

## PUBLICATIONS

**First Author: 2 (759 citations), total papers: 46 (6329 citations), h-index: 28 [ADS]**FIRST AUTHOR  
PUBLICATIONS

46. **Coulter D. A.**, et al., (2017), Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source, *Sci*, **358**, [1556](#)
45. **Coulter D. A.**, et al., (2017), Testing the Universality of the Stellar IMF with Chandra and HST, *ApJ*, **835**, [183](#)

SECOND  
AUTHOR/MAJOR  
CONTRIBUTION  
PUBLICATIONS

44. Kilpatrick C. D., **Coulter D. A.**, et al., (2021), The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star-Black Hole Merger GW190814, *ApJ*, **923**, [258](#)
43. Foley R. J., **Coulter D. A.**, et al., (2020), Updated parameter estimates for GW190425 using astrophysical arguments and implications for the electromagnetic counterpart, *MNRAS*, **494**, [190](#)
42. Law-Smith J. A. P., **Coulter D. A.**, et al., (2020), Stellar Tidal Disruption Events with Abundances and Realistic Structures (STARS): Library of Fallback Rates, *ApJ*, **905**, [141](#)
41. Jones D. O., et al., **including Coulter D. A.**, (2021), The Young Supernova Experiment: Survey Goals, Overview, and Operations, *ApJ*, **908**, [143](#)
40. Coughlin M. W., et al., **including Coulter D. A.**, (2019), Optimizing multitelescope observations of gravitational-wave counterparts, *MNRAS*, **489**, [5775](#)

COLLABORATION  
PUBLICATIONS

39. Jacobson-Galán W. V., et al., **including Coulter D. A.**, (2022), The Circumstellar Environments of Double-peaked, Calcium-strong Transients 2021gno and 2021inl, *ApJ*, **932**, [58](#)
38. Tinyanont S., et al., **including Coulter D. A.**, (2022), Progenitor and close-in circumstellar medium of type II supernova 2020fqv from high-cadence photometry and ultra-rapid UV spectroscopy, *MNRAS*, **512**, [2777](#)
37. Dimitriadis G., et al., **including Coulter D. A.**, (2022), A Carbon/Oxygen-dominated Atmosphere Days after Explosion for the "Super-Chandrasekhar" Type Ia SN 2020esm, *ApJ*, **927**, [78](#)
36. Gagliano A., et al., **including Coulter D. A.**, (2022), An Early-time Optical and Ultraviolet Excess in the Type-Ic SN 2020oi, *ApJ*, **924**, [55](#)
35. Jacobson-Galán W. V., et al., **including Coulter D. A.**, (2022), Final Moments. I. Precursor Emission, Envelope Inflation, and Enhanced Mass Loss Preceding the Luminous Type II Supernova 2020tlf, *ApJ*, **924**, [15](#)
34. Wang Q., et al., **including Coulter D. A.**, (2021), SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2), *ApJ*, **923**, [167](#)
33. Armstrong P., et al., **including Coulter D. A.**, (2021), SN2017jgh: a high-cadence complete shock cooling light curve of a SN IIb with the Kepler telescope, *MNRAS*, **507**, [3125](#)
32. Hinkle J. T., et al., **including Coulter D. A.**, (2021), Discovery and follow-up of ASASSN-19dj: an X-ray and UV luminous TDE in an extreme post-starburst galaxy, *MNRAS*, **500**, [1673](#)
31. Dimitriadis G., et al., **including Coulter D. A.**, (2019), K2 Observations of SN 2018oh Reveal a Two-component Rising Light Curve for a Type Ia Supernova, *ApJL*, **870**, [L1](#)
30. Li W., et al., **including Coulter D. A.**, (2019), Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh with Early Excess Emission from the Kepler 2 Observations, *ApJ*, **870**, [12](#)
29. Brout D., et al., **including Coulter D. A.**, (2022), The Pantheon+ Analysis: Cosmological Constraints, *arXiv*, [arXiv:2202.04077](#)

