Iair Arcavi

(pronounced "ya-eer")

Curriculum Vitae

July 17, 2025

Personal Information

Born: March 24, 1982, Israel.
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Languages: Hebrew, English, Spanish.

Research Interests

Core collapse supernovae and their massive-star progenitors; Tidal disruptions of stars by super-massive black holes; Electromagnetic counterparts of gravitational-wave sources; Asteroseismology of massive stars; Transient surveys, robotic observations and real-time rapid telescope triggering.

Positions

October 2024 - Current: **Director, Wise Observatory, Tel Aviv University, Israel.**

August 2023 - Current: **Associate Professor, Tel Aviv University, Israel.**

October 2018 - August 2023: Senior Lecturer (equivalent to Assistant Professor), Tel Aviv University, Israel.

September 2016 - August 2018: NASA Einstein Postdoctoral Fellow, University of California, Santa Barbara.

January 2014 - August 2016: Postdoctoral Fellow, Las Cumbres Observatory Global Telescope & Kavli Institute for Theoretical Physics, University of California, Santa Barbara.

September - December 2013: Visiting General Member, Kavli Institute for Theoretical Physics, University of California, Santa Barbara.

August - December 2013: Postdoctoral Fellow, Weizmann Institute of Science, Rehovot, Israel.

Education

Weizmann Institute of Science, Rehovot, Israel

Ph.D. in Physics, 2013

Thesis title: The Core Collapse Supernova Population: Revealing the Different Ways Through Which Massive Stars End Their Lives

Supervisor: Prof. Avishay Gal-Yam

Tel Aviv University, Tel Aviv, Israel

B.Sc. in Physics and Mathematics, Summa Cum Laude, 2007

Honors & Awards

The Chaim Langzem Excellence Scholarship, Tel Aviv University, 2005.

Dean's honor list, Faculty of Exact Sciences, Tel Aviv University, 2005.

Dean's honor list, Faculty of Exact Sciences, Tel Aviv University, 2007.

Dean's prize for M.Sc. students, Weizmann Institute of Science, 2011.

Dr. Moshe Gilboa Ph.D. Excellence Scholarship, Wolf Foundation, 2012.

Harvey L. Karp Discovery Award, UC Santa Barbara, 2015.

Einstein Postdoctoral Fellowship, NASA, 2016.

Alon Fellowship, Israel Council for Higher Education, 2018.

Azrieli Global Scholarship, Canadian Institute for Advanced Research, 2019.

Excellence in Teaching Award, Tel Aviv University, 2019, 2022, 2023, 2024.

Rector's Excellence in Teaching Award, Tel Aviv University, 2020, 2021.

Nathan Rosen Prize, Israel Physical Society, 2020.

Excellence in Innovation in Teaching Award, Tel Aviv University, 2023.

Observing Experience

30 nights with the 1 m telescope at the Wise Observatory, Israel.

20 nights with the 5 m Hale Telescope at the Palomar Observatory, California, USA.

11 nights with the 3.5 m New Technology Telescope at La Silla Observatory, Chile.

6 nights with the 10 m Keck Telescopes at the Mauna Kea Observatory, Hawaii, USA.

3 nights with the 4 m Mayall Telescope at the Kitt Peak National Observatory,

Arizona, USA.

2 nights with the 4.2 m William Herschel Telescope at the Roque de los Muchachos Observatory, La Palma, Spain.

PI of accepted proposals for observations with the *Hubble Space Telescope*:

- Cycle 21: Determining the Progenitor of SN2011dh as a Test of Supernova Shock Cooling Models (1 orbit)
- Cycle 24: What is Enhancing the Tidal Disruption Rate of Stars in Post-Starburst Galaxies? (25 orbits)
- Cycle 25: What Type of Star Made the One-of-a-kind Supernova iPTF14hls? (1 orbit)

PI of accepted proposal for combined observations with *Swift* and the JVLA:

- Cycle 11: A Window to Quiescent Massive Black Holes: Swift Followup of Tidal Disruption Flares
- Cycle 13: Tidal Disruption Events - A Window to Quiescent Super-Massive Black Holes and Accretion Physics

PI of accepted proposals for observations with the Las Cumbres Observatory network:

- 2014A: Asteroseismology of Massive Stars - Testing the Network's Continuous Observation Capabilities
- 2014B: Towards the First Sample of Tidal Disruption Light Curves and Spectra
- 2015A: LCOGT Optical Monitoring of Tidal Disruption Events in Conjunction with Swift and the JVLA
- 2015B: LCOGT Classification and Followup of Tidal Disruption Events in Conjunction with Swift and the JVLA
- 2016A – 2017AB: Classification and Followup of Tidal Disruption Events
- 2016A – 2017AB: Searching for Optical Counterparts to Gravitational Waves
- 2018A: Nearby Galaxy Reference Images for Gravitational Wave, Young Supernova and Nuclear Transient Followup
- 2018A – 2022B: Mapping the Diversity and Emission Mechanisms of Transients in Galaxy Centers
- 2018B – 2020B: Discovery and Follow-up of Optical Counterparts to Gravitational-Wave Events (Key Project)
- 2021A: Asteroseismology of Massive Stars
- 2021B – 2026A: Discovery and Follow-up of Optical Counterparts to Gravitational-Wave Events (Key Project)
- 2023B – 2026A: Constraining The Structure and Evolution of Massive Stars Through Multi-Band Asteroseismology (Key Project)

PI of accepted proposal for observations with Gemini:

- 2019B: Mapping the Diversity and Emission Mechanisms of SMBH-Related Transients

PI of accepted proposal for observations with the Liverpool Telescope:

- 2021A (via OPTICON): Mapping the Diversity and Emission Mechanisms of Transients in Galaxy Centers

PI of accepted DDT proposal for observations with the JVLA:

- What is Powering SN 2011dh at Late Times? A VLA Investigation

Responsible for the Palomar Transient Factory core collapse supernova followup effort.

Chair of the TDE working group for PESSTO, BlackGEM and ULTRASAT.

Deputy chair of TDE working group for SoXS.

Chair of the "Extreme Supernovae" working group for SoXS.

Member of the Executive Committee and Multi-Messenger Survey Design Group for LS4.

Grants

Harvey L. Karp Discovery Award, "Seeing the Invisible: A New Tool for Discovering and Studying Supermassive Black Holes", 2015: $48,000

Swift-GI-1114220, 2015, "A Window to Quiescent Massive Black Holes: Swift Followup of Tidal Disruption Flares": $39,972

Einstein Fellowship Research Award, "The First Transient Survey of Post-Merger Galaxies - Constraining Models of TDEs, Galaxy Dynamics and SMBH Binaries", 2016-2017: $206,299

Hubble Space Telescope Observing Grant, "What is Enhancing the Tidal Disruption Rate of Stars in Post-Starburst Galaxies?", 2017: $114,282

Swift-GI-1316192, "Tidal Disruption Events - A Window to Quiescent Supermassive Black Holes and Accretion Physics", 2017: $39,981

LSSTC Grant Award 2017-UG09, "Producing the First MAF Metrics for Tidal Disruption Science With LSST", 2017: $6,455

Hubble Space Telescope Observing Grant, "What Type of Star Made the One-of-a-kind Supernova iPTF14hls?", 2018: $10,960

Alon Fellowship, 2018-2021: ∼1,000,000 NIS (∼$270,000)

Israel Science Foundation Personal Grant, "New Types of Transients in Galaxy Centers as Tools for Studying Supermassive Black Holes", 2018: 278,000 NIS (∼$76,000)

United States - Israel Binational Science Foundation, "lluminating Gravitational

Waves with Rapid Global Followup", 2019-2023: $162,800
with D. A. Howell

Canadian Institute for Advanced Research Azrieli Global Scholarship, 2019-2020: $100,000 CAD (∼$75,000)

Tel Aviv University Vice President Research Encouragement Grant, 2019: 30,000 NIS (∼$8,500)

Israel Science Foundation Center of Excellence Grant, "Illuminating gravitational wave transients: The electromagnetic emission from mergers involving neutron stars", 2019-2023: 8,167,080 NIS (∼$2,200,000)
with E. Waxman, A. Gal-Yam, E. Ofek, D. Kushnir, E. Behar (divided equally)

European Research Council Starting Grant, "The Many Flavours of Stellar Demise: Supernovae, Tidal Disruption Events, and Neutron Star Mergers", 2020-2025: 1,998,625 Eur (∼$2,188,045)

Pazi Foundation, "Understanding Massive Stars and Their Explosions: A Joint Theoretical - Observational Approach", 2022-2026: 299,000 NIS (∼$93,000)
with A. Gilkis and E. Sagi (all funding to I. Arcavi)

Canadian Institute for Advanced Research Leadership Development Fund, 2022: $5,000 CAD (∼$3,700)

Israel Science Foundation Workshop Grant, "Gravitational Wave Physics and Astronomy Workshop", 2024-2025: 70,000 NIS (∼$20,000)

Israel Science Foundation Personal Grant, "The Global Asteroseismology Project: Asteroseismology of Massive Stars with a Global Network of Telescopes", 2024: 248,000 NIS (∼$67,000)

Canadian Institute for Advanced Research Catalyst Grant, 2025: $25,000 CAD (∼$17,000)
with M.Drout, D. Haggard, R. Hlozek

Teaching Experience

Lecturer of the course Introduction to Astrophysics for Physics students, Tel Aviv University, 2025-.

Lecturer of the course Classical Physics 1 (Classical Mechanics) for Physics students, Tel Aviv University, 2022-.

Lecturer of the course Introduction to Astrophysics for non-science majors, Tel Aviv University, 2019-.

Lecturer of the course Physics A (Classical Mechanics) for Life Sciences students, Tel Aviv University, 2019-2024.

Lecturer of the course Physics B (Electricity and Magnetism) for Life Sciences students, Tel Aviv University, 2019-2021.

Visiting lecturer for undergraduate astronomy courses at UC Santa Barbara and

the Santa Barbara City College, 2015-2018.

Lecturer of the course Introduction to Astrophysics, Interdisciplinary Center (IDC), Herzelia, 2011-2013.

Teaching Assistant in the Rothschild program for teachers (Introductions to Astrophysics, Electromagnetism) and in a graduate course (Introduction to Astrophysics), Weizmann Institute of Science, 2010-2013.

