures"</b> 2 nights on Blanco/DECam	Cerro Tololo
2013	<b>"Chemodynamical Characterization of Blue Straggler Stars in Galactic Globular Clusters"</b> 3 nights on VLT/FLAMES	Cerro Paranal

## SCIENCE COMMUNITY SERVICE AND OUTREACH

April 2021	<b>HAA Science Jamboree Coordinator</b> Organization of four-day, institute wide science jamboree.	Victoria, Canada
Jan. 2021—	<b>Co-supervision of Undergraduate Intern</b> Co-supervision of undergraduate intern performing imaging data reduction and analysis.	Victoria, Canada
Oct. 2020—	<b>Mentorship of Plaskett Scholar Student</b> Supervision of inaugural Plaskett Scholar pre-undergraduate research student.	Victoria, Canada
Jan. 2021	<b>Royal Astronomical Society of Canada Public Talk</b> "Judge Me By My Size Do You? Tales of the littlest galaxies that could." Virtual public outreach talk	Victoria, Canada

Dec. 2020	<b>University of Victoria Astronomy Open House Public Talk</b> “So You Think You Can Galaxy: The Life and Times of the Littlest Star Systems that Could” Virtual public outreach talk	Victoria, Canada
Sept.-Dec. 2020	<b>Co-supervision of Undergraduate Intern</b> Co-supervision of undergraduate student performing large-scale galaxy modelling.	Victoria, Canada
Mar. 2018—	<b>Maunakea Spectroscopic Explorer International Science Team</b> Contributing member of “Galaxy Formation and evolution” science development team for the Maunakea Spectroscopic Explorer project.	Hilo, USA
Feb. 2017—	<b>Thirty Meter Telescope International Science Development Team (ISDT)</b> Contributing member to the “Milky Way and Nearby Galaxies” ISDT for the Thirty Meter Telescope	
June-Aug. 2019	<b>Mentorship of Akamai Workforce Initiative Intern</b> Supervision of undergraduate Akamai intern carrying out artificial star experiments.	Hilo, USA
June-Oct. 2019	<b>Mentorship of Undergraduate Intern</b> Supervision of undergraduate intern carrying out image reduction and photometry.	Hilo, USA
May 2019	<b>Hilo Astroday</b> Community outreach in the Hawaiian community to inspire children and youth to observatory careers.	Hilo, USA
Mar. 2018,19	<b>Journey Through the Universe</b> Community outreach to share astronomy with Hawaiian children through hands-on classroom activities and “ask-me-anything” sessions.	Hilo, USA
Dec. 2018	<b>TMT Early Career Initiative Workshop</b> Facilitated multi-day instrument design exercise during workshop to develop early-career skills relevant to future operations with the Thirty Meter Telescope.	Pasadena, USA
Dec. 2017	<b>Astronomy on Tap Public Talk</b> “So You Think You Can Galaxy: Tales of the Littlest Star Systems that Could” public outreach talk	Hilo, USA
Nov. 2017	<b>Kona Astroday</b> Community outreach in the Hawaiian community to inspire children and youth to observatory careers.	Kona, USA
Sept. 2015	<b>Python Plotting Tutorial</b> Provided an introductory tutorial to <i>matplotlib</i> to ESO colleagues.	Santiago, Chile
Apr. 2015	<b>Conference Local Organizing Committee</b> <i>Satellites and Streams in Santiago</i> , 13-17 April 2015	Santiago, Chile
2009–2010	<b>University of Victoria Astronomy Open House</b> Assisted in UVic’s Department of Physics and Astronomy weekly open house.	Victoria, Canada

## SELECTED CONFERENCE CONTRIBUTIONS AND INVITED TALKS

(2 invited talks; 6 contributed talks)

