David A Coulter

List of Publications by Year
in descending order

38 papers	3,067 citations	236912 25 h-index	315719 38 g-index
38 all docs	38 docs citations	38 times ranked	3525 citing authors

#	Article	IF	Citations
1	Progenitor and close-in circumstellar medium of type II supernova 2020fqv from high-cadence photometry and ultra-rapid UV spectroscopy. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2777-2797.	4.4	17
2	Final Moments. I. Precursor Emission, Envelope Inflation, and Enhanced Mass Loss Preceding the Luminous Type II Supernova 2020tlf. Astrophysical Journal, 2022, 924, 15.	4.5	59
3	An Early-time Optical and Ultraviolet Excess in the Type-Ic SN 2020oi. Astrophysical Journal, 2022, 924, 55.	4.5	22
4	A Carbon/Oxygen-dominated Atmosphere Days after Explosion for the â€œSuper-Chandrasekharâ€•Type Ia SN 2020esm. Astrophysical Journal, 2022, 927, 78.	4.5	15
5	The Circumstellar Environments of Double-peaked, Calcium-strong Transients 2021gno and 2021inl. Astrophysical Journal, 2022, 932, 58.	4.5	15
6	Comparing inclination-dependent analyses of kilonova transients. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3057-3065.	4.4	34
7	The Young Supernova Experiment: Survey Goals, Overview, and Operations. Astrophysical Journal, 2021, 908, 143.	4.5	52
8	AT 2019qyl in NGC 300: Internal Collisions in the Early Outflow from a Very Fast Nova in a Symbiotic Binary* â€. Astrophysical Journal, 2021, 920, 127.	4.5	4
9	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Starâ€“Black Hole Merger GW190814. Astrophysical Journal, 2021, 923, 258.	4.5	19
10	The Foundation Supernova Survey: Photospheric Velocity Correlations in Type Ia Supernovae. Astrophysical Journal, 2021, 923, 267.	4.5	7
11	SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2). Astrophysical Journal, 2021, 923, 167.	4.5	10
12	Measuring the Hubble constant with a sample of kilonovae. Nature Communications, 2020, 11, 4129.	12.8	35
13	Discovery and follow-up of ASASSN-19dj: an X-ray and UV luminous TDE in an extreme post-starburst galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1673-1696.	4.4	64
14	Updated parameter estimates for GW190425 using astrophysical arguments and implications for the electromagnetic counterpart. Monthly Notices of the Royal Astronomical Society, 2020, 494, 190-198.	4.4	37
15	To TDE or not to TDE: the luminous transient ASASSN-18jd with TDE-like and AGN-like qualities. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2538-2560.	4.4	34
16	SN 2019muj â€“ a well-observed Type Iax supernova that bridges the luminosity gap of the class. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1078-1099.	4.4	14
17	Standardizing kilonovae and their use as standard candles to measure the Hubble constant. Physical Review Research, 2020, 2, .	3.6	35
18	Ca hnk: The Calcium-rich Transient Supernova 2016hnk from a Helium Shell Detonation of a Sub-Chandrasekhar White Dwarf. Astrophysical Journal, 2020, 896, 165.	4.5	19

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19	SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features. Astrophysical Journal, 2020, 898, 166.	4.5	48
20	The Rise and Fall of ASASSN-18pg: Following a TDE from Early to Late Times. Astrophysical Journal, 2020, 898, 161.	4.5	41
21	Double-peaked Balmer Emission Indicating Prompt Accretion Disk Formation in an X-Ray Faint Tidal Disruption Event. Astrophysical Journal, 2020, 903, 31.	4.5	37
22	Stellar Tidal Disruption Events with Abundances and Realistic Structures (STARS): Library of Fallback Rates. Astrophysical Journal, 2020, 905, 141.	4.5	36
23	Optimizing multitelescope observations of gravitational-wave counterparts. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5775-5783.	4.4	35
24	The Foundation Supernova Survey: Measuring Cosmological Parameters with Supernovae from a Single Telescope. Astrophysical Journal, 2019, 881, 19.	4.5	67
25	Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh with Early Excess Emission from the Kepler 2 Observations. Astrophysical Journal, 2019, 870, 12.	4.5	60
26	K2 Observations of SN 2018oh Reveal a Two-component Rising Light Curve for a Type Ia Supernova. Astrophysical Journal Letters, 2019, 870, L1.	8.3	80
27	The Foundation Supernova Survey: motivation, design, implementation, and first data release. Monthly Notices of the Royal Astronomical Society, 2018, 475, 193-219.	4.4	88
28	X-ray limits on the progenitor system of the Type Ia supernova 2017ejb. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4123-4132.	4.4	9
29	Should Type Ia Supernova Distances Be Corrected for Their Local Environments?. Astrophysical Journal, 2018, 867, 108.	4.5	98
30	Further Constraints on Variations in the Initial Mass Function from Low-mass X-ray Binary Populations. Astrophysical Journal, 2017, 841, 28.	4.5	12
31	Testing the Universality of the Stellar IMF with Chandra and HST. Astrophysical Journal, 2017, 835, 183.	4.5	7
32	Swope Supernova Survey 2017a (SSS17a), the optical counterpart to a gravitational wave source. Science, 2017, 358, 1556-1558.	12.6	811
33	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. Science, 2017, 358, 1570-1574.	12.6	517
34	Electromagnetic evidence that SSS17a is the result of a binary neutron star merger. Science, 2017, 358, 1583-1587.	12.6	203
35	Early spectra of the gravitational wave source GW170817: Evolution of a neutron star merger. Science, 2017, 358, 1574-1578.	12.6	240
36	A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. Astrophysical Journal Letters, 2017, 848, L34.	8.3	101

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37	The Unprecedented Properties of the First Electromagnetic Counterpart to a Gravitational-wave Source. Astrophysical Journal Letters, 2017, 848, L26.	8.3	31
38	The Old Host-galaxy Environment of SSS17a, the First Electromagnetic Counterpart to a Gravitational-wave Source*. Astrophysical Journal Letters, 2017, 848, L30.	8.3	54