28. Kilpatrick C. D., **Coulter D. A.**, et al., (2021), Updated Photometry of the Yellow Supergiant Progenitor and Late-time Observations of the Type IIb Supernova 2016gkg, [arXiv:2112.03308](#)
27. Scolnic D., et al., **including Coulter D. A.**, (2021), The Pantheon+ Analysis: The Full Dataset and Light-Curve Release, [arXiv:2112.03863](#)
26. Dettman K. G., et al., **including Coulter D. A.**, (2021), The Foundation Supernova Survey: Photospheric Velocity Correlations in Type Ia Supernovae, [ApJ, 923, 267](#)
25. Jencson J. E., et al., **including Coulter D. A.**, (2021), AT 2019qyl in NGC 300: Internal Collisions in the Early Outflow from a Very Fast Nova in a Symbiotic Binary, [ApJ, 920, 127](#)
24. Heinzel J., et al., **including Coulter D. A.**, (2021), Comparing inclination-dependent analyses of kilonova transients, [MNRAS, 502, 3057](#)
23. Barna B., et al., **including Coulter D. A.**, (2021), SN 2019muj - a well-observed Type Iax supernova that bridges the luminosity gap of the class, [MNRAS, 501, 1078](#)
22. Hung T., et al., **including Coulter D. A.**, (2020), Double-peaked Balmer Emission Indicating Prompt Accretion Disk Formation in an X-Ray Faint Tidal Disruption Event, [ApJ, 903, 31](#)
21. Jacobson-Galán W. V., et al., **including Coulter D. A.**, (2020), SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features, [ApJ, 898, 166](#)
20. Coughlin M. W., et al., **including Coulter D. A.**, (2020), Measuring the Hubble constant with a sample of kilonovae, [NatCo, 11, 4129](#)
19. Holoien T. W.-S., et al., **including Coulter D. A.**, (2020), The Rise and Fall of ASASSN-18pg: Following a TDE from Early to Late Times, [ApJ, 898, 161](#)
18. Jacobson-Galán W. V., et al., **including Coulter D. A.**, (2020), Ca hnk: The Calcium-rich Transient Supernova 2016hnk from a Helium Shell Detonation of a Sub-Chandrasekhar White Dwarf, [ApJ, 896, 165](#)
17. Neustadt J. M. M., et al., **including Coulter D. A.**, (2020), To TDE or not to TDE: the luminous transient ASASSN-18jd with TDE-like and AGN-like qualities, [MNRAS, 494, 2538](#)
16. Coughlin M. W., et al., **including Coulter D. A.**, (2020), Standardizing kilonovae and their use as standard candles to measure the Hubble constant, [PhRvR, 2, 022006](#)
15. Jones D. O., et al., **including Coulter D. A.**, (2019), The Foundation Supernova Survey: Measuring Cosmological Parameters with Supernovae from a Single Telescope, [ApJ, 881, 19](#)
14. Kilpatrick C. D., **Coulter D. A.**, et al., (2018), X-ray limits on the progenitor system of the Type Ia supernova 2017ejb, [MNRAS, 481, 4123](#)
13. Jones D. O., et al., **including Coulter D. A.**, (2018), Should Type Ia Supernova Distances Be Corrected for Their Local Environments?, [ApJ, 867, 108](#)
12. Foley R. J., et al., **including Coulter D. A.**, (2018), The Foundation Supernova Survey: motivation, design, implementation, and first data release, [MNRAS, 475, 193](#)
11. Kilpatrick C. D., et al., **including Coulter D. A.**, (2018), Connecting the progenitors, pre-explosion variability and giant outbursts of luminous blue variables with Gaia16cfr, [MNRAS, 473, 4805](#)
10. Tartaglia L., et al., **including Coulter D. A.**, (2018), The Early Detection and Follow-up of the Highly Obscured Type II Supernova 2016ija/DLT16am, [ApJ, 853, 62](#)
9. Kilpatrick C. D., et al., **including Coulter D. A.**, (2017), Electromagnetic evidence that SSS17a is the result of a binary neutron star merger, [Sci, 358, 1583](#)
8. Drout M. R., et al., **including Coulter D. A.**, (2017), Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis, [Sci, 358, 1570](#)
7. Shappee B. J., et al., **including Coulter D. A.**, (2017), Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger, [Sci, 358, 1574](#)
6. Abbott B. P., et al., **including Coulter D. A.**, (2017), A gravitational-wave standard siren measurement of the Hubble constant, [Natur, 551, 85](#)

5. Abbott B. P., et al., **including Coulter D. A.**, (2017), Multi-messenger Observations of a Binary Neutron Star Merger, [ApJL, 848, L12](#)
4. Pan Y.-C., et al., **including Coulter D. A.**, (2017), The Old Host-galaxy Environment of SSS17a, the First Electromagnetic Counterpart to a Gravitational-wave Source, [ApJL, 848, L30](#)
3. Siebert M. R., et al., **including Coulter D. A.**, (2017), The Unprecedented Properties of the First Electromagnetic Counterpart to a Gravitational-wave Source, [ApJL, 848, L26](#)
2. Murguia-Berthier A., et al., **including Coulter D. A.**, (2017), A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a, [ApJL, 848, L34](#)
1. Peacock M. B., et al., **including Coulter D. A.**, (2017), Further Constraints on Variations in the Initial Mass Function from Low-mass X-ray Binary Populations, [ApJ, 841, 28](#)

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2. Coulter, D. A, et al., (2022), YSE-PZ: An Open-source Target and Observation Management System (v0.3.0), Zenodo, [10.5281/zenodo.7278430](#)
1. Coulter, D. A, (2021), Teglun: A Pixel-level Gravitational Wave Search Optimization and Analysis Code (v0.0.0), Zenodo, [10.5281/zenodo.5683508](#)

TRANSIENT  
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443 TNS Discovery Reports, 25 Astronomer's Telegrams, 18 Gamma-ray Coordinates Network Reports