

KISHORE CHANDRA PATRA

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Research Interests

Time-domain astronomy — black-hole astrophysics, tidal disruption events (TDEs), quasi-periodic X-ray eruptions (QPEs), and supernovae; **Exoplanets** — tidal orbital decay of hot Jupiters; **Instrumentation** — automated rapid follow-up spectrographs

Academic Positions

UCSC (Moore Foundation) Postdoctoral Fellow, UC Santa Cruz, CA	Nov 2026 – Present
NASA CRESST Postdoctoral Fellow	Sep 2026 – Present
Postdoctoral Researcher, University of California Observatories	Sep 2024 – Aug 2026
Postdoctoral Researcher (<i>parental leave</i>), Department of Astronomy, UC Berkeley	June 2024 – Aug 2024

Education

Ph.D. Astrophysics, University of California, Berkeley	2024
Advisor: Alexei V. Filippenko	
Thesis: <i>An Explosive Party: Supernovae, Tidal Disruption Events, and Quasi-Periodic Eruptions</i>	
M.A. Astrophysics, University of California, Berkeley	2020
B.S. Physics, Massachusetts Institute of Technology	2018
Advisors: Joshua N. Winn & Nevin N. Weinberg	
Thesis: <i>The Search for Orbital Decay of hot Jupiters</i>	

Awards, Honors & Scholarships

Total funding (grants, fellowships, awards): USD 0.71 Million

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|---|-------------|
| • NASA ACROSS Incubator (CRESST) Fellowship | 2026 – 2027 |
| • UCSC Moore Foundation Fellowship | 2026 – 2028 |
| • Robert J. Trumpler Graduate Student Excellence Award, UC Berkeley | 2023 |
| • Nagaraj-Noll-Otellini Graduate Fellowship, UC Berkeley | 2020 – 2024 |
| • Wonderfest Science Envoy | 2020 – 2021 |
| • Outstanding Graduate Student Instructor, UC Berkeley | 2020 |
| • Carl & Betty Helmholtz Fellowship, International-House at UC Berkeley | 2018 – 2019 |
| • Alan H. Barrett Prize in Astrophysics, MIT | 2018 |
| • Phi Beta Kappa, MIT | 2018 |
| • Ilona Karmel Writing Prize, MIT | 2017 |
| • Pestalozzi International Village Trust Scholarship, United Kingdom | 2011 – 2013 |

Telescope Time and Funding as Principal Investigator

Total PI Grants: USD 0.44 Million

James Webb Space Telescope (1 GO, 2 DDT programs)

1. *Late-time spectral energy distribution of the first off-nuclear tidal disruption event AT 2024tvd*, 12.3 hours, GO-11245, Cycle 5
2. *JWST observations of the off-nuclear TDE AT 2024tvd*, 6.1 hours, DDT-9249 Cycle 3

3. *Multiwavelength JWST and HST observations of the off-nuclear TDE AT 2025abcr*, 9.5 hours, DD-12485, Cycle 4

Roman Space Telescope (1 GI Program)

1. *Off-nuclear tidal disruption events observed by Roman Space Telescope*, GI-19039 (expected USD 150k), Cycle 1

Hubble Space Telescope (3 GO, 1 DDT programs)

1. *Late-time spectral energy distribution of the first off-nuclear tidal disruption event AT 2024tvd*, 3 orbits, GO-18237, Cycle 33
2. *Are 3XMM J2150 and EP240222a really off-nuclear tidal disruption events?*, 3 orbits, GO-18054 Cycle 33
3. *The UV-Optical-IR Spectral Energy Distribution of Quasi-Periodic Eruptions*, 10 orbits, GO-17914, Cycle 32
4. *Multiwavelength JWST and HST observations of the off-nuclear TDE AT 2025abcr*, 4 orbits, DD-18220, Cycle 33

XMM-Newton (1 GO program)

1. *Late-time spectral energy distribution of the first off-nuclear tidal disruption event AT 2024tvd*, 5 ksec, ID-99042, AO-25

Swift (multiple ToO)

1. *UV and X-ray emission from tidal disruption events*, > 21 ks

Gemini Telescope (NOIRLab)

1. *Spectroscopic classification of off-nuclear TDEs with GMOS*, 8 hours, GS-2026B-Q-105

10 m Keck Telescope (4 classical proposals)