Teaching Assistant in the undergraduate courses Physics 1 & 2 and Calculus 1 & 2, Faculty of Agriculture, Hebrew University, 2008-2013.

Mentoring of high-school, undergraduate and graduate students as part of the Dr. Bessie F. Lawrence International Summer Science Institute, the Amos De Shalit Summer School and the course Experimental Projects, Weizmann Institute of Science, 2010-2012.

Visiting lecturer to high school students, "Young @ Science", Weizmann Institute of Science, 2010-2013.

Visiting lecturer at teacher courses for the Science Teaching Dept. at the Weizmann Institute of Science, the Davidson Institute of Science Education and the Talpiot Academic College for Education, 2005-2010.

Active Participation in Scientific Meetings

Year	Meeting	Activity
2027	The Dynamic Lives and Deaths of Massive Stars [Future] Santa Barbara, CA, USA	**Lead Coordinator**
2026	IAUS 406: The Future Landscape of Astrophysical Transients [Future] Turku, Finland	**Invited Review Talk**
2025	Gravitational Wave Physics & Astronomy Workshop [Future] Atlanta, GA, USA	SOC Member
2025	100 Years of Supernova Science [Future] Stockholm, Sweden	Contributed Talk
2025	JWST Summer School: High Redshift Transients with JWST [Future] Balitmore, MD, USA	**Invited Lecturer**
2025	EAS Annual Meeting Cork, Ireland	Special-Session SOC Member

		Contributed Talk
2025	X-ray Quasi-Periodic Eruptions and Repeating Nuclear Transients Madrid, Spain	**Invited Review Talk**
2025	Mind... The Science Rehovot, Israel	**Invited Talk**
2025	LS4 First Science Meeting Evanston, IL, USA	**Invited Talk**
2024	Transient Phenomena and Physical Processes Around Supermassive Black Holes Shanghai, China	**Invited Talk**
2024	Tidal Disruption Events and Nuclear Transients: Entering the Data-Rich Era Heraklion, Crete	**Invited Talk**
2024	Multi-messenger Transients from Binary Mergers & Stellar Explosions Aspen, CO, USA	**Invited Talk**
2024	COSPAR 2024 Scientific Assembly Busan, South Korea	SOC Member Talk
2024	Gravitational Wave Physics & Astronomy Workshop Birmingham, UK	**SOC Chair**
2024	Towards a Physical Understanding of Tidal Disruption Events Santa Barbara, CA, USA	**Invited Talk**
2024	HEAD-21 Horseshoe Bay, TX, USA	**Session Organizer, Invited Panel Member**
2024	FEET 24 Thinkshop Bormio, Italy	**Invited Participation**

2024	Stars With Lars Santa Barbara, CA, USA	**Invited Talk**
2024	Transients Down Under Melbourne, Australia	**Invited Review Talk**
2023	Supernova Explosions Haifa, Israel	**Invited Review Talk**
2023	The TESS/Kepler Asteroseismic Science Consortium Workshop Honolulu, Hawaii	Talk
2023	EAS Annual Meeting Krakow, Poland	**Special Session SOC Co-Chair**
2023	The Renaissance of Stellar Black-Hole Detections in The Local Group Leiden, Netherlands	**Invited Review Talk**
2023	BlackGEM Science Meeting Nijmegen, Netherlands	Talk
2023	CIFAR GEU Annual Meeting Canmore, Canada	Talk
2023	The First UVEX Community Workshop Pasadena, CA	**Invited Talk**
2023	The Time Domain in the Era of Big Data Mitzpe Ramon, Israel	SOC Member
2023	Black Holes - From Theory to Observations Tel Aviv, Israel	**Invited Talk**
2023	241st AAS Meeting Seattle, WA, USA (attended remotely)	**Invited Talk**
2022	Gravitational Wave Physics & Astronomy Workshop Melbourne, Australia	SOC Member Panel Chair
2022	Plasmas in Strong Gravity	Accepted

	Aspen, CO, USA	Participation
2022	Illuminating Gravitational Waves: Electromagnetic Counterparts to Neutron Star Mergers Rehovot, Israel	**SOC Chair**
2022	CIFAR GEU Annual Meeting Montreal, Canada	Talk
2022	HEAD-19 Pittsburgh, PA, USA	**Invited Talk**
2021	Gravitational Wave Physics & Astronomy Workshop Hanover, Germany	SOC Member
2021	CIFAR GEU Meeting Virtual	Talk
2021	ULTRASAT Science Workshop Rehovot, Israel	SOC Member Talk
2021	EAS Annual Meeting Virtual	Special Session SOC Member
2021	Rubin-Athena Synergy Workshop Virtual	**Invited Talk**
2021	Gaia Alerts Workshop Virtual	**Invited Talk**
2020	The CogX Global Leadership Summit and Festival of AI & Breakthrough Technology Virtual	**Invited Talk**
2020	Tidal Disruptions in Kyoto: Confronting Theory With Observations Kyoto, Japan	SOC Member
2019	Gaia Alerts Workshop Catania, Italy	**Invited Talk**

2019	Gravitational Wave Physics & Astronomy Workshop Tokyo, Japan	SOC Member
2019	Black Holes and Neutron Stars with Gravitational Waves Kyoto, Japan	**Invited Review Talk**
2019	The Extragalactic Explosive Universe Garching, Germany	**Invited Review Talk**
2019	Astrophysics in the LIGO/Virgo Era Aspen, CO, USA	Accepted Participation
2019	BlackGEM Science Meeting Nijmegen, The Netherlands	Talk
2019	Enabling Multi-Messenger Astrophysics in the Big Data Era Baltimore, MD, USA	**Invited Review Talk**
2019	The Deaths and Afterlives of Stars Baltimore, MD, USA	**Invited Review Talk**
2019	21st Century Software and Data Analysis Tools for Physics and Astronomy Tel Aviv, Israel	**SOC Chair**
2019	Radio Astronomy - A Time Domain Perspective Jerusalem, Israel	**Invited Talk**
2019	Astronomical Time Series 2019 Heidelberg, Germany	**Invited Talk**
2018	Gravitational Wave Physics & Astronomy Workshop College Park, MD, USA	SOC Member
2018	Massive Stars and Supernovae	Talk

	Bariloche, Argentina	
2018	Using Tidal Disruption Events to Study Super-Massive Black Holes Bern, Switzerland	Convener
2018	Adventures in Astrophysics - A Symposium honoring Alex Filippenko's 60th Birthday Aptos, CA, USA	**Invited Talk**
2018	Transients in New Surveys: the Undiscovered Country Leiden, The Netherlands	**Invited Talk**
2018	Unsolved Problems in Astrophysics and Cosmology Budapest, Hungary	**Invited Talk**
2018	SciFoo Mountain View, CA, USA	Invited Participation
2018	Shocking Supernovae Stockholm, Sweden	**Invited Talk**
2018	ISSI Team Meeting: Using Tidal Disruption Events to Study Super-Massive Black Holes Bern, Switzerland	Convener
2018	LIGO-EM Town Hall Boston, MA, USA	Talk
2018	The Transient Universe Singapore	**Invited Talks**
2018	231st AAS Meeting Washington, DC, USA	Talk
2017	GW170817: The First Double Neutron Star Merger Santa Barbara, CA, USA	**Invited Talk**
2017	IAU Symposium 338 Baton Rouge, LA, USA	Talk

2017	Einstein Symposium Boston, MA, USA	Talk
2017	TDE17: Piercing the Sphere of Influence Cambridge, UK	**Invited Talk**
2017	Ringberg Supernova Workshop Tegernsee, Germany	Talk
2017	European Week of Astronomy and Space Science Prague, Czech Republic	**Invited Review Talk**
2017	ISSI Team Meeting: Using Tidal Disruption Events to Study Super-Massive Black Holes Bern, Switzerland	**Invited Talk**
2017	Generation-GW: Diving into Gravitational Waves St. Thomas, US Virgin Islands	**Invited Talk**
2017	Phenomena, Physics, and Puzzles Of Massive Stars and their Explosive Outcomes Santa Barbara, CA, USA	**Invited Talks**
2016	ISSI Team Meeting: Using Tidal Disruption Events to Study Super-Massive Black Holes Bern, Switzerland	**Invited Talk**
2016	Einstein Symposium Boston, MA, USA	Talk
2016	MIAPP Workshop: Supernovae - The Outliers Munich, Germany	**Invited Review Talk**
2016	Supernovae Through the Ages Easter Island, Chile	Talk
2016	European Week of Astronomy and Space Science Athens, Greece	Symposium Co-Chair Talk

2016	228th AAS Meeting San Diego, CA, USA	Poster
2016	Use of Small Telescopes in the Giant Era Chianti, Italy	**Invited Talk**
2016	LSST Transient and Variable Science Workshop Chicago, IL, USA	Talk
2016	227th AAS Meeting Kissimmee, FL, USA	Talk
2015	AMON Workshop Penn State, USA	**Invited Talk**
2015	TDE School & Workshop Jerusalem, Israel	Initiator SOC Member Talks
2015	Big Data in Astronomy Workshop Tel Aviv, Israel	**Invited Talk**
2015	Gaia Transients Workshop Cambridge, UK	Talk
2015	iPTF Summer School Pasadena, CA, USA	**Invited Talk**
2015	PESSTO Meeting Paris, France	Talks
2015	Hotwiring the Transient Universe IV Santa Barbara, CA, USA	Talks
2015	225th AAS Meeting Seattle, WA, USA	Talk
2014	60th Meeting of the Israeli Physical Society Be'er Sheva, Israel	Talk
2014	I-Core Transients' Unsolved Mysteries Workshop	**Invited Talk**

