# Ragnhild Lunnan

List of Publications by Year
in descending order

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| 83 | 8,541 | 46984 47 | 54882 84 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 84 | 84 | 84 | 6450 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. Astrophysical Journal, 2018, 859, 101. | 1.6 | 1,694 |
| 2 | The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002. | 1.0 | 1,020 |
| 3 | The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001. | 1.0 | 453 |
| 4 | COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. Astrophysical Journal, 2014, 795, 44. | 1.6 | 262 |
| 5 | RAPIDLY EVOLVING AND LUMINOUS TRANSIENTS FROM PAN-STARRS1. Astrophysical Journal, 2014, 794, 23. | 1.6 | 254 |
| 6 | Slowly fading super-luminous supernovae that are not pair-instability explosions. Nature, 2013, 502, 346-349. | 13.7 | 226 |
| 7 | HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE AND LONG-DURATION GAMMA-RAY BURSTS HAVE SIMILAR HOST GALAXIES. Astrophysical Journal, 2014, 787, 138. | 1.6 | 221 |
| 8 | A PANCHROMATIC VIEW OF THE RESTLESS SN 2009ip REVEALS THE EXPLOSIVE EJECTION OF A MASSIVE STAR ENVELOPE. Astrophysical Journal, 2014, 780, 21. | 1.6 | 182 |
| 9 | HOST-GALAXY PROPERTIES OF 32 LOW-REDSHIFT SUPERLUMINOUS SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2016, 830, 13. | 1.6 | 170 |
| 10 | iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. Science, 2017, 356, 291-295. | 6.0 | 168 |
| 11 | THE ULTRAVIOLET-BRIGHT, SLOWLY DECLINING TRANSIENT PS1-11af AS A PARTIAL TIDAL DISRUPTION EVENT. Astrophysical Journal, 2014, 780, 44. | 1.6 | 166 |
| 12 | TOWARD CHARACTERIZATION OF THE TYPE IIP SUPERNOVA PROGENITOR POPULATION: A STATISTICAL SAMPLE OF LIGHT CURVES FROM Pan-STARRS1. Astrophysical Journal, 2015, 799, 208. | 1.6 | 149 |
| 13 | SHORT GRB 130603B: DISCOVERY OF A JET BREAK IN THE OPTICAL AND RADIO AFTERGLOWS, AND A MYSTERIOUS LATE-TIME X-RAY EXCESS. Astrophysical Journal, 2014, 780, 118. | 1.6 | 142 |
| 14 | SN 2015bn: A DETAILED MULTI-WAVELENGTH VIEW OF A NEARBY SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2016, 826, 39. | 1.6 | 133 |
| 15 | SYSTEMATIC UNCERTAINTIES ASSOCIATED WITH THE COSMOLOGICAL ANALYSIS OF THE FIRST PAN-STARRS1 TYPE Ia SUPERNOVA SAMPLE. Astrophysical Journal, 2014, 795, 45. | 1.6 | 131 |
| 16 | Revisiting Optical Tidal Disruption Events with iPTF16axa. Astrophysical Journal, 2017, 842, 29. | 1.6 | 124 |
| 17 | Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. Nature, 2017, 551, 210-213. | 13.7 | 112 |
| 18 | iPTF16fnl: A Faint and Fast Tidal Disruption Event in an E+A Galaxy. Astrophysical Journal, 2017, 844, 46. | 1.6 | 111 |

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|---|---|---|---|
| 19 | A REVERSE SHOCK IN GRB 130427A. Astrophysical Journal, 2013, 776, 119. | 1.6 | 108 |
| 20 | METAMORPHOSIS OF SN 2014C: DELAYED INTERACTION BETWEEN A HYDROGEN POOR CORE-COLLAPSE SUPERNOVA AND A NEARBY CIRCUMSTELLAR SHELL. Astrophysical Journal, 2015, 815, 120. | 1.6 | 105 |
| 21 | Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. Astrophysical Journal, 2018, 855, 2. | 1.6 | 98 |
