

## Jay Strader

---

Department of Physics and Astronomy      Phone: (517) 884-5605  
Michigan State University                      [straderj@msu.edu](mailto:straderj@msu.edu)  
Biomedical & Physical Sciences              <https://web.pa.msu.edu/people/strader/>  
567 Wilson Rd, Room 3268  
East Lansing, MI 48824-2320

### Education

**Ph.D.** Astronomy & Astrophysics. June 2007, University of California–Santa Cruz  
Advisor: Jean Brodie  
**B.S.** Physics & Mathematics. December 2001, Duke University  
*Distinction in Physics*

### Appointments

Professor, Michigan State University	2022–
Associate Professor, Michigan State University	2017–2022
Assistant Professor, Michigan State University	2012–2017
Menzel Fellow, Harvard College Observatory	2010–2012
Hubble Fellow, Harvard College Observatory	2007–2010
Research Assistant, University of California–Santa Cruz	2002–2007

### Fellowships and Awards

#### *National/International*

Packard Fellowship, 2015–2020  
Research Corporation Scialog Fellow, 2018  
Menzel Fellowship, 2010–2012  
Hubble Fellowship, 2007–2010  
ARCS Scholarship, 2006  
NSF Graduate Research Fellowship, 2003–2006

#### *Institutional*

NatSci Early Career Research Award (MSU), 2021  
Whitford Prize (UC-Santa Cruz), 2004  
Provost’s Fellowship (UC-Santa Cruz), 2002

### Research Grants (Amounts to Strader at MSU listed)

2025: MSU DFI (\$50K)  
2024: Chandra X-ray Observatory (\$85K)  
2024: Chandra X-ray Observatory (\$48K)  
2023: Fermi Gamma-Ray Space Telescope (\$66K)  
2023: Packard Foundation (\$85K)  
2022: National Science Foundation (\$280K)  
2022: Fermi Gamma-Ray Space Telescope (\$75K)

2022: Chandra X-ray Observatory (\$71K)  
2021: NASA Astrophysics Data Analysis Program (\$377K)  
2020: Chandra X-ray Observatory (\$61K)  
2020: Hubble Space Telescope (\$15K)  
2019: Hubble Space Telescope (\$23K)  
2018: National Science Foundation (\$48K)  
2018: XMM (\$61K)  
2018: Chandra X-ray Observatory (\$16K)  
2018: Fermi Gamma-Ray Space Telescope (\$57K)  
2017: National Science Foundation (\$338K)  
2017: Hubble Space Telescope (\$39K)  
2016: Swift (\$24K)  
2016: Hubble Space Telescope (\$37K)  
2016: Hubble Space Telescope (\$79K)  
2016: Chandra X-ray Observatory (\$91K)  
2016: Chandra X-ray Observatory (\$42K)  
2015: Packard Fellowship (\$875K)  
2015: National Science Foundation (\$213K)  
2015: Fermi Gamma-Ray Space Telescope (\$120K)  
2015: Chandra X-ray Observatory (\$34K)  
2014: Hubble Space Telescope (\$7K)  
2014: Chandra X-ray Observatory (\$46K)  
2013: Hubble Space Telescope (\$36K)  
2013: National Science Foundation (\$268K)  
2013: Hubble Space Telescope (\$37K)  
2012: Hubble Space Telescope (\$92K)

## Teaching

AST 410 (Senior Thesis). 31 students. MSU, Fall 2025/Spring 2026  
ISP 205 (Visions of the Universe). 185 students. MSU, Spring 2025  
AST 410 (Senior Thesis). 30 students. MSU, Fall 2024/Spring 2025  
AST 410 (Senior Thesis). 26 students. MSU, Fall 2023/Spring 2024  
AST 840 (Stars). 9 students. MSU, Spring 2024  
AST 410 (Senior Thesis). 31 students. MSU, Fall 2022/Spring 2023  
ISP 205 (Visions of the Universe). 200 students. MSU, Fall 2022  
AST 840 (Stars). 8 students. MSU, Spring 2022  
AST 410 (Senior Thesis). 22 students. MSU, Fall 2021/Spring 2022  
AST 410 (Senior Thesis). 15 students. MSU, Fall 2019/Spring 2020  
ISP 205 (Visions of the Universe). 154 students. MSU, Fall 2019  
AST 912 (Observational Techniques). 7 students. MSU, Spring 2019  
AST 825 (Galactic Astronomy). 6 students. MSU, Fall 2018  
ISP 205L (Visions of the Universe Lab). 450 students. MSU, Spring 2018 (5 sections)  
ISP 205L (Visions of the Universe Lab). 450 students. MSU, Fall 2017 (5 sections)  
AST 825 (Galactic Astronomy). 8 students. MSU, Fall 2016

ISP 205 (Visions of the Universe). 335 students. MSU, Fall 2015 (2 sections)  
AST 825 (Galactic Astronomy). 5 students. MSU, Fall 2014  
ISP 205 (Visions of the Universe). 500 students. MSU, Fall 2013 (2 sections)  
ISP 205 (Visions of the Universe). 220 students. MSU, Spring 2013

### **Professional Activities and Service (Community)**

Chair, Milky Way Task Force for Rubin Observatory Survey Cadence Optimization Committee. 2023–2024

Member, Rubin Observatory Survey Cadence Optimization Committee. 2020–2024

Chair, Star Clusters Science Subgroup for Rubin Observatory. 2013–2020

Member, Stars, Milky Way, and Local Volume Science Working Group for Rubin Observatory. 2008–

Member Representative, AURA. 2019–

Referee, *Nature*, *The Astrophysical Journal*, *The Astrophysical Journal Letters*, *The Astronomical Journal*, *Astronomy & Astrophysics*, *Monthly Notices of the Royal Astronomical Society*, *Nature Astronomy*. 2004–

Proposal Review, CFHT, Gemini, GMRT, Chilean FONDECYT, Chinese Telescope Access Program, Swiss NSF, Netherlands Organisation for Scientific Research. 2004–

Member, SOAR Classification Spectrograph Working Group. 2023–2024

Member, NASA Astrophysics Data Analysis Program Review Panel. 2021, 2024

Member, National Science Foundation Review Panel. 2015, 2016, 2019, 2021, 2023

Member, Search Committee for NOIRLab Mid-Scale Observatory Telescope Operators. 2022

External Reviewer, *Hubble Space Telescope* Proposal Review. 2016, 2018, 2020

Member, *Hubble Space Telescope* Review Panel. 2011, 2015, 2019

Judge, AAS Doxsey Travel Prize. 2013, 2014

External Examiner, PhD thesis, Steffani Grondin (University of Toronto). 2025

External Member, University of Utah PhD Thesis Committee for David Ohlson, 2023–

External Reviewer, PhD thesis, Itumeleng Monageng (Univ. of Cape Town). 2018

Scientific Organizer, “Intermediate-Mass Black Holes”, Belize. 2023

Scientific Organizer, “Intermediate-Mass Black Holes: New Science from Stellar Evolution to Cosmology”, San Juan, Puerto Rico. 2022

Scientific Organizer, “Search for Dwarf Companions of the Milky Way and Beyond”, Tucson, AZ. 2017

Scientific Organizer, “Sexten Center for Astrophysics Conference on Globular Clusters”, Italy. 2017

Scientific Organizer, “SOAR Science 2020”, UNC/Rio de Janeiro, Brazil. 2017

Scientific Organizer, “Compact Objects in Michigan”, East Lansing, MI. 2017

Scientific Organizer, “Globular Clusters and Galaxy Halos”, Netherlands. 2016

Scientific Organizer, “Compact Objects in Michigan”, East Lansing, MI. 2014

## **Professional Activities and Service (Institutional)**

Associate Chair for Astronomy, MSU. 2018–2020, 2022–  
Astronomy Graduate Program Director, MSU. 2018–2020, 2021–  
Member, Graduate Program Committee, MSU. 2018–2020, 2021–  
Member, Undergraduate Program Committee, MSU. 2018–2020, 2021–  
MSU SOAR Telescope Time Scheduler 2018–  
Member, MSU PhD Thesis Committees (non-advisees: Mackenzie Ticoras, Sierra Casten, Andy Smith, Noah Vowell, Erica Thygesen, Bella Molina, Katie Bowen, Adam Kawash, Mike Pajkos, Carl Fields, Dana Koeppel, Kristen Dage, Devyn Rysewyk, Ryan Connolly, Greg Meece, Tom Connor). 2013–  
Member, Junior Promotion & Tenure Review Committee 2021–2022, 2022–2023, 2024–2025, 2025–2026  
Member, Search Committee for AST Faculty Position, MSU. 2023–2024  
Chair, Search Committee for AST Instructor Position, MSU. 2022  
Member, Search Committee for AST Faculty Position, MSU. 2019–2020  
Chair, Search Committee for AST Instructor Position, MSU. 2018  
Member, Search Committee for AST/CMSE Faculty Position, MSU. 2017–2018  
Organizer, AST Seminar, MSU. 2012–2015, 2017–2018  
Member, PHY/AST Colloquium Committee, MSU. 2017–2018  
Member, University Committee on Faculty Tenure, MSU. 2015–2017  
Member, Search Committee for NSCL Faculty Position, MSU. 2015–2016  
Member, Graduate Recruiting & Program Committee, MSU. 2012–2015  
Creator and Organizer, AST journal club, MSU. 2012–2018  
Organizer, OIR Seminar, Harvard/CfA. 2010–2012

## **Students Advised**

### **Graduate Students:**

2025– Allison Crossland  
2023– Thomas Do  
2022– Rebecca Kyer  
2018–2023 Teresa Panurach (PhD 2023; NSF Graduate Research Fellow 2020–2023, executive director of PEAQs at Norfolk State)  
2015–2020 Samuel Swihart (PhD 2020; NRC fellow at Naval Research Lab, now analyst at Institute for Defense Analyses)  
2013–2020 Laura Shishkovsky (PhD 2023; array operator at NRAO)  
2013–2015 Tom Hettinger (PhD 2015; software engineer at Attentive Mobile)  
  
2010–2012 Sooyoung Kim (Yonsei)  
2007–2010 Julie Nantais (Harvard)  
2005–2007 Kieran Forde (Galway)

### **Undergraduate/High School Students:**

2025– Andrew Harms (MSU)  
2025– Kennedy Gurski (MSU)  
2024–2025 Bernard Leal (MSU)

2025 Sushit Tanay (MSU)  
2024–2025 Subhroja Roy (MSU; undergrad thesis—grad school at Notre Dame)  
2024–2025 Samuel Feyan (REU student—grad school at Harvard)  
2023–2024 Kyndrel Allen (MSU)  
2023 Grace Showerman (MSU—Goldwater Scholar)  
2023 Emma Dugan (MSU—grad school at Indiana)  
2022 Alexa Beyers (REU student—grad school at Florida)  
2020–2021 Lauren McDermott (MSU; undergrad thesis—grad school at Washington St.)  
2019–2020 Jessie Miller (MSU—grad school at Caltech)  
2019–2020 Meg Davis (MSU—grad school at U. Conn)  
2019–2020 Shion Andrew (REU student—Churchill Scholar; grad school at MIT)  
2019 Jennifer Rodriguez (MSU—grad school at Ohio St.)  
2019 Ashley Granquist (Hall High School; West Hartford, CT—MIT undergrad)  
2018 Luis Bariuan (Mission Vista High School; Oceanside, CA—MIT undergrad)  
2018 Joey Seitz (MSU—grad school at MSU)  
2018 Alexa Muethel Gordon (MSU—grad school at Northwestern)  
2018 Matthew Floyd (REU student—grad school at U. of Toledo)  
2017–2018 Huei Sears (MSU—grad school at Northwestern)  
2017 Jacob Davison (REU student—grad school at MSU)  
2016–2017 Seth Bruzewski (MSU—grad school at U. of New Mexico)  
2015–2017 Dustin Scriven (MSU; undergrad thesis—grad school at Texas A&M)  
2016 John Owens (MSU; undergrad thesis)  
2015–2016 Andrew Bundas (MSU; undergrad thesis)  
2015 Vladislav Jdanov (MSU)  
2014–2015 David Saunders (MSU)  
2013–2014 Alex McComb (MSU)  
2013–2014 Erin May (MSU; undergrad thesis—grad school at U. of Mich.)  
2013–2014 Brandon Russell (MSU)  
2013 Jacob Gruhn (MSU)  
2004–2005 Lee Spitler (UCSC—grad school at Swinburne U.)

### **Postdocs Advised**

2018– Ryan Urquhart  
2021–2023 Esha Kundu (now assistant prof, IIT Dhanbad, India)  
2018–2022 Kirill Sokolovsky (now research associate, U Illinois)  
2018–2022 Abigail Stevens (NSF AAFP Fellow at MSU, now Manager of Public Programming at MSU Museum)  
2015–2018 Kwan-Lok Li (now associate prof., National Cheng Kung U, Taiwan)  
2016–2018 Chris Britt (now Education & Outreach Scientist, STScI)  
2016–2018 Arash Bahramian (now permanent senior lecturer, Curtin U.)  
2015–2017 Evangelia Tremou (now assistant scientist at NRAO, Socorro, NM)  
2013–2016 Mark Peacock (now data scientist for Blue Cross)  
2013–2015 Ricardo Salinas (became tenured scientist at Gemini, La Serena, Chile)

## Invited Talks (since 2010)

Center for Astrophysics — Harvard & Smithsonian Colloquium (Oct 2025)  
National Radio Astronomy Observatory, Socorro (Apr 2023)  
Oakland University (Jan 2023)  
Michigan State University (Nov 2021)  
Caltech (May 2021)  
University of Toronto (Mar 2020—cancelled due to COVID-19)  
Ohio State University (Mar 2020)  
University of Washington (May 2019)  
Northwestern University (May 2019)  
University of Chicago (Oct 2018)  
Space Telescope Science Institute (Mar 2018)  
Texas A&M University (Apr 2017)  
Harvard-Smithsonian Center for Astrophysics Colloquium (Mar 2017)  
Case Western Reserve University (Mar 2017)  
Ohio State University (Mar 2017)  
University of Utah (Feb 2017)  
Michigan State University (Nov 2016)  
University of California–Los Angeles (May 2016)  
Texas Tech University (Mar 2016)  
Curtin University, Perth (Jul 2015)  
Northwestern University (May 2015)  
Columbia University (Oct 2014)  
Wayne State University (Sep 2014)  
Indiana University (May 2014)  
University of Notre Dame (Feb 2014)  
University of Pittsburgh (Oct 2013)  
Liverpool John Moores University (Jul 2013)  
University of Western Ontario (Dec 2012)  
University of Michigan (Oct 2012)  
Michigan State University (Feb 2012)  
Harvard-Smithsonian Center for Astrophysics (Nov 2011)  
Brown University (Nov 2011)  
Space Telescope Science Institute (Mar 2010)  
Northwestern University (Mar 2010)  
Harvard-Smithsonian Center for Astrophysics (Feb 2010)

*XMC II: Clouds over Yellowstone* (Bozeman, MT; May 2025)

*Extreme Black Holes* (Aspen; Mar 2023)

*Packard Fellows Meeting 2020* (virtual; Sep 2020)

*The Physics of Extreme Gravity Stars* (Stockholm, Sweden; Jun 2017) – two talks

*Globular Cluster Systems and Their Host Galaxies* (Sextens, Italy; Jun 2017)

*SOAR Science 2020* (Chapel Hill, NC; Mar 2017)

*Packard Fellows Meeting 2016* (Monterey, CA; Sep 2016)

*Star Clusters as Cosmic Laboratories for Astrophysics, Dynamics, and Fundamental*

*Physics* (Bologna, Italy; Apr 2016)  
*Astrophysics at Mayacamas Ranch* (Calistoga, CA; Apr 2016)  
*Globular Clusters and Galaxy Halos* (Leiden, Netherlands; Feb 2016)  
*Satellites and Streams in Santiago* (Santiago, Chile; Apr 2015)  
*Ultra-Compact Binaries as Laboratories for Fundamental Physics* (Aspen; June 2014)  
*Dwarf Galaxies as Cosmological Probes* (Aspen; June 2014)  
*The Dance of Stars* (Bad Honnef, Germany; Jun 2014)  
*ICNT 2013* (East Lansing, MI; Aug 2013)  
*Small Stellar Systems in Tuscany* (Prato, Italy; Jun 2013)  
*SnowPAC 2013* (Snowmass, UT; Mar 2013)  
*MODEST-12* (Kobe, Japan; Aug 2012) – two talks  
*The Future of Astronomy* (Evanston, IL; Sep 2011)  
*Stellar and Intermediate Mass Black Holes* (Aspen; Jun 2011)  
*Hubble Fellows Symposium* (Baltimore, MD; Mar 2010)

### **Public Outreach**

Organized tailgating outreach at MSU, Sep 2025, East Lansing, MI  
Public talk at Astronomy on Tap, Apr 2025, Lansing, MI  
Organized tailgating outreach at MSU, Sep 2023, East Lansing, MI  
Talk to MSU Astronomy Club, Jan 2023, East Lansing, MI  
Public talk at Astronomy on Tap, Apr 2022, Lansing, MI  
Organized tailgating outreach at MSU, Sep 2019, East Lansing, MI  
Public talk, Apr 2018, Abrams Planetarium, East Lansing, MI  
Kavli Foundation Roundtable, Dec 2016  
Talk to MSU Astronomy Club, Feb 2015, East Lansing, MI  
Week of guest tweeting from @astrotweeps account, Feb 2015  
Public talk, Oct 2014, Abrams Planetarium, East Lansing, MI  
Public talk, May 2014, Kalamazoo Astronomical Society, Kalamazoo, MI  
Volunteer Docent at MSU Observatory, Apr 2014, MSU Science Festival  
Public talk, Oct 2013, University Lowbrow Astronomers, Ann Arbor, MI  
Public talk, Feb 2013, Abrams Planetarium, East Lansing, MI

## Refereed Publications

Link to refereed papers:

[https://ui.adsabs.harvard.edu/public-libraries/NSfc7CV\\_SAiauip1NeGXVA](https://ui.adsabs.harvard.edu/public-libraries/NSfc7CV_SAiauip1NeGXVA)

Bibliometric summary: 371 refereed papers total (18238 citations); 76 first or second-author papers (5494 citations). *h*-index = 70.

### 2025

**371. PSR J1947–1120: A new huntsman millisecond pulsar binary.**

*Strader, J., Ray, P., Urquhart, R., Swihart, S., Chomiuk, L., Aydi, E., Bellm, E., Dage, K., DeCesar, M., Deneva, J., McLaughlin, M., Molina, I., Panurach, T., Sokolovsky, K.* 2025, *The Astrophysical Journal*, 980, 124

**370. Multiwavelength evidence for two new candidate transitional millisecond pulsars in the sub-luminous disk state: 4FGL J0639.1–8009 and 4FGL J1824.2+1231.**

*Kyer, R., Roy, S., Strader, J., Urquhart, R., Molina, I., Craig, P., Chomiuk, L.* 2025, *The Astrophysical Journal*, 983, 112

**369. X-ray constraints on wandering black holes in stripped galaxy nuclei in the halo of NGC 5128.**

*Feyan, S., Urquhart, R., Strader, J., Seth, A., Sand, D., Caldwell, N., Crnojevic, D., Dumont, A., Voggel, K.* 2025, *The Astrophysical Journal*, 984, 132

**368. The X-ray source population of the metal-rich globular cluster NGC 6528.**

*Leal, B., Oh, K., Strader, J., Zepf, S., Dage, K., Kim, S., Hui, C.* 2025, *Monthly Notices of the Royal Astronomical Society*, 542, 2943

**367. Revisiting the classics: On the optical colours of novae as standard crayons.**

*Craig, P., Aydi, E., Chomiuk, L., Strader, J., Stone, A., Sokolovsky, K., Mukai, K., Kawash, A., Flo, J., Boussin, C., Charbonnel, S., Garde, O.* 2025, *Monthly Notices of the Royal Astronomical Society*, 538, 2339

**366. Revisiting the classics: On the statistics of dust formation in novae.**

*Chong, A., Aydi, E., Craig, P., Chomiuk, L., Stone, A., Strader, J., Kawash, A., Sokolovsky, K., Walter, F.* 2025, *Monthly Notices of the Royal Astronomical Society*, 541, 980

**365. oMEGACat. VII. Tracing interstellar and intracluster medium of Omega Centauri using sodium absorptions.**

*Wang, Z., Seth, A., Latour, M., Strader, J., Haberle, M., Neumayer, N., Clontz, C., Kamann, S., Nitschai, M., Alfaro-Cuello, M., Bellini, A., Feldmeier-Krause, A., Li-*

bralato, M., Milone, A., Smith, P., Souza, S., van de Ven, G. 2025, *The Astrophysical Journal*, in press

**364. Radio Observations of a Candidate Redback Millisecond Pulsar: 1FGL J0523.5–2529.**

Johnson, O., Keane, E., McKenna, D., Qiu, H., Swihart, S., *Strader, J.*, McLaughlin, M. 2025, *Open Journal of Astrophysics*, in press

**363. Extreme nuclear transients resulting from the tidal disruption of intermediate mass stars.** Hinkle, J., Shappee, B., Auchettl, K., Kochanek, C., Neustadt, J., Polin, A., *Strader, J.*, Holoien, T., Huber, M., Tucker, M., Ashall, C., de Jaeger, T., Desai, D., Do, A., Hoogendam, W., Payne, A. 2025, *Science Advances*, 11, 74

**362. Streams, shells, and substructures in the accretion-built stellar halo of NGC 300.**

Fielder, C., Sand, D., Jones, M., Crnojevic, D., Drlica-Wagner, A., Bennet, P., Carlin, J., Cerny, W., Doliva-Dolinsky, A., Hunter, L., Karunakaran, A., Limberg, G., Mutlu-Pakdil, B., Pace, A., Pearson, S., Smercina, A., Spekkens, K., Starkenburg, T., *Strader, J.*, Stringfellow, G., Tollerud, E., Bom, C., Carballo-Bello, J., Chaturvedi, A., Choi, Y., James, D., Martinez-Vazquez, C., Riley, A., Sakowska, J., Vivas, K. 2025, *The Astrophysical Journal Letters*, 982, 41