	Eilat, Israel, 2014	
2014	iPTF Summer School Pasadena, CA, USA	**Invited Talks**
2014	iPTF Science Workshop Stockholm, Sweden	Talk
2013	Hotwiring the Transient Universe III Santa Fe, NM, USA	Talk
2013	iPTF Science Workshop Santa Barbara, CA, USA	Talk
2013	Supernovae and Gamma-Ray Bursts Kyoto, Japan	Talk
2013	iPTF Technical Workshop Pasadena, CA, USA	**Invited Talk**
2013	221st AAS Meeting Long Beach, CA, USA	Thesis Talk
2012	58th Meeting of the Israeli Physical Society Jerusalem, Israel	Talk
2012	PTF Workshop Santa Barbara, CA, USA	Talk
2012	GRBs in the Era of Rapid Follow-up Liverpool, UK	**Invited talk**
2012	Fireworks Oxford, UK	Talk
2012	IAU Symposium 279 Nikko, Japan	Talk
2011	IAU Symposium 285 Oxford, UK	Poster
2011	PTF Workshop Santa Barbara, CA, USA	Talk

2011	Fireworks	Invited talk
	Pasadena, CA, USA	
2011	56th Meeting of the Israeli Physical Society	Poster
	Tel Aviv, Israel	
2011	The Cosmic Enigma	Poster
	London, UK	
2011	PTF Workshop	Talk
	Santa Barbara, CA, USA	
2010	Progenitors and Environments of Stellar Explosions	**Invited talk**
	Paris, France	Poster
2009	214th AAS Meeting	Poster
	Pasadena, CA, USA	

Invited Seminars and Colloquia

Center for Interdisciplinary Exploration and Research in Astrophysics, Northwestern University, Observers Group Meeting Talk, March 2025

Institute of Science and Technology Austria, Astronomy Seminar, December 2024

Institute for Advanced Study & Princeton University, Astrophysics Colloquium, November 2024

Tel Aviv University, Astrophysics Seminar, November 2024

Caltech, Astornomy Colloquium, October 2024

National Observatory of Athens, IAASARS Seminar, September 2024

UC Santa Barbara, Astro Lunch, May 2024

Technion, Israel Institute of Technology, Physics Colloquium, July 2023

University of Edinburgh, UK, Astrophysics Seminar, June 2022

Open University, Israel, ARCO Seminar, March 2022

DESY Zeuthen, Germany, Astroparticle Seminar, May 2021

Carnegie Observatories, Colloquium, May 2021

MIT, Astrophysics Colloquium, April 2021

Ben Gurion University, Israel, Astrophysics Seminar, March 2021

University of Turku, Finland, Astrophysics Seminar, November 2020

Institute of Astronomy, KU Leuven, Belgium, Colloquium, November 2020

Hebrew University of Jerusalem, Israel, High-Energy Astrophysics Seminar, May 2020

University of Warsaw, Poland, Astronomy Seminar, June 2019

Bar-Ilan Univeristy, Israel, Physics Colloquium, May 2019

Albert Einstein Institute, Potsdam, Germany, Astrophysical and Cosmological

Relativity Seminar, February 2019

University of Colorado, Boulder, APS Colloquium, November 2017

NOAO & Steward Observatory Joint Colloquium, May 2017

UC Berkeley, TAC Seminar, February 2017

UC Davis, Cosmology Seminar, October 2016

Tel Aviv University, Physics Colloquium, November 2015

Georgia Tech, CRA Seminar, October 2015

Hebrew University of Jerusalem, Astrophysics Seminar, December 2014

UC Santa Barbara, Astrophysics Seminar, March 2014

Ohio State University, Center for Cosmology and AstroParticle Physics Seminar, October 2013

Stockholm University, Oskar Klein Center for Cosmoparticle Physics Colloquium, August 2013

San Diego State University, Astrophysics Colloquium, July 2013

Weizmann Institute of Science, Annual Physics Students Colloquium, June 2013

Tel Aviv University, Astrophysics Seminar, February 2013

Technion, Israel Institute of Technology, Astrophysics Seminar, November 2012

American Museum of Natural History, Astrophysics Seminar, November 2012

Current Postdocs & Graduate Students

Sara Faris, PhD Student (tidal disruption events), 2023-.

Sondos Mohsen, PhD Student (supernovae), 2023-.

Noi Shitrit, PhD Student (asteroseismology of massive stars), 2022-.

Yael Dgany, MSc Student (tidal disruption events), 2023-.

Tomer Katz, MSc Student (massive stars as supernova progenitors), 2023-.

Ido Keinan, MSc Student (followup of gravitational-wave events), 2021-.

Former Postdocs & Graduate Students

Rachel Bruch, Postdoc (supernovae), 2023-2024.
Moved to industry.

Avishai Gilkis, Postdoc (massive stars and supernovae, first year with Dan Maoz), 2021-2023.
Moved to the University of Cambridge.

Marco Lam, Postdoc (astronomical software, with Dan Maoz), 2020-2023.

Moved to the University of Edinburgh.

Wenxiong Li, Postdoc (rapidly evolving transients, first year with Ehud Nakar), 2020-2023.
Moved to the National Astronomical Observatories of China.

Lydia Makrygianni, Postdoc (supermassive black hole related transients, with Benny Trakhtenbrot), 2020-2023.
Moved to Lancaster University.

Cristina Barbarino, Postdoc (supernovae, with Ehud Nakar), 2020-2021.
Moved to the private sector.

Sondos Mohsen, MSc Student (supernovae), 2020-2023.
Continued to PhD.

Noi Shitrit, MSc Student (asteroseismology of massive stars), 2019-2022.
Continued to PhD.

Sara Faris, MSc Student (tidal disruption events), 2019-2023.
Continued to PhD.

Service

Referee for ApJ, ApJL, MNRAS, A&A, PASJ, Nature, Nature Astronomy.

Review work for NASA panels (*JWST*, *HST* DDT, NPP, NESSF, ADAP).

Review work for the Israeli Ministry of Science, Technology and Space (Israel Science Foundation, Israel Space Agency).

Review work for the United States - Israel Binational Science Foundation.

Review work for the NOAO, NAOC, Las Cumbres Observatory and Liverpool Telescope time allocation committees.

Member of the Lasair Users Group, 2024-.

Member of the Las Cumbres Observatory Science Advisory Committee, 2023-.

Member of the committee for innovation in teaching, Faculty of Exact Sciences, Tel Aviv University, 2021-.

Astrophysics seminar organizer, School of Physics and Astronomy, Tel Aviv University, 2020-2022.

Member of the ad-hoc committee for technical means for online teaching, Faculty of Exact Sciences, Tel Aviv University, 2020.

Member of the Executive Committee of the Israel Physical Society (IPS) Division of Astronomy, Planetary and Space Sciences (DAPSS), 2019-.

Co-Editor for the International Space Science Institute book on Tidal Disruption Events (published by Springer), 2019-2022.

Colloquium organizer, School of Physics and Astronomy, Tel Aviv University,

2019.

Head of the TDE Subgroup of the Transients and Variable Stars Science Collaboration for LSST, 2016-2019.

Outreach Activities

Founder, organizer and host at Astronomy on Tap Tel Aviv, 2019-.

Speaker at Ichilov Hospital, Tel Aviv, 2023.

Guest at the "Little Big Science" podcast, 2020.

Conversations with middle- and high-school students as part of the Davidson Institute's "Scientist Online" program, 2020-.

Speaker at "Pausa", Tel Aviv University, 2019.

Speaker at "Women Scientists of the Future", Tel Aviv Univeristy, 2018-2020.

Speaker and panelist at the San Diego Comic Fest, 2018.

Founder, organizer, host and speaker at Astronomy on Tap Santa Barbara, speaker at the Santa Barbara City College Astronomy Club, Cafe KITP, the Santa Barbara Astronomical Unit, 2014-2018.

Speaker at the Israeli Astronomical Association, the Davidson Institute of Science Education, the Givatayim Rotary Club, Science on Tap Tel Aviv and others, 2011-2013.

Writing for the Israeli popular science magazine "Galileo", 2011-2013.

Astronomical field trips, tours of the Wise Observatory and lectures as part of the "Astronomy for All" activity at the Davidson Institute of Science Education and as part of Weizmann Student Council events, 2010-2013.

Guidance at Wise Observatory open days, 2010-2012.

Bi/Weekly translations of the Astronomy Picture of the Day (APOD) into Hebrew, 2010-2011.

Other Activities

Chairman of the Student Council, Weizmann Institute of Science, 2012.

Vice-Chairman of the Student Council, Weizmann Institute of Science, 2011.

Refereed Articles

Citations: 22,323
H-Index: 78

1. Gal-Yam, A., Mazzali, P., Ofek, E. O., et al., 2009, *Supernova 2007bi as a pair-instability explosion*, Nature, 462, 624
2. Fraser, M., Takáts, K., Pastorello, A., et al., 2010, *On the Progenitor and Early Evolution of the Type II Supernova 2009kr*, The Astrophysical Journal, 714, L280
3. Perets, H. B., Gal-Yam, A., Mazzali, P. A., et al., 2010, *A faint type of supernova from a white dwarf with a helium-rich companion*, Nature, 465, 322
4. **Arcavi, I.**, Gal-Yam, A., Kasliwal, M. M., et al., 2010, *Core-collapse Supernovae from the Palomar Transient Factory: Indications for a Different Population in Dwarf Galaxies*, The Astrophysical Journal, 721, 777
5. Kasliwal, M. M., Kulkarni, S. R., Gal-Yam, A., et al., 2010, *Rapidly Decaying Supernova 2010X: A Candidate ".Ia" Explosion*, The Astrophysical Journal, 723, L98
6. Ofek, E. O., Rabinak, I., Neill, J. D., et al., 2010, *Supernova PTF 09UJ: A Possible Shock Breakout from a Dense Circumstellar Wind*, The Astrophysical Journal, 724, 1396
7. Perets, H. B., Badenes, C., **Arcavi, I.**, et al., 2011, *An Emerging Class of Bright, Fast-evolving Supernovae with Low-mass Ejecta*, The Astrophysical Journal, 730, 89
8. Kasliwal, M. M., Kulkarni, S. R., **Arcavi, I.**, et al., 2011, *PTF 10fqs: A Luminous Red Nova in the Spiral Galaxy Messier 99*, The Astrophysical Journal, 730, 134
9. Smith, A. M., Lynn, S., Sullivan, M., et al., 2011, *Galaxy Zoo Supernovae*, Monthly Notices of the Royal Astronomical Society, 412, 1309
10. Sullivan, M., Kasliwal, M. M., Nugent, P. E., et al., 2011, *The Subluminous and Peculiar Type Ia Supernova PTF 09dav*, The Astrophysical Journal, 732, 118
11. Quimby, R. M., Kulkarni, S. R., Kasliwal, M. M., et al., 2011, *Hydrogen-poor superluminous stellar explosions*, Nature, 474, 487
12. Gal-Yam, A., Kasliwal, M. M., **Arcavi, I.**, et al., 2011, *Real-time Detection and Rapid Multiwavelength Follow-up Observations of a Highly Subluminous Type II-P Supernova from the Palomar Transient Factory Survey*, The Astrophysical Journal, 736, 159
13. Fraser, M., Ergon, M., Eldridge, J. J., et al., 2011, *SN 2009md: another faint supernova from a low-mass progenitor*, Monthly Notices of the Royal