Jan. 2019	<b>Dwarf Galaxies, Globular Clusters, and Ultra-compact Dwarfs: Getting to know the outer halo of NGC5128</b> Contributed <b>talk</b> : AAS 233, Seattle, USA, 6-10 January 2019.
Aug. 2018	<b>A Newly Discovered Reservoir of Dwarf Galaxies in the Centaurus A Group</b> Contributed <b>talk</b> : IAU-GA Symposium 344, Vienna, Austria, 20-24 August 2018.
May 2018	<b>Neighbourhood Watch: A survey of baryonic structures in the Local Universe</b> Contributed <b>talk</b> : CASCA 2018, Victoria, Canada, 22-26 May 2018.
Sept. 2016	<b>The Extended Globular Cluster System of NGC5128 and its Nearby Environment</b> Invited <b>talk</b> : University of Victoria, Victoria, Canada, 22 Sept. 2016.
Sept. 2016	<b>The Extended Globular Cluster System of NGC5128 and its Nearby Environment</b> Invited <b>talk</b> : Herzberg Institute of Astrophysics, Victoria, Canada, 13 Sept. 2016.
May 2015	<b>SCABS: The Survey of Centaurus A’s Baryonic Structures</b> Contributed <b>talk</b> : <i>Multiwavelength Dissection of Galaxies</i> , Sydney, Australia, 24–29 May 2015.
Mar. 2015	<b>Observational Evidence for a Dark Side to Centaurus A’s Globular Cluster System</b>

- Contributed **talk**: *Modelling and Observing Dense Stellar Systems 15*, Concepción, Chile, 2–6 Mar. 2015.
- May 2014 **Observational Evidence for a Bifurcation in the Dynamical Mass Scaling Relations of Compact Stellar Systems in NGC 5128**  
Contributed **talk**: *Formation and Evolution of Star Clusters*, Santiago, Chile, 14–16 May 2014

## PUBLICATIONS

### Conference Proceedings

- 2019 **The Gemini Fast Turnaround Program**  
Anderson, M., Chiboucas, K., Geball, T., Salinas, R., Scharwaechter, J., Eckersley, J., Kim, H., **Taylor, M.A.**, Dupuy, T., & Sanmartin, D. 2019, American Astronomical Society Meeting Abstracts #233, 233, #455.03
- 2019 **Dwarf Galaxies, Globular Clusters, and Ultra-compact Dwarfs: Getting to know the outer halo of NGC5128**  
**Taylor, M.A.**, Puzia, T.H., Eigenthaler, P., Ribbeck, K.X., Zhang, H.X., Ordenes-Briceño, Y., & Bovill, M.S. 2019, American Astronomical Society Meeting Abstracts #233, 233, #339.01
- 2019 **A New Reservoir of Dwarf Galaxy Candidates in the Centaurus A Group**  
**Taylor, M.A.**, Eigenthaler, P., Puzia, T.H., Muñoz, R.P., Ribbeck, K.X., Zhang, H.X., Ordenes-Briceño, Y., & Bovill, M.S. 2019, *Dwarfs from the Deep Universe to the Present*, 344, 353. doi:10.1017/S1743921318006634
- 2017 **Faint Dwarf Galaxies in Hickson Compact Group 90**  
Ordenes-Briceño, Y., **Taylor, M.A.**, Puzia, T.H., & Muñoz, R.P., 2017, *Revista Mexicana de Astronomía y Astrofísica Conference Series*, 49, 130
- 2017 **The Extended Globular Cluster System of NGC3923**  
Ahumada, T., Miller, B., Candlish, G., McGaugh, S.S., Mihos, C., Smith, R., Puzia, T.H., & **Taylor, M.A.**, 2017, American Astronomical Society Meeting Abstracts, 229, 343.22
- 2015 **Forming NGC 5128's High M/L Globular Clusters**  
Sauda Bovill, M., Puzia, T.H., Ricotti, M., & **Taylor, M.A.**, 2015, IAU General Assembly, 22, 2258170
- 2015 **SCABS: A Survey of Centaurus A's Baryonic Structures**  
Puzia, T.H., & **Taylor, M.A.**, 2015, IAU General Assembly, 22, 2258151
- 2015 **The Dark Side of SCABS: Predictions for Centaurus A's Baryonic Substructure**  
Sauda Bovill, M., **Taylor, M.A.**, Puzia, T.H., Padilla, N., & Eigenthaler, P., 2015, IAU General Assembly, 22, 2258133
- 2015 **Evidence for a Dark Side to NGC5128's Globular Cluster System**  
Puzia, T.H., & **Taylor, M.A.**, 2015, IAU General Assembly, 22, 2258025
- 2015 **NGC 5128's Globular Cluster System: Is there a dark side?**  
**Taylor, M.A.**, Puzia, T.H., Gomez, M., and Woodley, K.A., 2015, in IAU Symp. 309 *Galaxies in 3D Across the Universe*, ed. Ziegler, B.L., Combes, F., Dannerbauer, H., & Verdugo, M., (Cambridge, UK: Cambridge Univ. Press), pp. 348
- 2011 **The Scattered Disk and Hot Belt, Two Sides of the Same Coin?**  
Kavelaars, J.J., Petit, J.-M., Gladman, B., Jones, R.L., Parker, J., & **Taylor, M.**, 2011, in EPSC-DPS Joint Meeting 2011, pp. 1318