**361. Near-Discovery SOAR Photometry of the Third Interstellar Object: 3I/ATLAS.**

Frincke, T., Yaginuma, A., Noonan, J., Hsieh, H., Seligman, D., Holt, C., *Strader, J.*, Do, T., Craig, P., Molina, I. 2025, *Monthly Notices of the Royal Astronomical Society*, in press

**360. A 34-year timing solution of the redback millisecond pulsar Terzan 5A.**

Rosenthal, A., Ransom, S., Corcoran, K., DeCesar, M., Freire, P., Hessels, J., Keith, M., Lynch, R., Lyne, A., Nice, D., Stairs, I., Stappers, B., *Strader, J.*, Thorsett, S., Urquhart, R. 2025, *The Astrophysical Journal*, 982, 170

**359. Spectral insights and evolutionary pathways of globular cluster ULX in NGC 1399: A two-decade X-ray and optical study.**

Oh, K., Dage, K., Bobrick, A., Aydi, E., Bahramian, A., Goodwin, A., Haggard, D., Irwin, J., Kundu, A., *Strader, J.*, Maccarone, T., Zepf, S. 2025, *Monthly Notices of the Royal Astronomical Society*, 537, 3884

**358. Multiple outflows and delayed ejections revealed by early imaging of novae.**

Aydi, E., Monnier, J., Merand, A., Schaefer, G., Chomiuk, L., Otulakowska-Hypka, M., Fan, J., Li, K., Sokolovsky, K., Salinas, R., Tucker, M., Shappee, B., Rudy, R.,

Page, K., Kuin, P., Buckley, D., Craig, P., Izzo, L., Linford, J., Metzger, B., Mukai, K., Orio, M., Shen, K., *Strader, J.*, Sokoloski, J., Williams, R., Williams, M., Habtie, G., Kraus, S., Anugu, N., Le Bouquin, J., Chhabra, S., Codron, I., Gardner, T., Gutierrez, M., Ibrahim, N., Lanthermann, C., Setterholm, B., Ashall, C., Hinkle, J., de Jaeger, T. Payne, A. *Nature Astronomy*, 2025, in press

**357. Optimizing kilonova searches: A case study of the Type IIb SN 2025ulz in the localization volume of the low-significance gravitational wave event S250818k.**

Franz, N., Subrayan, B., Kilpatrick, C., Hosseinzadeh, G., Sand, D., Alexander, K., Fong, W., Christy, C., Pearson, J., Laskar, T., Hsu, B., Rastinejad, J., Lundquist, M., Berger, E., Bostroem, A., Bom, C., Darc, P., Gurwell, M., Schimpf, S., Keating, G., Noel, P., Ransome, C., Rao, R., Santana-Silva, L., Souza Santos, A., Shrestha, M., Anche, R., Andrews, J., Borthakur, S., Butler, N., Coppejans, D., Daly, P., Daniel, K., Duffell, P., Eftekhari, T., Fields, C., Gagliano, A., Golay, W., Grichener, A., Hamden, E., Hiramatsu, D., Kumar, H., Manikantan, V., Margutti, R., Paschalidis, V., Paterson, K., Reichart, D., Renzo, M., Salmas, K., Schroeder, G., Smith, N., Spekkens, K., Strader, J., Trilling, D., Vieira, N., Weiner, B., Williams, P. 2025, *The Astrophysical Journal Letters*, in press

**356. SN 2018is: A low-luminosity Type IIP supernova with narrow hydrogen emission lines at early phases.** Dastidar, R., Misra, K., Valenti, S., Sand, D., Pastorello, A., Reguitti, A., Pignata, G., Benetti, S., Bose, S., Gangopadhyay, A., Singh, M., Tomasella, L., Andrews, J., Arcavi, I., Ashall, C., Bilinski, C., Bostroem, K. A., Buckley, D., Cannizzaro, G., Chomiuk, L., Congiu, E., Dong, S., Dong, Y., Elias-Rosa, N., Fraser, M., Gall, C., Gromadzki, M., Hiramatsu, D., Hosseinzadeh, G., Howell, D. A., Hsiao, E., McCully, C., Smith, N., *Strader, J.* 2025, *Astronomy & Astrophysics*, 694, 260

**355. The Karl G. Jansky Very Large Array Local Group L-band Survey (LGLBS).**

Koch, E., Leroy, A., Rosolowsky, E., Chomiuk, L., Dalcanton, J., Pingel, N., Sarbadhicary, S., Stanimirovic, S., Walter, F., Archer, H., Bolatto, A., Busch, M., Chen, H., Chown, R., Corbould, H., Cronin, S., Darling, J., Do, T., Donovan Meyer, J., Eibensteiner, C., Hunter, D., Indebetouw, R., Jagannathan, P., Kepley, A., Kim, C., Kim, S., Kovacs, T., Marvil, J., Murphy, E., Murray, C., Ott, J., Pisano, D., Putman, M., Rybarczyk, D., Roman-Duval, J., Sandstrom, K., Schinnerer, E., Skillman, E., Smercina, A., Stelea, I., *Strader, J.*, Sun, J., Tallapaneni, D., Tarantino, E., Villanueva, V., Weisz, D., Williams, T., Wong, T. 2025, *The Astrophysical Journal Supplements*, 279, 35

**354. The NGC3109 satellite system: The first systematic resolved search for dwarf galaxies round a SMC-mass host.**

Doliva-Dolinsky, A., Mutlu-Pakdil, B., Crnojevic, D., Anbajagane, D., Carlin, J., Medoff, J., Sand, D., Tollerud, E., Lim, S., Bennet, P., Drlica-Wagner, A., Fielder,

C., Hargis, J., Herron, K., Hunter, L., Jones, M., Karunakaran, A., Peter, A., Romanowsky, A., Spekkens, K., *Strader, J.*, Willman, B., Carballo-Bello, J., Cerny, W., Chaturvedi, A., Kallivayalil, N., Martinez-Vazquez, C., Medina, G., Noel, N., Pace, A., Riley, A., Sakowska, J., Smercina, A., Vivas, K., Adamow, M., Bom, C., Choi, Y., Ferguson, P., Navabi, M., Zenteno, A., 2025, *The Astrophysical Journal*, 989, 21

## 2024

**353. Ultra-deep ATCA imaging of 47 Tucanae reveals a central compact radio source.**

Paduano, A., Bahramian, A., Miller-Jones, J., Kawka, A., Galvin, T., Rivera Sandoval, L., Kamann, S., *Strader, J.*, Chomiuk, L., Heinke, C., Maccarone, T., Dreizler, S. 2024, *The Astrophysical Journal*, 961, 54

**352. A survey for radio emission from white dwarfs in the VLA Sky Survey.**

Pelisoli, I., Chomiuk, L., *Strader, J.*, Marsh, T., Aydi, E., Dage, K., Kyer, R., Molina, I., Panurach, T., Urquhart, R., Maccarone, T., Rich, R.M., Rodriguez, A., Breedt, E., Brown, A., Dhillon, V., Dyer, M., Gaensicke, B., Garbutt, J., Green, M., Kennedy, M., Kerry, P., Littlefair, S., Munday, J., Parsons, S. 2024, *Monthly Notices of the Royal Astronomical Society*, 531, 1805

**351. Investigating the dark matter halo of NGC 5128 using a discrete dynamical model.**

Dumont, A., Seth, A., *Strader, J.*, Sand, D., Voggel, K., Hughes, A., Crnojevic, D., Forbes, D., Mateo, M., Pearson, S. 2024, *Astronomy & Astrophysics*, 685, 132

**350. Constraints on the  $z \sim 5$  star-forming galaxy luminosity function from Hubble Space Telescope: Imaging of an unbiased and complete sample of long gamma-ray burst host galaxies.**

Sears, H., Chornock, R., *Strader, J.*, Perley, D., Blanchard, P., Margutti, R., Tanvir, N. 2024, *The Astrophysical Journal*, 966, 133

**349. Revisiting the classics: On the evolutionary origin of the “Fe II” and “He/N” spectral classes of novae.**

Aydi, E., Chomiuk, L., *Strader, J.*, Sokolovsky, K., Williams, R., Buckley, D., Ederoclite, A., Izzo, L., Kyer, R., Linford, J., Kniazev, A., Metzger, B., Mikolajewska, J., Molaro, P., Mollina, I., Mukai, K., Munari, U., Orio, M., Panurach, T., Shappee, B., Shen, K., Sokoloski, J., Urquhart, R., Walter, F. 2024, *Monthly Notices of the Royal Astronomical Society*, 527, 9303

**348. A 2.9-hour periodic radio transient with an optical counterpart.**

Hurley-Walker, N., McSweeney, S., Bahramian, A., Rea, N., Horvath, C., Buchner, S., Williams, A., Meyers, B., *Strader, J.*, Aydi, E., Urquhart, R., Chomiuk, L., Galvin, T., Coti Zelati, F., Bailes, M. 2024, *The Astrophysical Journal Letters*, 976, 21

**347. Mass estimates from optical modelling of the new TRAPUM redback PSR J1910-5320.**

Dodge, O., Breton, R., Clark, C., Burgay, M., *Strader, J.*, Au, K., Barr, E., Buchner, S., Dhillon, V., Ferrara, D., Freire, P., Griessmeier, J., Kennedy, M., Kramer, M., Li, K., Padmanabh, P., Phosrisom, A., Stappers, B., Swihart, S., Thongmeearkom, T. 2024, *Monthly Notices of the Royal Astronomical Society*, 528, 4337

**346. A census of dwarf galaxy satellites around LMC-mass galaxy NGC 2403.**

Carlin, J., Sand, D., Mutlu-Pakdil, B., Crnojevic, D., Doliva-Dolinsky, A., Garling, C., Peter, A., Brodie, J., Forbes, D., Hargis, J., Romanowsky, A., Spekkens, K., *Strader, J.*, Willman, B. 2024, *The Astrophysical Journal*, 977, 112

**345. The metallicity mapping of the ionized diffuse gas at the Milky Way disk–halo interface.** Choi, B., Werk, J., Tchernyshyov, J., Prochaska, J., Zheng, Y., Putman, M., Fielding, D., *Strader, J.* 2024, *The Astrophysical Journal*, 976, 222

**344. The symbiotic recurrent nova v745 Sco at radio wavelengths.**

Molina, I., Chomiuk, L., Linford, J., Aydi, E., Mioduszewski, A., Mukai, K., Sokolovsky, K., *Strader, J.*, Craig, P., Dong, D., Harris, C., Nyamai, M., Rupen, M., Sokoloski, J., Walter, F., Weston, J., Williams, M. 2024, *Monthly Notices of the Royal Astronomical Society*, 534, 1227

**343. A contact binary mis-classified as an ellipsoidal variable: Complications for detached black hole searches.**

O’Doherty, T., Bahramian, A., Goodwin, A., Miller-Jones, J., Orosz, J., *Strader, J.* 2024, *The Astronomical Journal*, 168, 44

**342. Spectro-photometric follow up of the outbursting AM CVn system ASASSN-21br.**

Painter, S., Aydi, E., Motsoaledi, M., Sokolovsky, K., *Strader, J.*, Buckley, D., Kochanek, C., Maccarone, T., Mukai, K., Shappee, B., Stanek, K. 2024, *Monthly Notices of the Royal Astronomical Society*, 532, 4205

**341. Corvus A: A low-mass, isolated galaxy at 3.5 Mpc.**

Jones, M., Sand, D., Mutlu-Pakdil, B., Fielder, C., Crnojevic, D., Bennet, P., Spekkens, K., Donnerstein, R., Doliva-Dolinsky, A., Karunakaran, A., *Strader, J.*, Zaritsky, D. 2024, *The Astrophysical Journal Letters*, 971, 37

**340. An arcsecond view at 1–2 GHz into the Galactic Bulge.**

Pattie, E., Maccarone, T., Britt, C., Heinke, C., Jonker, P., Lorimer, D., Sivakoff, G., Steeghs, D., *Strader, J.*, Torres, M., Wijnands, R. 2024, *Monthly Notices of the Royal Astronomical Society*, 531, 2191

**339. ReveaLLAGN 0: First look at JWST MIRI data of Sombrero and**

## NGC 1052.

Goold K., Seth A., Molina M., Ohlson D., Runnoe J., Boeker T., Davis T., Dumont A., Eracleous M., Fernandez Ontiveros J., Gallo E., Goulding A., Greene J., Ho L., Markoff S., Neumayer N., Plotkin R., Prieto A., Satyapal S., Van de Ven G., Walsh J., Yuan F., Feldmeier-Krause A., Gultekin K., Hoenig S., Kirkpatrick A., Lutzgendorf N., Reines A., *Strader J.*, Trump J., Voggel K. 2024, *The Astrophysical Journal*, 966, 204

### 338. **The faint satellite system of NGC 253: Insights into low-density environments and no satellite plane.**

Mutlu-Pakdil, B., Sand, D., Crnojevic, D., Bennet, P., Jones, M., Spekkens, K., Karunakaran, A., Zaritsky, D., Caldwell, N., Fielder, C., Guhathakurta, P., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2024, *The Astrophysical Journal*, 966, 188

### 337. **Strong carbon features and a red early color in the underluminous Type Ia SN 2022xkq.**

Pearson, J., Sand, D., Lundqvist, P., Galbany, L., Andrews, J., Bostroem, K. A., Dong, Y., Hoang, E., Hosseinzadeh, G., Janzen, D., Jencson, J., Lundquist, M., Mehta, D., Meza Retamal, N., Shrestha, M., Valenti, S., Wyatt, S., Anderson, J. Ashall, C., Auchtettl, K., Baron, E., Blondin, S. Burns, C., Cai, Y. Chen, T., Chomiuk, L., Coulter, D., Cross, D., Davis, K., de Jaeger, T., DerKacy, J., Desai, D., Dimitriadis, G., Do, A., Farah, J., Foley, R. Gromadzki, M., Gutierrez, C., Haislip, J., Gonzalez Hernandez, J. Hinkle, J. Hoogendam, W., Howell, D. A., Hoefflich, P., Hsiao, E., Huber, M., Jha, S., Jimenez Palau, C., Kilpatrick, C. Koupryanov, V., Kumar, S., Kwok, L. Larison, C. LeBaron, N., Le Saux, X., Lu, J., McCully, C., Mera Evans, T. Milne, P., Modjaz, M., Morrell, N., Muller-Bravo, T., Newsome, M., Nicholl, M., Padilla Gonzalez, E. Payne, A., Pellegrino, C., Phan, K., Pineda-Garcia, J., Piro, A., Piscarreta, L., Polin, A. Reichart, D., Rojas-Bravo, C. Ryder, S. Salmaso, I., Schwab, M. Shahbandeh, M., Shappee, B. Siebert, M. Smith, N., *Strader, J.*, Taggart, K., Tereran, G., Tinyanont, S., Tucker, M., Valerin, G., Young, D. 2024, *The Astrophysical Journal*, 960, 29

## 2023

### 336. **Multi-wavelength observations of a new redback millisecond pulsar 4FGL J1910.7–5320.**

Au, K., *Strader, J.*, Swihart, S., Lin, L., Kong, A., Takata, J., Hui, C., Panurach, T., Molina, I., Aydi, E., Sokolovsky, K., Li, K. 2023, *The Astrophysical Journal*, 943, 103

### 335. **Tracking the enigmatic globular cluster ultracompact X-ray binary X1850–087: Extreme radio variability in the hard state.**

Panurach, T., Urquhart, R., *Strader, J.*, Chomiuk, L., Bahramian, A., Heinke, C., Maccarone, T., Miller-Jones, J., Sivakoff, G. 2023, *The Astrophysical Journal*, 946, 88

**334. New velocity measurements of NGC 5128 globular clusters out to 130 kpc: Outer halo kinematics, substructure and dynamics.**

Hughes, A., Sand, D., Seth, A., *Strader, J.*, Lidman, C., Voggel, K., Dumont, A., Crnojevic, D., Mateo, M., Caldwell, N., Forbes, D., Pearson, S., Guhathakurta, P., Toloba, E. 2023, *The Astrophysical Journal*, 947, 34

**333. The fastest stars in the galaxy.**

El-Badry, K., Shen, K., Chandra, V., Bauer, E., Fuller, J., *Strader, J.*, Chomiuk, L., Naidu, R., Caiazzo, I., Rodriguez, A., Nagarajan, P., Yamaguchi, N., Vanderbosch, Z., Roulston, B., van Roestel, J., Gansicke, B., Han, J., Burdge, K., Filippenko, A., Brink, T., Zheng, W. 2023, *The Open Journal of Astrophysics*, 6, 28

**332. Is the M81 fast radio burst host globular cluster special?**

Dage, K., Bahramian, A., James, C., Kundu, A., Rhode, K., *Strader, J.*, Vesperini, E., Zepf, S. 2023, *The Astrophysical Journal Letters*, 957, 17

**331. Pavo: Discovery of a star-forming dwarf galaxy just outside the Local Group.**

Jones, M., Mutlu-Pakdil, B., Sand, D., Donnerstein, R., Crnojevic, D., Bennet, P., Fielder, C., Karunakaran, A., Spekkens, K., *Strader, J.*, Urquhart, R., Zaritsky, D. 2023, *The Astrophysical Journal Letters*, 957, 5

**330. Fast infrared winds during the radio-loud and X-ray obscured stages of the black hole transient GRS 1915+105.**

Sanchez-Sierras, J., Munoz-Darias, T., Motta, S., Fender, R., Bahramian, A., Martínez-Sebastian, C., Fernandez-Ontiveros, J., Casares, J., Armas Padilla, M., Green, D., Mata Sanchez, D., *Strader, J.*, Torres, M. 2023, *Astronomy & Astrophysics*, 680, 16

**329. Probing the jet size of two black hole X-ray binaries in the hard state.**

Prabu, S., Miller-Jones, J., Bahramian, A., Wood, C., Tingay, S., Atri, P., Plotkin, R., *Strader, J.* 2023, *Monthly Notices of the Royal Astronomical Society*, 525, 4426

**328. Catching a nova X-ray/UV flash in the visible? Early spectroscopy of the very slow Nova Velorum 2022 (Gaia22alz).**

Aydi, E., Chomiuk, L., Mikolajewska, J., Brink, J., Metzger, B., *Strader, J.*, Buckley, D., Harvey, E., Holoien, T., Izzo, L., Kawash, A., Linford, J., Molaro, P., Mollina, I., Mroz, P., Mukai, K., Orio, M., Panurach, T., Senchyna, P., Shappee, B., Shen, K., Sokoloski, J., Sokolovsky, K., Urquhart, R., Williams, R. 2023, *Monthly Notices of the Royal Astronomical Society*, 524, 1946

**327. MAXI J1848–015: The first detection of relativistically moving outflows from a globular cluster X-ray binary.**

Bahramian, A., Tremou, E., Tetarenko, A., Miller-Jones, J., Fender, R., Corbel, S., Williams, D., *Strader, J.*, Carotenuto, F., Salinas, R., Kennea, J., Motta, S., Woudt, P., Matthews, J., Russell, T. 2023, *The Astrophysical Journal Letters*, 948, 7

**326. Low-density star cluster formation: discovery of a young faint fuzzy on the outskirts of the low-mass spiral galaxy NGC 247.**

Romanowsky, A., Larsen, S., Villaume, A., Carlin, J., Janz, J., Sand, D., *Strader, J.*, Brodie, J., Chakrabarti, S., Cheng, C., Crnojevic, D., Forbes, D., Garling, C., Hargis, J., Karunakaran, A., Martin-Navarro, I., Olsen, K., Rider, N., Salimkumar, B., Santhanakrishnan, V., Spekkens, K., Tang, Y., van Dokkum, P., Willman, B. 2023, Monthly Notices of the Royal Astronomical Society, 518, 3164

**325. An observationally-derived kick distribution for neutron stars in binary systems.**

O'Doherty, T., Bahramian, A., Miller-Jones, J., Goodwin, A., Mandel, I., Willcox, R., Atri, P., *Strader, J.* 2023, Monthly Notices of the Royal Astronomical Society, 521, 2504

**324. SN 2022acko: The first early far-ultraviolet spectra of a type IIP supernova.**

Bostroem, K. A., Dessart, L., Hillier, D.J., Lundquist, M., Andrews, J., Sand, D. A., Dong, Y., Valenti, S., Haislip, J., Hoang, E., Hosseinzadeh, G., Janzen, D. A., Jencson, J., Jha, S., Kouprianov, V., Pearson, J., Meza Retamal, N., Reichart, D., Shrestha, M., Ashall, C., Baron, E., Brown, P., DerKacy, J., Farah, J., Galbany, L., Gonzalez Hernandez, J., Green, E., Hoefflich, P., Howell, D. A., Kwok, L., McCully, C., Muller-Bravo, T., Newsome, M., Padilla Gonzalez, E., Pellegrino, C., Rho, J., Rowe, M., Schwab, M., Shahbandeh, M., Smith, N., *Strader, J.*, Terreran, G., Van Dyk, S., Wyatt, S., 2023, The Astrophysical Journal Letters, 953, 18

**323. A luminous red supergiant and dusty long-period variable progenitor for SN 2023ixf.**

Jencson, J., Pearson, J., Beasor, E., Lau, R., Andrews, J., Bostroem, K., Dong, Y., Engesser, M., Gomez, S., Guolo, M., Hoang, E., Hosseinzadeh, G., Jha, S., Karambelkar, V., Kasliwal, M., Lundquist, M., Meza Retamal, N., Rest, A., Sand, D., Shahbandeh, M., Shrestha, M., Smith, N., *Strader, J.*, Valenti, S., Wang, Q., Zenati, Y. 2023, The Astrophysical Journal Letters, 952, 30