1. *Polarimetry of supernovae and tidal disruption events*¹, 4 nights, 2023A, 2023B, 2024A, 2024B

1 m Nickel Telescope (6 classical proposals)

1. *Orbital Decay of Hot Jupiters with Transit Timing*, > 60 nights, 2022A, 2023B, 2024A, 2024B, 2025A
2. *Santa Cruz Exploration of Peculiar Transients*, 40 nights, 2026B

Astronomical Instrumentation

- Science Team, Software Lead - Dual-channel Automatic Rapid Transient Spectrograph (DARTS)

Refereed Publications

ADS Link, Google Scholar Link

45 total refereed (first-author = 7); 1210 total citations (first-author = 344); *h-index* = 18;

110 ATels/TNS Reports/GCN Circulars

[†] indicates papers by supervised students

Major Author

45. **Patra, K.**, Liepold, E.R., Earl, N., Foley, R.J., Ma, C.P., et al., 2026, *JWST and Keck observations of the off-nuclear tidal disruption event TDE 2025abcr: An evolving reprocessing layer*, submitted, arXiv:2604.16093, [PDF](#)
44. **Patra, K.**, Foley, R.J., Earl, N., Davis, K.W., Ramirez-Ruiz, E., et al., 2025, *JWST and Keck Observations of the Off-Nuclear TDE AT 2024tvd: A Massive Nuclear Star Cluster and Minor-Merger Origin for its Black Hole*, submitted, arXiv:2510.12572, [PDF](#)
43. **Patra, K.**, Lu, W., Ma, Y., Quataert, E., Miniutti, G., et al., 2024, *Constraints on the narrow-line region of the X-ray quasi-periodic eruption source GSN 069*, MNRAS, 530, 4, [PDF](#)
42. **Patra, K.**, Lu, W., Brink, T.G., Yang, Y., Filippenko, A.V., et al., 2022, *Spectropolarimetry of the tidal disruption event AT 2019qiz: a quasi-spherical reprocessing layer*, MNRAS, 515, 1, [PDF](#)
41. **Patra, K.**, Yang, Y., Brink, T.G., Höflich, P., Wang, L., et al., 2022, *Spectropolarimetry of the Type Ia SN 2019ein rules out significant global asphericity of the ejecta*, MNRAS, 509, 3, [PDF](#)

¹Graduate students cannot be PIs on University of California Keck proposals; A.V. Filippenko served as the acting PI

40. **Patra, K.**, Winn, J.N., Holman, M.J., Gillon, M., Burdanov, A., et al., 2020, *The Continuing Search for Evidence of Tidal Orbital Decay of Hot Jupiters*, AJ, 159, 4, [PDF](#)
39. **Patra, K.**, Winn, J.N., Holman, M.J., Yu, L., Deming, D., et al., 2017, *The Apparently Decaying Orbit of WASP-12b*, AJ, 154, 1, [PDF](#)
38. Vasylyev, S.S., Dessart, L., Yang, Y., Filippenko, A.V., **Patra, K.**, et al., 2026, *Spectropolarimetric Evolution of SN 2023ixf: An Asymmetric Explosion in a Confined Aspherical Circumstellar Medium*, ApJ, 1000, 1, [PDF](#)
- [†]37. Gendreau-Distler, E.A., Bostow, K.B., **Patra, K.**, Alvarado, I.E., Betz, A., et al., 2025, *Transit Timing of the White Dwarf-Cold Jupiter System WD 1856+534*, submitted, arXiv:2511.21611, [PDF](#)
36. Benabou, J.N., Dessert, C., **Patra, K.**, Brink, T.G., Zheng, W., et al., 2025, *Search for Axions in Magnetic White Dwarf Polarization at Lick and Keck Observatories*, submitted, arXiv:2504.12377, [PDF](#)
- [†]35. Alvarado, E., Bostow, K.B., **Patra, K.**, Jacobus, C.H., Baer-Way, R.A., et al., 2024, *Searching for tidal orbital decay in hot Jupiters*, MNRAS, 534, 1, [PDF](#)
34. Hu, X.K., Yu, Y.W., Zhang, J., Wang, X.G., **Patra, K.**, et al., 2024, *Multiwavelength Polarization Observations of Mrk 501*, ApJL, 970, 1, [PDF](#)
33. Vasylyev, S.S., Yang, Y., **Patra, K.**, Filippenko, A.V., Baade, D., et al., 2024, *Spectropolarimetry of the Type IIP supernova 2021yja: an unusually high continuum polarization during the photospheric phase*, MNRAS, 527, 2, [PDF](#)
- [†]32. Risin, S., Jacobus, C., Altunin, I., Brink, T.G., **Patra, K.**, et al., 2023, *Optical Observations of the Type Ia Supernova 2022hrs*, Research Notes of the American Astronomical Society, 7, 10, [PDF](#)
31. Vasylyev, S.S., Yang, Y., Filippenko, A.V., **Patra, K.**, Brink, T.G., et al., 2023, *Early Time Spectropolarimetry of the Aspherical Type II Supernova SN 2023ixf*, ApJL, 955, 2, [PDF](#)
30. Zhang, K.D., Murakami, Y.S., Stahl, B.E., **Patra, K.**, Filippenko, A.V., 2021, *Improving bayesian posterior correlation analysis on type Ia supernova luminosity evolution*, MNRAS, 503, 1, [PDF](#)
29. Yee, S.W., Winn, J.N., Knutson, H.A., **Patra, K.**, Vissapragada, S., et al., 2020, *The Orbit of WASP-12b Is Decaying*, ApJL, 888, 1, [PDF](#)
28. Kosiarek, M., Nisley, I., **Patra, K.**, Hatano, R., Bates, H., et al., 2017, *Rotation Period of Asteroid 3494 Purple Mountain*, Minor Planet Bulletin, 44, 3, [PDF](#)