| 22 | Hydrogen-poor Superluminous Supernovae with Late-time HÎ± Emission: Three Events From the Intermediate Palomar Transient Factory. Astrophysical Journal, 2017, 848, 6. | 1.6 | 91 |
| 23 | Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. Astrophysical Journal, 2018, 852, 81. | 1.6 | 88 |
| 24 | ZOOMING IN ON THE PROGENITORS OF SUPERLUMINOUS SUPERNOVAE WITH THEHST. Astrophysical Journal, 2015, 804, 90. | 1.6 | 86 |
| 25 | A hot and fast ultra-stripped supernova that likely formed a compact neutron star binary. Science, 2018, 362, 201-206. | 6.0 | 84 |
| 26 | Machine Learning for the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 038002. | 1.0 | 83 |
| 27 | PS1-10bzj: A FAST, HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA IN A METAL-POOR HOST GALAXY. Astrophysical Journal, 2013, 771, 97. | 1.6 | 79 |
| 28 | GRB 130606A AS A PROBE OF THE INTERGALACTIC MEDIUM AND THE INTERSTELLAR MEDIUM IN A STAR-FORMING GALAXY IN THE FIRST Gyr AFTER THE BIG BANG. Astrophysical Journal, 2013, 774, 26. | 1.6 | 77 |
| 29 | SN 2012au: A GOLDEN LINK BETWEEN SUPERLUMINOUS SUPERNOVAE AND THEIR LOWER-LUMINOSITY COUNTERPARTS. Astrophysical Journal Letters, 2013, 770, L38. | 3.0 | 71 |
| 30 | PS1-14bj: A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA WITH A LONG RISE AND SLOW DECAY. Astrophysical Journal, 2016, 831, 144. | 1.6 | 68 |
| 31 | THE AFTERGLOW AND EARLY-TYPE HOST GALAXY OF THE SHORT GRB 150101B AT zÂ=Â0.1343. Astrophysical Journal, 2016, 833, 151. | 1.6 | 62 |
| 32 | ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. Astrophysical Journal, 2017, 835, 58. | 1.6 | 61 |
| 33 | Two New Calcium-rich Gap Transients in Group and Cluster Environments. Astrophysical Journal, 2017, 836, 60. | 1.6 | 60 |
| 34 | Analysis of broad-lined Type Ic supernovae from the (intermediate) Palomar Transient Factory. Astronomy and Astrophysics, 2019, 621, A71. | 2.1 | 59 |
| 35 | Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. Astrophysical Journal, 2021, 907, 99. | 1.6 | 59 |
| 36 | ULTRALUMINOUS SUPERNOVAE AS A NEW PROBE OF THE INTERSTELLAR MEDIUM IN DISTANT GALAXIES. Astrophysical Journal Letters, 2012, 755, L29. | 3.0 | 57 |

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| 37 | Far-ultraviolet to Near-infrared Spectroscopy of a Nearby Hydrogen-poor Superluminous Supernova Gaia16apd. Astrophysical Journal, 2017, 840, 57. | 1.6 | 57 |
| 38 | iPTF 16asu: A Luminous, Rapidly Evolving, and High-velocity Supernova. Astrophysical Journal, 2017, 851, 107. | 1.6 | 57 |
| 39 | The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. Astrophysical Journal, 2020, 905, 58. | 1.6 | 57 |
| 40 | PS1-10afx ATz= 1.388: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2013, 767, 162. | 1.6 | 56 |
| 41 | The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae. Astrophysical Journal, Supplement Series, 2021, 255, 29. | 3.0 | 56 |
| 42 | Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. Astrophysical Journal, 2019, 887, 169. | 1.6 | 55 |
| 43 | ON THE POPULATIONS OF RADIO GALAXIES WITH EXTENDED MORPHOLOGY ATz< 0.3. Astrophysical Journal, 2010, 723, 1119-1138. | 1.6 | 51 |