Astronomical Society, 417, 1417

14. Corsi, A., Ofek, E. O., Frail, D. A., et al., 2011, *PTF 10bzf (SN 2010ah): A Broad-line Ic Supernova Discovered by the Palomar Transient Factory*, The Astrophysical Journal, 741, 76

15. Drout, M. R., Soderberg, A. M., Gal-Yam, A., et al., 2011, *The First Systematic Study of Type Ibc Supernova Multi-band Light Curves*, The Astrophysical Journal, 741, 97

16. Van Dyk, S. D., Li, W., Cenko, S. B., et al., 2011, *The Progenitor of Supernova 2011dh/PTF11eon in Messier 51*, The Astrophysical Journal, 741, L28

17. **Arcavi, I.**, Gal-Yam, A., Yaron, O., et al., 2011, *SN 2011dh: Discovery of a Type IIb Supernova from a Compact Progenitor in the Nearby Galaxy M51*, The Astrophysical Journal, 742, L18

18. Maguire, K., Sullivan, M., Thomas, R. C., et al., 2011, *PTF10ops - a subluminous, normal-width light curve Type Ia supernova in the middle of nowhere*, Monthly Notices of the Royal Astronomical Society, 418, 747

19. Kiewe, M., Gal-Yam, A., **Arcavi, I.**, et al., 2012, *Caltech Core-Collapse Project (CCCP) Observations of Type IIn Supernovae: Typical Properties and Implications for Their Progenitor Stars*, The Astrophysical Journal, 744, 10

20. Smith, N., Cenko, S. B., Butler, N., et al., 2012, *SN 2010jp (PTF10aaxi): a jet in a Type II supernova*, Monthly Notices of the Royal Astronomical Society, 420, 1135

21. Corsi, A., Ofek, E. O., Gal-Yam, A., et al., 2012, *Evidence for a Compact Wolf-Rayet Progenitor for the Type Ic Supernova PTF 10vgv*, The Astrophysical Journal, 747, L5

22. Cenko, S. B., Bloom, J. S., Kulkarni, S. R., et al., 2012, *PTF10iya: a short-lived, luminous flare from the nuclear region of a star-forming galaxy*, Monthly Notices of the Royal Astronomical Society, 420, 2684

23. Parrent, J. T., Howell, D. A., Friesen, B., et al., 2012, *Analysis of the Early-time Optical Spectra of SN 2011fe in M101*, The Astrophysical Journal, 752, L26

24. Drout, M. R., Soderberg, A. M., Gal-Yam, A., et al., 2012, *ERRATUM: "The First Systematic Study of Type IBC Supernova Multi-band Light-curves" ¡A href="/abs/2011ApJ...741...97D"¿(2011, ApJ, 741, 97)¡/A¿*, The Astrophysical Journal, 753, 180

25. Kasliwal, M. M., Kulkarni, S. R., Gal-Yam, A., et al., 2012, *Calcium-rich Gap Transients in the Remote Outskirts of Galaxies*, The Astrophysical Journal, 755, 161

26. Ofek, E. O., Laher, R., Surace, J., et al., 2012, *The Palomar Transient Factory photometric catalog 1.0*, Publications of the Astronomical Society of the Pacific, 124, 854

27. Van Dyk, S. D., Cenko, S. B., Poznanski, D., et al., 2012, *The Red Supergiant Progenitor of Supernova 2012aw (PTF12bvh) in Messier 95*, The Astrophysical Journal, 756, 131

28. **Arcavi, I.**, Gal-Yam, A., Cenko, S. B., et al., 2012, *Caltech Core-Collapse Project (CCCP) Observations of Type II Supernovae: Evidence for Three Distinct Photometric Subtypes*, The Astrophysical Journal, 756, L30

29. Barone-Nugent, R. L., Lidman, C., Wyithe, J. S. B., et al., 2012, *Near-infrared observations of Type Ia supernovae: the best known standard candle for cosmology*, Monthly Notices of the Royal Astronomical Society, 425, 1007

30. Maguire, K., Sullivan, M., Ellis, R. S., et al., 2012, *Hubble Space Telescope studies of low-redshift Type Ia supernovae: evolution with redshift and ultraviolet spectral trends*, Monthly Notices of the Royal Astronomical Society, 426, 2359

31. Ben-Ami, S., Gal-Yam, A., Filippenko, A. V., et al., 2012, *Discovery and Early Multi-wavelength Measurements of the Energetic Type Ic Supernova PTF12gzk: A Massive-star Explosion in a Dwarf Host Galaxy*, The Astrophysical Journal, 760, L33

32. Ofek, E. O., Fox, D., Cenko, S. B., et al., 2013, *X-Ray Emission from Supernovae in Dense Circumstellar Matter Environments: A Search for Collisionless Shocks*, The Astrophysical Journal, 763, 42

33. Ofek, E. O., Sullivan, M., Cenko, S. B., et al., 2013, *An outburst from a massive star 40 days before a supernova explosion*, Nature, 494, 65

34. Hachinger, S., Mazzali, P. A., Sullivan, M., et al., 2013, *The UV/optical spectra of the Type Ia supernova SN 2010jn: a bright supernova with outer layers rich in iron-group elements*, Monthly Notices of the Royal Astronomical Society, 429, 2228

35. **Arcavi, I.**, Gal-Yam, A., & Sergeev, S. G., 2013, *Supernova 2003ie Was Likely a Faint Type IIP Event*, The Astronomical Journal, 145, 99

36. Levitan, D., Kupfer, T., Groot, P. J., et al., 2013, *Five new outbursting AM CVn systems discovered by the Palomar Transient Factory*, Monthly Notices of the Royal Astronomical Society, 430, 996

37. Barone-Nugent, R. L., Lidman, C., Wyithe, J. S. B., et al., 2013, *Erratum: Near-infrared observations of type Ia supernovae: The best known standard candle for cosmology*, Monthly Notices of the Royal Astronomical Society, 432, L90

38. Terziev, E., Law, N. M., **Arcavi, I.**, et al., 2013, *Millions of Multiples: Detecting and Characterizing Close-separation Binary Systems in Synoptic Sky Surveys*, The Astrophysical Journal Supplement Series, 206, 18

39. Silverman, J. M., Nugent, P. E., Gal-Yam, A., et al., 2013, *Type Ia Supernovae Strongly Interacting with Their Circumstellar Medium*, The Astrophysical Journal Supplement Series, 207, 3

40. Cao, Y., Kasliwal, M. M., **Arcavi, I.**, et al., 2013, *Discovery, Progenitor and Early Evolution of a Stripped Envelope Supernova iPTF13bvn*, The Astrophysical Journal, 775, L7

41. Singer, L. P., Cenko, S. B., Kasliwal, M. M., et al., 2013, *Discovery and Redshift of an Optical Afterglow in 71 deg^2: iPTF13bxl and GRB 130702A*, The Astrophysical Journal, 776, L34

42. Horesh, A., Kulkarni, S. R., Corsi, A., et al., 2013, *PTF 12gzk—A Rapidly Declining, High-velocity Type Ic Radio Supernova*, The Astrophysical Journal, 778, 63

43. Helou, G., Kasliwal, M. M., Ofek, E. O., et al., 2013, *The Mid-infrared Light Curve of Nearby Core-collapse Supernova SN 2011dh (PTF 11eon)*, The Astrophysical Journal, 778, L19

44. Silverman, J. M., Vinko, J., Kasliwal, M. M., et al., 2013, *SN 2000cx and SN 2013bh: extremely rare, nearly twin Type Ia supernovae*, Monthly Notices of the Royal Astronomical Society, 436, 1225

45. Horesh, A., Stockdale, C., Fox, D. B., et al., 2013, *An early and comprehensive millimetre and centimetre wave and X-ray study of SN 2011dh: a non-equipartition blast wave expanding into a massive stellar wind*, Monthly Notices of the Royal Astronomical Society, 436, 1258

46. Ofek, E. O., Zoglauer, A., Boggs, S. E., et al., 2014, *SN 2010jl: Optical to Hard X-Ray Observations Reveal an Explosion Embedded in a Ten Solar Mass Cocoon*, The Astrophysical Journal, 781, 42

47. **Arcavi, I.**, 2014, *The core collapse supernova population*, Ph.D. Thesis,

48. Corsi, A., Ofek, E. O., Gal-Yam, A., et al., 2014, *A Multi-wavelength Investigation of the Radio-loud Supernova PTF11qcj and its Circumstellar Environment*, The Astrophysical Journal, 782, 42

49. Pan, Y.-C., Sullivan, M., Maguire, K., et al., 2014, *The host galaxies of Type Ia supernovae discovered by the Palomar Transient Factory*, Monthly Notices of the Royal Astronomical Society, 438, 1391

50. Valenti, S., Sand, D., Pastorello, A., et al., 2014, *The first month of evolution of the slow-rising Type IIP SN 2013ej in M74*, Monthly Notices of the Royal Astronomical Society, 438, L101

51. Goobar, A., Johansson, J., Amanullah, R., et al., 2014, *The Rise of SN 2014J in the Nearby Galaxy M82*, The Astrophysical Journal, 784, L12

52. Ben-Ami, S., Gal-Yam, A., Mazzali, P. A., et al., 2014, *SN 2010mb: Direct Evidence for a Supernova Interacting with a Large Amount of Hydrogen-free Circumstellar Material*, The Astrophysical Journal, 785, 37

53. Fremling, C., Sollerman, J., Taddia, F., et al., 2014, *The rise and fall of the Type Ib supernova iPTF13bvn. Not a massive Wolf-Rayet star*, Astronomy and Astrophysics, 565, A114