**322. The ASAS-SN bright supernova catalog – V. 2018-2020.**

Neumann, K., Holoien, T., Kochanek, C., Stanek, K., Vallely, P., Shappee, B., Prieto, J., Pessi, T., Jayasinghe, T., Brimacombe, J., Bersier, D., Aydi, E., Basinger, C., Beacom, J., Bose, S., Brown, J., Chen, P., Clocchiatti, A., Desai, D., Dong, S., Falco, E., Holmbo, S., Morrell, N., Shields, J., Sokolovsky, K., *Strader, J.*, Stritzinger, M., Swihart, S., Thompson, T., Way, Z., Aslan, L., Bishop, D., Bock, G., Bradshaw, J., Cacella, P., Castro-Morales, N., Conseil, E., Cornect, R., Cruz, I., Farfan, R., Fernandez, J., Gabuya, A., Gonzalez-Carballo, J., Kendurkar, M., Kiyota, S., Koff, R., Krannich, G., Marples, P., Masi, G., Monard, L., Munoz, J., Nicholls, B., Post, R., Pujic, Z., Stone, G., Tomasella, L., Trappett, D., Wiethoff, W. 2023, Monthly Notices of the Royal Astronomical Society, 520, 4356

2022

321. **A new flaring black widow candidate and demographics of black widow millisecond pulsars in the Galactic field.**

Swihart, S., *Strader, J.*, Chomiuk, L., Aydi, E., Sokolovsky, K., Ray, P., Kerr, M. 2022, *The Astrophysical Journal*, 941, 199

320. **4FGL J1120.0–2204: A unique gamma-ray bright neutron star binary with an extremely low mass proto-white dwarf.**

Swihart, S., *Strader, J.*, Aydi, E., Chomiuk, L., Dage, K., Kawash, A., Sokolovsky, K., Ferrara, E. 2022, *The Astrophysical Journal*, 926, 201

319. **1RXH J082623.6–505741: a new long-period cataclysmic variable with an evolved donor and a low mass transfer rate.**

Sokolovsky, K., *Strader, J.*, Swihart, S., Aydi, E., Bahramian, A., Chomiuk, L., Heinke, C., Hughes, A., Li, K., Lopes de Oliveira, R., Miller-Jones, J., Mukai, K., Sand, D., Shishkovsky, L., Tremou, E., Voggel, K. 2022, *The Astrophysical Journal*, 934, 142

318. **X-ray and radio observations of central black holes in nearby low-mass early-type galaxies: Preliminary evidence for low Eddington fractions.**

Urquhart, R., McDermott, L., **Strader, J.**, Seth, A., Chomiuk, L., Neumayer, N., Nguyen, D., Tremou, E. 2022, *The Astrophysical Journal*, 940, 111

317. **The MAVERIC survey: A catalogue of radio sources in southern globular clusters from the Australia Telescope Compact Array.**

Tudor, V., Miller-Jones, J., *Strader, J.*, Bahramian, A., Shishkovsky, L., Plotkin, R., Chomiuk, L., Heinke, C., Maccarone, T., Sivakoff, G., Tremou, E., Anderson, G., Russell, T., Tzioumis, A. 2022, *Monthly Notices of the Royal Astronomical Society*, 513, 3818

316. **A population of luminous globular clusters and stripped nuclei with elevated mass to light ratios around NGC 5128.**

Dumont, A., Seth, A., *Strader, J.*, Sand, D., Hughes, A., Voggel, K., Caldwell, N., Crnojevic, D., Mateo, M., Bailey, J., Forbes, D. 2022, *The Astrophysical Journal*, 929, 147

315. **Detection of a likely 100,000  $M_{\odot}$  black hole in M31's most massive globular cluster.**

Pechetti, R., Seth, A., Kamann, S., Caldwell, N., *Strader, J.*, den Brok, M., Lutzgendorf, N., Neumayer, N., Voggel, K. 2022, *The Astrophysical Journal*, 924, 48

314. **The Galactic nova rate: Estimates from the ASAS-SN and *Gaia* surveys.**

Kawash, A., Chomiuk, L., *Strader, J.*, Sokolovsky, K., Aydi, E., Kochanek, C., Stanek, K., Kostrzewa-Rutkowska, Z., Hodgkin, S., Mukai, K., Shappee, B., Jayas-

inghe, T., Rizzo Smith, M., Holoien, T., Prieto, J., Thompson, T. 2022, *The Astrophysical Journal*, 937, 64

**313. The flickering radio jet from the quiescent black hole X-ray binary A0620–00.**

DePolo, D., Plotkin, R., Miller-Jones, J., *Strader, J.*, Maccarone, T., O’Doherty, T., Chomiuk, L., Gallo, E. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 4640

**312. Hubble Space Telescope imaging reveals that SN 2015bh is much fainter than its progenitor.**

Jencson, J., Sand, D., Andrews, J., Smith, N., **Strader, J.**, Aghakhanloo, M., Pearson, J., Valenti, S. 2022, *The Astrophysical Journal Letters*, 935, 33

**311. The MAVERIC Survey: The first radio and X-ray limits on the detached black holes in NGC 3201.**

Paduano, A., Bahramian, A., Miller-Jones, J., Kawka, A., Gottgens, F., *Strader, J.*, Chomiuk, L., Kamann, S., Dreizler, S., Heinke, C., Husser, T., Maccarone, T., Tremou, E., Zhou, Y. 2022, *Monthly Notices of the Royal Astronomical Society*, 510, 3658

**310. An exceptional dimming event for a massive, cool supergiant in M51.**

Jencson, J., Sand, D., Andrews, J., Smith, N., Pearson, J., *Strader, J.*, Valenti, S., Beasor, E., Rothberg, B. 2022, *The Astrophysical Journal*, 930, 81

**309. Gamma-ray eclipses and orbital modulation transitions in the candidate redback 4FGL J1702.7-5655.**

Corbet, R., Chomiuk, L., Coley, J., Dubus, G., Edwards, P., Islam, N., McBride, V., Stevens, J., *Strader, J.*, Swihart, S., Townsend, L. 2022, *The Astrophysical Journal*, 935, 2

**308. OGLE-BLG504.12.201843: A possible extreme dwarf nova.**

Landri, C., Pejcha, O., Pawlak, M., Udalski, A., Prieto, J., Barrientos, M., *Strader, J.*, Dong, D. 2022, *Monthly Notices of the Royal Astronomical Society*, 517, 2746

**307. UGPS J194310.32+183851.8: An unusual optical and X-ray faint cataclysmic variable?**

Morris, C., Maccarone, T., Lucas, P., *Strader, J.*, Britt, C., Miller, N., Swihart, S., Cooper, W., Guo, Z., Drew, J. 2022, *Monthly Notices of the Royal Astronomical Society*, 514, 6002

**306. The 2019 outburst of the 2005 classical nova V1047 Cen: A record breaking dwarf nova outburst or a new phenomenon?**

Aydi, E., Sokolovsky, K., Bright, J., Tremou, E., Nyamai, M., Evans, A., *Strader, J.*, Chomiuk, L., Myers, G., Hamsch, F., Page, K., Buckley, D., Woodward, C., Walter,

F., Mroz, P., Vallety, P., Geballe, T., Banerjee, D., Gehrz, R., Fender, R., Gromadzki, M., Kawash, A., Knigge, C., Mukai, K., Munari, U., Orio, M., Ribeiro, V., Sokoloski, J., Starrfield, S., Udalski, A., Woudt, P. 2022, *The Astrophysical Journal*, 939, 6

**305. Astrometry of variable compact radio sources: A search for Galactic black hole X-ray binaries.**

Atri, P., Miller-Jones, J., Bahramian, A., Plotkin, R., Maccarone, T., Marcote, B., Heinke, C., Sivakoff, G., Ginsburg, A., *Strader, J.*, Chomiuk, L. 2022, *Monthly Notices of the Royal Astronomical Society*, 517, 5810

**304. The first nova eruption in a novalike variable: YZ Ret as seen in X-rays and gamma-rays.**

Sokolovsky, K., Li, K., de Oliveira, R., Ness, J., Mukai, K., Chomiuk, L., Aydi, E., Steinberg, E., Vurm, I., Metzger, B., Babul, A., Kawash, A., Linford, J., Nelson, T., Page, K., Rupen, M., Sokoloski, J., *Strader, J.*, Kilkenny, D. 2022, *Monthly Notices of the Royal Astronomical Society*, 514, 2239

**303. Constraining the progenitor system of the Type Ia supernova 2021aefx.**

Hosseinzadeh, G., Sand, D., Lundqvist, P., Andrews, J., Bostroem, K., Dong, Y., Janzen, D., Jencson, J., Lundquist, M., Meza, N., Pearson, J., Valenti, S., Wyatt, S., Burke, J., Howell, D.A., McCully, C., Newsome, M., Padilla Gonzalez, E., Pellegrino, C., Terreran, G., Kwok, L., Jha, S., *Strader, J.*, Kundu, E., Ryder, S., Haislip, J., Kouprianov, V., Reichart, D. 2022, *The Astrophysical Journal*, 933, 45

**302. Young, blue, and isolated stellar systems in the Virgo Cluster I. 2-D optical spectroscopy.**

Bellazzini, M., Magrini, L., Jones, M., Sand, D., Beccari, G., Cresci, G., Spekkens, K., Karunakaran, A., Adams, E., Zaritsky, D., Battaglia, G., Seth, A., Cannon, J., Fuson, J., Inoue, J., Mutlu-Pakdil, B., Guhathakurta, P., Munoz, R., Bennet, P., Crnojevic, D., Caldwell, N., *Strader, J.*, Toloba, E. 2022, *The Astrophysical Journal*, 935, 50

**301. Young, blue, and isolated stellar systems in the Virgo Cluster. II. A new class of stellar system.**

Jones, M., Sand, D., Bellazzini, M., Spekkens, K., Karunakaran, A., Adams, E., Battaglia, G., Beccari, G., Bennet, P., Cannon, J., Cresci, G., Crnojevic, D., Caldwell, N., Fuson, J., Guhathakurta, P., Haynes, M., Inoue, J., Magrini, L., Munoz, R., Mutlu-Pakdil, B., Seth, A., *Strader, J.*, Toloba, E., Zaritsky, D. 2022, *The Astrophysical Journal*, 935, 51

**300. AGC 226178 and NGVS 3543: Two deceptive dwarfs towards Virgo.**

Jones, M., Sand, D., Bellazzini, M., Spekkens, K., Cannon, J., Mutlu-Pakdil, B., Karunakaran, A., Beccari, G., Magrini, L., Cresci, G., Inoue, J., Fuson, J., Adams, E., Battaglia, G., Bennet, P., Crnojevic, D., Caldwell, N., Guhathakurta, P., Haynes, M., Munoz, R., Seth, A., *Strader, J.*, Toloba, E., Zaritsky, D. 2022, *The Astrophysical*

**299. Optimization of the observing cadence for the Rubin Observatory Legacy Survey of Space and Time: A pioneering process of community-focused experimental design.**

Bianco, F., Ivezić, Z., Jones, R. L., Graham, M., Marshall, P., Saha, A., Strauss, M., Yoachim, P., Ribeiro, T., Anguita, T., Bauer, A., Bauer, F., Bellm, E., Blum, R., Brandt, W., Brough, S., Catelan, M., Clarkson, W., Connolly, A., Gawiser, E., Gizis, J., Hlozek, R., Kaviraj, S., Liu, C., Lochner, M., Mahabal, A., Mandelbaum, R., McGehee, P., Neilsen, E., Olsen, K., Peiris, H., Rhodes, J., Richards, G., Ridgway, S., Schwamb, M., Scolnic, D., Shemmer, O., Slater, C., Slosar, A., Smartt, S., *Strader J.*, Street, R., Trilling, D., Verma, A., Vivas, A. K., Wechsler, R., Willman, B. 2022, *The Astrophysical Journal Supplement Series*, 258, 1

**298. Hubble Space Telescope observations of NGC 253 dwarf satellites: Discovery of three ultra-faint dwarf galaxies.**

Mutlu-Pakdil, B., Sand, D., Crnojevic, D., Jones, M., Caldwell, N., Guhathakurta, P., Seth, A., Simon, J., Spekkens, K., *Strader, J.*, Toloba, E. 2022, *The Astrophysical Journal*, 926, 77

**297. Hubble Space Telescope imaging of isolated Local Volume dwarfs GALFA-Dw3 and Dw4.**

Bennet, P., Sand, D., Crnojevic, D., Weisz, D., Caldwell, N., Guhathakurta, P., Hargis, J., Karunakaran, A., Mutlu-Pakdil, B., Olszewski, E., Salzer, J., Seth, A., Simon, J., Spekkens, K., Stark, D., *Strader, J.*, Tollerud, E., Toloba, E., Willman, B. 2022, *The Astrophysical Journal*, 924, 98

**296. SOAR/Goodman spectroscopic assessment of candidate counterparts of the LIGO/Virgo event GW190814.**

Tucker, D., Wiesner, M., Allam, S., Soares-Santos, M., Bom, C., Butner, M., Garcia, A., Morgan, R., Olivares E., Palmese, A., Santana-Silva, L., Shrivastava, A., Annis, J., García-Bellido, J., Gill, M., Herner, K., Kilpatrick, C., Makler, M., Sherman, N., Amara, A., Lin, H., Smith, M., Swann, E., Arcavi, I., Bachmann, T., Bechtol, K., Berlfein, F., Briceno, C., Brout, D., Butler, R., Cartier, R., Casares, J., Chen, H.-Y., Conselice, C., Contreras, C., Cook, E., Cooke, J., Dage, K., D'Andrea, C., Davis, T., de Carvalho, R., Diehl, H. T., Dietrich, J., Doctor, Z., Drlica-Wagner, A., Drout, M., Farr, B., Finley, D., Fishbach, M., Foley, R., Forster-Buron, F., Fosalba, P., Friedel, D., Frieman, J., Frohmaier, C., Gruendl, R., Hartley, W., Hiramatsu, D., Holz, D., Howell, D., Kawash, A., Kessler, R., Kuropatkin, N., Lahav, O., Lundgren, A., Lundquist, M., Malik, U., Mann, A., Marriner, J., Marshall, J., Martinez-Vazquez, C., McCully, C., Menanteau, F., Meza, N., Narayan, G., Neilsen, E., Nicolaou, C., Nichol, R., Paz-Chinchon, F., Pereira, M., Pineda, J., Points, S., Quirola-Vasquez, J., Rembold, S., Rest, A., Rodriguez, O., Romer, A., Sako, M., Salim, S., Scolnic, D., Smith, J., *Strader, J.*, Sullivan, M., Swanson, M., Thomas, D., Valenti, S., Varga, T., Walker, A., Weller, J., Wood, M., Yanny, B., Zenteno, A., Agüena, M., Andrade-

Oliveira, F., Bertin, E., Brooks, D., Burke, D. L., Rosell, A., Kind, M., Carretero, J., Costanzi, M., da Costa, L., De Vicente, J., Desai, S., Everett, S., Ferrero, I., Flaughner, B., Gaztanaga, E., Gerdes, D., Gruen, D., Gschwend, J., Gutierrez, G., Hinton, S., Hollowood, D., Honscheid, K., James, D., Kuehn, K., Lima, M., Maia, M., Miquel, R., Ogando, R., Pieres, A., Plazas Malagon, A., Rodriguez-Monroy, M., Sanchez, E., Scarpine, V., Schubnell, M., Serrano, S., Sevilla-Noarbe, I., Suchyta, E., Tarle, G., To, C., Zhang, Y. 2022, *The Astrophysical Journal*, 929, 115

**295. The chemical composition of globular clusters in the Local Group.**

Larsen, S., Eitner, O., Magg, E., Bergemann, M., Moltzer, C., Brodie, J., Romanowsky, A., *Strader, J.* 2022, *Astronomy & Astrophysics*, 660, 88

**2021**

**294. Multiwavelength evidence for a new flare-mode transitional millisecond pulsar.**

*Strader, J.*, Swihart, S., Urquhart, R., Chomiuk, L., Aydi, E., Bahramian, A., Kawash, A., Sokolovsky, K., Tremou, E., Udalski, A. 2021, *The Astrophysical Journal*, 917, 69

**293. The MAVERIC Survey: Variable jet–accretion coupling in luminous accreting neutron stars in Galactic globular clusters.**

Panurach, T., *Strader, J.*, Bahramian, A., Chomiuk, L., Miller-Jones, J., Heinke, C., Maccarone, T., Shishkovsky, L., Sivakoff, G., Tremou, E., Tudor, V., Urquhart, R. 2021, *The Astrophysical Journal*, 923, 88

**292. Discovery of a new redback millisecond pulsar candidate: 4FGL J0940.3–7610.**

Swihart, S., *Strader, J.*, Aydi, E., Chomiuk, L., Dage, K., Shishkovsky, L. 2021, *The Astrophysical Journal*, 909, 185

**291. Identifying candidate optical variables using *Gaia* Data Release 2.**

Andrew, S., Swihart, S., *Strader, J.* 2021, *The Astrophysical Journal*, 908, 180

**290. Classical novae masquerading as dwarf novae? Outburst properties of cataclysmic variables with ASAS-SN.**

Kawash, A., Chomiuk, L., *Strader, J.*, Aydi, E., Sokolovsky, K., Jayasinghe, T., Kochanek, C., Schmeer, P., Stanek, K., Mukai, K., Shappee, B., Way, Z., Basinger, C., Holoiën, T., Prieto, J.. 2021, *The Astrophysical Journal*, 910, 120

**289. The loudest stellar heartbeat: Characterizing the most extreme amplitude heartbeat star system.**

Jayasinghe, T., Kochanek, C., *Strader, J.*, Stanek, K., Vallely, P., Thompson, T., Prieto, J., Hinkle, J., Shappee, B., Dupree, A., Auchettl, K., Chomiuk, L., Aydi, E., Dage, K., Hughes, A., Shishkovsky, L., Sokolovsky, K., Swihart, S., Voggel, K.,

Thompson, I. 2021, Monthly Notices of the Royal Astronomical Society, 506, 4083

**288. NGC 5128 globular cluster candidates out to 150 kpc: a comprehensive catalog from Gaia and ground based data.**

Hughes, A., Sand, D., Seth, A., *Strader, J.*, Voggel, K., Dumont, A., Crnojevic, D., Caldwell, N., Forbes, D., Simon, J., Guhathakurta, P., Toloba, E. 2021, The Astrophysical Journal, 914, 16

**287. The MAVERIC survey: Dynamical origin of radio sources in Galactic globular clusters.**

Zhao, Y., Heinke, C., Shishkovsky, L., *Strader, J.*, Chomiuk, L., Maccarone, T., Bahramian, A., Sivakoff, G., Miller-Jones, J., Tremou, E. 2021, Monthly Notices of the Royal Astronomical Society, 914, 77

**286. The MAVERIC Survey: Simultaneous Chandra and VLA observations of the transitional millisecond pulsar candidate NGC 6652B.**

Paduano, A., Bahramian, A., Miller-Jones, J., Kawka, A., *Strader, J.*, Chomiuk, L., Heinke, C., Maccarone, T., Britt, C., Plotkin, R., Shaw, A., Shishkovsky, L., Tremou, E., Tudor, V., Sivakoff, G. 2021, Monthly Notices of the Royal Astronomical Society, 506, 4107

**285. Galactic extinction: How many novae does it hide and how does it affect the Galactic nova rate?**

Kawash, A., Chomiuk, L., Rodriguez, J., Strader, J., Sokolovsky, K., Aydi, E., Kochanek, C., Stanek, K., Mukai, K., De, K., Shappee, B., Holoiien, T., Prieto, J., Thompson, T. 2021, The Astrophysical Journal, 922, 25

**284. Transients from the cataclysmic deaths of cataclysmic variables.**

Metzger, B., Zenati, Y., Chomiuk, L., Shen, K., *Strader, J.* 2021, The Astrophysical Journal, 923, 100

**283. The blue supergiant progenitor of the supernova imposter AT 2019krl.**

Andrews, J., Jencson, J., van Dyk, S., Smith, N., Neustadt, J., Sand, D., Kreckel, K., Kochanek, C., Valenti, S., *Strader, J.*, Bersten, M., Blanc, G., Bostroem, K., Brink, T., Emsellem, E., Filippenko, A., Folatelli, G., Kasliwal, M., Masci, F., McElroy, R., Milisavljevic, D., Santoro, F., Szalai, T. 2021, The Astrophysical Journal, 917, 63

**282. A deep search for faint Chandra X-ray sources, radio sources, and optical counterparts in NGC 6752.**

Cohn, H., Lugger, P., Zhao, Y., Tudor, V., Heinke, C., Cool, A., Anderson, J., *Strader, J.*, Miller-Jones, J. 2021, Monthly Notices of the Royal Astronomical Society, 508, 2823

**281. Classical novae at radio wavelengths.**

Chomiuk, L., Linford, J., Aydi, E., Bannister, K., Krauss, M., Mioduszewski, A.,

Mukai, K., Nelson, T., Rupen, M., Ryder, S., Sokoloski, J., Sokolovsky, K., *Strader, J.* 2021, *The Astrophysical Journal Supplements*, 257, 49

**280. A search for wandering black holes with Gaia and DECaLS.**

Greene, J., Lancaster, L., Ting, Y., Koposov, S., Danieli, S., Huang, S., Jiang, F., Greco, J., *Strader, J.* *The Astrophysical Journal*, 917, 17

**279. Multiwavelength observations reveal a faint candidate black hole X-ray binary in IGR J17285–2922.**

Stoop, M., van den Eijnden, J., Degenaar, N., Bahramian, A., Swihart, S., *Strader, J.*, Jimenez-Ibarra, F., Munoz-Darias, T., Armas Padilla, M., Shaw, A., Maccarone, T., Wijnands, R., Russell, T., Hernandez Santisteban, J., Miller-Jones, J., Russell, D., Maitra, D., Heinke, C., Sivakoff, G. 2021, *Monthly Notices of the Royal Astronomical Society*, 507, 330