### Peer Reviewed Journal Articles

(Five first-author papers with 103 citations; sixteen co-author papers with 485 citations; H=12)

- 2021 **Fresh Insights on the Kinematics of M49's Globular Cluster System with MMT/Hectospec Spectroscopy**  
**Taylor, M.A.**, Ko, Y., Côté, P., Ferrarese, L., Peng, E.W., Zabludoff, A., Roedigger, J., Sánchez-Janssen, Hendel, D., Chilingarian, I., Liu, C., Spengler, C., and Zhang, H.-X. *Astrophysical Journal*, submitted
- 2020 **The Next Generation Fornax Survey (NGFS): VII. A MUSE view of the nuclear star clusters in Fornax dwarf galaxies**  
Johnson, E., Puzia, T.H., D'Ago, G., Eigenthaler, P., Galaz, G., Häußler, Mora, M.D., Ordenes-Briceño, Y., Rong, Y., Spengler, C., Vogt, F., Côté, P., Grebel, E., Hilker, M., Mieske, S., Miller, B., Sánchez-Janssen, R., **Taylor, M.A.**, and Zhang, H.-X. *Monthly Notices of the Royal Astronomical Society*, accepted, arXiv: 2005.01532
- 2019 **The Next Generation Fornax Survey (NGFS): VI. The Alignment of Dwarf Galaxies in the Fornax Cluster**