54. Gal-Yam, A., **Arcavi, I.**, Ofek, E. O., et al., 2014, *A Wolf-Rayet-like progenitor of SN 2013cu from spectral observations of a stellar wind*, Nature, 509, 471

55. Ofek, E. O., **Arcavi, I.**, Tal, D., et al., 2014, *Interaction-powered Supernovae: Rise-time versus Peak-luminosity Correlation and the Shock-breakout Velocity*, The Astrophysical Journal, 788, 154

56. Ofek, E. O., Sullivan, M., Shaviv, N. J., et al., 2014, *Precursors Prior to Type IIn Supernova Explosions are Common: Precursor Rates, Properties, and Correlations*, The Astrophysical Journal, 789, 104

57. Walker, E. S., Mazzali, P. A., Pian, E., et al., 2014, *Optical follow-up observations of PTF10qts, a luminous broad-lined Type Ic supernova found by the Palomar Transient Factory*, Monthly Notices of the Royal Astronomical Society, 442, 2768

58. **Arcavi, I.**, Gal-Yam, A., Sullivan, M., et al., 2014, *A Continuum of H- to He-rich Tidal Disruption Candidates With a Preference for E+A Galaxies*, The Astrophysical Journal, 793, 38

59. Gorbikov, E., Gal-Yam, A., Ofek, E. O., et al., 2014, *iPTF13beo: the double-peaked light curve of a Type Ibn supernova discovered shortly after explosion*, Monthly Notices of the Royal Astronomical Society, 443, 671

60. Vreeswijk, P. M., Savaglio, S., Gal-Yam, A., et al., 2014, *The Hydrogen-poor Superluminous Supernova iPTF 13ajg and its Host Galaxy in Absorption and Emission*, The Astrophysical Journal, 797, 24

61. Mauerhan, J. C., Van Dyk, S. D., Graham, M. L., et al., 2015, *SN Hunt 248: a super-Eddington outburst from a massive cool hypergiant*, Monthly Notices of the Royal Astronomical Society, 447, 1922

62. Cenko, S. B., Urban, A. L., Perley, D. A., et al., 2015, *iPTF14yb: The First Discovery of a Gamma-Ray Burst Afterglow Independent of a High-energy Trigger*, The Astrophysical Journal, 803, L24

63. Valenti, S., Sand, D., Stritzinger, M., et al., 2015, *Supernova 2013by: a Type IIL supernova with a IIP-like light-curve drop*, Monthly Notices of the Royal Astronomical Society, 448, 2608

64. Cao, Y., Kulkarni, S. R., Howell, D. A., et al., 2015, *A strong ultraviolet pulse from a newborn type Ia supernova*, Nature, 521, 328

65. Hsiao, E. Y., Burns, C. R., Contreras, C., et al., 2015, *Strong near-infrared carbon in the Type Ia supernova iPTF13ebh*, Astronomy and Astrophysics, 578, A9

66. Singer, L. P., Kasliwal, M. M., Cenko, S. B., et al., 2015, *The Needle in the 100 deg^2 Haystack: Uncovering Afterglows of Fermi GRBs with the Palomar Transient Factory*, The Astrophysical Journal, 806, 52

67. Ackermann, M., **Arcavi, I.**, Baldini, L., et al., 2015, *Search for Early Gamma-ray Production in Supernovae Located in a Dense Circumstellar Medium with the Fermi LAT*, The Astrophysical Journal, 807, 169

68. Cao, Y., Kulkarni, S. R., Howell, D. A., et al., 2015, *Erratum: A strong ultraviolet pulse from a newborn type Ia supernova*, Nature, 524, 502

69. Aartsen, M. G., Abraham, K., Ackermann, M., et al., 2015, *The Detection of a Type IIn Supernova in Optical Follow-up Observations of IceCube Neutrino Events*, The Astrophysical Journal, 811, 52

70. Strotjohann, N. L., Ofek, E. O., Gal-Yam, A., et al., 2015, *Search for Precursor Eruptions among Type IIb Supernovae*, The Astrophysical Journal, 811, 117

71. Maund, J. R., **Arcavi, I.**, Ergon, M., et al., 2015, *Did the progenitor of SN 2011dh have a binary companion?*, Monthly Notices of the Royal Astronomical Society, 454, 2580

72. Khazov, D., Yaron, O., Gal-Yam, A., et al., 2016, *Flash Spectroscopy: Emission Lines from the Ionized Circumstellar Material around ¡10-day-old Type II Supernovae*, The Astrophysical Journal, 818, 3

73. French, K. D., **Arcavi, I.**, & Zabludoff, A., 2016, *Tidal Disruption Events Prefer Unusual Host Galaxies*, The Astrophysical Journal, 818, L21

74. Cenko, S. B., Cucchiara, A., Roth, N., et al., 2016, *An Ultraviolet Spectrum of the Tidal Disruption Flare ASASSN-14li*, The Astrophysical Journal, 818, L32

75. Taddia, F., Moquist, P., Sollerman, J., et al., 2016, *Metallicity from Type II supernovae from the (I)PTF*, Astronomy and Astrophysics, 587, L7

76. **Arcavi, I.**, Wolf, W. M., Howell, D. A., et al., 2016, *Rapidly Rising Transients in the Supernova—Superluminous Supernova Gap*, The Astrophysical Journal, 819, 35

77. Rubin, A., Gal-Yam, A., De Cia, A., et al., 2016, *Type II Supernova Energetics and Comparison of Light Curves to Shock-cooling Models*, The Astrophysical Journal, 820, 33

78. Ganot, N., Gal-Yam, A., Ofek, E. O., et al., 2016, *The Detection Rate of Early UV Emission from Supernovae: A Dedicated Galex/PTF Survey and Calibrated Theoretical Estimates*, The Astrophysical Journal, 820, 57

79. Prentice, S. J., Mazzali, P. A., Pian, E., et al., 2016, *The bolometric light curves and physical parameters of stripped-envelope supernovae*, Monthly Notices of the Royal Astronomical Society, 458, 2973

80. Tomasella, L., Cappellaro, E., Benetti, S., et al., 2016, *Optical and near-infrared observations of SN 2014ck: an outlier among the Type Iax supernovae*, Monthly Notices of the Royal Astronomical Society, 459, 1018

81. Nicholl, M., Berger, E., Smartt, S. J., et al., 2016, *SN 2015BN: A Detailed*

Multi-wavelength View of a Nearby Superluminous Supernova, The Astrophysical Journal, 826, 39

82. Valenti, S., Howell, D. A., Stritzinger, M. D., et al., 2016, *The diversity of Type II supernova versus the similarity in their progenitors*, Monthly Notices of the Royal Astronomical Society, 459, 3939
83. Fremling, C., Sollerman, J., Taddia, F., et al., 2016, *PTF12os and iPTF13bvn. Two stripped-envelope supernovae from low-mass progenitors in NGC 5806*, Astronomy and Astrophysics, 593, A68
84. Nicholl, M., Berger, E., Margutti, R., et al., 2016, *Superluminous Supernova SN 2015bn in the Nebular Phase: Evidence for the Engine-powered Explosion of a Stripped Massive Star*, The Astrophysical Journal, 828, L18
85. Terreran, G., Jerkstrand, A., Benetti, S., et al., 2016, *The multifaceted Type II-L supernova 2014G from pre-maximum to nebular phase*, Monthly Notices of the Royal Astronomical Society, 462, 137
86. Huang, F., Wang, X., Zampieri, L., et al., 2016, *Optical and Ultraviolet Observations of the Very Young Type IIP SN 2014cx in NGC 337*, The Astrophysical Journal, 832, 139
87. Darnley, M. J., Henze, M., Bode, M. F., et al., 2016, *M31N 2008-12a - The Remarkable Recurrent Nova in M31: Panchromatic Observations of the 2015 Eruption.*, The Astrophysical Journal, 833, 149
88. Leloudas, G., Fraser, M., Stone, N. C., et al., 2016, *The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole*, Nature Astronomy, 1, 0002
89. Leloudas, G., Fraser, M., Stone, N. C., et al., 2016, *Corrigendum: The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole*, Nature Astronomy, 1, 0034
90. Vreeswijk, P. M., Leloudas, G., Gal-Yam, A., et al., 2017, *On the Early-time Excess Emission in Hydrogen-poor Superluminous Supernovae*, The Astrophysical Journal, 835, 58
91. **Arcavi, I.**, 2017, *Hydrogen-Rich Core-Collapse Supernovae*, Handbook of Supernovae, 239
92. French, K. D., **Arcavi, I.**, & Zabludoff, A., 2017, *The Post-starburst Evolution of Tidal Disruption Event Host Galaxies*, The Astrophysical Journal, 835, 176
93. Hosseinzadeh, G., **Arcavi, I.**, Valenti, S., et al., 2017, *Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light*, The Astrophysical Journal, 836, 158
94. Tartaglia, L., Fraser, M., Sand, D. J., et al., 2017, *The Progenitor and Early Evolution of the Type IIb SN 2016gkg*, The Astrophysical Journal, 836, L12
95. Cartier, R., Sullivan, M., Firth, R. E., et al., 2017, *Early observations of the*

nearby Type Ia supernova SN 2015F, Monthly Notices of the Royal Astronomical Society, 464, 4476