**278. Ultraluminous X-ray sources in seven edge-on spiral galaxies.**

Dage, K., Vowell, N., Thygesen, E., Bahramian, A., Haggard, D., Kovelakas, K., Kundu, A., Maccarone, T., *Strader, J.*, Urquhart, R., Zepf, Z. 2021, *Monthly Notices of the Royal Astronomical Society*, 508, 4008

**277. Resolved dwarf galaxy searches within  $\sim 5$  Mpc with the Vera Rubin Observatory and Subaru Hyper Suprime-Cam.**

Mutlu-Pakdil, B., Sand, D., Crnojevic, D., Drlica-Wagner, A., Caldwell, N., Guhathakurta, P., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2021, *The Astrophysical Journal*, 918, 88

**276. CHILES VERDES: Radio variability at an unprecedented depth and cadence in the COSMOS field.**

Sarbadhicary, S., Tremou, E., Stewart, A., Chomiuk, L., Peters, C., Hales, C., *Strader, J.*, Momjian, E., Fender, R., Wilcots, E. 2021, *The Astrophysical Journal*, 923, 31

**275. The Gravity Collective: A search for the electromagnetic counterpart to the neutron star–black hole merger GW190814.**

Kilpatrick, C., Coulter, D., Arcavi, I., Brink, T., Dimitriadis, G., Filippenko, A., Foley, R., Howell, A., Jones, D., Makler, M., Piro, A., Rojas-Bravo, C., Sand, D., Swift, J., Tucker, D., Zheng, W., Allam, S., Annis, J., Antilen, J., Bachmann, T., Bloom, J., Bom, C., Bostroem, K., Brout, D., Burke, J., Butler, R., Butner, M., Campillay, A., Clever, K., Conselice, C., Cooke, J., Dage, K., de Carvalho, R., Jaeger, T., Desai, S., Garcia, A., Garcia-Bellido, J., Gill, M., Girish, N., Hallakoun, N., Herner, K., Hiramatsu, D., Holz, D., Huber, G., Kawash, A., McCully, C., Medallon, S., Metzger, B., Modak, S., Morgan, R., Munoz, R., Munoz-Elgueta, N., Murakami, Y., Olivares E., F., Palmese, A., Patra, K., Pereira, M., Pessi, T., Pineda-Garcia, J., Quirola-Vasquez, J., Ramirez-Ruiz, E., Rembold, S., Rest, A., Rodriguez, O., Santana-Silva, L., Sherman, N., Siebert, M., Smith, C., Smith, J., Soares-Santos, M., Stacey, H., Stahl, B., *Strader, J.*, Strasburger, E., Sunseri, J., Tinyanont, S.,

Tucker, B., Ulloa, N., Valenti, S., Vasylyev, S., Wiesner, M., Zhang, K. 2021, *The Astrophysical Journal*, 923, 258

**274. Hubble Space Telescope observations of two faint dwarf satellites of nearby LMC analogs from MADCASH.**

Carlin, J., Mutlu-Pakdil, B., Crnojevic, D., Garling, C., Karunakaran, A., Peter, A., Tollerud, E., Forbes, D., Hargis, J., Lim, S., Romanowsky, A., Sand, D., Spekkens, K., *Strader, J.* 2021, *The Astrophysical Journal*, 909, 211

**273. Three ultraluminous X-ray sources hosted by globular clusters in NGC 1316.**

Dage, K., Kundu, A., Thygesen, E., Bahramian, A., Haggard, D., Irwin, J., Maccarone, T., Nair, S., Peacock, P., *Strader, J.*, Zepf, S. 2021, *Monthly Notices of the Royal Astronomical Society*, 504, 1545

**272. Searches after gravitational waves using Arizona observatories (SAGUARO): Summary of observations and analysis from Advanced LIGO/Virgo's third observing run.**

Paterson, K., Lundquist, M., Rastinejad, J., Fong, W., Sand, D., Andrews, J., Amaro, R., Eskandari, O., Wyatt, S., Daly, P., Bradley, H., Zhou-Wright, S., Valenti, S., Yang, S., Christensen, E., Gibbs, A., Shelly, F., Bilinski, C., Chomiuk, L., Corsi, A. Drout, M., Foley, R., Gabor, P., Garnavich, P., Grier, C., Hamden, E., Krantz, H., Olszewski, E., Paschalidis, V., Reichart, D., Rest, A., Smith, N., *Strader, J.*, Trilling, D., Veillet, C., Wagner, R., Zabludoff, A. 2021, *The Astrophysical Journal*, 912, 128

**271. The *Swift* Bulge Survey: Motivation, strategy, and first X-ray results.**

Bahramian, A., Heinke, C., Kennea, J., Maccarone, T., Evans, P., Wijnands, R., Degenaar, N., in't Zand, J., Shaw, A., Rivera Sandoval, L., McClure, S., Tetarenko, A., *Strader, J.*, Kuulkers, E., Sivakoff, G. 2021, *Monthly Notices of the Royal Astronomical Society*, 501, 2790

**270. Dynamical modeling of CXOGBS J175553.2-281633: A 10 hour long orbital period cataclysmic variable.**

Gomez, S., Torres, M., Jonker, P., Kostrzewa-Rutkowska, Z., van Grunsven, T., Udalski, A., Hynes, R., Heinke, C., Maccarone, T., Salinas, R., *Strader, J.* 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 48

**269. Radio light curves and imaging of helium nova V445 Pup reveal seven years of synchrotron emission.**

Nyamai, M., Chomiuk, L., Ribeiro, V., Woudt, P., *Strader, J.*, Sokolovsky, K., Rupen, M. 2021, *Monthly Notices of the Royal Astronomical Society*, 501, 1394

**268. Eridanus II: A fossil from reionization with an off-center star cluster.**

Simon, J., Brown, T., Drlica-Wagner, A., Li, T., Avila, R., Bechtol, K., Clementini, G., Crnojevic, D., Garofalo, A., Geha, M., Sand, D., *Strader, J.*, Willman, B. 2021,

**267. The early discovery of SN 2017ahn: signatures of persistent interaction in a fast declining Type II supernova.**

Tartaglia, L., Sand, D., Groh, J., Valenti, S., Wyatt, S., Bostroem, K., Brown, P., Yang, S., Burke, J., Chen, T. -W., Davis, S., Forster, F., Galbany, L., Haislip, J., Hiramatsu, D., Hosseinzadeh, G., Howell, D.A., Hsiao, E., Jha, S., Kouprianov, V., Kuncarayakti H., Lyman, J., McCully, C., Phillips, M., Rau, A., Reichart, D., Shahbandeh, M., *Strader, J.* 2021, The Astrophysical Journal, 907, 52

**2020**

**266. Intermediate-mass black holes.**

Greene, J., *Strader, J.*, Ho, L. 2020, Annual Reviews of Astronomy & Astrophysics, 58, 257

**265. The MAVERIC Survey: Radio catalogs and source counts from deep Very Large Array imaging of 25 Galactic globular clusters.**

Shishkovsky, L., *Strader, J.*, Chomiuk, L., Tremou, E., Tudor, T., Miller-Jones, J., Bahramian, A., Heinke, C., Maccarone, T., Sivakoff, G. 2020, The Astrophysical Journal, 903, 73

**264. Multiwavelength follow-up of the hyperluminous intermediate-mass black hole candidate 3XMM J215022.4–055108.**

Lin, D., *Strader, J.*, Romanowsky, A., Irwin, J., Godet, O., Barret, D., Webb, N., Homan, J., Remillard, R. 2020, The Astrophysical Journal Letters, 892, 25

**263. The MAVERIC Survey: Chandra/ACIS catalog of faint X-Ray sources in 38 Galactic globular clusters.**

Bahramian, A., *Strader, J.*, Miller-Jones, J., Chomiuk, L., Heinke, C., Maccarone, T., Pooley, D., Shishkovsky, L., Tudor, V., Zhao, Y., Li, K., Sivakoff, G., Tremou, E., Buchner, J. 2020, The Astrophysical Journal, 901, 57

**262. A new likely redback millisecond pulsar binary with a massive neutron star: 4FGL J2333.1–5527.**

Swihart, S., *Strader, J.*, Urquhart, R., Orosz, J., Shishkovsky, L., Chomiuk, L., Salinas, R., Aydi, E., Dage, K., Kawash, A., 2020, The Astrophysical Journal, 892, 21

**261. The flare-dominated accretion mode of a radio-bright candidate transitional millisecond pulsar.**

Li, K., *Strader, J.*, Miller-Jones, J., Heinke, C., Chomiuk, L. 2020, The Astrophysical Journal, 895, 89

**260. A new candidate transitional millisecond pulsar in the sub-luminous disk state: 4FGL J0407.7–5702.**

Miller, J., Swihart, S., *Strader, J.*, Urquhart, R., Aydi, E., Chomiuk, L., Dage, K., Kawash, A., Shishkovsky, L., Sokolovsky, K. 2020, *The Astrophysical Journal*, 904, 49

**259. The MAVERIC Survey: New compact binaries revealed by deep radio continuum observations of the Galactic globular cluster Terzan 5.**

Urquhart, R., Bahramian, A., *Strader, J.*, Chomiuk, L., Ransom, S., Wang, Y., Heinke, C., Tudor, T., Miller-Jones, J., Tetarenko, A., Maccarone, T., Sivakoff, G., Shishkovsky, L., Swihart, S., Tremou, E. 2020, *The Astrophysical Journal*, 904, 147

**258. On the black hole content and initial mass function of 47 Tuc.**

Hénault-Brunet, V., Gieles, M., *Strader, J.*, Peuten, M., Balbinot, E., Douglas, K. 2020, *Monthly Notices of the Royal Astronomical Society*, 491, 113

**257. Surprisingly strong K-band emission found in low luminosity active galactic nuclei.**

Dumont, A., Seth, A., *Strader, J.*, Greene, J., Burtscher, L., Neumayer, N. 2020, *The Astrophysical Journal*, 888, 19

**256. GS 2000+25: The least luminous black hole X-ray binary.**

Rodriguez, J., Urquhart, R., Plotkin, R., Panurach, T., Chomiuk, L., *Strader, J.*, Miller-Jones, J., Gallo, E., Sivakoff, G. 2020, *The Astrophysical Journal*, 889, 58

**255. Early spectral evolution of classical novae: Consistent evidence for multiple distinct outflows.**

Aydi, E., Chomiuk, L., Izzo, L., Harvey, E., Leahy-McGregor, J., *Strader, J.*, Buckley, D., Sokolovsky, K., Kawash, A., Kochanek, C., Linford, J., Metzger, B., Mukai, K., Orio, M., Shappee, B., Shishkovsky, L., Steinberg, E., Swihart, S., Sokoloski, J., Walter, F., Williams, R., Woudt, P. 2020, *The Astrophysical Journal*, 905, 62

**254. *Fermi*-LAT observations of V549 Vel 2017: A sub-luminous  $\gamma$ -ray nova?**

Li, K., Hamsch, F., Munari, U., Metzger, B., Chomiuk, L., Frigo, A., *Strader, J.* 2020, *The Astrophysical Journal Letters*, 905, 114

**253. A deep *Chandra* survey for faint X-ray sources in the Galactic globular cluster M30, and searches for optical and radio counterparts.**

Zhao, Y., Heinke, C., Cohn, H., Lugger, P., Guillot, S., Echiburu, C., Shishkovsky, L., *Strader, J.*, Chomiuk, L., Tremou, E., Bahramian, A., Miller-Jones, J., Maccarone, T., Sivakoff, G. 2020, *Monthly Notices of the Royal Astronomical Society*, 499, 3338

**252. The elusive distance gradient in the ultra-faint dwarf galaxy Hercules: A combined Hubble Space Telescope and Gaia view.**

Mutlu-Pakdil, B., Sand, D., Crnojevic, D., Olszewski, E., Caldwell, N., Collins, M., McLeod, B., Seth, A., *Strader, J.*, Willman, B., Zaritsky, D. 2020, *The Astrophysical*

**251. X-Ray spectroscopy of newly identified ULXs associated with M87's globular cluster population.**

Dage, K., Zepf, S., Thygesen, E., Bahramian, A., Kundu, A., Maccarone, T., Peacock, M., *Strader, J.* 2020, Monthly Notices of the Royal Astronomical Society, 497, 596

**250. The assembly history of M87 through radial variations in chemical abundances of its field star and globular cluster populations.**

Villaume, A., Foreman-Mackey, D., Romanowsky, A., Brodie, J., *Strader, J.* 2020, The Astrophysical Journal, 900, 95

**249. Uncovering the orbit of the Hercules dwarf galaxy.**

Gregory, A., Collins, M., Erkal, D., Tollerud, E., Delorme, M., Hill, L., Sand, D., *Strader, J.*, Willman, B. 2020, Monthly Notices of the Royal Astronomical Society, 496, 1092

**248. The MAVERIC survey: A hidden pulsar and a black hole candidate in ATCA radio imaging of the globular cluster NGC 6397.**

Zhao, Y., Heinke, C., Tudor, V., Bahramian, A., Miller-Jones, J., Sivakoff, G., *Strader, J.*, Chomiuk, L., Shiskovsky, L., Maccarone, T., Marcano, M., Gelfand, J. 2020, Monthly Notices of the Royal Astronomical Society, 493, 6033

**247. The most rapidly-declining Type I supernova 2019bkc/ATLAS19dqr.**

Chen, P., Dong, S., Stritzinger, M., Holmbo, S., *Strader, J.*, Kochanek, C., Peng, E., Benetti, S., Bersier, D., Brownsberger, S., Buckley, D., Gromadzki, M., Moran, S., Pastorello, A., Aydi, E., Bose, S., Connor, T., Elias-Rosa, N., French, K. D., Holoién, T., Mattila, S., Shappee, B., Stark, A., Swihart, S. 2020, The Astrophysical Journal, 889, 6

**246. X-ray spectroscopy of the gamma-ray brightest nova V906 Car (ASASSN-18fv).**

Sokolovsky, K., Mukai, K., Chomiuk, L., Lopes de Oliveira, R., Aydi, E., Li, K., Steinberg, E., Vurm, I., Metzger, B., Kawash, A., Linford, J., Mioduszewski, A., Nelson, T., Ness, J., Page, K., Rupen, M., Sokoloski, J., *Strader, J.* 2020, Monthly Notices of the Royal Astronomical Society, 497, 2569

**245. A *Gaia*-based catalog of candidate stripped nuclei and luminous globular clusters in the halo of Centaurus A.**

Vogel, K., Seth, A., Sand, D., Hughes, A., *Strader, J.*, Crnojevic, D., Caldwell, N. 2020, The Astrophysical Journal, 899, 140

**244. The Swift Bulge Survey: Optical & near-IR follow-up featuring a likely symbiotic X-ray binary & a focused wind CV.**

Shaw A., Heinke C., Maccarone T., Sivakoff G., *Strader J.*, Bahramian A., Degenaar

N., Kennea J., Kuulkers E., Rau A., Rivera Sandoval L., Shishkovsky L., Swihart S., Tetarenko A., Wijnands R., in 't Zand J. 2020, Monthly Notices of the Royal Astronomical Society, 492, 4344

**243. Direct evidence for shock-powered optical emission in a nova.**

Aydi, E., Sokolovsky, K., Chomiuk, L., Steinberg, E., Li, K., Vurm, I., Metzger, B., Strader, J., Mukai, K., Pejcha, O., Shen, K., Wade, G., Kuschnig, R., Moffat, A., Pablo, H., Pigulski, A., Popowicz, A., Weiss, W., Zwintz, K., Izzo, L., Pollard, K., Handler, G., Ryder, S., D Filipovic, M., Alsaberi, R., Manojlovic, P., de Oliveira, R., Walter, F., Vallyly, P., Buckley, D., Brown, M., Harvey, E., Kawash, A., Kniazhev, A., Kochanek, C., Linford, J., Mikolajewska, J., Molaro, P., Orio, M., Page, K., Shappee, B., Sokoloski, J. 2020, Nature Astronomy, 4, 776

**2019**

**242. Optical spectroscopy and demographics of redback millisecond pulsar binaries.**

Strader, J., Swihart, S., Chomiuk, L. Bahramian, A., Britt, C., Cheung, C., Dage, K., Halpern, J., Li, K., Mignani, R., Orosz, J., Peacock, M., Salinas, R., Shishkovsky, L., Tremou, E. 2019, The Astrophysical Journal, 872, 42

**241. PSR J1306–40: An X-ray luminous redback with an evolved companion.**

Swihart, S., Strader, J., Chomiuk, L., Shishkovsky, L. 2019, The Astrophysical Journal, 876, 8

**240. Lessons from the curious case of the “fastest” star in Gaia DR2.**

Boubert, D., Strader, J., Aguado, D., Seabroke, G., Koposov, S., Sanders, J., Swihart, S., Chomiuk, L., Evans, N. 2019, Monthly Notices of the Royal Astronomical Society, 486, 2618

**239. The optical afterglow of GW170817: An off-axis structured jet and deep constraints on a globular cluster origin.**

Fong, W., Blanchard, P., Alexander, K., Strader, J., Margutti, R., Hajela, A., Villar, V. A., Wu, Y., Ye, C. S., Berger, E., Chornock, R., Coppejans, D., Cowperthwaite, P., Eftekhari, T., Giannios, D., Guidorzi, C., Kathirgamaraju, A. Laskar, T., MacFadyen, A., Metzger, B., Nicholl, M., Paterson, K., Terreran, G., Sand, D., Sironi, L., Williams, P., Xie, X, Zrake, J. 2019, The Astrophysical Journal Letters, 883, 1

**238. Tidal destruction in a low mass galaxy environment: the discovery of tidal tails around DDO 44.**

Carlin, J., Garling, C., Peter, A., Crnojevic, D., Forbes, D., Hargis, J., Mutlu-Pakdil, B., Pucha, R., Romanowsky, A., Sand, D., Spekkens, K., Strader, J., Willman, B. 2019, The Astronomical Journal, 886, 109

**237. Signatures of tidal disruption in ultra-faint dwarf galaxies: A combined HST, Gaia, and MMT/Hectochelle study of Leo V.**

Mutlu-Pakdil, B., Sand, D., Walker, M., Caldwell, N., Carlin, J., Collins, M., Crnojevic, D., Mateo, M., Olszewski, E., Seth, A., *Strader, J.*, Willman, B., Zaritsky, D. 2019, *The Astrophysical Journal*, 885, 53

**236. SN 2017gmr: An energetic Type II-P supernova with asymmetries.**

Andrews, J., Sand, D., Valenti, S., Smith, N., Dastidar, R., Sahu, D., Misra, K., Singh, A., Hiramatsu, D., Brown, P., Hosseinzadeh, G., Wyatt, S., Vinko, J., Anupama, G., Arcavi, I., Ashall, C., Benetti, S., Berton, M., Bostroem, K., Bulla, M., Burke, J., Chen, S., Chomiuk, L., Cikota, A., Congiu, E., Cseh, B., Davis, S., Elias-Rosa, N., Faran, T., Fraser, M., Galbany, L., Gall, C., Gal-Yam, A., Gangopadhyay, A., Gromadzki, M., Haislip, J., Howell, A., Hsiao, E., Inserra, C., Kankare, E., Kuncarayakti, H., Kouprianov, V., Kumar, B., Li, X., Lin, H., Maguire, K., Mazzali, P., McCully, C., Milne, P., Mo, J., Morrell, N., Nicholl, M., Ochner, P., Olivares, F., Pastorello, A., Patat, F., Phillips, M., Pignata, G., Prentice, S., Reguitti, A., Reichart, D., Rodriguez, O., Rui, L., Sanwal, P., Sarneczky, K., Shahbandeh, M., Singh, M., Smartt, S., *Strader, J.*, Stritzinger, M., Szakats, R., Tartaglia, L., Wang, H., Wang, L., Wang, X., Wheeler, J., Xiang, D., Yaron, O., Young, D., Zhang, J. 2019, *The Astrophysical Journal*, 885, 43

**235. Discovery of the Galactic high-mass gamma-ray binary 4FGL J1405.1–6119.**

Corbet, R., Chomiuk, L., Coe, M., Coley, J., Dubus, G., Edwards, P., Martin, P., McBride, V., Stevens, J., *Strader, J.*, Townsend, L. 2019, *The Astrophysical Journal*, 884, 93

**234. Slow decline and rise of the broad [OIII] emission line in globular cluster black hole candidate RZ2109.**

Dage, K., Zepf, S., Bahramian, A., *Strader, J.*, Maccarone, T., Peacock, M., Kundu, A., Steele, M., Britt, C. 2019, *Monthly Notices of the Royal Astronomical Society*, 489, 4783

**233. Searches after gravitational-waves using Arizona observatories (SAGUARO): System overview and first results from Advanced LIGO / Virgo’s third observing run.**

Lundquist, M., Paterson, K., Fong, W., Sand, D., Andrews, J., Shivaiei, I., Daly, P., Valenti, S., Yang, S., Christensen, E., Gibbs, A., Shelly, F., Wyatt, S., Kuhn, O., Amaro, R., Arcavi, I., Behroozi, P., Butler, N., Chomiuk, L., Corsi, A., Drout, M., Fan, X., Foley, R., Gabor, P., Green, E., Grier, C., Guzman, F., Hamden, E., Howell, D., Jannuzi, B., Kelly, P., Milne, P., Moe, M., Nugent, A., Olszewski, E., Palazzi, E., Paschalidis, V., Psaltis, D., Reichart, D., Rest, A., Rossi, A., Schroeder, G., Smith, P., Smith, N., Spekkens, K., *Strader, J.*, Stark, D., Trilling, D., Veillet, C., Wagner, M., Weiner, B., Wheeler, J., Williams, G., Zabludoff, A. 2019, *The Astrophysical Journal Letters*, 881, 26