Contributing Author

27. Davis, K.W., Taggart, K., Tinyanont, S., Foley, R.J., Rho, J., et al., 2026, *JWST Reveals Large Reservoirs of Dust and Ongoing Circumstellar Interaction in SN Ibn/Icn 2023xgo over a Year Post-Explosion*, submitted, arXiv:2606.00208, [PDF](#)
26. Ravi, A.P., Kumar, S., Baer-Way, R., Valenti, S., Modjaz, M., et al., 2026, *The Double-peaked Calcium-strong SN 2025coe: Progenitor Constraints from Early Interaction and Ejecta Asymmetries*, ApJ, 1003, 1, [PDF](#)
25. Hwangbo, R., Rho, J., Ravi, A.P., Park, S.H., Jin, H., et al., 2026, *Near-Infrared and Optical Observations of SN 2024rbc: The First Early Detection of CO and Dust in a Type Ib Supernova*, submitted, arXiv:2603.23877, [PDF](#)
24. Yete, R., Jacobson-Galan, W., Ferdinand, F., Dessart, L., Kasliwal, M., et al., 2026, *SN 2024iss: A Multi-Wavelength Exposé of a Type IIb Supernova with an Early-Time Ultraviolet Spectrum and Shock Breakout Constraints*, submitted, arXiv:2603.20375, [PDF](#)
23. Singh, M., Kwok, L.A., Jha, S.W., Dastidar, R., Larison, C., et al., 2026, *Photometry and Spectroscopy of SN 2024pxl: A Luminosity Link among Type Iax Supernovae*, ApJ, 999, 2, [PDF](#)
22. de Soto, K., Villar, V.A., Goldberg, J.A., Nugent, A., Dong, Y., et al., 2026, *AT 2024ahzi: A Type IIP Supernova Discovered by the LSST Commissioning Camera*, submitted, arXiv:2603.00262, [PDF](#)
21. LeBaron, N., Margutti, R., Chornock, R., A. J., N., Aspegren, O., et al., 2026, *The Most Luminous Known Fast Blue Optical Transient AT 2024wpp: Unprecedented Evolution and Properties in the Ultraviolet to the Near-infrared*, ApJL, 997, 1, [PDF](#)
20. Yang, Y., Wen, X., Wang, L., Baade, D., Wheeler, J.C., et al., 2025, *An axisymmetric shock breakout indicated by prompt polarized emission from the type II supernova 2024ggi*, Science Advances, 11, 24.2925, [PDF](#)
19. Jacobson-Galán, W.V., Dessart, L., Kilpatrick, C.D., Patel, P.J., Auchettl, K., et al., 2025, *A Panchromatic View of Late-time Shock Power in the Type II Supernova 2023ixf*, ApJL, 994, 1, [PDF](#)