| 44 | X-Rays from the Location of the Double-humped Transient ASASSN-15lh. Astrophysical Journal, 2017, 836, 25. | 1.6 | 51 |
| 45 | iPTF15dtg: a double-peaked Type Ic supernova from a massive progenitor. Astronomy and Astrophysics, 2016, 592, A89. | 2.1 | 49 |
| 46 | Early Observations of the Type Ia Supernova iPTF 16abc: A Case of Interaction with Nearby, Unbound Material and/or Strong Ejecta Mixing. Astrophysical Journal, 2018, 852, 100. | 1.6 | 49 |
| 47 | PS1-12sk IS A PECULIAR SUPERNOVA FROM A He-RICH PROGENITOR SYSTEM IN A BRIGHTEST CLUSTER GALAXY ENVIRONMENT. Astrophysical Journal, 2013, 769, 39. | 1.6 | 47 |
| 48 | Results from a Systematic Survey of X-Ray Emission from Hydrogen-poor Superluminous SNe. Astrophysical Journal, 2018, 864, 45. | 1.6 | 47 |
| 49 | iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 824, L24. | 3.0 | 46 |
| 50 | SuperRAENN: A Semisupervised Supernova Photometric Classification Pipeline Trained on Pan-STARRS1 Medium-Deep Survey Supernovae. Astrophysical Journal, 2020, 905, 94. | 1.6 | 43 |
| 51 | A Radio Source Coincident with the Superluminous Supernova PTF10hgi: Evidence for a Central Engine and an Analog of the Repeating FRB 121102?. Astrophysical Journal Letters, 2019, 876, L10. | 3.0 | 40 |
| 52 | Long-rising Type II supernovae from Palomar Transient Factory and Caltech Core-Collapse Project. Astronomy and Astrophysics, 2016, 588, A5. | 2.1 | 39 |
| 53 | A UV resonance line echo from a shell around a hydrogen-poor superluminous supernova. Nature Astronomy, 2018, 2, 887-895. | 4.2 | 39 |
| 54 | THE EFFECTS OF PATCHY REIONIZATION ON SATELLITE GALAXIES OF THE MILKY WAY. Astrophysical Journal, 2012, 746, 109. | 1.6 | 35 |

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| 55 | The Type Icn SN 2021csp: Implications for the Origins of the Fastest Supernovae and the Fates of Wolfâ€“Rayet Stars. Astrophysical Journal, 2022, 927, 180. | 1.6 | 35 |
| 56 | Supernova Photometric Classification Pipelines Trained on Spectroscopically Classified Supernovae from the Pan-STARRS1 Medium-deep Survey. Astrophysical Journal, 2019, 884, 83. | 1.6 | 33 |
| 57 | First ALMA Light Curve Constrains Refreshed Reverse Shocks and Jet Magnetization in GRB 161219B. Astrophysical Journal, 2018, 862, 94. | 1.6 | 32 |
| 58 | iPTF 16hgs: A Double-peaked Ca-rich Gap Transient in a Metal-poor, Star-forming Dwarf Galaxy. Astrophysical Journal, 2018, 866, 72. | 1.6 | 31 |
| 59 | An extremely energetic supernova from a very massive star in a dense medium. Nature Astronomy, 2020, 4, 893-899. | 4.2 | 31 |
| 60 | THE INTERMEDIATE LUMINOSITY OPTICAL TRANSIENT SN 2010DA: THE PROGENITOR, ERUPTION, AND AFTERMATH OF A PECULIAR SUPERGIANT HIGH-MASS X-RAY BINARY. Astrophysical Journal, 2016, 830, 11. | 1.6 | 30 |
| 61 | Sifting for Sapphires: Systematic Selection of Tidal Disruption Events in iPTF. Astrophysical Journal, Supplement Series, 2018, 238, 15. | 3.0 | 30 |
| 62 | Color Me Intrigued: The Discovery of iPTF 16fnm, an SN 2002cxâ€“like Object. Astrophysical Journal, 2017, 848, 59. | 1.6 | 28 |
| 63 | Oxygen and helium in stripped-envelope supernovae. Astronomy and Astrophysics, 2018, 618, A37. | 2.1 | 26 |