**232. The SLUGGS Survey: Measuring globular cluster ages using both photometry and spectroscopy.**

Usher, C., Brodie, J., Forbes, D., Romanowsky, A., *Strader, J.*, Pfeffer, J., Bastian, N. 2019, Monthly Notices of the Royal Astronomical Society, 490, 491

**231. Discovery and early evolution of ASASSN-19bt, the first TDE detected by TESS.**

Holoien, T., Valley, P., Auchettl, K., Stanek, K. Kochanek, C., French, K. D., Prieto, J., Shappee, B., Brown, J., Fausnaugh, M., Dong, S., Thompson, T., Bose, S., Neustadt, J., Cacella, P., Brimacombe, J., Kendurkar, M., Beaton, R., Boutsia, K., Chomiuk, L., Connor, T., Morrell, N., Newman, A., Rudie, G., Shishkovsky, L., *Strader, J.*, 2019, The Astrophysical Journal, 883, 111

**230. New constraints on early-type galaxy assembly from spectroscopic metallicities of globular clusters in M87.**

Villaume, A., Romanowsky, A., Brodie, J., *Strader, J.* 2019, The Astrophysical Journal, 879, 45

**229. Partly burnt runaway stellar remnants from peculiar thermonuclear supernovae.**

Raddi, R., Hollands, M., Koester, D., Hermes, J., Gansicke, B., Heber, U., Shen, K., Townsley, D., Pala, A., Reding, J., Toloza, O., Pelisoli, I., Geier, S., Gentile Fusillo, N., Munari, U., *Strader, J.* 2019, Monthly Notices of the Royal Astronomical Society, 489, 1489

**228. Hyper wide field imaging of the Local Group dwarf irregular galaxy IC 1613: An extended component of metal-poor stars.**

Pucha, R., Carlin, J., Willman, B., *Strader, J.*, Sand, D., Bechtol, K., Brodie, J., Crnojevic, D., Forbes, D., Garling, C., Hargis, J., Peter, A., Romanowsky, A. 2019, The Astronomical Journal, 880, 104

**227. Unconventional origin of supersoft X-ray emission from a white dwarf binary.**

Maccarone, T., Nelson, T., Brown, P., Mukai, K., Charles, P., Rajoelimanana, A., Buckley, D., *Strader, J.*, Chomiuk, L., Britt, C., Jha, S., Mroz, P., Udalski, A., Szymanski, M., Soszynski, I., Poleski, R., Kozłowski, S., Pietrukowicz, P., Skowron, J., Ulaczyk, K. 2019, Nature Astronomy, 3, 173

**226. Radio variability from a quiescent stellar mass black hole jet.**

Plotkin, R., Miller-Jones, J., Chomiuk, L., *Strader, J.*, Bruzewski, S., Bundas, A., Smith, K., Ruan, J. 2019, The Astrophysical Journal, 874, 13

**225. Improved dynamical constraints on the masses of the central black holes in nearby low-mass early-type galactic nuclei and the first black hole determination for NGC 205.**

Nguyen, D., Seth, A., Neumayer, N., Iguchi, S., Cappellari, M., *Strader, J.*, Chomiuk, L., Tremou, E., Pacucci, F., Nakanishi, K., Bahramian, A., Nguyen, P., den Brok, M., Ahn, C., Voggel, K., Kacharov, N., Tsukui, T., Takafumi, N., Ly, C., Dumont, A., Pechetti, R. 2019, *The Astrophysical Journal*, 872, 104

**224. The faint end of the Centaurus A satellite luminosity function.**

Crnojevic, D., Sand, D., Bennet, P., Pasetto, S., Spekkens, K., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2019, *The Astrophysical Journal*, 872, 80

**223. The ASAS-SN bright supernova catalog—IV. 2017.**

Holoien, T., Brown, J., Vallely, P., Stanek, K., Kochanek, C., Shappee, B., Prieto, J., Dong, S., Brimacombe, J., Bishop, D., Bose, S., Beacom, J., Bersier, D., Chen, P., Chomiuk, L., Falco, E., Jayasinghe, T., Morrell, N., Pojmanski, G., Shields, J., *Strader, J.*, Stritzinger, M., Thompson, T., Wozniak, P., Cacella, P., Carballo, J., Conseil, E., Cruz, I., Farfan, R., Fernandez, J., Kiyota, S., Koff, R., Krannich, G., Marples, P., Masi, G., Monard, L., Nicholls, B., Nicolas, J., Post, R., Stone, G., Trappett, D., Wiethoff, W. 2019, *Monthly Notices of the Royal Astronomical Society*, 484, 1899

**2018**

**222. A multi-wavelength view of the neutron star binary 1FGL J1417.7–4402: A progenitor to canonical millisecond pulsars.**

Swihart, S., *Strader, J.*, Shishkovsky, L., Chomiuk, L., Bahramian, A., Heinke, C., Miller-Jones, J., Edwards, P., Cheung, C. 2018, *The Astrophysical Journal*, 866, 83

**221. The MAVERIC survey: A transitional millisecond pulsar candidate in Terzan 5.**

Bahramian, A., *Strader, J.*, Chomiuk, L., Heinke, C., Miller-Jones, J., Degenaar, N., Tetarenko, A., Tudor, V., Tremou, E., Shishkovsky, L., Wijnands, R., Maccarone, T., Sivakoff, G., Ransom, S. 2018, *The Astrophysical Journal*, 864, 28

**220. A complete census of luminous stellar variability on day to decade timescales.**

Conroy, C., *Strader, J.*, van Dokkum, P., Dolphin, A., Weisz, D., Murphy, J., Dotter, A., Johnson, B., Cargile, P. 2018, *The Astrophysical Journal*, 864, 111

**219. The MAVERIC Survey: Still no evidence for accreting intermediate-mass black holes in globular clusters.**

Tremou, E., *Strader, J.*, Chomiuk, L., Shishkovsky, L., Maccarone, T., Miller-Jones, J., Tudor, V., Heinke, C., Sivakoff, G., Seth, A., Noyola, E. 2018, *The Astrophysical Journal*, 862, 16

**218. A luminous X-ray outburst from an intermediate-mass black hole in**

**an off-centre star cluster.**

Lin, D., *Strader, J.*, Carrasco, E., Page, D., Romanowsky, A., Homan, J., Irwin, J., Remillard, R., Godet, O., Webb, N., Baumgardt, H., Wijnands, R., Barret, D., Duc, P., Brodie, J., Gwyn, S. 2018, *Nature Astronomy*, 2, 656

**217. The MAVERIC Survey: A red straggler binary with an invisible companion in the Galactic globular cluster M10.**

Shishkovsky, L., *Strader, J.*, Chomiuk, L., Bahramian, A., Tremou, E., Li, K., Salinas, R., Tudor, V., Miller-Jones, J., Maccarone, T., Heinke, C., Sivakoff, G. 2018, *The Astrophysical Journal*, 815, 55

**216. Multiwavelength follow-up observations of the tidal disruption event candidate 2XMMi J184725.1-631724.**

Lin, D., *Strader, J.*, Carrasco, E., Godet, O., Grupe, D., Webb, N., Barret, D., Irwin, J. 2018, *Monthly Notices of the Royal Astronomical Society*, 474, 3000

**215. Evidence on the orbital modulated gamma-ray emissions from the redback candidate 3FGL J2039.6-5618.**

Ng, C., Takata, J., *Strader, J.*, Li, K., Cheng, K. 2018, *The Astrophysical Journal*, 867, 9

**214. ASASSN-18ey: The rise of a new black-hole X-ray binary.**

Tucker, M., Shappee, B., Holoien, T., Auchettl, K., *Strader, J.*, Stanek, K., Kochanek, C., Bahramian, A., Dong, S., Prieto, J., Thompson, T., Beacom, J., Chomiuk, L., Denneau, L., Flewelling, H., Heinze, A., Smith, K., Stalder, B., Tonry, J., Weiland, H., Rest, A., Huber, M., Rowan, D., Dage, K. 2018, *The Astrophysical Journal Letters*, 867, 9

**213. Multi-wavelength observations of a new redback millisecond pulsar candidate: 3FGL J0954.8-3948.**

Li, K., Hou, X., *Strader, J.*, Takata, J., Kong, A., Chomiuk, L., Swihart, S., Hui, C., Cheng, K. 2018, *The Astrophysical Journal*, 863, 194

**212. Hubble Space Telescope FUV observations of M31's globular clusters suggest a spatially homogeneous helium-enriched sub population.**

Peacock, M., Zepf, S., Maccarone, T., Kundu, A., Knigge, C., Dieball, A., *Strader, J.* 2018, *Monthly Notices of the Royal Astronomical Society*, 481, 3313

**211. Three hypervelocity white dwarfs in Gaia DR2: Evidence for dynamically driven double-degenerate double-detonation Type Ia Supernovae.**

Shen, K., Boubert, D., Gansicke, B., Jha, S., Andrews, J., Chomiuk, L., Foley, R., Fraser, M., Gromadzki, M., Guillochon, J., Kotze, M., Maguire, K., Siebert, M., Smith, N., *Strader, J.*, Badenes, C., Kerzendorf, W., Koester, D., Kromer, M., Miles, B., Pakmor, R., Schwab, J., Toloza, O., Toonen, S., Townsley, D. 2018, *The Astrophysical Journal*, 865, 15

**210. The SLUGGS Survey: The inner dark matter density slope of the massive elliptical galaxy NGC 1407.**

Wasserman, A., Romanowsky, A., Brodie, J., van Dokkum, P., Conroy, C., Villaume, A., Forbes, D., *Strader, J.*, Alabi, A., Bellstedt, S. 2018, *The Astrophysical Journal*, 863, 130

**209. Multiwavelength observations of V407 Lupi (ASASSN-16kt)—a very fast nova erupting in an intermediate-polar.**

Aydi, E., Orio, M., Beardmore, A., Ness, J.-U., Page, K., Kuin, P., Walter, F., Buckley, D., Mohamed, S., Whitelock, P., Osborne, J., *Strader, J.*, Chomiuk, L., Darnley, M., Dobrotka, A., Kniazev, A., Miszalski, B., Myers, G., Ospina, N., Henze, M., Starrfield, S., Woodward, C. 2018, *Monthly Notices of the Royal Astronomical Society*, 480, 572

**208. Revisiting hypervelocity stars after Gaia DR2.**

Boubert, D., Guillochon, J., Hawkins, K., Ginsburg, I., Evans, N., *Strader, J.* 2018, *Monthly Notices of the Royal Astronomical Society*, 479, 2789

**207. A 3.5 million solar masses black hole in the centre of the ultracompact dwarf galaxy Fornax UCD3.**

Afanasiev, A., Chilingarian, I., Mieske, S., Voggel, K., Picotti, A., Hilker, M., Seth, A., Neumayer, N., Frank, M., Romanowsky, A., Hau, G., Baumgardt, H., Ahn, C., *Strader, J.*, den Brok, M., McDermid, R., Spitler, L., Brodie, J., Walsh, J. 2018, *Monthly Notices of the Royal Astronomical Society*, 477, 4856

**206. The black hole in the most massive ultracompact dwarf galaxy M59-UCD3.**

Ahn, C., Seth, A., Cappellari, M., Krajnovic, D., *Strader, J.*, Voggel, K., Walsh, J., Bahramian, A., Baumgardt, H., Brodie, J., Chilingarian, I., Chomiuk, L., den Brok, M., Frank, M., Hilker, M., McDermin, R., Mieske, S., Neumayer, N., Nguyen, D., Pechetti, R., Romanowsky, A., Spitler, L. 2018, *The Astrophysical Journal*, 858, 102

**205. Upper limits on the presence of central massive black holes in two ultra-compact dwarf galaxies in Centaurus A.**

Voggel, K., Seth, A., Neumayer, N., Mieske, S., Chilingarian, O., Ahn, C., Baumgardt, H., Hilker, M., Nguyen, D., Romanowsky, A., Walsh, J., den Brok, M., *Strader, J.* 2018, *The Astrophysical Journal*, 858, 20

**204. A high-precision trigonometric parallax to an ancient metal-poor globular cluster.**

Brown, T., Casertano, S., *Strader, J.*, Riess, A., Vandenberg, D., Soderblom, D., Kalirai, J., Salinas, R. 2018, *The Astrophysical Journal Letters*, 856, 6

**203. HST spectrum and timing of the ultra-compact X-ray binary candidate 47 Tuc X9.**

Tudor, V., Miller-Jones, J., Knigge, C., Maccarone, T., Tauris, T., Bahramian, A., Chomiuk, L., Heinke, C., Sivakoff, G., *Strader, J.*, Plotkin, R., Soria, R., Albrow, M., Anderson, G., van den Berg, M., Bernardini, F., Britt, C., Russell, D., Zurek, D. 2018, *Monthly Notices of the Royal Astronomical Society*, 476, 1889

**202. Stellar variability at the main sequence turnoff of the intermediate-age LMC cluster NGC 1846.**

Salinas, R., Pajkos, M., Vivas, K., *Strader, J.*, Contreras Ramos, R. 2018, *The Astronomical Journal*, 155, 183

**201. IGR J17329-2731: The birth of a symbiotic X-ray binary.**

Bozzo, E., Bahramian, A., Ferrigno, C., Sanna, A., *Strader, J.*, Lewis, F., Russell, D., di Salvo, T., Burderi, L., Riggio, A., Papitto, A., Gandhi, P., Romano, P. 2018, *Astronomy & Astrophysics*, 613, 22

**200. A radio frequency study of the accreting millisecond X-ray pulsar, IGR J16597-3704, in the globular cluster NGC 6256.**

Tetarenko, A., Bahramian, A., Heinke, C., Maccarone, T., Miller-Jones, J., *Strader, J.*, Chomiuk, L., Degenaar, N., Sivakoff, G., Altamirano, D., Deller, A., Kennea, J., Plotkin, R., Russell, T. D., Shaw, A. 2018, *The Astrophysical Journal*, 854, 125

**199. Detailed abundance analysis of globular clusters in the Local Group. NGC 147, NGC 6822, and Messier 33.**

Larsen, S., Brodie, J., Wasserman, A., *Strader, J.* 2018, *Astronomy & Astrophysics*, 613, 56

**198. Multiwavelength observations of nova SMCN 2016-10a—one of the brightest novae ever observed.**

Aydi, E., Page, K., Kuin, N., Darnley, M., Walter, F., Mroz, P., Buckley, D., Mohamed, S., Whitelock, P., Woudt, P., Williams, S., Orio, M., Williams, R., Beardmore, Osborne, J., Kniazev, A., Ribeiro, V., Udalski, A., *Strader, J.*, Chomiuk, L. 2018, *Monthly Notices of the Royal Astronomical Society*, 474, 2679

**197. The ultraviolet spectroscopic evolution of the low-luminosity tidal disruption event iPTF16fnl.**

Brown, J., Kochanek, C., Holoiu, T., Stanek, K., Auchettl, K., Shappee, B., Prieto, J., Morrell, N., Falco, E., *Strader, J.*, Chomiuk, L., Post, R., Villanueva, S., Mathur, S., Dong, S., Chen, P., Bose, S. 2018, *Monthly Notices of the Royal Astronomical Society*, 473, 1130

**196. Mapping the tidal destruction of the Hercules dwarf: A wide-field DECam imaging search for RR Lyrae.**

Garling, C., Willman, B., Sand, D., Hargis, J., Crnojevic, D., Bechtol, K., Carlin, J., *Strader, J.*, Zou, H., Zhou, X., Nie, J., Zhang, T., Zhou, Z., Peng, X. 2018, *The Astrophysical Journal*, 852, 44

2017

195. **Formation constraints indicate a black-hole accretor in 47 Tuc X9.**

Church, R., *Strader, J.*, Davies, M., Bobrick, A. 2017, *The Astrophysical Journal Letters*, 851, 4

194. **2FGL J0846.0+2820: A new neutron star binary with a giant secondary and variable  $\gamma$ -ray emission.**

Swihart, S., *Strader, J.*, Johnson, T., Cheung, C., Sand, D., Chomiuk, L., Wasserman, A., Larsen, S., Brodie, J., Simonian, G., Tremou, E., Shishkovsky, L., Reichart, D., Haislip, J. 2017, *The Astrophysical Journal*, 851, 31

193. **A nova outburst powered by shocks.**

Li, K., Metzger, B., Chomiuk, L., Vurm, I., *Strader, J.*, Finzell, T., Beloborodov, A., Nelson, T., Shappee, B., Kochanek, C., Prieto, J., Kafka, S., Holoien, T., Thompson, T., Luckas, P., Itoh, H. 2017, *Nature Astronomy*, 1, 697

192. **Orbital dynamics of the candidate transitional millisecond pulsar 3FGL J1544.6-1125: An unusually face-on system.**

Britt, C., *Strader, J.*, Chomiuk, L., Tremou, E., Peacock, M., Halpern, J., Salinas, R. 2017, *The Astrophysical Journal*, 849, 21

191. **A faint globular cluster in the dwarf galaxy Andromeda I.**

Caldwell, N., *Strader, J.*, Sand, D., Willman, B., Seth, A. 2017, *Publications of the Astronomical Society of Australia*, 34, 39

190. **A likely redback millisecond pulsar counterpart of 3FGL J0838.8-2829.**

Halpern, J., *Strader, J.*, Li, M. 2017, *The Astrophysical Journal*, 844, 150

189. **The electromagnetic counterpart of the binary neutron star merger LIGO/VIRGO GW170817. III. Optical and UV spectra of a blue kilonova form fast polar ejecta.**

Nicholl, M., Berger, E., Kasen, D., Metzger, B., Elias, J., Briceno, C., Alexander, K., Blanchard, P., Chornock, R., Cowperthwaite, P., Eftekhari, T., Fong, W., Margutti, R., Villar, V., Williams, P., Brown, W., Annis, J., Bahramian, A., Brout, D., Brown, D., Chen, H., Clemens, J. C., Dennihy, E., Dunlap, B., Holz, D., Marchesini, E., Massaro, F., Moskowitz, N., Pelisoli, I., Rest, A., Ricci, F., Sako, M., Soares-Santos, M., *Strader, J.* 2017, *The Astrophysical Journal Letters*, 848, 18

188. **Optical spectroscopic observations of gamma-ray blazar candidates. VII. Follow-up campaign in the southern hemisphere.**

Pena-Herazo, H., Marchesini, E., Alvarez Crespo, N., Ricci, F., Massaro, F., Chavushyan, V., Landoni, M., *Strader, J.*, Chomiuk, L., Cheung, C. C., Masetti, N., Jimenez-Bailon, E., D'Abrusco, R., Paggi, A., Milisavljevic, D., La Franca, F., Smith, H., Tosti, G. 2018, *Ap&SS*, 362, 228

187. **Deep Subaru Hyper Suprime-Cam observations of Milky Way satellites Columba I and Triangulum II.**  
Carlin, J., Sand, D., Munoz, R., Spekkens, K., Willman, B., Crnojevic, D., Forbes, D., Hargis, J., Kirby, E., Peter, A., Romanowsky, A., *Strader, J.* 2017, *The Astronomical Journal*, 154, 267
186. **Detection of enhanced central mass-to-light ratios in low-mass early-type galaxies: Evidence for black holes?**  
Pechetti, R., Seth, A., Cappellari, M., McDermid, R., den Brok, M., Mieske, S., *Strader, J.* 2017, *The Astrophysical Journal*, 850, 15
185. **Project AMIGA: A minimal covering factor for optically thick circumgalactic gas around Andromeda.**  
Howk, J. C., Wotta, C., Berg, M., Lehner, N., Lockman, F., Hafen, Z., Pisano, D. J., Faucher-Giguere, C.-A., Wakker, B., Prochaska, J., Wolfe, S., Ribaud, J., Barger, K., Corlies, L., Fox, A., Jenkins, E., Kalirai, J., O'Meara, J., Peeples, M., Stewart, K., *Strader, J.* 2017, *The Astrophysical Journal*, 846, 141
184. **The ASAS-SN bright supernova catalog—III. 2016.**  
Holoien, T., Brown, J., Stanek, K., Kochanek, C., Shappee, B., Prieto, J., Dong, S., Brimacombe, J., Bishop, D., Bose, S., Beacom, J., Bersier, D., Chen, P., Chomiuk, L., Falco, E., Godoy-Rivera, D., Morrell, N., Pojmanski, G., Shields, J., *Strader, J.*, Stritzinger, M., Thompson, T., Wozniak, P., Bock, G., Cacella, P., Conseil, E., Cruz, I., Fernandez, J., Kiyota, S., Koff, R., Krannich, G., Marples, P., Masi, G., Monard, L., Nicholls, B., Nicolas, J., Post, R., Stone, G., Wiethoff, W. 2017, *Monthly Notices of the Royal Astronomical Society*, 471, 4966
183. **The SLUGGS Survey: Trails of SLUGGS galaxies in a modified spin-ellipticity diagram.**  
Bellstedt, S., Graham, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.* 2017, *Monthly Notices of the Royal Astronomical Society*, 470, 1321
182. **Hubble Space Telescope imaging of the ultra-compact high velocity cloud AGC 226067: A stripped remnant in the Virgo Cluster.**  
Sand, D., Seth, A., Crnojevic, D., Spekkens, K., *Strader, J.*, Adams, E., Caldwell, N., Guhathakurta, P., Kenney, J., Randall, S., Simon, J., Toloba, E., Willman, B. 2017, *The Astrophysical Journal*, 843, 134
181. **A radio emission analysis of classical nova V351 Pup (1991).**  
Wendeln, C., Chomiuk, L., Finzell, T., Linford, J., *Strader, J.* 2017, *The Astrophysical Journal*, 840, 110
180. **The SLUGGS Survey: Dark matter fractions at large radii and assembly epochs of early-type galaxies from globular cluster kinematics.**  
Alabi, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.*, Janz, J., Usher,