96. Wyrzykowski, Ł., Zieliński, M., Kostrzewa-Rutkowska, Z., et al., 2017, *OGLE16aaa - a signature of a hungry supermassive black hole*, Monthly Notices of the Royal Astronomical Society, 465, L114
97. Yaron, O., Perley, D. A., Gal-Yam, A., et al., 2017, *Confined dense circumstellar material surrounding a regular type II supernova*, Nature Physics, 13, 510
98. **Arcavi, I.**, Hosseinzadeh, G., Brown, P. J., et al., 2017, *Constraints on the Progenitor of SN 2016gkg from Its Shock-cooling Light Curve*, The Astrophysical Journal, 837, L2
99. Zheng, W., Filippenko, A. V., Mauerhan, J., et al., 2017, *Discovery and Follow-up Observations of the Young Type Ia Supernova 2016coj*, The Astrophysical Journal, 841, 64
100. Hung, T., Gezari, S., Blagorodnova, N., et al., 2017, *Revisiting Optical Tidal Disruption Events with iPTF16axa*, The Astrophysical Journal, 842, 29
101. Blagorodnova, N., Gezari, S., Hung, T., et al., 2017, *iPTF16fnl: A Faint and Fast Tidal Disruption Event in an E+A Galaxy*, The Astrophysical Journal, 844, 46
102. Hosseinzadeh, G., Sand, D. J., Valenti, S., et al., 2017, *Early Blue Excess from the Type Ia Supernova 2017cbv and Implications for Its Progenitor*, The Astrophysical Journal, 845, L11
103. Graham, M. L., Bigley, A., Mauerhan, J. C., et al., 2017, *Clues to the nature of SN 2009ip - II. The continuing photometric and spectroscopic evolution to 1000 days*, Monthly Notices of the Royal Astronomical Society, 469, 1559
104. Piro, A. L., Muhleisen, M., **Arcavi, I.**, et al., 2017, *Numerically Modeling the First Peak of the Type IIb SN 2016gkg*, The Astrophysical Journal, 846, 94
105. Abbott, B. P., Abbott, R., Abbott, T. D., et al., 2017, *Multi-messenger Observations of a Binary Neutron Star Merger*, The Astrophysical Journal, 848, L12
106. McCully, C., Hiramatsu, D., Howell, D. A., et al., 2017, *The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days*, The Astrophysical Journal, 848, L32
107. **Arcavi, I.**, McCully, C., Hosseinzadeh, G., et al., 2017, *Optical Follow-up of Gravitational-wave Events with Las Cumbres Observatory*, The Astrophysical Journal, 848, L33
108. Barbarino, C., Botticella, M. T., Dall'Ora, M., et al., 2017, *LSQ14efd: observations of the cooling of a shock break-out event in a type Ic Supernova*, Monthly Notices of the Royal Astronomical Society, 471, 2463

109. IceCube Collaboration, Aartsen, M. G., Ackermann, M., et al., 2017, *Multiwavelength follow-up of a rare IceCube neutrino multiplet*, Astronomy and Astrophysics, 607, A115

110. **Arcavi, I.**, Hosseinzadeh, G., Howell, D. A., et al., 2017, *Optical emission from a kilonova following a gravitational-wave-detected neutron-star merger*, Nature, 551, 64

111. Abbott, B. P., Abbott, R., Abbott, T. D., et al., 2017, *A gravitational-wave standard siren measurement of the Hubble constant*, Nature, 551, 85

112. **Arcavi, I.**, Howell, D. A., Kasen, D., et al., 2017, *Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star*, Nature, 551, 210

113. Gezari, S., Cenko, S. B., & **Arcavi, I.**, 2017, *X-Ray Brightening and UV Fading of Tidal Disruption Event ASASSN-15oi*, The Astrophysical Journal, 851, L47

114. Graham, M. L., Kumar, S., Hosseinzadeh, G., et al., 2017, *Nebular-phase spectra of nearby Type Ia Supernovae*, Monthly Notices of the Royal Astronomical Society, 472, 3437

115. Tartaglia, L., Sand, D. J., Valenti, S., et al., 2018, *The Early Detection and Follow-up of the Highly Obscured Type II Supernova 2016ija/DLT16am*, The Astrophysical Journal, 853, 62

116. **Arcavi, I.**, 2018, *The First Hours of the GW170817 Kilonova and the Importance of Early Optical and Ultraviolet Observations for Constraining Emission Models*, The Astrophysical Journal, 855, L23

117. Inserra, C., Smartt, S. J., Gall, E. E. E., et al., 2018, *On the nature of hydrogen-rich superluminous supernovae*, Monthly Notices of the Royal Astronomical Society, 475, 1046

118. Huang, F., Wang, X.-F., Hosseinzadeh, G., et al., 2018, *SN 2016X: a type II-P supernova with a signature of shock breakout from explosion of a massive red supergiant*, Monthly Notices of the Royal Astronomical Society, 475, 3959

119. De Cia, A., Gal-Yam, A., Rubin, A., et al., 2018, *Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory*, The Astrophysical Journal, 860, 100

120. Hosseinzadeh, G., Valenti, S., McCully, C., et al., 2018, *Short-lived Circumstellar Interaction in the Low-luminosity Type IIP SN 2016bkv*, The Astrophysical Journal, 861, 63

121. Li, L., Wang, X., Zhang, J., et al., 2018, *Optical observations of the 2002cx-like supernova 2014ek and characterizations of SNe Iax*, Monthly Notices of the Royal Astronomical Society, 478, 4575

122. Dastidar, R., Misra, K., Hosseinzadeh, G., et al., 2018, *SN 2015ba: a Type IIP supernova with a long plateau*, Monthly Notices of the Royal Astronomical Society, 479, 2421

123. Gutiérrez, C. P., Anderson, J. P., Sullivan, M., et al., 2018, *Type II supernovae in low-luminosity host galaxies*, Monthly Notices of the Royal Astronomical Society, 479, 3232

124. Fremling, C., Sollerman, J., Kasliwal, M. M., et al., 2018, *Oxygen and helium in stripped-envelope supernovae*, Astronomy and Astrophysics, 618, A37

125. Anderson, J. P., Pessi, P. J., Dessart, L., et al., 2018, *A nearby super-luminous supernova with a long pre-maximum & "plateau" and strong C II features*, Astronomy and Astrophysics, 620, A67

126. Cai, Y.-Z., Pastorello, A., Fraser, M., et al., 2018, *AT 2017be - a new member of the class of intermediate-luminosity red transients*, Monthly Notices of the Royal Astronomical Society, 480, 3424

127. Zemcov, M., **Arcavi, I.**, Arendt, R., et al., 2018, *Astrophysics with New Horizons: Making the Most of a Generational Opportunity*, Publications of the Astronomical Society of the Pacific, 130, 115001

128. Sollerman, J., Taddia, F., **Arcavi, I.**, et al., 2019, *Late-time observations of the extraordinary Type II supernova iPTF14hls*, Astronomy and Astrophysics, 621, A30

129. Taddia, F., Sollerman, J., Fremling, C., et al., 2019, *Analysis of broad-lined Type Ic supernovae from the (intermediate) Palomar Transient Factory*, Astronomy and Astrophysics, 621, A71

130. Li, W., Wang, X., Vinkó, J., et al., 2019, *Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh with Early Excess Emission from the Kepler 2 Observations*, The Astrophysical Journal, 870, 12

131. Dimitriadis, G., Foley, R. J., Rest, A., et al., 2019, *K2 Observations of SN 2018oh Reveal a Two-component Rising Light Curve for a Type Ia Supernova*, The Astrophysical Journal, 870, L1

132. Hosseinzadeh, G., McCully, C., Zabludoff, A. I., et al., 2019, *Type Ibn Supernovae May not all Come from Massive Stars*, The Astrophysical Journal, 871, L9

133. Trakhtenbrot, B., **Arcavi, I.**, Ricci, C., et al., 2019, *A new class of flares from accreting supermassive black holes*, Nature Astronomy, 3, 242

134. Gromadzki, M., Hamanowicz, A., Wyrzykowski, L., et al., 2019, *Discovery and follow-up of the unusual nuclear transient OGLE17aaj*, Astronomy and Astrophysics, 622, L2

135. Blagorodnova, N., Cenko, S. B., Kulkarni, S. R., et al., 2019, *The Broad Absorption Line Tidal Disruption Event iPTF15af: Optical and Ultraviolet Evolution*, The Astrophysical Journal, 873, 92

136. Szalai, T., Vinkó, J., Könyves-Tóth, R., et al., 2019, *The Type II-P Supernova 2017eaw: From Explosion to the Nebular Phase*, The Astrophysical Journal, 876, 19

137. Brown, P. J., Hosseinzadeh, G., Jha, S. W., et al., 2019, *Red and Reddened: Ultraviolet through Near-infrared Observations of Type Ia Supernova 2017erp*, The Astrophysical Journal, 877, 152

138. Bostroem, K. A., Valenti, S., Horesh, A., et al., 2019, *Signatures of circumstellar interaction in the Type IIL supernova ASASSN-15oz*, Monthly Notices of the Royal Astronomical Society, 485, 5120

139. Price, D. C., Foster, G., Geyer, M., et al., 2019, *A fast radio burst with frequency-dependent polarization detected during Breakthrough Listen observations*, Monthly Notices of the Royal Astronomical Society, 486, 3636

140. Pastorello, A., Reguitti, A., Morales-Garoffolo, A., et al., 2019, *A luminous stellar outburst during a long-lasting eruptive phase first, and then SN IIn 2018cnf*, Astronomy and Astrophysics, 628, A93

141. Lundquist, M. J., Paterson, K., Fong, W., et al., 2019, *Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgo's Third Observing Run*, The Astrophysical Journal, 881, L26

142. Modjaz, M., Gutiérrez, C. P., & **Arcavi, I.**, 2019, *New regimes in the observation of core-collapse supernovae*, Nature Astronomy, 3, 717

143. Trakhtenbrot, B., **Arcavi, I.**, MacLeod, C. L., et al., 2019, *1ES 1927+654: An AGN Caught Changing Look on a Timescale of Months*, The Astrophysical Journal, 883, 94

144. Zapartas, E., de Mink, S. E., Justham, S., et al., 2019, *The diverse lives of progenitors of hydrogen-rich core-collapse supernovae: the role of binary interaction*, Astronomy and Astrophysics, 631, A5

145. Andrews, J. E., Sand, D. J., Valenti, S., et al., 2019, *SN 2017gmr: An Energetic Type II-P Supernova with Asymmetries*, The Astrophysical Journal, 885, 43

146. Leloudas, G., Dai, L., **Arcavi, I.**, et al., 2019, *The Spectral Evolution of AT 2018dyb and the Presence of Metal Lines in Tidal Disruption Events*, The Astrophysical Journal, 887, 218

147. Dastidar, R., Misra, K., Valenti, S., et al., 2019, *SN 2015an: a normal luminosity type II supernova with low expansion velocity at early phases*, Monthly Notices of the Royal Astronomical Society, 490, 1605