18. Hoogendam, W.B., Jones, D.O., Ashall, C., Shappee, B.J., Foley, R.J., et al., 2025, *Seeing the Outer Edge of the Infant Type Ia Supernova 2024epr in the Optical and Near Infrared*, The Open Journal of Astrophysics, 8, 120, [PDF](#)
17. Kwok, L.A., Singh, M., Jha, S.W., Blondin, S., Dastidar, R., et al., 2025, *JWST and Ground-based Observations of the Type Iax Supernovae SN 2024pxl and SN 2024vjm: Evidence for Weak Deflagration Explosions*, ApJL, 989, 2, [PDF](#)
16. Gagliano, A., Villar, V.A., Matsumoto, T., Jones, D.O., Ransome, C.L., et al., 2025, *Evidence for an Instability-induced Binary Merger in the Double-peaked, Helium-rich Type II_n Supernova 2023zkd*, ApJ, 989, 2, [PDF](#)
15. Zheng, W., Dessart, L., Filippenko, A.V., Yang, Y., Brink, T.G., et al., 2025, *SN 2023ixf in the Pinwheel Galaxy M101: From Shock Breakout to the Nebular Phase*, ApJ, 988, 1, [PDF](#)
14. Das, K.K., Kasliwal, M.M., Fremling, C., Sollerman, J., Perley, D.A., et al., 2025, *Low-luminosity Type IIP Supernovae from the Zwicky Transient Facility Census of the Local Universe. I. Luminosity Function, Volumetric Rate*, PASP, 137, 4, [PDF](#)
13. Nicholl, M., Pasham, D.R., Mummery, A., Guolo, M., Gendreau, K., et al., 2024, *Quasi-periodic X-ray eruptions years after a nearby tidal disruption event*, Nature, 634, 8035, [PDF](#)
12. Liu, Q., Lin, J., Wang, X., Dai, Z., Sun, Y., et al., 2024, *Minute-Cadence Observations of the LAMOST Fields with the TMTS: IV—Catalog of Cataclysmic Variables from the First 3-yr Survey*, Universe, 10, 9, [PDF](#)
11. Irani, I., Chen, P., Morag, J., Schulze, S., Gal-Yam, A., et al., 2024, *SN 2022oqm—A Ca-rich Explosion of a Compact Progenitor Embedded in C/O Circumstellar Material*, ApJ, 962, 2, [PDF](#)
10. Vasylyev, S.S., Vogl, C., Yang, Y., Filippenko, A.V., Brink, T.G., et al., 2023, *Early-time Ultraviolet and Optical Hubble Space Telescope Spectroscopy of the Type II Supernova 2022wsp*, ApJL, 959, 2, [PDF](#)
9. Karambelkar, V.R., Kasliwal, M.M., Blagorodnova, N., Sollerman, J., Aloisi, R., et al., 2023, *Volumetric Rates of Luminous Red Novae and Intermediate-luminosity Red Transients with the Zwicky Transient Facility*, ApJ, 948, 2, [PDF](#)
8. Hoefflich, P., Yang, Y., Baade, D., Cikota, A., Maund, J.R., et al., 2023, *The core normal Type Ia supernova 2019np - an overall spherical explosion with an aspherical surface layer and an aspherical ^{56}Ni core*, MNRAS, 520, 1, [PDF](#)
7. Yang, Y., Yan, H., Wang, L., Wheeler, J.C., Baade, D., et al., 2022, *Spectropolarimetry of the Thermonuclear Supernova SN 2021rhu: High Calcium Polarization 79 Days after Peak Luminosity*, ApJ, 939, 1, [PDF](#)
6. Cai, Y.Z., Pastorello, A., Fraser, M., Wang, X.F., Filippenko, A.V., et al., 2022, *Forbidden hugs in pandemic times. III. Observations of the luminous red nova AT 2021biy in the nearby galaxy NGC 4631*, AA, 667, A4, [PDF](#)
5. Vasylyev, S.S., Filippenko, A.V., Vogl, C., Brink, T.G., Brown, P.J., et al., 2022, *Early-time Ultraviolet Spectroscopy and Optical Follow-up Observations of the Type IIP Supernova 2021yja*, ApJ, 934, 2, [PDF](#)
4. Kilpatrick, C.D., Coulter, D.A., Arcavi, I., Brink, T.G., Dimitriadis, G., et al., 2021, *The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star-Black Hole Merger GW190814*, ApJ, 923, 2, [PDF](#)
3. Sollerman, J., Yang, S., Schulze, S., Strotjohann, N.L., Jerkstrand, A., et al., 2021, *The Type II supernova SN 2020jfo in M 61, implications for progenitor system, and explosion dynamics*, AA, 655, A105, [PDF](#)
2. Murakami, Y.S., Stahl, B.E., Zhang, K.D., Chu, M.R., McGinness, E.C., et al., 2021, *On the relationship between Type Ia supernova luminosity and host-galaxy properties*, MNRAS, 504, 1, [PDF](#)
1. De Propriis, R., West, M.J., Andrade-Santos, F., Ragone-Figueroa, C., Rasia, E., et al., 2021, *Brightest cluster galaxies: the centre can(not?) hold*, MNRAS, 500, 1, [PDF](#)