C., Spitler, L., Bellstedt, S., Ferre-Mateu, A. 2017, Monthly Notices of the Royal Astronomical Society, 468, 3949

**179. Detailed abundances from integrated-light spectroscopy: Milky Way globular clusters.**

Larsen, S., Brodie, J., *Strader, J.* 2017, Astronomy & Astrophysics, 601, 96

**178. Detection of supermassive black holes in Two Virgo ultracompact dwarf galaxies.**

Ahn, C., Seth, A., den Brok, M., *Strader, J.*, Baumgardt, H., van den Bosch, R., Chilingarian, I., Frank, M., Hilker, M., McDermind, R., Mieske, S., Romanowsky, A., Spitler, L., Brodie, J., Neumayer, N., Walsh, J. 2017, The Astrophysical Journal, 839, 72

**177. The ultracompact nature of the black hole candidate X-ray binary 47 Tuc X9.**

Bahramian, A., Heinke, C., Tudor, V., Miller-Jones, J., Bogdanov, S., Maccarone, T., Knigge, C., Sivakoff, G., Chomiuk, L., *Strader, J.*, Garcia, J., Kallman, T. 2017, Monthly Notices of the Royal Astronomical Society, 467, 2199

**176. The SLUGGS survey: A catalog of over 4000 globular cluster radial velocities in 27 nearby early-type galaxies.**

Forbes, D., Alabi, A., Brodie, J., Romanowsky, A., *Strader, J.*, Foster, C., Usher, C., Spitler, L., Bellstedt, S., Pastorello, N., Villaume, A., Wasserman, A., Pota, V. 2017, The Astronomical Journal, 153, 114

**175. Dynamical evidence for a strong tidal interaction between the Milky Way and its satellite, Leo V.**

Collins, M., Tollerud, E., Sand, D., Bonaca, A., Willman, B., *Strader, J.* 2017, Monthly Notices of the Royal Astronomical Society, 467, 573

**2016**

**174. A new  $\gamma$ -ray loud, eclipsing low-mass X-ray binary.**

*Strader, J.*, Li, K., Chomiuk, L., Heinke, C., Udalski, A., Peacock, M., Shishkovsky, L., Tremou, E. 2016, The Astrophysical Journal, 831, 89

**173. Giant rapid X-ray flares in external galaxies.**

Irwin, J., Maksym, P., Sivakoff, G., Romanowsky, A., Lin, D., Speegle, T., Prado, I., Mildebrath, D., *Strader, J.*, Liu, J., Miller, J. 2016, Nature, 538, 356

**172. Discovery of a redback millisecond pulsar candidate: 3FGL J0212.1+5320.**

Li, K., Kong, A., Hou, X., Mao, J., *Strader, J.*, Chomiuk, L., Tremou, E. The Astrophysical Journal Letters, 833, 143

171. **The overlooked role of stellar variability in the extended main sequence of LMC intermediate-age clusters.**  
Salinas, R., Pajkos, M., *Strader, J.*, Vivas, K., Contreras Ramos, R. 2016, *ApJL*, 832, 14
170. **The gamma-ray blazar quest: New optical spectra, state of art and future perspectives.**  
Massaro, F., Alvarez Crespo, N., D'Abrusco, R., Landoni, M., Masetti, N., Ricci, F., Milisavljevic, D., Paggi, A., Chavushyan, V., Jimenez-Bailon, E.; Patino-Alvarez, V., *Strader, J.*, Chomiuk, L., La Franca, F., Smith, H., Tosti, G. 2016, *Astrophysics and Space Science*, 361, 337
169. **Infrared high-resolution integrated light spectral analyses of M31 globular clusters from APOGEE.**  
Sakari, C., Shetrone, M., Schiavon, R., Bizyaev, D., Prieto, C., Beers, T., Caldwell, N., Garcia-Hernandez, D., Lucatello, S., Majewski, S., O'Connell, R., Pan, K., *Strader, J.* 2016, *The Astrophysical Journal*, 829, 116
168. **A luminous gamma-ray binary in the Large Magellanic Cloud.**  
Corbet, R., Cheung, C., Chomiuk, L., Coe, M., Coley, J., Dubus, G., Edwards, P., Martin, P., McBride, V., Stevens, J., *Strader, J.*, Townsend, L., Udalski, A. 2016, *The Astrophysical Journal*, 829, 105
167. **ASASSN-16ae: A powerful white-light flare on an early-L dwarf.**  
Schmidt, S., Shappee, B., Gange, J., Stanek, K., Prieto, J., Holoiien, T., Kochanek, C., Chomiuk, L., Dong, S., Seibert, M., *Strader, J.* 2016, *The Astrophysical Journal Letters*, 828, 22
166. **First results from the MADCASH survey: A faint dwarf galaxy companion to the low mass spiral galaxy NGC 2403 at 3.2 Mpc.**  
Carlin, J., Sand, D., Price, P., Willman, B., Karunakaran, A., Spekkens, K., Bell, E., Brodie, J., Crnojevic, D., Forbes, D., Hargis, J., Kirby, E., Lupton, R., Peter, A., Romanowsky, A., *Strader, J.* 2016, *The Astrophysical Journal Letters*, 828, 5
165. **An AO-assisted variability study of four globular clusters.**  
Salinas, R., Contreras Ramos, R., *Strader, J.*, Hakala, P., Catelan, M., Peacock, M., Simunovic, M. 2016, *The Astronomical Journal*, 152, 55
164. **Discovery of a long-lived, high amplitude dusty infrared transient.**  
Britt, C., Maccarone, T., Green, J., Jonker, P., Hynes, R., Torres, M., *Strader, J.*, Chomiuk, L., Salinas, R., Lucas, P., Contreras Pena, C., Kurtev, R., Heinke, C., Smith, L., Wright, N., Johnson, C., Steeghs, D., Nelemans, G. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 2822
163. **The SLUGGS Survey: The mass distribution in early-type galaxies**

**within five effective radii and beyond.**

Alabi, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.*, Janz, J., Pota, V., Pastorello, N., Usher, C., Spitler, L., Foster, C., Jennings, Z., Villaume, A., Kartha, S. 2016, Monthly Notices of the Royal Astronomical Society, 460, 3838

**162. The first low-mass black hole X-ray binary identified in quiescence outside of a globular cluster.**

Tetarenko B., Bahramian, A., Arnason, R., Miller-Jones, J., Repetto, S., Heinke, C., Maccarone, T., Chomiuk, L., Sivakoff, G., *Strader, J.*, Kirsten, F., Vlemmings, W. 2016, The Astrophysical Journal, 825, 10

**161. Disc-jet coupling in the Terzan 5 neutron star X-ray binary EXO 1745-248.**

Tetarenko, A., Bahramian, A., Sivakoff, G., Tremou, E., Linares, M., Tudor, V., Miller-Jones, J., Heinke, C., Chomiuk, L., *Strader, J.*, Altamirano, D., Degenaar, N., Maccarone, T., Patruno, A., Sanna, A., Wijnands, R. 2016, Monthly Notices of the Royal Astronomical Society, 460, 345

**160. Highest redshift image of neutral hydrogen in emission: A CHILES detection of a starbursting galaxy at  $z = 0.376$ .**

Fernandez, X., Gim, H., van Gorkom, J., Yun, M., Momjian, E., Popping, A., Chomiuk, L., Hess, K., Hunt, L., Kreckel, K., Lucero, D., Maddox, N., Oosterloo, T., Pisano, D., Verheijen, M., Hales, C., Chung, A., Dodson, R., Golap, K., Gross, J., Henning, P., Hibbard, J., Jaffe, Y., Meyer, J., Meyer, M., Sanchez-Barrantes, M., Schiminovich, D., Wicenc, A., Wilcots, E., Bershady, M., Scoville, N., *Strader, J.*, Tremou, E., Salinas, R., Chavez, R. 2016, The Astrophysical Journal Letters, 824, 1

**159. Identifying IGR J14091-6108 as a magnetic CV with a massive white dwarf using X-ray and optical observations.**

Tomsick, T., Rahoui, F., Krivonos, R., Clavel, M., *Strader, J.*, Chomiuk, L. 2016, Monthly Notices of the Royal Astronomical Society, 460, 513

**158. The extended halo of Centaurus A: Uncovering satellites, streams and substructures.**

Crnojevic, D., Sand, D., Spekkens, K., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2016, The Astrophysical Journal, 823, 19

**157. Evidence that Hydra I is a tidally disrupting Milky Way dwarf galaxy.**

Hargis, J., Kimmig, B., Willman, B., Caldwell, N., Walker, M., *Strader, J.*, Sand, D., Grillmair, C., Yoon, J. 2016, The Astrophysical Journal, 818, 39

**156. Discovery of the candidate off-nuclear ultrasoft hyper-luminous X-ray source 3XMM J141711.1+522541.**

Lin, D., Carrasco, E., Webb, N., Irwin, J., Dupke, R., Romanowsky, A., Ramirez-Ruiz, E., *Strader, J.*, Homan, J., Barret, D., Godet, O. 2016, The Astrophysical

**155. A deep search for prompt radio emission from thermonuclear supernovae with the Very Large Array.**

Chomiuk, L., Soderberg, A., Chevalier, R., Bruzewski, S., Foley, R., Parrent, J., *Strader, J.*, Badenes, C., Fransson, C., Kamble, A., Margutti, R., Rupen, M., Simon, J. 2016, *The Astrophysical Journal*, 821, 119

**154. The SLUGGS survey: Exploring the globular cluster systems of the Leo II group and their global relationships.**

Kartha, S., Forbes, D., Alabi, A., Brodie, J., Romanowsky, A., *Strader, J.*, Spitler, L., Jennings, Z., Roediger, J. 2016, *Monthly Notices of the Royal Astronomical Society*, 458, 105

**153. The SLUGGS Survey: Globular clusters and the dark matter content of early-type galaxies.**

Forbes, D., Alabi, A., Romanowsky, A., Brodie, J., *Strader, J.*, Usher, C., Pota, V. 2016, *Monthly Notices of the Royal Astronomical Society*, 458, 44

**152. Optical spectroscopic observations of  $\gamma$ -ray blazar candidates VI. Further observations from TNG, WHT, OAN, SOAR and Magellan telescopes.**

Alvarez Crespo, N., Massaro, F., Milisavljevic, D., Landoni, M., Chavushyan, V., Patino-Alvarez, V., Masetti, N., Jimenez-Bailon, E., *Strader, J.*, Chomiuk, L., Katarigiri, H., Kagaya, M., Cheung, C., Paggi, A., D'Abrusco, R., Ricci, F., La Franca, F., Smith, H., Tosti, G. 2016, *The Astronomical Journal*, 151, 95

**151. The SLUGGS Survey: The assembly histories of individual early-type galaxies.**

Forbes, D., Romanowsky, A., Pastorello, N., Foster, C., Brodie, J., *Strader, J.*, Usher, C., Pota, V. 2016, *Monthly Notices of the Royal Astronomical Society*, 457, 1242

**150. The SLUGGS Survey: stellar kinematics, kinemetry and trends at large radii in 25 early-type galaxies.**

Foster, C., Pastorello, N., Roediger, J., Brodie, J., Forbes, D., Kartha, S., Pota, V., Romanowsky, A., Spitler, L., *Strader, J.*, Usher, C., Arnold, J. 2016, *Monthly Notices of the Royal Astronomical Society*, 457, 147

**149. The AIMSS project III: The stellar populations of compact stellar systems.**

Janz, J., Norris, M., Forbes, D., Huxor, A., Romanowsky, A., Frank, M., Escudero, C., Faifer, F., Forte, J., Kannappan, S., Maraston, C., Brodie, J., *Strader, J.*, Thompson, B. 2016, *Monthly Notices of the Royal Astronomical Society*, 456, 617

**148. A tidally disrupting dwarf galaxy in the halo of NGC 253.**

Toloba, E., Sand, D., Spekkens, K., Crnojevic, D., Simon, J., Guhathakurta, P.,

*Strader, J., Caldwell, N., McLeod, B., Seth, A.* 2016, *The Astrophysical Journal Letters*, 816, 5

## 2015

**147. Optical spectroscopy of the high-mass  $\gamma$ -ray binary 1FGL J1018.6–5856: A probable neutron star primary.**

*Strader, J., Chomiuk, L., Cheung, C. C., Salinas, R., Peacock, M.* 2015, *The Astrophysical Journal Letters*, 813, 26

**146. 1FGL J1417.7–4407: A likely  $\gamma$ -ray bright binary with a massive neutron star and a giant secondary.**

*Strader, J., Chomiuk, L., Cheung, C. C., Sand, D., Donato, D., Corbet, R., Koeppe, D., Edwards, P., Stevens, J., Petrov, L., Salinas, R., Peacock, M., Finzell, T., Reichart, D., Haislip, J.* 2015, *The Astrophysical Journal Letters*, 804, 12

**145. The 10830 Å He line among evolved stars in the globular cluster M4.**

*Strader, J., Dupree, A., Smith, G.* 2015, *The Astrophysical Journal*, 808, 124

**144. Detection of a distinct metal-poor stellar halo in the early-type galaxy NGC 3115.**

*Peacock, M., Strader, J., Romanowsky, A., Brodie, J.* 2015, *The Astrophysical Journal*, 800, 13

**143. No evidence for multiple stellar populations in the low-mass Galactic globular cluster E 3.**

*Salinas, R. & Strader, J.* 2015, *The Astrophysical Journal*, 809, 169

**142. Deep radio imaging of 47 Tuc identifies the peculiar X-ray source X9 as a new black hole candidate.**

*Miller-Jones, J., Strader, J., Heinke, C., Maccarone, T., van den Berg, M., Knigge, C., Chomiuk, L., Noyola, E., Russell, T., Seth, A., Sivakoff, G.* 2015, *Monthly Notices of the Royal Astronomical Society*, 453, 3918

**141. Hiding in plain sight: Record-breaking compact stellar systems in the Sloan Digital Sky Survey.**

*Sandoval, M., Vo, R., Romanowsky, A., Strader, J., Choi, J., Jennings, Z., Conroy, C., Brodie, J., Foster, C., Villaume, A., Norris, M., Janz, J., Forbes, D.* 2015, *The Astrophysical Journal Letters*, 808, 32

**140. Antlia B: A faint dwarf galaxy member of the NGC 3109 association.**

*Sand, D., Spekkens, K., Crnojevic, D., Hargis, J., Willman, B., Strader, J., Grillmair, C.* 2015, *The Astrophysical Journal Letters*, 812, 13

**139. Limits on thermal variations in a dozen quiescent neutron stars over**

**a decade.**

Bahramian, A., Heinke, C., Degenaar, N., Chomiuk, L., Wijnands, R., *Strader, J.*, Ho, W., Pooley, D. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 3475

**138. The SLUGGS survey: Globular cluster kinematics in a “double sigma” galaxy—NGC 4473.**

Alabi, A., Foster, C., Forbes, D., Romanowsky, A., Pastorello, N., Brodie, J., Spitler, L., *Strader, J.*, Usher, C. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 2208

**137. The SLUGGS survey: inferring the formation epochs of metal-poor and metal-rich globular clusters.**

Forbes, D., Pastorello, N., Romanowsky, A., Usher, C., Brodie, J., *Strader, J.* 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 1045

**136. Statistical time-resolved spectroscopy: a higher fraction of short-period binaries for metal-rich F-type dwarfs in SDSS.**

Hettinger, T., Badenes, C., *Strader, J.*, Bickerton, S., Beers, T. 2015, *The Astrophysical Journal Letters*, 806, 2

**135. The megasecond *Chandra* X-ray visionary project observation of NGC 3115 (III): Luminosity functions of LMXBs and dependence on stellar environments.**

Lin, D., Irwin, J., Wong, K., Jennings, Z., Homan, J., Romanowsky, A., *Strader, J.*, Brodie, J., Sivakoff, G., Remillard, R. 2015, *The Astrophysical Journal*, 808, 20

**134. The SLUGGS survey: Combining stellar and globular cluster metallicities in the outer regions of early-type galaxies.**

Pastorello, N., Forbes, D., Usher, C., Brodie, J., Romanowsky, A., *Strader, J.*, Spitler, L., Alabi, A., Foster, C., Jennings, Z., Kartha, S., Pota, V. 2015, *Monthly Notices of the Royal Astronomical Society* 451, 2625

**133. A comprehensive archival search for counterparts to ultra-compact high velocity clouds: Five local volume dwarf galaxies.**

Sand, D., Crnojevic, D., Bennet, P., Willman, B., Hargis, J., *Strader, J.*, Olszewski, E., Tollerud, E., Simon, J., Caldwell, N., Guhathakurta, P., James, B. L., Koposov, S., McLeod, B., Morrell, N., Peacock, M., Salinas, R., Seth, A., Stark, D., Toloba, E. 2015, *The Astrophysical Journal*, 806, 95

**132. The megasecond *Chandra* X-ray visionary project observation of NGC 3115 (II): Properties of point sources.**

Lin, D., Irwin, J., Wong, K., Jennings, Z., Homan, J., Romanowsky, A., *Strader, J.*, Sivakoff, G., Brodie, J., Remillard, R. 2015, *The Astrophysical Journal*, 808, 19

131. **A SLUGGS and Gemini/GMOS combined study of the elliptical galaxy M60: wide-field photometry and kinematics of the globular cluster system.**

Pota, V., Brodie, J., Bridges, T., *Strader, J.*, Romanowsky, A., Villaume, A., Jennings, Z., Faifer, F., Pastorello, N., Forbes, D., Campbell, A., Usher, C., Foster, C., Spitler, L., Caldwell, N., Forte, J., Norris, M., Zepf, S., Beasley, M., Gebhardt, K., Hanes, D., Sharples, R., Arnold, J. 2015, Monthly Notices of the Royal Astronomical Society, 450, 1962

130. **The SLUGGS Survey: Multi-population dynamical modelling of the elliptical galaxy NGC 1407 from stars and globular clusters.**

Pota, V., Romanowsky, A., Brodie, J., Penarrubia, J., Forbes, D., Napolitano, N., Foster, C., Walker, M., *Strader, J.*, Roediger, J. 2015, Monthly Notices of the Royal Astronomical Society, 450, 3345

129. **Small scatter and nearly-isothermal mass profiles to four half-light radii from two-dimensional stellar dynamics of early-type galaxies.**

Cappellari, M., Romanowsky, A., Brodie, J., Forbes, D., *Strader, J.*, Foster, C., Kartha, S., Pastorello, N., Pota, V., Spitler, L., Usher, C., Arnold, J. 2015, The Astrophysical Journal Letters, 804, 21

128. **Radial distributions of sub-populations in the globular cluster M15: a more centrally concentrated primordial population.**

Larsen, S., Baumgardt, H., Bastian, N., Brodie, J., Grundahl, F., *Strader, J.* 2015, The Astrophysical Journal, 804, 71

127. **How elevated is the dynamical-to-stellar mass ratio of the ultra-compact dwarf S999?**

Janz, J., Forbes, D., Norris, M., *Strader, J.*, Penny, S., Fagioli, M., Romanowsky, A. 2015, Monthly Notices of the Royal Astronomical Society, 449, 1716

126. **Measuring consistent masses for 25 Milky Way globular clusters.**

Kimmig, B., Seth, A., Ivans, I., *Strader, J.*, Caldwell, N., Anderton, T., Gregersen, D. 2015, The Astronomical Journal, 149, 53

125. **Optical spectroscopic observations of  $\gamma$ -ray blazar candidates II. The 2013/2014 campaign in the southern hemisphere.**

Landoni, M., Massaro, F., Paggi, A., D'Abrusco, R., Milisavljevic, D., Masetti, N., Smith, H., Tosti, G., Chomiuk, L., *Strader, J.*, Cheung, C. 2015, The Astronomical Journal, 149, 163

124. **The SLUGGS survey: Globular cluster stellar population trends from weak absorption lines in stacked spectra.**

Usher, C., Forbes, D., Brodie, J., Romanowsky, A., *Strader, J.*, Conroy, C., Foster, C., Pastorello, N., Pota, V., Arnold, J. 2015, Monthly Notices of the Royal Astronomical

2014

123. **1FGL J0523.5–2529: A new probable  $\gamma$ -ray pulsar binary.**

*Strader, J.*, Chomiuk, L., Sonbas, E., Sokolovsky, K., Sand, D., Moskvitin, A., Cheung, C. C. 2014, *The Astrophysical Journal Letters*, 788, 27

122. **A globular cluster toward M87 with a radial velocity  $< -1000$  km/s: The first hypervelocity cluster.**

Caldwell, N., *Strader, J.*, Romanowsky, A., Brodie, J., Moore, B., Diemand, J., Martizzi, D. 2014, *The Astrophysical Journal Letters*, 787, 11

121. **Constraining globular cluster formation through studies of young massive clusters - III. A lack of gas and dust in massive stellar clusters in the LMC and SMC.**

Bastian, N., *Strader, J.* 2014, *Monthly Notices of the Royal Astronomical Society*, 443, 3594

120. **The SLUGGS Survey: HST/ACS mosaic imaging of the NGC 3115 globular cluster system.**

Jennings, Z., *Strader, J.*, Romanowsky, A., Brodie, J., Arnold, J., Lin, D., Irwin, J., Sivakoff, G., Wong, K. 2014, *The Astronomical Journal*, 148, 32

119. **A supermassive black hole in an ultracompact dwarf galaxy.**

Seth, A., van den Bosch, R., Mieske, S., Baumgardt, H., den Brok, M., *Strader, J.*, Neumayer, N., Chilingarian, I., Hilker, M., McDermid, R., Spitler, L., Brodie, J., Frank, M., Walsh, J., *Nature*, 513, 398

118. **Discovery of a close pair of faint dwarf galaxies in the halo of Centaurus A.**

Crnojevic, D., Sand, D., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., Simon, J., *Strader, J.*, Toloba, E. 2014, *The Astrophysical Journal Letters*, 795, 35