| 64 | Far-UV HSTÂ Spectroscopy of an Unusual Hydrogen-poor Superluminous Supernova: SN2017egm. Astrophysical Journal, 2018, 858, 91. | 1.6 | 26 |
| 65 | SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. Astrophysical Journal, 2020, 902, 86. | 1.6 | 25 |
| 66 | Four (Super)luminous Supernovae from the First Months of the ZTF Survey. Astrophysical Journal, 2020, 901, 61. | 1.6 | 25 |
| 67 | The OmegaWhite Survey for Short-period Variable Stars. V. Discovery of an Ultracompact Hot Subdwarf Binary with a Compact Companion in a 44-minute Orbit. Astrophysical Journal, 2017, 851, 28. | 1.6 | 21 |
| 68 | The luminous late-time emission of the type-Ic supernova iPTF15dtg â€“ evidence for powering from a magnetar?. Astronomy and Astrophysics, 2019, 621, A64. | 2.1 | 19 |
| 69 | Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. Astrophysical Journal Letters, 2020, 902, L8. | 3.0 | 18 |
| 70 | SNÂ2017gci: a nearby Type I Superluminous Supernova with a bumpy tail. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2120-2139. | 1.6 | 16 |
| 71 | Photometric Classification of 2315 Pan-STARRS1 Supernovae with Superphot. Astrophysical Journal, 2020, 905, 93. | 1.6 | 15 |
| 72 | Using the topology of large-scale structure to constrain dark energy. Monthly Notices of the Royal Astronomical Society, 2011, , no-no. | 1.6 | 13 |

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| 73 | iPTF16abc and the population of Type Ia supernovae: comparing the photospheric, transitional, and nebular phases. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1445-1456. | 1.6 | 13 |
| 74 | Spatially resolved analysis of superluminous supernovae PTF 11hrq and PTF 12dam host galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4705-4717. | 1.6 | 10 |
| 75 | An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. Astrophysical Journal, 2018, 858, 18. | 1.6 | 10 |
| 76 | A low-energy explosion yields the underluminous Type IIP SN 2020cxd. Astronomy and Astrophysics, 2021, 655, A90. | 2.1 | 10 |
| 77 | THE 300 km s<sup>â€“1</sup>STELLAR STREAM NEAR SEGUE 1: INSIGHTS FROM HIGH-RESOLUTION SPECTROSCOPY OF ITS BRIGHTEST STAR. Astrophysical Journal, 2013, 771, 39. | 1.6 | 9 |
| 78 | HOST GALAXY PROPERTIES OF THE SUBLUMINOUS GRB 120422A/SN 2012bz. Astrophysical Journal, 2012, 758, 92. | 1.6 | 8 |
| 79 | On the Origin of SN 2016hilâ€”A Type II Supernova in the Remote Outskirts of an Elliptical Host. Astrophysical Journal, 2019, 887, 127. | 1.6 | 8 |
| 80 | Spectroscopy of the first resolved strongly lensed Type Ia supernova iPTF16geu. Monthly Notices of the Royal Astronomical Society, 2021, 502, 510-520. | 1.6 | 8 |
| 81 | PS1-13cbe: the rapid transition of a Seyfert 2 to a Seyfert 1. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4057-4070. | 1.6 | 7 |
| 82 | SN 2020bqj: A Type Ibn supernova with a long-lasting peak plateau. Astronomy and Astrophysics, 2021, 652, A136. | 2.1 | 7 |
| 83 | PTF11rka: an interacting supernova at the crossroads of stripped-envelope and H-poor superluminous stellar core collapses. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3542-3556. | 1.6 | 6 |