

Santiago Gonzalez Gaitan

List of Publications by Year in descending order

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76
papers

5,048
citations

136950

32
h-index

85541

71
g-index

77
all docs

77
docs citations

77
times ranked

4693
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A40. | 5.1 | 9 |
| 2 | Infant-phase reddening by surface Fe-peak elements in a normal type Ia supernova. <i>Nature Astronomy</i> , 2022, 6, 568-576. | 10.1 | 17 |
| 3 | Aperture-corrected spectroscopic type Ia supernova host galaxy properties. <i>Astronomy and Astrophysics</i> , 2022, 659, A89. | 5.1 | 4 |
| 4 | Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A41. | 5.1 | 19 |
| 5 | Type II supernovae from the Carnegie Supernova Project-I. <i>Astronomy and Astrophysics</i> , 2022, 660, A42. | 5.1 | 11 |
| 6 | Systematic errors on optical-SED stellar-mass estimates for galaxies across cosmic time and their impact on cosmology. <i>Astronomy and Astrophysics</i> , 2022, 662, A86. | 5.1 | 3 |
| 7 | Understanding the extreme luminosity of DES14X2fna. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3950-3967. | 4.4 | 4 |
| 8 | The effects of varying colour–luminosity relations on Type Ia supernova science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4656-4666. | 4.4 | 14 |
| 9 | Rapidly Declining Hostless Type Ia Supernova KSP-OT-201509b from the KMTNet Supernova Program: Transitional Nature and Constraint on ^{56}Ni Distribution and Progenitor Type. <i>Astrophysical Journal</i> , 2021, 910, 151. | 4.5 | 6 |
| 10 | An outflow powers the optical rise of the nearby, fast-evolving tidal disruption event AT2019qiz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 482-504. | 4.4 | 58 |
| 11 | The low-luminosity Type II SN 2016aqf: a well-monitored spectral evolution of the Ni/Fe abundance ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 361-377. | 4.4 | 10 |
| 12 | SN 2017ivv: two years of evolution of a transitional Type II supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 974-992. | 4.4 | 7 |
| 13 | Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4860-4892. | 4.4 | 12 |
| 14 | DES16C3cje: A low-luminosity, long-lived supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 95-110. | 4.4 | 8 |
| 15 | Asteroids' Size Distribution and Colors from HITS. <i>Astronomical Journal</i> , 2020, 159, 148. | 4.7 | 11 |
| 16 | Tips and tricks in linear imaging polarimetry of extended sources with FORS2 at the VLT. <i>Astronomy and Astrophysics</i> , 2020, 634, A70. | 5.1 | 11 |
| 17 | First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. <i>Astronomical Journal</i> , 2020, 160, 267. | 4.7 | 27 |
| 18 | Optical and Near-infrared Observations of the Nearby SN Ia 2017cbv. <i>Astrophysical Journal</i> , 2020, 904, 14. | 4.5 | 12 |

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|----|---|------|-----------|
| 19 | Active learning with RESSPECT: Resource allocation for extragalactic astronomical transients. , 2020, , , | | 1 |
| 20 | Models and Simulations for the Photometric LSST Astronomical Time Series Classification Challenge (PLAsTiCC). Publications of the Astronomical Society of the Pacific, 2019, 131, 094501. | 3.1 | 85 |
| 21 | KSP-SN-2016kf: A Long-rising H-rich Type II Supernova with Unusually High ^{56}Ni Mass Discovered in the KMTNet Supernova Program. Astrophysical Journal, 2019, 881, 22. | 4.5 | 12 |
| 22 | First Release of High-Redshift Superluminous Supernovae from the Subaru High- z Supernova CAmpaign (SHIZUCA). I. Photometric Properties. Astrophysical Journal, Supplement Series, 2019, 241, 16. | 7.7 | 30 |
| 23 | Optimizing spectroscopic follow-up strategies for supernova photometric classification with active learning. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2-18. | 4.4 | 51 |
| 24 | First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. Astrophysical Journal Letters, 2019, 872, L30. | 8.3 | 201 |
| 25 | Spatial field reconstruction with INLA: application to IFU galaxy data. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3880-3891. | 4.4 | 14 |
| 26 | Asteroids in the High Cadence Transient Survey. Astronomical Journal, 2018, 155, 135. | 4.7 | 6 |
| 27 | Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. Astrophysical Journal, 2018, 854, 37. | 4.5 | 23 |
| 28 | Discovery of Distant RR Lyrae Stars in the Milky Way Using DECam. Astrophysical Journal, 2018, 855, 43. | 4.5 | 33 |
| 29 | PISCO: The PMAS/PPak Integral-field Supernova Hosts Compilation. Astrophysical Journal, 2018, 855, 107. | 4.5 | 81 |
| 30 | The High Cadence Transit Survey (HiTS): Compilation and Characterization of Light-curve Catalogs. Astronomical Journal, 2018, 156, 186. | 4.7 | 15 |
| 31 | Observed Type II supernova colours from the Carnegie Supernova Project-I. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4592-4616. | 4.4 | 26 |
| 32 | Elemental gas-phase abundances of intermediate redshift type Ia supernova star-forming host galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 476, 307-322. | 4.4 | 5 |
| 33 | Type II supernovae in low-luminosity host galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3232-3253. | 4.4 | 26 |
| 34 | The lowest-metallicity type II supernova from the highest-mass red supergiant progenitor. Nature Astronomy, 2018, 2, 574-579. | 10.1 | 26 |
| 35 | The Type IIn Supernova SN 2010bt: The Explosion of a Star in Outburst. Astrophysical Journal, 2018, 860, 68. | 4.5 | 12 |
| 36 | A Type II Supernova Hubble Diagram from the CSP-I, SDSS-II, and SNLS Surveys*. Astrophysical Journal, 2017, 835, 166. | 4.5 | 25 |