- Rong, Y., Puzia, T.H., Ordenes-Briceño, Y., Eigenthaler, P., **Taylor, M.A.**, Muñoz, R.P., Zhang, H.-X., Alamo-Martínez, K., Ribbeck, K.X., Grebel, E., Ángel, S., Côté, P., Ferrarese, L., Hilker, M., Lançon, A., Mieske, S., Miller, B., Sánchez-Janssen, R., and Johnston, E.J., *The Astrophysical Journal*, submitted
- 2019 **The Next Generation Fornax Survey (NGFS): V. Discovery of an isolated dwarf-dwarf galaxy pair at  $z=0.30$  and its characterization using deep VLT/MUSE observations**  
Johnson, E., Eigenthaler, P., Puzia, T.H., Ordenes-Briceño, Y., **Taylor, M.A.**, Alamo-Martínez, K., Côté, P., Galaz, G., Grebel, E., Hilker, M., Lançon, A., Mieske, S., Sánchez-Janssen, and Rong, Y., *The Astrophysical Journal*, vol. 873, no. 1, 59
- 2019 **How nucleation and luminosity shape faint dwarf galaxies**  
Sánchez-Janssen, R., Puzia, T.H., Ferrarese, L., Côté, P., Eigenthaler, P., Miller, B., Ordenes-Briceño, Y., Peng, E., Ribbeck, K.X., Roediger, J., Spengler, C., and **Taylor, M.A.**, *Monthly Notices of the Royal Astronomical Society Letters*, accepted, *arXiv:1901.04509*
- 2018 **A Collection of New Dwarf Galaxies in NGC5128's Western Halo**  
**Taylor, M.A.**, Eigenthaler, P., Puzia, T.H., Muñoz, R.P., Ribbeck, K.X., Zhang, H.-X., Ordenes-Briceño, Y., and Bovill, M.S., *The Astrophysical Journal Letters*, vol. 867, no. 1, L15
- 2018 **The Fornax Cluster VLT Spectroscopic Survey. I – VIMOS spectroscopy of compact stellar systems in the Fornax core region**  
Pota, V., Napolitano, N.R., Hilker, M., Spavone, M., Schulz, C., Cantiello, M., Tortora, C., Iodice, E., Paolillo, M., D'Abrusco, R., Capaccioli, M., Puzia, T.H., Peletier, R.F., Romanowsky, A.J., van de Ven, G., Spiniello, C., Norris, M., Lisker, T., Muñoz, R.P., Schipani, P., Eigenthaler, P., **Taylor, M.A.**, Sánchez-Janssen, R., and Ordenes-Briceño, Y., *Monthly Notices of the Royal Astronomical Society*, vol. 481, no. 2, pp. 1744-1756
- 2018 **The GEMS/GSAOI Galactic Globular Cluster Survey (G4CS) I: A pilot study of the stellar populations in NGC2298 and NGC3201**  
Monty, S., Puzia, T.H., Miller, B.W., Carrasco, E.R., Simunovic, M., Schirmer, M., Stetson, P.B., Venn, K.A., Dotter, A., Goudfrooij, P., Perina, S., Pessev, P., Sarajedini, A., and **Taylor, M.A.**, *The Astrophysical Journal*, vol. 865, no. 2, pp. 160-183
- 2018 **The Next Generation Fornax Survey (NGFS). IV. Mass and Age Bimodality of Nuclear Star Clusters in the Fornax Core Region**  
Ordenes-Briceño, Y., Puzia, T.H., Eigenthaler, P., **Taylor, M.A.**, Muñoz, R.P., Zhang, H., Alamo-Martínez, K., Ribbeck, K.X., Grebel, E.K., Ángel, S., Côté, P., Ferrarese, L., Hilker, M., Lançon, A., Mieske, S., Miller, B., Rong, Y., and Sánchez-Janssen, R. *The Astrophysical Journal*, vol. 860, no. 1, 2018, pp. 4-25
- 2018 **The Next Generation Fornax Survey (NGFS). III. Revealing the spatial substructure of the dwarf galaxy population inside half of Fornax's virial radius**  
Ordenes-Briceño, Y., Eigenthaler, P., **Taylor, M.A.**, Puzia, T.H., Alamo-Martínez, K., Ribbeck, K.X., Muñoz, R.P., Zhang, H., Grebel, E.K., Ángel, S., Côté, P., Ferrarese, L., Hilker, M., Lançon, A., Mieske, S., Miller, B., Rong, Y., and Sánchez-Janssen, R. *The Astrophysical Journal*, vol. 859, no. 1, 2018, pp. 52-60
- 2018 **Stellar Population Properties of Ultra-Compact Dwarfs in M87: A mass-metallicity correlation connecting low-metallicity globular clusters and compact ellipticals**  
Zhang, H.-X., Puzia, T.H., Peng, E.W., Liu, C., Côté, P., Ferrarese, L., Duc, P.-A., Eigenthaler, P., Lim, S., Lançon, A., Muñoz, R.P., Roediger, J., Sánchez-Janssen, R., **Taylor, M.A.**, and Yu, J., *The Astrophysical Journal*, vol. 858, no. 1, 2018, pp. 37-48
- 2018 **The Next Generation Fornax Survey (NGFS). II. The Central Dwarf Galaxy Population**  
Eigenthaler, P., Puzia, T.H., **Taylor, M.A.**, Ordenes-Briceño, Y., Muñoz, R.P., Ribbeck, K.X., Alamo-Martínez, K., Zhang, H., Ángel, S., Capaccioli, M., Côté, P., Ferrarese, L., Galaz, G., Grebel, E.K., Hempel, M., Hilker, M., Lançon, A., Mieske, S., Miller, B., Paolillo, M., Powalka, M., Richtler, T., Roediger, J., Rong, Y., Sánchez-Janssen, R., and Spengler, C., *The Astrophysical Journal*, vol. 855, no. 2, 2018, pp. 142-161
- 2017 **The Extended Baryonic Halo of NGC3923**  
Miller, B., Ahumada, T., Puzia, T.H., Candlish, G., McGaugh, S.S., Mihos, C., Sanderson, R., Schirmer, M., Smith, R., & **Taylor, M.A.**, 2017, *Galaxies*, 5, 29
- 2017 **The Survey of Centurus A's Baryonic Structures (SCABS). II. The Extended Globular Cluster System of NGC5128 and its Nearby Environment**  
**Taylor, M.A.**, Puzia, T.H., Muñoz, R.P., Mieske, S., Eigenthaler, P., and Bovill, M.S., *Monthly Notices of the Royal Astronomical Society*, vol. 469, no. 3, 2017, pp. 3444-3467
- 2016 **Faint Dwarf Galaxies in Hickson Compact Group 90**  
Ordenes-Briceño Y., **Taylor, M.A.**, Puzia, T.H., Muñoz, R.P., Eigenthaler, P., Georgiev, I.Y., Goudfrooij, P., Hilker, M., Lançon, A., Mamon, G., Mieske, S., Miller, B., Peng, E.W., and Sánchez-Janssen, R., *Monthly Notices of the Royal Astronomical Society*, vol. 463, no. 2, 2016, pp. 1284-1290
- 2016 **The Lost Dwarfs of Centaurus A and the Formation of its Dark Globular Clusters**