148. Gangopadhyay, A., Misra, K., Hiramatsu, D., et al., 2020, *Flash Ionization Signatures in the Type Ibn Supernova SN 2019uo*, The Astrophysical Journal, 889, 170

149. Clark, P., Maguire, K., Inserra, C., et al., 2020, *LSQ13ddu: a rapidly evolving stripped-envelope supernova with early circumstellar interaction signatures*, Monthly Notices of the Royal Astronomical Society, 492, 2208

150. French, K. D., **Arcavi, I.**, Zabludoff, A. I., et al., 2020, *The Structure of Tidal Disruption Event Host Galaxies on Scales of Tens to Thousands of Parsecs*, The Astrophysical Journal, 891, 93

151. Han, X., Zheng, W., Stahl, B. E., et al., 2020, *SN 2017cfd: A Normal Type Ia Supernova Discovered Very Young*, The Astrophysical Journal, 892, 142

152. Modjaz, M., Bianco, F. B., Siwek, M., et al., 2020, *Host Galaxies of Type Ic and Broad-lined Type Ic Supernovae from the Palomar Transient Factory: Implications for Jet Production*, The Astrophysical Journal, 892, 153

153. Wyatt, S. D., Tohuvavohu, A., **Arcavi, I.**, et al., 2020, *The Gravitational Wave Treasure Map: A Tool to Coordinate, Visualize, and Assess the Electromagnetic Follow-up of Gravitational-wave Events*, The Astrophysical Journal, 894, 127

154. Bostroem, K. A., Valenti, S., Sand, D. J., et al., 2020, *Discovery and Rapid Follow-up Observations of the Unusual Type II SN 2018ivc in NGC 1068*, The Astrophysical Journal, 895, 31

155. Ricci, C., Kara, E., Loewenstein, M., et al., 2020, *The Destruction and Recreation of the X-Ray Corona in a Changing-look Active Galactic Nucleus*, The Astrophysical Journal, 898, L1

156. Müller-Bravo, T. E., Gutiérrez, C. P., Sullivan, M., et al., 2020, *The low-luminosity Type II SN 2016aqf: a well-monitored spectral evolution of the Ni/Fe abundance ratio*, Monthly Notices of the Royal Astronomical Society, 497, 361

157. Gomez, S., Nicholl, M., Short, P., et al., 2020, *The Tidal Disruption Event AT 2018hyz II: Light-curve modelling of a partially disrupted star*, Monthly Notices of the Royal Astronomical Society, 497, 1925

158. Pian, E., Mazzali, P. A., Moriya, T. J., et al., 2020, *PTF11rka: an interacting supernova at the crossroads of stripped-envelope and H-poor superluminous stellar core collapses*, Monthly Notices of the Royal Astronomical Society, 497, 3542

159. Yang, Y., Hoeflich, P., Baade, D., et al., 2020, *The Young and Nearby Normal Type Ia Supernova 2018gv: UV-optical Observations and the Earliest Spectropolarimetry*, The Astrophysical Journal, 902, 46

160. van Velzen, S., Holoien, T. W.-S., Onori, F., et al., 2020, *Optical-Ultraviolet Tidal Disruption Events*, Space Science Reviews, 216, 124

161. Short, P., Nicholl, M., Lawrence, A., et al., 2020, *The tidal disruption event AT 2018hyz - I. Double-peaked emission lines and a flat Balmer decrement*, Monthly Notices of the Royal Astronomical Society, 498, 4119

162. Nicholl, M., Wevers, T., Oates, S. R., et al., 2020, *An outflow powers the optical rise of the nearby, fast-evolving tidal disruption event AT2019qiz*, Monthly Notices of the Royal Astronomical Society, 499, 482

163. Gutiérrez, C. P., Pastorello, A., Jerkstrand, A., et al., 2020, *SN 2017ivv: two years of evolution of a transitional Type II supernova*, Monthly Notices of the Royal Astronomical Society, 499, 974

164. Dong, Y., Valenti, S., Bostroem, K. A., et al., 2021, *Supernova 2018cuf: A Type IIP Supernova with a Slow Fall from Plateau*, The Astrophysical Journal, 906, 56

165. Malyali, A., Rau, A., Merloni, A., et al., 2021, *AT 2019avd: a novel addition to the diverse population of nuclear transients*, Astronomy and Astrophysics, 647, A9

166. Singh, M., Misra, K., Valenti, S., et al., 2021, *The Fast-evolving Type Ib Supernova SN 2015dj in NGC 7371*, The Astrophysical Journal, 909, 100

167. Baltay, C., Grossman, L., Howard, R., et al., 2021, *Low-redshift Type Ia Supernova from the LSQ/LCO Collaboration*, Publications of the Astronomical Society of the Pacific, 133, 044002

168. Hiramatsu, D., Howell, D. A., Moriya, T. J., et al., 2021, *Luminous Type II Short-Plateau Supernovae 2006Y, 2006ai, and 2016egz: A Transitional Class from Stripped Massive Red Supergiants*, The Astrophysical Journal, 913, 55

169. Gilkis, A., Shenar, T., Ramachandran, V., et al., 2021, *The excess of cool supergiants from contemporary stellar evolution models defies the metallicity-independent Humphreys-Davidson limit*, Monthly Notices of the Royal Astronomical Society, 503, 1884

170. Horesh, A., Cenko, S. B., & **Arcavi, I.**, 2021, *Delayed radio flares from a tidal disruption event*, Nature Astronomy, 5, 491

171. Cannizzaro, G., Wevers, T., Jonker, P. G., et al., 2021, *Accretion disc cooling and narrow absorption lines in the tidal disruption event AT 2019dsg*, Monthly Notices of the Royal Astronomical Society, 504, 792

172. Hiramatsu, D., Howell, D. A., Van Dyk, S. D., et al., 2021, *The electron-capture origin of supernova 2018zd*, Nature Astronomy, 5, 903

173. Zabludoff, A., **Arcavi, I.**, LaMassa, S., et al., 2021, *Distinguishing Tidal Disruption Events from Impostors*, Space Science Reviews, 217, 54

174. Barbarino, C., Sollerman, J., Taddia, F., et al., 2021, *Type Ic supernovae from the (intermediate) Palomar Transient Factory*, Astronomy and Astrophysics, 651, A81

175. Ricci, C., Loewenstein, M., Kara, E., et al., 2021, *The 450 Day X-Ray Monitoring of the Changing-look AGN 1ES 1927+654*, The Astrophysical Journal Supplement Series, 255, 7

176. Schulze, S., Yaron, O., Sollerman, J., et al., 2021, *The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae*, The Astrophysical Journal Supplement Series, 255, 29

177. Jonker, P. G., **Arcavi, I.**, Sterl Phinney, E., et al., 2021, *Editorial to the Topical Collection: The Tidal Disruption of Stars by Massive Black Holes*, Space Science Reviews, 217, 62

178. Armstrong, P., Tucker, B. E., Rest, A., et al., 2021, *SN2017jgh: a high-cadence complete shock cooling light curve of a SN IIb with the Kepler telescope*, Monthly Notices of the Royal Astronomical Society, 507, 3125

179. Kilpatrick, C. D., Coulter, D. A., **Arcavi, I.**, et al., 2021, *The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star-Black Hole Merger GW190814*, The Astrophysical Journal, 923, 258

180. **Arcavi, I.**, Nyiha, I., & French, K. D., 2022, *Types of Transients in the Centers of Post-starburst and Quiescent Balmer-strong Galaxies*, The Astrophysical Journal, 924, 121

181. Pellegrino, C., Howell, D. A., Vinkó, J., et al., 2022, *Circumstellar Interaction Powers the Light Curves of Luminous Rapidly Evolving Optical Transients*, The Astrophysical Journal, 926, 125

182. Ni, Y. Q., Moon, D.-S., Drout, M. R., et al., 2022, *Infant-phase reddening by surface Fe-peak elements in a normal type Ia supernova*, Nature Astronomy, 6, 568

183. Charalampopoulos, P., Leloudas, G., Malesani, D. B., et al., 2022, *A detailed spectroscopic study of tidal disruption events*, Astronomy and Astrophysics, 659, A34

184. Qin, Y.-J., Zabludoff, A., Kisley, M., et al., 2022, *Linking Extragalactic Transients and Their Host Galaxy Properties: Transient Sample, Multiwavelength Host Identification, and Database Construction*, The Astrophysical Journal Supplement Series, 259, 13

185. Gilkis, A., & **Arcavi, I.**, 2022, *How much hydrogen is in Type Ib and IIb supernova progenitors?*, Monthly Notices of the Royal Astronomical Society, 511, 691

186. Tucker, D. L., Wiesner, M. P., Allam, S. S., et al., 2022, *SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*, The Astrophysical Journal, 929, 115

187. Gangopadhyay, A., Misra, K., Hosseinzadeh, G., et al., 2022, *Evolution of a Peculiar Type Ibn Supernova SN 2019wep*, The Astrophysical Journal, 930, 127

188. Li, R., Ho, L. C., Ricci, C., et al., 2022, *The Host Galaxy and Rapidly Evolving Broad-line Region in the Changing-look Active Galactic Nucleus 1ES 1927+654*, The Astrophysical Journal, 933, 70

189. Masterson, M., Kara, E., Ricci, C., et al., 2022, *Evolution of a Relativistic Outflow and X-Ray Corona in the Extreme Changing-look AGN 1ES 1927+654*, The Astrophysical Journal, 934, 35

190. Medler, K., Mazzali, P. A., Teffs, J., et al., 2022, *SN 2020acat: an energetic fast rising Type IIb supernova*, Monthly Notices of the Royal Astronomical Society, 513, 5540

191. Leloudas, G., Bulla, M., Cikota, A., et al., 2022, *An asymmetric electron-scattering photosphere around optical tidal disruption events*, Nature Astronomy, 6, 1193

192. Wevers, T., Nicholl, M., Guolo, M., et al., 2022, *An elliptical accretion disk following the tidal disruption event AT 2020zso*, Astronomy and Astrophysics, 666, A6

193. **Arcavi, I.**, 2022, *Errors When Constraining Hot Blackbody Parameters with Optical Photometry*, The Astrophysical Journal, 937, 75