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|----|--|------|-----------|
| 37 | Continuum Foreground Polarization and Na i Absorption in Type Ia SNe*. <i>Astrophysical Journal</i> , 2017, 836, 88. | 4.5 | 14 |
| 38 | A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , 2017, 551, 75-79. | 27.8 | 601 |
| 39 | Type II Supernova Spectral Diversity. I. Observations, Sample Characterization, and Spectral Line Evolution*. <i>Astrophysical Journal</i> , 2017, 850, 89. | 4.5 | 87 |
| 40 | Molecular gas in supernova local environments unveiled by EDGE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 628-644. | 4.4 | 21 |
| 41 | SN 2016jhh at redshift 0.34: extending the Type II supernova Hubble diagram using the standard candle method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4233-4243. | 4.4 | 24 |
| 42 | Type II Supernova Spectral Diversity. II. Spectroscopic and Photometric Correlations. <i>Astrophysical Journal</i> , 2017, 850, 90. | 4.5 | 48 |
| 43 | Serendipitous Discovery of RR Lyrae Stars in the Leo V Ultra-faint Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 845, L10. | 8.3 | 22 |
| 44 | Supernova 2010ev: A reddened high velocity gradient type Ia supernova. <i>Astronomy and Astrophysics</i> , 2016, 590, A5. | 5.1 | 11 |
| 45 | DES14X3taz: A TYPE I SUPERLUMINOUS SUPERNOVA SHOWING A LUMINOUS, RAPIDLY COOLING INITIAL PRE-PEAK BUMP. <i>Astrophysical Journal Letters</i> , 2016, 818, L8. | 8.3 | 78 |
| 46 | Characterizing the environments of supernovae with MUSE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4087-4099. | 4.4 | 91 |
| 47 | UBVRiz LIGHT CURVES OF 51 TYPE II SUPERNOVAE. <i>Astronomical Journal</i> , 2016, 151, 33. | 4.7 | 80 |
| 48 | A comparative study of Type II-P and II-L supernova rise times as exemplified by the case of LSQ13cuw. <i>Astronomy and Astrophysics</i> , 2015, 582, A3. | 5.1 | 55 |
| 49 | A HUBBLE DIAGRAM FROM TYPE II SUPERNOVAE BASED SOLELY ON PHOTOMETRY: THE PHOTOMETRIC COLOR METHOD. <i>Astrophysical Journal</i> , 2015, 815, 121. | 4.5 | 37 |
| 50 | Nebular phase observations of the Type-Ib supernova iPTF13bvn favour a binary progenitor. <i>Astronomy and Astrophysics</i> , 2015, 579, A95. | 5.1 | 46 |
| 51 | PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects. <i>Astronomy and Astrophysics</i> , 2015, 579, A40. | 5.1 | 239 |
| 52 | Strong near-infrared carbon in the Type Ia supernova iPTF13ebh. <i>Astronomy and Astrophysics</i> , 2015, 578, A9. | 5.1 | 68 |
| 53 | On the environments of Type Ia supernovae within host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 732-753. | 4.4 | 36 |
| 54 | The rise-time of Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2212-2229. | 4.4 | 102 |