Selected Talks

Invited

- UC Santa Cruz Colloquium, *Off-nuclear TDEs as probes of wandering massive black holes* Jan 2026
- Carnegie Observatories Lunch Seminar, *Polarimetry of supernovae and tidal disruption events* Jan 2024
- Stanford KIPAC, *Nuclear transients: Quasi-periodic eruptions and tidal disruption events* Dec 2023
- STScI Transient Group Seminar, *Polarimetry of supernovae and tidal disruption events* Dec 2023

- Princeton Thursday Lunch Talks, *Polarimetry of supernovae and tidal disruption events* Nov 2023
- UC Berkeley Compass Lecture, *Optical emission from tidal disruption events* Oct 2022
- UC Berkeley CIPS² Talk, *The search for orbital decay of hot Jupiters* Sep 2019
- UMass Lowell, BAESM³, *The apparently decaying orbit of WASP-12b* May 2018

Contributed

- NASA ACROSS Meeting Fall 2026, *Off-nuclear TDEs and YSE-PZ* Sep 2026
- Winter AAS Meeting Dissertation Talk, *Polarimetry of tidal disruption events* Jan 2024
- SuperVirtual Conference, *Polarimetry of supernovae and tidal disruption events* Nov 2023
- UC Berkeley Lunch Talks, *Constraints on the QPEs in GSN 069* Sep 2023
- UC Berkeley Explosive Astro Seminar, *Spectropolarimetry of the TDE AT 2019qiz* Sep 2022
- UC Berkeley Astro Lunch Talks, *The remarkably unremarkable SN 2019ein* Oct 2021
- UC Berkeley Explosive Astro seminar, *Spectropolarimetry of SN 2019ein* Sep 2021
- UC Berkeley Astro Lunch Talks, *Spectropolarimetry of supernovae* Oct 2019
- UC Berkeley GSPS⁴, *The search for orbital decay of hot Jupiters* Apr 2019
- Lowell Observatory, Flagstaff AZ, *The dynamical state of brightest cluster galaxies* Jan 2018

General Audience

- “Evening With Stars” Fundraising Event, *Disruption of stars by supermassive black holes* May 2024
- Asha Berkeley Annual Forum, *The incredible life and work of Subrahmanyan Chandrasekhar* Nov 2023
- Wonderfest Bay Area Double Play, *Exploding Stars* Mar 2021
- The Nueva School Intersession, *Exoplanets and Exploding Stars* Jan 2021
- UC Berkeley Astronomy Night, *Exploding Stars* June 2020
- MIT SPARK Program, *The physics of airplanes* Mar 2017

Mentoring

- Research mentor for UCSC Lamat Program 2026 – present
- Leader of UC Berkeley astronomy graduate student peer-mentoring program 2020 – 2022
- Mentor for UC Berkeley Compass Mentoring Program 2021
- Research mentor for ULAB undergraduate research program, UC Berkeley 2020 – 2021
- Research mentor for Cal-NERDS⁵ Program for under-represented STEM students 2022 – present

Supervised Undergraduate Student Projects

The host galaxies of off-nuclear tidal disruption events April 2026 – Present
Student: **Dominique (Nikki) Volpe**, UC Santa Cruz, Lamat Program

The closest TDE of the year—2025aarm Jan 2026 – Present
Student: **Joshua Candanoza**, UC Santa Cruz

The Search for Evidence of Tidal Orbital Decay in Hot Jupiters June 2022 – Sep 2024
Students: **Efrain Alvarado III**, Kate Bostow, UC Berkeley
Paper: Alvarado, Bostow, Patra et al. (2024), MNRAS, 534, 800

Orbital evolution of the white dwarf-hot Jupiter system WD 1856+534 June 2022 – present
Students: **Eli Gendreau-Distler**, Kate Bostow, UC Berkeley
Papers: Gendreau-Distler, Bostow, Patra et al. (2025), submitted to ApJ.