117. **The SAGES Legacy Unifying Globulars and Galaxies Survey (SLUGGS): Sample definition, methods, and initial results.**

Brodie, J., Romanowsky, A., *Strader, J.*, Forbes, D., Foster, C., Jennings, Z., Pastorello, N., Pota, V., Usher, C., Blom, C., Kader, J., Roediger, J., Spitler, L., Villaume, A., Arnold, J., Kartha, S., Woodley, K. 2014, *The Astrophysical Journal*, 796, 52

116. **A study of the 10830 He I line among red giants in Messier 13.**

Smith, G., Dupree, A., *Strader, J.* 2014, *Publications of the Astronomical Society of the Pacific*, 126, 901

115. **Nitrogen abundances and multiple stellar populations in the globular clusters of the Fornax dSph.**

Larsen, S., Brodie, J., Grundahl, F., *Strader, J.* 2014, *The Astrophysical Journal*, 797, 15

114. **The AIMSS project II: Dynamical-to-stellar mass ratios across the star cluster–galaxy divide.**

Forbes, D., Norris, M., *Strader, J.*, Romanowsky, A., Pota, V., Kannappan, S., Brodie, J., Huxor, A. 2014, *Monthly Notices of the Royal Astronomical Society*, 444, 2993

113. **Discovery of a new faint dwarf galaxy associated with NGC 253.**

Sand, D., Crnojevic, D., *Strader, J.*, Toloba, E., Simon, J., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., *The Astrophysical Journal Letters*, 793, 7

112. **The SLUGGS Survey: Wide-field Stellar Kinematics of Early-type Galaxies.**

Arnold, J., Romanowsky, A., Brodie, J., Forbes, D., *Strader, J.*, Spitler, L., Foster, C., Blom, C., Kartha, S., Pastorello, N., Pota, V., Usher, C., Woodley, K. 2014, *The Astrophysical Journal*, 791, 80

111. **The most distant stars in the Milky Way.**

Bochanski, J., Willman, B., Caldwell, N., Sanderson, R., West, A., *Strader, J.*, Brown, W. 2014, *The Astrophysical Journal Letters*, 790, 5

110. **The AIMSS project I: Bridging the star cluster–galaxy divide.**

Norris, M., Kannappan, S., Forbes, D., Romanowsky, A., Brodie, J., Faifer, F., Huxor, A., Maraston, C., Moffett, A., Penny, S., Pota, V., Smith-Castelli, A., *Strader, J.*, Bradley, D., Eckert, K., Fohring, D., McBride, J., Stark, D., Vaduvescu, O. 2014, *Monthly Notices of the Royal Astronomical Society*, 443, 1151

109. **Kinematics and simulations of the stellar stream in the halo of the Umbrella Galaxy.**

Foster, C., Lux, H., Romanowsky, A., Martinez-Delgado, D., Zibetti, S., Arnold, J., Brodie, J., Ciardullo, R., GaBany, R.J., Merrifield, M., Singh, N., *Strader, J.* 2014, *Monthly Notices of the Royal Astronomical Society*, 442, 3544

108. **Structure and dynamics of the accretion process and wind in TW Hya.**

Dupree, A., Brickhouse, N., Cranmer, S., Berlind, P., *Strader, J.*, Smith, G. 2014, *The Astrophysical Journal*, 789, 27

107. **The SLUGGS Survey: Exploring the metallicity gradients of nearby early-type galaxies to large radii.**

Pastorello, N., Forbes, D., Foster, C., Brodie, J., Usher, C., Romanowsky, A., *Strader,*

J., Arnold, J., 2014, Monthly Notices of the Royal Astronomical Society, 442, 1003

**106. AGN feedback in the hot halo of NGC 4649.**

Paggi, A., Fabbiano, G., Kim, D.-W., Pellegrini, S., Civano, F., *Strader, J.* 2014, The Astrophysical Journal, 787, 134

**105. Chemical composition and constraints on mass loss for globular clusters in dwarf galaxies: WLM and IKN.**

Larsen, S., Brodie, J., Forbes, D., *Strader, J.* 2014, Astronomy & Astrophysics, 565, 98

**104. Ultracompact dwarfs in the Perseus Cluster: UCD formation via tidal stripping.**

Penny, S., Forbes, D., *Strader, J.*, Usher, C., Brodie, J., Romanowsky, A. 2014, Monthly Notices of the Royal Astronomical Society, 439, 3808

**103. The two-dimensional spatial distributions of the globular clusters and low-mass X-ray binaries of NGC 4649.**

D'Abrusco, R., Fabbiano, G., Mineo, S., *Strader, J.*, Fragos, T., Kim, D.-W., Luo, B., Zezas, A. 2014, The Astrophysical Journal, 783, 18

**102. Hunting the most distant stars in the Milky Way: Methods and initial results.**

Bochanski, J., Willman, B., West A., *Strader, J.*, Chomiuk, L. 2014, The Astronomical Journal, 147, 76

**101. The radial distribution of X-ray binaries and globular clusters in NGC 4649 and their relation with the local stellar mass density.**

Mineo, S., Fabbiano, G., D'Abrusco, R., Fragos, T., Kim, D., *Strader, J.*, Brodie, J., Gallagher, J. Zezas, A., Luo, B. 2014, The Astrophysical Journal, 780, 132

**100. A panchromatic view of the restless SN 2009ip reveals the explosive ejection of a massive star envelope.**

Margutti, R., Milisavljevic, D., Soderberg, A., Chornock, R., Zauderer, B., Murase, K., Guidorzi, C., Sanders, N., Kuin, P., Fransson, C., Levesque, E., Chandra, P., Berger, E., Bianco, F., Brown, P., Challis, P., Chatzopoulos, E., Cheung, C., Choi, C., Chomiuk, L., Chugai, N., Contreras, C., Drout, M., Fesen, R., Foley, R., Fong, W., Friedman, A., Gall, C., Gehrels, N., Hjorth, J., Hsiao, E., Kirshner, R., Im, M., Leloudas, G., Lunnan, R., Marion, G., Martin, J., Morrell, N., Neugent, K., Omodei, N., Phillips, M., Rest, A., Silverman, J., *Strader, J.*, Stritzinger, M., Szalai, T., Utterback, N., Vinko, J., Wheeler, J., Arnett, D., Campana, S., Chevalier, R., Ginsburg, A., Kamble, A., Roming, P., Pritchard, T., Stringfellow, G. 2014, The Astrophysical Journal, 780, 21

2013

99. **The densest galaxy.**

*Strader, J.*, Seth, A., Forbes, D., Fabbiano, G., Romanowsky, A., Brodie, J., Conroy, C., Caldwell, N., Pota, V., Usher, C., Arnold, J. 2013, *The Astrophysical Journal Letters*, 775, 6

98. **A radio-selected black hole X-ray binary candidate in the Milky Way globular cluster M62.**

Chomiuk, L., *Strader, J.*, Maccarone, T., Miller-Jones, J., Heinke, C., Noyola, E., Seth, A., Ransom, S. 2013, *The Astrophysical Journal*, 777, 69

97. **The SLUGGS survey: Wide field imaging of the globular cluster system of NGC 4278.**

Usher, C., Forbes, D., Spitler, L., Brodie, J., Romanowsky, A., *Strader, J.*, Woodley, K. 2013, *Monthly Notices of the Royal Astronomical Society*, 436, 1172

96. **Star clusters in M31. V. Evidence for self-enrichment in old M31 clusters from integrated spectroscopy.**

Schiavon, R., Caldwell, N., Conroy, C., Graves, G., *Strader, J.*, MacArthur, L., Courteau, S., Harding, P. 2013, *The Astrophysical Journal Letters*, 776, 7

95. **The SLUGGS survey: Outer triaxiality of the fast rotator elliptical NGC 4473.**

Foster, C., Arnold, J., Forbes, D., Pastorello, N., Romanowsky A., Spitler, L., *Strader, J.*, Brodie, J. 2013, *Monthly Notices of the Royal Astronomical Society*, 435, 3587

94. **A search for RR Lyrae stars in Segue 2 and Segue 3.**

Boettcher, E., Willman, B., Fadley, R., *Strader, J.*, Baker, M., Hopkins, E., Ananna, T., Cunningham, E., Douglas, T., Gilbert, J., Preston, A., Sturmer, A. 2013, *The Astronomical Journal*, 146, 94

93. **The two-dimensional projected spatial distribution of globular clusters: Method and application to NGC 4261.**

D'Abrusco, R., Fabbiano, G., *Strader, J.*, Zezas, A., Mineo, S., Fragos, T., Bonfini, P., Luo, B., Kim, D.-W., King, A. 2013, *The Astrophysical Journal*, 773, 87

92. **Filling the gap: A new class of old star cluster?**

Forbes, D., Pota, V., Usher, C., *Strader, J.*, Romanowsky, A., Brodie, J., Arnold, J., Spitler, L. 2013, *Monthly Notices of the Royal Astronomical Society*, 435, 6

91. **The SLUGGS survey: Probing the supermassive black hole connection with bulges and haloes using red and blue globular cluster systems.**

Pota, V., Graham, A., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.* 2013, *Monthly Notices of the Royal Astronomical Society*, 433, 235

90. **Deep Chandra monitoring observations of NGC 4649: I. Catalog of source properties.**

Luo, B., Fabbiano, G., *Strader, J.*, Kim, D.-W., Brodie, J., Fragos, T., Gallagher, J., King, A., Zezas, A. 2013, *The Astrophysical Journal Supplements*, 204, 14

89. **The SLUGGS survey: Kinematics for over 2500 globular clusters in twelve early-type galaxies.**

Pota, V., Forbes, D., Romanowsky, A., Brodie, J., Spitler, L., *Strader, J.*, Foster, C., Arnold, J., Benson, A., Blom, C., Hargis, J., Rhode, K., Usher, C. 2013, *Monthly Notices of the Royal Astronomical Society*, 428, 389

## 2012

88. **Two stellar-mass black holes in the globular cluster M22.**

*Strader, J.*, Chomiuk, L., Maccarone, T., Miller-Jones., J., Seth, A. 2012, *Nature*, 490, 71

87. **Deep Chandra monitoring observations of NGC 4649: II. Wide-field Hubble Space Telescope imaging of the globular clusters.**

*Strader, J.*, Fabbiano, G., Luo, B., Kim, D.-W., Brodie, J., Fragos, T., Gallagher, J., Kalogera, V., King, A., Zezas, A. 2012, *The Astrophysical Journal*, 760, 87

86. **No evidence for intermediate-mass black holes in globular clusters: Strong constraints from the JVL.**

*Strader, J.*, Chomiuk, L., Maccarone, T., Miller-Jones., J., Seth, A., Heinke, C., Sivakoff, G. 2012, *The Astrophysical Journal Letters*, 750, 27

85. **Old massive globular clusters and the stellar halo of the dwarf starburst galaxy NGC 4449.**

*Strader, J.*, Seth, A., Caldwell, N. 2012, *The Astronomical Journal*, 143, 52

84. **Constraints on mass loss and self-enrichment scenarios for the globular clusters of the Fornax dSph.**

Larsen, S., *Strader, J.*, Brodie, J. 2012, *Astronomy & Astrophysics*, 544, 14

83. **Tidal signatures in the faintest Milky Way satellites: The detailed properties of Leo V, Pisces II, and Canes Venatici II.**

Sand, D., *Strader, J.*, Willman, B., Zaritsky, D., McLeod, B., Caldwell, N., Seth, A., Olszewski, E. 2012, *The Astrophysical Journal*, 756, 79

82. **“Galaxy”, defined.**

Willman, B., *Strader, J.* 2012, *The Astronomical Journal*, 144, 76

81. **The ongoing assembly of a central cluster galaxy: Phase-space substructures in the halo of M87.**

Romanowsky, A., *Strader, J.*, Brodie, J., Mihos, C., Spitler, L., Forbes, D., Foster, C. 2012, *The Astrophysical Journal*, 748, 29

**80. The  $\lambda 10830$  He I absorption line among metal-poor subdwarfs.**

Smith, G., Dupree, A., *Strader, J.*. 2012, *Publications of the Astronomical Society of the Pacific*, 124, 1252

**79. A variable ultraluminous X-ray source in a globular cluster in NGC 4649.**

Roberts, T., Fabbiano, G., Luo, B., Kim, D.-W., *Strader, J.*, Middleton, M., Brodie, J., Fragos, T., Gallagher, J., Kalogera, V., King, A., Zezas, A. 2012, *The Astrophysical Journal*, 760, 135

**78. The SLUGGS survey: NGC 3115, A critical test case for metallicity bimodality in globular cluster systems.**

Brodie, J., Usher, C., Conroy, C., *Strader, J.*, Arnold, J., Forbes, D., Romanowsky, A. 2012, *The Astrophysical Journal Letters*, 759, 33

**77. Detailed abundance analysis from integrated high-dispersion spectroscopy: Globular clusters in the Fornax dwarf spheroidal.**

Larsen, S., Brodie, J., *Strader, J.* 2012, *Astronomy & Astrophysics*, 546, A53

**76. Radially extended kinematics of the S0 galaxy NGC 2768 from planetary nebulae, globular clusters and starlight.**

Forbes, D., Cortesi, A., Pota, V., Foster, C., Romanowsky, A., Merrifield, M., Brodie, J., *Strader, J.*, Coccato, L., Napolitano, N. 2012, *Monthly Notices of the Royal Astronomical Society*, 426, 975

**75. The SLUGGS survey: Calcium triplet-based spectroscopic metallicities for over 900 globular clusters.**

Usher, C., Forbes, D., Brodie, J., Foster, C., Spitler, L., Arnold, J., Romanowsky, A., *Strader, J.*, Poza, V. 2012, *Monthly Notices of the Royal Astronomical Society*, 426, 1475

**74. The SLUGGS survey: Globular cluster system kinematics and substructure in NGC 4365.**

Blom, C., Forbes, D., Brodie, J., Foster, C., Romanowsky, A., Spitler, L., *Strader, J.* 2012, *Monthly Notices of the Royal Astronomical Society*, 426, 1959

**73. Evidence for inhomogeneous reionization in the local universe from metal-poor globular cluster systems.**

Spitler, L., Romanowsky, A., Diemand, J., *Strader, J.*, Forbes, D., Moore, B., Brodie, J. 2012, *Monthly Notices of the Royal Astronomical Society*, 423, 2177

**72. An optical/NIR survey of globular clusters in early-type galaxies. III.**

**On the color bimodality of GC systems.**

Chies-Santos, A., Larsen, S., Cantiello, M., *Strader, J.*, Kuntschner, H., Wehner, E., Brodie, J. 2012, *Astronomy & Astrophysics*, 539, 54

**2011**

**71. Wide-field precision kinematics of the M87 globular cluster system.**

*Strader, J.*, Romanowsky, A., Brodie, J., Spitler, L., Beasley, M., Arnold, J., Tamura, N., Sharples, R., Arimoto, N. 2011, *The Astrophysical Journal Supplements*, 197, 33

**70. Star clusters in M31: V. Internal dynamical trends: Some troublesome, some reassuring.**

*Strader, J.*, Caldwell, N., Seth, A. 2011, *The Astronomical Journal*, 142, 8

**69. Direct evidence for an enhancement of helium in giant stars in Omega Centauri.**

Dupree, A., *Strader, J.*, Smith, G. 2011, *The Astrophysical Journal*, 728, 155

**68. The relationships among compact stellar systems: A fresh view of ultra-compact dwarfs.**

Brodie, J., Romanowsky, A., *Strader, J.*, Forbes, D. 2011, *The Astronomical Journal*, 142, 199

**67. Hubble Space Telescope photometry of globular clusters in M81.**

Nantais, J., Huchra, J., Zezas, A., Gazeas, K., *Strader, J.*, 2011, *The Astronomical Journal*, 142, 183

**66. Spectra of globular clusters in the Sombrero galaxy: Evidence for spectroscopic metallicity bimodality.**

Alves-Brito, A., Hau, G., Forbes, D., Spitler, L., *Strader, J.*, Brodie, J., Rhode, K. 2011, *Monthly Notices of the Royal Astronomical Society*, 417, 1823

**65. Willman 1 - A probable dwarf galaxy with an irregular kinematic distribution.**

Willman, B., Geha, M., *Strader, J.*, Strigari, L., Simon, J., Kirby, E., Ho, N., Warren, A. 2011, *The Astronomical Journal*, 142, 128

**64. The globular cluster population of NGC 7457: Clues to the evolution of field S0 galaxies.**

Hargis, J., Rhode, K., *Strader, J.*, Brodie, J., 2011, *The Astrophysical Journal*, 738, 113

**63. The fossil record of two-phase galaxy assembly: Kinematics and metallicities in the nearest S0 galaxy.**

Arnold, J., Romanowsky, A., Brodie, J., Chomiuk, L., Spitler, L., *Strader, J.*, Benson,

A., Forbes, D. 2011, *The Astrophysical Journal Letters*, 736, 26

**62. Global properties of “ordinary” early-type galaxies: Photometry and spectroscopy of stars and globular clusters in NGC 4494.**

Foster, C., Spitler, L., Romanowsky, A., Forbes, D., Pota, V., Bekki, K., *Strader, J.*, Proctor, R., Arnold, J., Brodie, J. 2011, *Monthly Notices of the Royal Astronomical Society*, 415, 3393

**61. Evidence for two phases of galaxy formation from radial trends in the globular cluster system of NGC 1407.**

Forbes, D., Spitler, L., *Strader, J.*, Romanowsky, A., Brodie, J., Foster, C. 2011, *Monthly Notices of the Royal Astronomical Society*, 413, 2943

**60. An optical/NIR survey of globular clusters in early-type galaxies. II. Ages of GC systems and the relation to galaxy morphology.**

Chies-Santos, A., Larsen, S., Kuntschner, H., Anders, P., Wehner, E., *Strader, J.*, Brodie, J., Santos Jr., J. 2011, *Astronomy & Astrophysics*, 525, 20

**59. An optical/NIR survey of globular clusters in early-type galaxies. I. Introduction and data reduction procedures.**

Chies-Santos, A., Larsen, S., Wehner, E., Kuntschner, H., *Strader, J.*, Brodie, J. 2011, *Astronomy & Astrophysics*, 525, 19

**2010**

**58. Deriving metallicities from the integrated spectra of extragalactic globular clusters using the near-infrared calcium triplet.**

Foster, C., Forbes, D., Proctor, R., *Strader, J.*, Brodie, J., Spitler, L. 2010, *The Astronomical Journal*, 139, 1566

**57. Star cluster candidates in M81.**

Nantais, J., Huchra, J., McLeod, B., *Strader, J.*, Brodie, J. 2010, *The Astronomical Journal*, 139, 1413

**56. A blue tilt in the globular cluster system of the Milky Way-like galaxy NGC 5170.**

Forbes D., Spitler, L., Harris, W., Bailin, J., *Strader, J.*, Brodie, J., Larsen, S. 2010, *Monthly Notices of the Royal Astronomical Society*, 403, 429

**55. An HST/WFPC2 survey of bright young clusters in M31. IV. Ages and mass estimates.**

Perina, S., Cohen, J., Barmby, P., Beasley, M., Bellazzini, M., Brodie, J., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P., Huchra, J., Kissler-Patig, M., Puzia, T., *Strader, J.* 2010, *Astronomy & Astrophysics*, 511, 23

2009

54. **Mass-to-light ratios for M31 globular clusters: Age dating and a surprising metallicity trend.**  
*Strader, J., Smith, G., Larsen, S., Brodie, J., Huchra, J.* 2009, *The Astronomical Journal*, 138, 547
53. **Mapping the dark side with DEIMOS: Globular clusters, X-ray gas, and dark matter in the NGC 1407 group.**  
*Romanowsky, A., Strader, J., Spitler, L., Johnson, R., Brodie, J., Forbes, D., Ponman, T.* 2009, *The Astronomical Journal*, 137, 4956
52. **An HST/WFPC2 survey of bright young clusters in M31. III. Structural parameters.**  
*Barmby, P., Perina, S., Bellazzini, M., Cohen, J., Hodge, P., Huchra, J., Kissler-Patig, M., Puzia, T., Strader, J.* 2009, *The Astronomical Journal*, 138, 1667
51. **Fast winds and mass loss from metal-poor field giants.**  
*Dupree, A., Smith, G., Strader, J.* 2009, *The Astronomical Journal*, 138, 1485
50. **A survey of ultraviolet-bright sources behind the halo of M31.**  
*Fittingoff, A., Prochaska, J., Kalirai, J., Strader, J., Guhathakurta, P., Kaplan, K.* 2009, *Monthly Notices of the Royal Astronomical Society*, 399, 728
49. **Probing the 2D kinematic structure of early-type galaxies out to three effective radii.**  
*Proctor, R., Forbes, D., Romanowsky, A., Brodie, J., Strader, J., Spolaor, M., Mendel, T., Spitler, L.* 2009, *Monthly Notices of the Royal Astronomical Society*, 398, 91
48. **An HST/WFPC2 survey of bright young clusters in M31. II. Photometry of less luminous clusters in the fields.**  
*Hodge, P., Krienke, O., Bellazzini, M., Perina, S., Barmby, P., Cohen, J., Puzia, T., Strader, J.* 2009, *The Astronomical Journal*, 138, 770
47. **Evidence for the disk origin of luminous Virgo dwarf ellipticals from the kinematics of their globular cluster systems.**  
*Beasley, M., Cenarro, J., Strader, J., Brodie, J.* 2009, *The Astronomical Journal*, 137, 5146
46. **An ultra-compact dwarf around the Sombrero galaxy (M104): the nearest massive UCD.**  
*Hau, G., Spitler, L., Forbes, D., Proctor, R., Strader, J., Mendel, T., Brodie, J., Harris, W.* 2009, *Monthly Notices of the Royal Astronomical Society*, 394, 97
45. **The least-luminous galaxy: Spectroscopy of the Milky Way satellite**