- Mia Sauda Bovill, Puzia T.H., Ricotti, M., and **Taylor, M.A.**, *The Astrophysical Journal*, vol. 832, no. 1, 2016, pp. 88-99
- 2015 **Unveiling a Rich System of Faint Dwarf Galaxies in the Next Generation Fornax Survey**  
Muñoz, R.P., Eigenthaler, P., Puzia, T.H., **Taylor, M.A.**, Ordenes-Briceño, Y., Alamo-Martínez, K., Ribbeck, K.X., Ángel, S., Capaccioli, M., Côté, P., Ferrarese, L., Galaz, G., Hempel, M., Hilker, M., Jordán, A., Lançon, A., Mieske, S., Paolillo, M., Richtler, T., Sánchez-Janssen, R., and Zhang, H., *The Astrophysical Journal Letters*, vol. 813, no. 1, 2015, pp. 15-21
- 2015 **Observational Evidence for a Dark Side to NGC 5128's Globular Cluster System**  
**Taylor, M.A.**, Puzia, T.P., Gomez, M., and Woodley, K.A., *The Astrophysical Journal*, vol. 805, no. 1, 2015, pp. 65-85
- 2014 **The Next Generation Virgo Survey-Infrared (NGVS-IR). I. A New Near-Ultraviolet, Optical, and Near-Infrared Globular Cluster Selection Tool**  
Muñoz, R.P., Puzia, T.H., Lançon, A., Peng, E.W., Côté, P., Ferrarese, L., Blakeslee, J.P., Mei, S., Cuillandre, J.-C., Hudelot, P., Courteau, S., Duc, P.-A., Balogh, M.L., Boselli, A., Bournaud, F., Carlberg, R., Chapman, S.C., Durrell, P., Eigenthaler, P., Emsellem, E., Gavazzi, G., Gwyn, S., Huertas-Company, M., Ilbert, O., Jordán, A., Läsker, R., Licitra, R., Liu, C., MacArthur, L., McConnachie, A., McCracken, H.J., Mellier, Y., Peng, C.Y., Raichoor, A., **Taylor, M.A.**, Tonry, J.L., Tully, B.R., and Zhang, H., *The Astrophysical Journal Supplement*, vol. 210, no. 1, 2014, pp. 4-27
- 2011 **The Canada-France Ecliptic Plane Survey -- Full Data Release: The orbital structure of the Kuiper Belt**  
Petit, J.-M., Kavelaars, J.J., Gladman, B.J., Jones, R.L., Parker, J. Wm., Van Laerhoven, C., Nicholson, P., Mars, G., Rousselot, P., Mousis, O., Marsden, B., Bieryla, A., **Taylor, M.**, Ashby, M.L.N., Benavidez, P., Campo Bagatin, A., and Bernabeu, G., *The Astronomical Journal*, vol. 142, no. 4, 2011, pp. 24
- 2010 **Chemodynamics of Compact Stellar Systems in NGC 5128: How similar are globular clusters, ultra-compact dwarfs, and dwarf galaxies?**  
**Taylor, M.A.**, Puzia, T.H., Harris, W.E., Harris, G.L.H., Kissler-Patig, M., and Hilker, M., *The Astrophysical Journal*, vol. 712, no. 2, 2010, pp. 1191-1208
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