Astronomy Honors Thesis: Statistical analysis of Si II line velocities of SNe Ia Aug 2022 – May 2023
Student: **Edgar Vidal**, UC Berkeley

Modeling infrared dust echoes from tidal disruption events May 2022 – April 2023
Student: **Ducheng Lu**, SUSTech, Shenzhen China, UC Berkeley exchange student
Paper: Lu, Patra et al., in prep.

²Center for Integrative Planetary Science

³Boston Area Exoplanet Science Meeting

⁴Graduate Student & Postdoc Seminar

⁵New Experiences for Research and Diversity in Science

Teaching

Math & Physical Sciences (MPS) Department Facilitator, (UC Berkeley) Fall 2023

MPS 375: Professional Preparation - Supervised Teaching in Math and the Physical Sciences

Provided specialized knowledge, support, and mentorship for new Graduate Student Instructors in astronomy, and assisted in the curation of course material

Graduate Student Instructor, Dept. of Astronomy, (UC Berkeley) Fall 2022

MPS 375: Professional Preparation - Supervised Teaching in Math and the Physical Sciences

Led weekly discussion sections for new Graduate Student Instructors in astronomy

Average evaluation rating: 6.8/7

Head Graduate Student Instructor, Dept. of Astronomy (UC Berkeley) Fall 2019

Astron C10: Introduction to General Astronomy

Led a team of 36 (20 instructors + 16 graders) to run a class with enrollment ~ 850 students. Led weekly discussion sections for ~ 60 undergraduates.

Average evaluation rating: 6.8/7

Guest Lecturer, Dept. of Astronomy (UC Berkeley) Fall 2019

Astron C10: Introduction to General Astronomy

Covered 2 lectures for course instructor Alex Filippenko

Graduate Student Instructor, Dept. of Astronomy (UC Berkeley) Fall 2018

Astron C10: Introduction to General Astronomy

Led weekly discussion sections for ~ 70 undergraduates.

Average evaluation rating: 6.3/7

Developer of Sophomore-Level Experimental Physics Course (MIT) Fall 2017

8.S12: Introduction to Experimental Physics

Designed and built apparatus for lab experiments, wrote lab manuals, readings and quizzes

Lecturer, MIT High-School Summer Program August 2017

Exoplanets: What we know so far. What's in the future?

Designed and led the class for ~ 40 high school students

High-school Physics & Math teacher (Kolkata, India) 2013 – 2014

International Baccalaureate Diploma Program, Oaktree International School Kolkata

Taught ~ 20 high- & middle-school students, managed school library, served as residential advisor

Selected Service & Outreach

- Telescope Time Allocation Committee, NOIRLab 2026B
- Referee for Nature (Astronomy), ApJ, ApJL, MNRAS, A&A
- Organizer and member of Q/A panel for new graduate student instructors 2022-2023
- KPOO-FM 89.5 Poor People's Radio interview Aug 2021
- Panelist on the graduate diversity fair, UC Berkeley Oct 2021
- Volunteer tutor for Astro Scholars Program for under-represented students, UC Berkeley 2020
- Referee for Berkeley Scientific Journal for undergraduate research 2019
- Volunteer for UC Berkeley Cal Day & Bay Area Science Festival 2018, 2019, 2021
- Repaired and repurposed lab equipment for under-funded schools, Boston MA 2017-2018

Selected Press

- Wandering black hole detected via the off-nuclear TDE 2025abcr: (Patra et al. 2026)
-Science, Smithsonian Magazine
- The Decaying Orbit of WASP-12b: (Patra et al. 2017), (Yee et al. 2022)
-AAS Nova, Princeton News, CNN, Sky & Telescope

- Quasi-spherical reprocessing layer in TDE AT 2019qiz: (Patra et al. 2022)
-UC Berkeley News, Science Daily, The Debrief, Universe Today, Space.com