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|----|--|-----|-----------|
| 55 | SEARCHING FOR LIGHT ECHOES DUE TO CIRCUMSTELLAR MATTER IN SNe Ia SPECTRA. <i>Astrophysical Journal</i> , 2015, 806, 134. | 4.5 | 5 |
| 56 | SN 2011A: A LOW-LUMINOSITY INTERACTING TRANSIENT WITH A DOUBLE PLATEAU AND STRONG SODIUM ABSORPTION. <i>Astrophysical Journal</i> , 2015, 807, 63. | 4.5 | 12 |
| 57 | PESSTO monitoring of SN 2012hn: further heterogeneity among faint Type I supernovae.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1519-1533. | 4.4 | 56 |
| 58 | SN 2011hs: a fast and faint Type IIb supernova from a supergiant progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1807-1828. | 4.4 | 54 |
| 59 | DEFINING PHOTOMETRIC PECULIAR TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 795, 142. | 4.5 | 25 |
| 60 | Analysis of blueshifted emission peaks in Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 671-680. | 4.4 | 48 |
| 61 | CHARACTERIZING THE V -BAND LIGHT-CURVES OF HYDROGEN-RICH TYPE II SUPERNOVAE. <i>Astrophysical Journal</i> , 2014, 786, 67. | 4.5 | 241 |
| 62 | H \pm SPECTRAL DIVERSITY OF TYPE II SUPERNOVAE: CORRELATIONS WITH PHOTOMETRIC PROPERTIES. <i>Astrophysical Journal Letters</i> , 2014, 786, L15. | 8.3 | 62 |
| 63 | Photometric typing of normal and peculiar type Ia supernovae. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 333-336. | 0.0 | 0 |
| 64 | A statistical analysis of circumstellar material in Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 222-240. | 4.4 | 100 |
| 65 | ON THE LIRA LAW AND THE NATURE OF EXTINCTION TOWARD TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 772, 19. | 4.5 | 20 |
| 66 | THE RISE TIME OF NORMAL AND SUBLUMINOUS TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2012, 745, 44. | 4.5 | 30 |
| 67 | EVOLUTION IN THE VOLUMETRIC TYPE Ia SUPERNOVA RATE FROM THE SUPERNOVA LEGACY SURVEY. <i>Astronomical Journal</i> , 2012, 144, 59. | 4.7 | 59 |
| 68 | EVIDENCE FOR ASYMMETRIC DISTRIBUTION OF CIRCUMSTELLAR MATERIAL AROUND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal Letters</i> , 2012, 754, L21. | 8.3 | 17 |
| 69 | SUBLUMINOUS TYPE Ia SUPERNOVAE AT HIGH REDSHIFT FROM THE SUPERNOVA LEGACY SURVEY. <i>Astrophysical Journal</i> , 2011, 727, 107. | 4.5 | 33 |
| 70 | SNLS3: CONSTRAINTS ON DARK ENERGY COMBINING THE SUPERNOVA LEGACY SURVEY THREE-YEAR DATA WITH OTHER PROBES. <i>Astrophysical Journal</i> , 2011, 737, 102. | 4.5 | 370 |
| 71 | CONSTRAINING TYPE Ia SUPERNOVAE PROGENITORS FROM THREE YEARS OF SUPERNOVA LEGACY SURVEY DATA. <i>Astrophysical Journal</i> , 2011, 741, 20. | 4.5 | 73 |
| 72 | Photometric selection of Type Ia supernovae in the Supernova Legacy Survey. <i>Astronomy and Astrophysics</i> , 2011, 534, A43. | 5.1 | 44 |

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|----|---|-----|-----------|
| 73 | SUPERNOVA CONSTRAINTS AND SYSTEMATIC UNCERTAINTIES FROM THE FIRST THREE YEARS OF THE SUPERNOVA LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 192, 1. | 7.7 | 672 |
| 74 | The Supernova Legacy Survey 3-year sample: Type Ia supernovae photometric distances and cosmological constraints. <i>Astronomy and Astrophysics</i> , 2010, 523, A7. | 5.1 | 412 |
| 75 | Results from the Supernova Photometric Classification Challenge. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1415-1431. | 3.1 | 130 |
| 76 | DES15E2mlf: A Spectroscopically Confirmed Superluminous Supernova that Exploded 3.5 Gyr After the Big Bang. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 10 |