194. Pellegrino, C., Howell, D. A., Terreran, G., et al., 2022, *The Diverse Properties of Type Icn Supernovae Point to Multiple Progenitor Channels*, The Astrophysical Journal, 938, 73

195. Yang, J., Wang, L., Suntzeff, N., et al., 2022, *Using 1991T/1999aa-like Type Ia Supernovae as Standardizable Candles*, The Astrophysical Journal, 938, 83

196. Pasham, D. R., Lucchini, M., Laskar, T., et al., 2023, *The Birth of a Relativistic Jet Following the Disruption of a Star by a Cosmological Black Hole*, Nature Astronomy, 7, 88

197. Wang, Q., Armstrong, P., Zenati, Y., et al., 2023, *Revealing the Progenitor of SN 2021zby through Analysis of the TESS Shock-cooling Light Curve*, The Astrophysical Journal, 943, L15

198. Ailawadhi, B., Dastidar, R., Misra, K., et al., 2023, *Photometric and spectroscopic analysis of the Type II SN 2020jfo with a short plateau*, Monthly Notices of the Royal Astronomical Society, 519, 248

199. Ben-Ami, T., **Arcavi, I.**, Newsome, M., et al., 2023, *The Type Ibn Supernova 2019kbj: Indications for Diversity in Type Ibn Supernova Progenitors*, The Astrophysical Journal, 946, 30

200. Hiramatsu, D., Berger, E., Metzger, B. D., et al., 2023, *Limits on Simultaneous and Delayed Optical Emission from Well-localized Fast Radio Bursts*, The Astrophysical Journal, 947, L28

201. Charalampopoulos, P., Pursiainen, M., Leloudas, G., et al., 2023, *AT 2020wey and the class of faint and fast tidal disruption events*, Astronomy and Astrophysics, 673, A95

202. Ofek, E. O., Ben-Ami, S., Polishook, D., et al., 2023, *The Large Array Survey Telescope-System Overview and Performances*, Publications of the Astronomical Society of the Pacific, 135, 065001

203. Lam, M. C., Smith, R. J., **Arcavi, I.**, et al., 2023, *Automated SpectroPhotometric Image REDuction (ASPIRED)*, The Astronomical Journal, 166, 13

204. Makrygianni, L., Trakhtenbrot, B., **Arcavi, I.**, et al., 2023, *AT 2021loi: A Bowen Fluorescence Flare with a Rebrightening Episode Occurring in a Previously Known AGN*, The Astrophysical Journal, 953, 32

205. Hosseinzadeh, G., Farah, J., Shrestha, M., et al., 2023, *Shock Cooling and Possible Precursor Emission in the Early Light Curve of the Type II SN 2023ixf*, The Astrophysical Journal, 953, L16

206. Ben-Ami, S., Ofek, E. O., Polishook, D., et al., 2023, *The Large Array Survey Telescope-Science Goals*, Publications of the Astronomical Society of the Pacific, 135, 085002

207. Pellegrino, C., Hiramatsu, D., **Arcavi, I.**, et al., 2023, *SN 2020bio: A Double-peaked, H-poor Type IIb Supernova with Evidence of Circumstellar Interaction*, The Astrophysical Journal, 954, 35

208. Hiramatsu, D., Tsuna, D., Berger, E., et al., 2023, *From Discovery to the First Month of the Type II Supernova 2023ixf: High and Variable Mass Loss in the Final Year before Explosion*, The Astrophysical Journal, 955, L8

209. Li, W., **Arcavi, I.**, Nakar, E., et al., 2023, *Rapidly Evolving Transients in Archival ZTF Public Alerts*, The Astrophysical Journal, 955, 144

210. Bostroem, K. A., Pearson, J., Shrestha, M., et al., 2023, *Early Spectroscopy and Dense Circumstellar Medium Interaction in SN 2023ixf*, The Astrophysical Journal, 956, L5

211. Short, P., Lawrence, A., Nicholl, M., et al., 2023, *Delayed appearance and evolution of coronal lines in the TDE AT2019qiz*, Monthly Notices of the Royal Astronomical Society, 525, 1568

212. Dgany, Y., **Arcavi, I.**, Makrygianni, L., et al., 2023, *Needle in a Haystack: Finding Supermassive Black Hole-related Flares in the Zwicky Transient Facility Public Survey*, The Astrophysical Journal, 957, 57

213. Ofek, E. O., Strotjohann, N. L., **Arcavi, I.**, et al., 2024, *Photometric prioritization of neutron star merger candidates*, Monthly Notices of the Royal Astronomical Society, 527, 3741

214. Shitrit, N., & **Arcavi, I.**, 2024, *The Global Asteroseismology Project Proof of Concept: Asteroseismology of Massive Stars with Continuous Ground-based Observations*, The Astronomical Journal, 167, 65

215. Masterson, M., De, K., Panagiotou, C., et al., 2024, *A New Population of Mid-infrared-selected Tidal Disruption Events: Implications for Tidal Disruption Event Rates and Host Galaxy Properties*, The Astrophysical Journal, 961, 211

216. Newsome, M., **Arcavi, I.**, Howell, D. A., et al., 2024, *Probing the Subparsec Dust of a Supermassive Black Hole with the Tidal Disruption Event AT 2020mot*, The Astrophysical Journal, 961, 239

217. Shvartzvald, Y., Waxman, E., Gal-Yam, A., et al., 2024, *ULTRASAT: A Wide-field Time-domain UV Space Telescope*, The Astrophysical Journal, 964, 74

218. Qin, Y.-J., Zabludoff, A., **Arcavi, I.**, et al., 2024, *The statistics and environments of hostless supernovae*, Monthly Notices of the Royal Astronomical Society, 530, 4695

219. Faris, S., **Arcavi, I.**, Makrygianni, L., et al., 2024, *Light-curve Structure and Hα Line Formation in the Tidal Disruption Event AT 2019azh*, The Astrophysical Journal, 969, 104

220. Charalampopoulos, P., Kotak, R., Wevers, T., et al., 2024, *The fast transient AT 2023clx in the nearby LINER galaxy NGC 3799 as a tidal disruption of a very low-mass star*, Astronomy and Astrophysics, 689, A350

221. Szalai, T., Könyves-Tóth, R., Nagy, A. P., et al., 2024, *The story of SN 2021aatd: A peculiar 1987A-like supernova with an early-phase luminosity excess*, Astronomy and Astrophysics, 690, A17

222. Li, R., Ricci, C., Ho, L. C., et al., 2024, *The Interplay between the Disk and Corona of the Changing-look Active Galactic Nucleus 1ES 1927+654*, The Astrophysical Journal, 975, 140

223. Dukiya, N., Gangopadhyay, A., Misra, K., et al., 2024, *Probing the Circumstellar Environment of the Highly Luminous Type IIn Supernova ASASSN-14il*, The Astrophysical Journal, 976, 86

224. Groot, P. J., Bloemen, S., Vreeswijk, P. M., et al., 2024, *The BlackGEM Telescope Array. I. Overview*, Publications of the Astronomical Society of the Pacific, 136, 115003

225. Newsome, M., **Arcavi, I.**, Howell, D. A., et al., 2024, *Mapping the Inner 0.1 pc of a Supermassive Black Hole Environment with the Tidal Disruption Event and Extreme Coronal-line Emitter AT 2022upj*, The Astrophysical Journal, 977, 258

226. Yesmin, N., Pellegrino, C., Modjaz, M., et al., 2025, *Spectral dataset of young type Ib supernovae and their time evolution*, Astronomy and Astrophysics, 693, A307

227. Dastidar, R., Misra, K., Valenti, S., et al., 2025, *SN 2018is: A low-luminosity Type IIP supernova with narrow hydrogen emission lines at early phases*, Astronomy and Astrophysics, 694, A260

228. Wiseman, P., Williams, R. D., **Arcavi, I.**, et al., 2025, *A systematically selected sample of luminous, long-duration, ambiguous nuclear transients*, Monthly Notices of the Royal Astronomical Society, 537, 2024

229. Masterson, M., Kara, E., Panagiotou, C., et al., 2025, *Millihertz oscillations near the innermost orbit of a supermassive black hole*, Nature, 638, 370

230. Earl, N., French, K. D., Ramirez-Ruiz, E., et al., 2025, *AT 2020nov: Evidence for Disk Reprocessing in a Rare Tidal Disruption Event*, The Astrophysical Journal, 983, 28

231. Baer-Way, R., Chandra, P., Modjaz, M., et al., 2025, *A Multiwavelength Autopsy of the Interacting Type IIn Supernova 2020ywx: Tracing Its Progenitor Mass-loss History for 100 Yr Before Death*, The Astrophysical Journal, 983, 101

232. Keinan, I., & **Arcavi, I.**, 2025, *The Potential of Coordinated Gravitational-wave Follow-up for Improving Kilonova Detection Prospects: Lessons from GW190425*, The Astrophysical Journal, 985, 142

233. Ma, X., Wang, X., Mo, J., et al., 2025, *Supernovae at distances ¡40 Mpc: I. Catalogues and fractions of supernovae in a complete sample*, Astronomy and Astrophysics, 698, A305

234. Ma, X., Wang, X., Mo, J., et al., 2025, *Supernovae at distances ¡40 Mpc: II. Supernova rate in the local Universe*, Astronomy and Astrophysics, 698, A306

235. Onori, F., Nicholl, M., Ramsden, P., et al., 2025, *The case of AT2022wtn: a tidal disruption event in an interacting galaxy*, Monthly Notices of the Royal Astronomical Society, 540, 498

236. Makrygianni, L., **Arcavi, I.**, Newsome, M., et al., 2025, *The Double Tidal Disruption Event AT 2022dbl Implies that at Least Some "Standard" Optical Tidal Disruption Events Are Partial Disruptions*, The Astrophysical Journal Letters, 987, 20

237. Gilkis, A., Laplace, E., **Arcavi, I.**, et al., 2025, *The landscape of binary core-collapse supernova progenitors and the late emergence of Wolf–Rayet winds*, Monthly Notices of the Royal Astronomical Society, 540, 3094

238. Dubey, M., Misra, K., Dastidar, R., et al., 2025, *Progenitor insights of Type IIP SN 2018pq: a comprehensive photometric and spectroscopic study*, Monthly Notices of the Royal Astronomical Society, 541, 384

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