## **Segue 1.**

Geha, M., Willman, B., Simon, J., Strigari, L., Kirby, E., Law, D., *Strader, J.* 2009, *The Astrophysical Journal*, 692, 1464

## **44. An HST/WFPC2 survey of bright young clusters in M31. I. VdB0, a massive star cluster seen at $t \sim 25$ Myr.**

Perina, S., Barmby, P., Beasley, M., Bellazzini, M., Brodie, J., Burstein, D., Cohen, J., Federici, L., Fusi Pecci, F., Galletti, S., Hodge, P., Huchra, J., Kissler-Patig, M., Puzia, T., *Strader, J.* 2009, *Astronomy & Astrophysics*, 494, 933

## **2008**

### **43. A probable new globular cluster in the Galactic disk.**

*Strader, J.*, Kobulnicky, H. 2008, *The Astronomical Journal*, 136, 2102

### **42. The origin of the blue tilt in extragalactic globular cluster systems.**

*Strader, J.*, Smith, G. 2008, *The Astronomical Journal*, 136, 1828

### **41. A glimpse into the past: The recent evolution of globular clusters.**

Kalirai, J., *Strader, J.*, Anderson, J., Richer, H. 2008, *The Astrophysical Journal*, 682, 37

### **40. The peculiar globular cluster system of the S0 galaxy NGC 7457.**

Chomiuk, L., *Strader, J.*, Brodie, J. 2008, *The Astronomical Journal*, 136, 234

### **39. Keck spectroscopy of globular clusters in the spiral galaxy NGC 2683.**

Proctor, R., Forbes, D., Brodie, J., *Strader, J.* 2008, *Monthly Notices of the Royal Astronomical Society*, 385, 1709

### **38. The connection between globular cluster systems and their host galaxy and environment: A case study of the isolated elliptical NGC 821.**

Spitler, L., Forbes, D., *Strader, J.*, Brodie, J., Gallagher, J. 2008, *Monthly Notices of the Royal Astronomical Society*, 385, 361

## **2007**

### **37. Globular cluster metallicity subpopulations in NGC 4472.**

*Strader, J.*, Beasley, M., Brodie, J. 2007, *The Astronomical Journal*, 133, 2015

### **36. Integrated colors of globular clusters and horizontal branch morphology.**

Smith, G., *Strader, J.* 2007, *Astronomische Nachrichten*, 328, 107

### **35. Carbon isotope ratios on the upper red giant branch of Messier 71.**

Smith, G., Shetrone, M., *Strader, J.* 2007, *Publications of the Astronomical Society of the Pacific*, 119, 722

**34. Stellar populations of globular clusters in the elliptical galaxy NGC 1407.**

Cenarro, J., Beasley, M., *Strader, J.*, Brodie, J., Proctor, R. 2007, *The Astronomical Journal*, 134, 391

**33. Spatially resolved spectroscopy of early-type galaxies over a range in mass.**

Sanchez-Blazquez, P., Forbes, D., *Strader, J.*, Brodie, J., Proctor, R. 2007, *Monthly Notices of the Royal Astronomical Society*, 377, 759

**32. The N2K consortium. VII. Atmospheric parameters of 1907 metal-rich stars: Finding planet-search targets.**

Robinson, S., Ammons, M., Kretke, K., *Strader, J.*, Wertheimer, J., Fischer, D., Laughlin, G. 2007, *The Astrophysical Journal Supplements*, 169, 430

**31. Damp mergers: Recent gaseous mergers without significant globular cluster formation?**

Forbes, D., Proctor, R., *Strader, J.*, Brodie, J. 2007, *The Astrophysical Journal*, 659, 188

**2006**

**30. Globular clusters in Virgo ellipticals: Unexpected results for giants and dwarfs from ACS imaging.**

*Strader, J.*, Brodie, J., Spitler, L., Beasley, M. 2006, *The Astronomical Journal*, 132, 2333

**29. Extragalactic globular clusters and galaxy formation.**

Brodie, J., *Strader, J.* 2006, *Annual Reviews of Astronomy & Astrophysics*, 44, 193

**28. The N2K consortium. V. Identifying very metal-rich stars with low-resolution spectra: Finding planet-search targets.**

Robinson, S., *Strader, J.*, Ammons, M., Laughlin, G., Fischer, D. 2006, *The Astrophysical Journal*, 637, 1102

**27. The globular cluster system of the Virgo dwarf elliptical galaxy VCC 1087.**

Beasley, M., *Strader, J.*, Brodie, J., Cenarro, A. J., Geha, M. 2006, *The Astronomical Journal*, 131, 814

**26. HST/ACS wide-field photometry of the Sombrero galaxy globular cluster system.**

Spitler, L., Larsen, S., *Strader, J.*, Brodie, J., Forbes, D., Beasley, M. 2006, *The Astronomical Journal*, 132, 1593

**25. ChaMPlane discovery of candidate symbiotic binaries in Baade's and Stanek's windows.**

van den Berg, M., Grindlay, J., Laycock, S., Hong, J., Zhao, P., Koenig, X., Schlegel, E., Cohn, H., Lugger, P., Rich, R., Dupree, A., Smith, G., *Strader, J.* 2006, *The Astrophysical Journal Letters*, 647, 135

**24. An imaging study of the globular cluster systems of NGC 1407 and NGC 1400.**

Forbes, D., Sanchez-Blazquez, P., Phan, A., Brodie, J., *Strader, J.*, Spitler, L. 2006, *Monthly Notices of the Royal Astronomical Society*, 366, 1230

**23. The N2K consortium. IV. New temperatures and metallicities for 100,000+ FGK dwarfs.**

Ammons, M., Robinson, S., *Strader, J.*, Laughlin, G., Fischer, D., Wolf, A. 2005, *The Astrophysical Journal Supplements*, 638, 1004

**22. The N2K consortium. III. Short-period planets orbiting HD 149143 and HD 109749.**

Fischer, D., Laughlin, G., Marcy, G., Butler, P., Vogt, S., Johnson, J., Henry, G., McCarthy, C., Ammons, M., Robinson, S., *Strader, J.*, Valenti, J., McCullough, P., Charbonneau, D., Haislip, J., Knutson, H., Reichart, D., McGee, P., Monard, B., Wright, J., Ida, D., Sato, B., Minniti, D. 2006, *The Astrophysical Journal*, 637, 1094

**2005**

**21. Extragalactic globular clusters: Old spectroscopic ages and new views on their formation.**

*Strader, J.*, Brodie, J., Cenarro, A. J., Beasley, M., Forbes, D. 2005, *The Astronomical Journal*, 130, 1315

**20. Old globular clusters masquerading as young in NGC 4365?**

Brodie, J., *Strader, J.*, Denicolo, G., Beasley, M., Cenarro, J., Larsen, S., Kuntschner, H., Forbes, D. 2005, *The Astronomical Journal*, 129, 2643

**19. The N2K consortium. II. A transiting hot saturn around HD 149026 with a large dense core.**

Sato, B., Fischer, D., Henry, G., Laughlin, G., Butler, P., Marcy, G., Vogt, S., Bodenheimer, P., Ida, S., Toyota, E., Wolf, A., Valenti, J., Boyd, L., Johnson, J., Wright, J., Ammons, M., Robinson, S., *Strader, J.*, McCarthy, C., Tah, K., Minniti, D. 2005, *The Astrophysical Journal*, 633, 465

**18. Globular clusters in NGC 4365: New K-band imaging and a reassessment of the case for intermediate-age clusters.**

Larsen, S., Brodie, J., *Strader, J.* 2005, *Astronomy & Astrophysics*, 443, 413

17. **A hot wind from classical T Tauri Stars: TW Hydrae and T Tauri.**  
Dupree, A., Brickhouse, N., Smith, G., *Strader, J.* 2005, *The Astrophysical Journal Letters*, 625, 131

16. **Evolutionary history of the elliptical galaxy NGC 1052.**  
Pierce, M., Brodie, J., Forbes, D., Beasley, M., Proctor, R., *Strader, J.* 2005, *Monthly Notices of the Royal Astronomical Society*, 358, 419

15. **The chemical properties of Milky Way and Andromeda globular clusters: II. Stellar population model predictions.**  
Beasley, M., Brodie, J., *Strader, J.*, Forbes, D., Proctor, R., Barmby, P., Huchra, J. P. 2005, *The Astronomical Journal*, 129, 1412

14. **The N2K consortium. I. A hot saturn planet orbiting HD 88133.**  
Fischer, D., Laughlin, G., Butler, P., Marcy, G., Johnson, J., Henry, G., Valenti, J., Vogt, S., Ammons, M., Robinson, S., Spear, G., *Strader, J.*, Driscoll, P., Fuller, A., Johnson, T., Manrao, E., McCarthy, C., Munoz, M., Tah, K., Wright, J., Ida, S., Sato, B., Toyota, E., Minniti, D. 2005, *The Astrophysical Journal*, 620, 481

## 2004

13. **A principal components analysis of the Lick indices of Galactic globular clusters.**  
*Strader, J.*, Brodie, J. 2004, *The Astronomical Journal*, 128, 1671

12. **Metal-poor globular clusters and galaxy formation.**  
*Strader, J.*, Brodie, J., Forbes, D. 2004, *The Astronomical Journal*, 127, 3431

11. **Revisiting the globular cluster system of the merger remnant elliptical NGC 3610.**  
*Strader, J.*, Brodie, J., Forbes, D. 2004, *The Astronomical Journal*, 127, 295

10. **The globular cluster system of the Canis Major dwarf galaxy.**  
Forbes, D., *Strader, J.*, Brodie, J. 2004, *The Astronomical Journal*, 127, 3394

9. **Probing spectral line gradients beyond one effective radius in NGC 3610.**  
Howell, J., Brodie, J., *Strader, J.*, Forbes, D., Proctor, R. 2004, *The Astronomical Journal*, 128, 2749

8. **He I 10830 absorption in metal-poor red giants: Probing fast chromospheric outflows.**  
Smith, G., Dupree, A., *Strader, J.* 2004, *Publications of the Astronomical Society of the Pacific*, 116, 819

**7. The chemical properties of Milky Way and Andromeda globular clusters:  
I. A comparative study.**

Beasley, M., Brodie, J., *Strader, J.*, Forbes, D., Proctor, R., Barmby, P., Huchra, J. 2004, *The Astronomical Journal*, 128, 1623.

**2003**

**6. Spectroscopy of globular clusters in the Fornax dwarf galaxy.**

*Strader, J.*, Brodie, J., Forbes, D., Beasley, M., Huchra, J. 2003, *The Astronomical Journal*, 125, 1291

**5. Spectroscopy of a globular cluster in the Local Group dwarf NGC 6822.**

*Strader, J.*, Brodie, J., Huchra, J., 2003, *Monthly Notices of the Royal Astronomical Society*, 339, 707

**4. Keck spectroscopy of globular clusters in the elliptical galaxy NGC 3610.**

*Strader, J.*, Brodie, J., Schweizer, F., Larsen, S., Seitzer, P. 2003, *The Astronomical Journal*, 125, 626

**3. Hubble Space Telescope observations of globular cluster systems along the Hubble sequence of spiral galaxies.**

Goudfrooij, P., *Strader, J.*, Brenneman, L., Kissler-Patig, M., Huizinga, E. 2003, *Monthly Notices of the Royal Astronomical Society*, 343, 665

**2. Galaxy disruption in a halo of dark matter.**

Forbes, D., Beasley, M., Bekki, K., Brodie, J., *Strader, J.* 2003, *Science*, 301, 1217

**2002**

**1. Variable stars in the core of the globular cluster M3.**

*Strader, J.*, Everitt, H., Danford, S., 2002, *Monthly Notices of the Royal Astronomical Society*, 335, 621

# Non-Refereed Publications

## Telegrams and Circulars

### Astronomer's Telegrams:

17012; 16583; 16550; 16492; 16484; 16444; 16440; 16428; 16294; 16246; 16184; 16111;  
16018; 15956; 15910; 15518; 15502; 15473; 15395; 15392; 15355; 15318; 15270; 15201;  
15150; 15083; 15001; 14957; 14928; 14886; 14886; 14880; 14832; 14768; 14731; 14710;  
14694; 14692; 14568; 14564; 14535; 14533; 14530; 14528; 14458; 14421; 14413; 14405;  
14203; 14123; 14118; 14078; 14064; 14043; 14015; 14004; 13919; 13903; 13900; 13894;  
13872; 13868; 13867; 13804; 13653; 13648; 13573; 13517; 13449; 13377; 13288; 13260;  
13252; 13197; 13176; 13134; 13116; 13112; 13101; 13068; 13050; 13047; 13034; 13029;  
13027; 12975; 12963; 12947; 12907; 12889; 12853; 12843; 12842; 12817; 12795; 12751;  
12706; 12674; 12656; 12629; 12613; 12611; 12554; 12531; 12511; 12495; 12391; 12311;  
12142; 11968; 11959; 11878; 11867; 11857; 11646; 11610; 11607; 11590; 11561; 11475;  
11456; 11454; 11452; 11442; 11433; 11424; 11392; 11348; 11342; 11330; 11301; 11289;  
11210; 11209; 11132; 10977; 10959; 10894; 10850; 10843; 10816; 10772; 10764; 10740;  
10685; 10616; 10591; 10523; 10436; 10428; 10422; 10419; 10387; 10367; 10355; 10305;  
10273; 10265; 10227; 10071; 9940; 9897; 9860; 9850; 9771; 9736; 9669; 9550; 9538;  
9511; 9479; 9469; 9343; 9233; 8987; 8971; 8969; 8965; 8914; 8880; 8841; 7262; 6937;  
6555; 4777

GRB Coordinates Network Circulars: [GCN 25484](#); [GCN 24321](#); [GCN 12349](#)

## Conference Proceedings and White Papers

### 21. Radio pulsar populations.

Lorimer, D., Pol, N., Rajwade, K., Aggarwal, K., Agarwal, D., *Strader, J.*, Lewandowska, N., Kaplan, D., Cohen, T., Demorest, P., Fonseca, E., Chatterjee, S. 2019, arXiv: 1903.06526 (Science white paper for Astro2020 decadal survey)

### 20. Populations of black holes in binaries.

Maccarone, T., Chomiuk, L., Miller-Jones, J., Bellm, E., Breivik, K., Fryer, C., Kalogera, V., Larson, S., Orosz, J., Steiner, J., *Strader, J.*, Tomsick, J. 2019. (Science white paper for Astro2020 decadal survey)

### 19. Far-reaching science with resolved stellar populations in the 2020s.

Williams, B., Bell, E., Boyer, M., Bullock, J., Crnojevic, D., Dolphin, A., Durbin, M., D'Souza, R., Gilbert, K., Girardi, L., Gordon, K., Guhathakurta, P., Hendel, D., Johnson, C., Johnston, K., Khan, R., Kruk, J., McQuinn, K., Meixner, M., Monachesi, A., Pearson, S., Peebles, M., Price-Whelan, A., Rejkuba, M., Roman-Duval, J., Rose, B., Sand, D., Spergel, D., *Strader, J.*, van der Marel, R. Walker, M., Weinberg, D. 2019. (Science white paper for Astro2020 decadal survey)

**18. The Plane’s the thing: The case for Wide-Fast-Deep coverage of the Galactic Plane and Bulge.**

*Strader, J., Aydi, E., Britt, C., Burgasser, A., Chomiuk, L., Clarkson, W., Fields, B., Gandhi, P., Girardi, L., Gizis, J., Hogan, J., Johnson, M., Lauroesch, J., Liu, M., Maccarone, T., McGehee, P., Minniti, D., Mukai, K., Murphey, C. Tanner, Roman-Lopez, A., Scaringi, S., Sobek, J., Sokolovsky, K., Wang, X.* 2018, arXiv:1811.12433 (white paper for LSST cadence optimization)

**17. The definitive map of the Galactic Bulge.**

Gonzalez, O., Clarkson, W., Debattista, V., Johnson, C., Rich, R. M., Bono, G., Dall’Ora, M., Gizis, J., Kallivayalil, N., Kawata, D., Lucas, P., Minniti, D., Schiavon, R., *Strader, J., Street, R., Valenti, E., Zoccali, M.* 2018, arXiv:1812.08670 (white paper for LSST cadence optimization)

**16. Revealing the Galactic population of black holes.**

Maccarone, T., Chomiuk, L., *Strader, J., Miller-Jones, J., Sivakoff, G.* 2018, arXiv:1806.07270 (article for ngVLA Science Book)

**15. Science-driven optimization of the LSST observing strategy.**

LSST Science Collaborations (104 authors including *Strader, J.*) 2017, arXiv:1708.04058

**14. Resolving the extended stellar halos of nearby galaxies: the wide-field PISCeS survey.**

Crnojevic, D., Sand, D., Caldwell, N., Guhathakurta, P., McLeod, B., Seth, A., Simon, J., Strader, J., Toloba, E. 2016, in Proceedings of IAU Symposium #317, The General Assembly of Galaxy Halos: Structure, Origin and Evolution, ed. A. Bragaglia, M. Arnaboldi, M. Rejkuba, D. Romano (Cambridge University Press: Cambridge), 21

**13. Multi-wavelength selection and identification of gamma-ray blazar candidates.**

Paggi, A., D’Abrusco, R., Massaro, F., Landoni, M.; Milisavljevic, D., Masetti, N., Ricci, F., Jimenez-Bailon, E., Chavushyan, V., Giroletti, M., Smith, H., Margutti, R., Tosti, G., Martinez-Galarza, J., Oti-Floranes, H., Grindlay, J., Funk, S., Cheung, C., Chomiuk, L., *Strader, J.* 2015, in Proceedings of IAU Symposium #215, Extragalactic jets from every angle, ed. F. Massaro, C.C. Cheung, E. Lopez, A. Siemiginowska (Cambridge University Press: Cambridge), 58

**12. Incoherent transient radio emission from stellar-mass compact objects in the SKA era.**

Corbel, S., Miller-Jones, J., Fender, R., Gallo, E., Maccarone, T., O’Brien, T., Paragi, Z., Rupen, M., Rushton, A., Sabatini, S., Sivakoff, G., *Strader, J., Woudt, P.* 2015, in Proceedings of Science (AASKA14), Advancing Astrophysics with the Square Kilometre Array (arXiv:1501.04716)

**11. Kinematic transitions and streams in galaxy halos.**

Romanowsky, A., Arnold, J., Brodie, J., Foster, C., Forbes, D., Lux, H., Martinez-Delgado, D., *Strader, J.*, Zibetti, S., SLUGGS collaboration. 2014, in ASP Conference Series Vol. 486, Multi-Spin Galaxies, ed. E. Iodice, E. Corsini (San Francisco: Astronomical Society of the Pacific), 169

**10. Constraints on mass loss of globular clusters in dwarf galaxies.**

Larsen, S., *Strader, J.*, Brodie, J. 2012, Memorie della Societa Astronomica Italiana, 84, 38

**9. Space-based UV/Optical wide-field imaging and spectroscopy: Near-field cosmology and galaxy evolution using globular clusters in nearby galaxies.**

Goudfrooij, P., Brodie, J., Chandar, R., Gnedin, O., Rhode, K., Schweizer, F., *Strader, J.*, Vesperini, E., Whitmore, B., Zepf, S. 2012, arXiv:1209.3188

**8. Ages of globular cluster systems and the relation to galaxy morphology.**

Chies-Santos, A., Larsen, S., Kuntschner, H., Anders, P., Wehner, E., *Strader, J.*, Brodie, J., Santos, J. 2011, in Astrophysics and Space Science Proceedings, Environment and the Formation of Galaxies: 30 years later, ed. A. Pasquali (Springer-Verlag: Berlin), 95

**7. Probing the 2-D kinematic structure of early-type galaxies out to 3 effective radii.**

Proctor, R., Forbes, D., Romanowsky, A., Brodie, J., *Strader, J.*, Spolaor, M., Mendel, T., Spitler, L. 2010, in AIP Conference Proceedings 1240, Hunting for the Dark: The Hidden Side of Galaxy Formation, ed. V. Debattista, C. Popescu (American Institute of Physics), 339

**6. An optical/near-infrared survey of GCs in early-type galaxies.**

Chies-Santos, A., Larsen, S., Wehner, E., Kuntschner, H., *Strader, J.*, Brodie, J., Santos, J. 2010, in Proceedings of IAU Symposium #266, Star clusters: basic galactic building blocks throughout time and space, ed. R. de Grijs, J. Lepine (Cambridge University Press: Cambridge), 184

**5. LSST Science Book, Version 2.0.**

The LSST Science Collaboration (238 authors including *Strader, J.*) 2009, arXiv:0912.0201

**4. Stellar populations of globular clusters in NGC 1407.**

Cenarro, A. J., Brodie, J., Beasley, M., *Strader, J.* 2009, in ESO Astrophysics Symposia, Globular Clusters—Guides to Galaxies ed. T. Richtler, S. Larsen (Springer: Berlin), 293

**3. Intermediate-age globular clusters in M31.**

*Strader, J.* 2009, in ESO Astrophysics Symposia, Globular Clusters—Guides to Galax-

ies ed. T. Richtler, S. Larsen (Springer: Berlin), 203

**2. Extragalactic globular clusters: Unraveling galaxy formation and constraining stellar evolution theories.**

Cenarro, A. J., Beasley, M., *Strader, J.*, Brodie, J., Forbes, D. 2007, in Proceedings of IAU Symposium #241, Stellar Populations as Building Blocks of Galaxies, ed. A. Vazdekis, R. Peletier (Cambridge University Press: Cambridge), 445

**1. Stellar population gradients in early-type galaxies.**

Sanchez-Blazquez, P., Forbes, D., *Strader, J.*, Ocvirk, P., Brodie, J., Proctor, R. 2007, in Proceedings of IAU Symposium #241, Stellar Populations as Building Blocks of Galaxies, ed. A. Vazdekis, R. Peletier (Cambridge University Press: Cambridge), 391