# Frank J Masci

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 155 papers | 8,249 citations | 50276 46 h-index | 53230 85 g-index |
| 159 all docs | 159 docs citations | 159 times ranked | 6394 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002. | 3.1 | 1,020 |
| 2 | MID-INFRARED SELECTION OF ACTIVE GALACTIC NUCLEI WITH THEWIDE-FIELD INFRARED SURVEY EXPLORER. I. CHARACTERIZINGWISE-SELECTED ACTIVE GALACTIC NUCLEI IN COSMOS. Astrophysical Journal, 2012, 753, 30. | 4.5 | 637 |
| 3 | The Zwicky Transient Facility: Data Processing, Products, and Archive. Publications of the Astronomical Society of the Pacific, 2019, 131, 018003. | 3.1 | 610 |
| 4 | The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001. | 3.1 | 453 |
| 5 | Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. Physical Review Letters, 2020, 124, 251102. | 7.8 | 226 |
| 6 | Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. Astrophysical Journal, 2021, 908, 4. | 4.5 | 174 |
| 7 | DISCOVERY, PROGENITOR AND EARLY EVOLUTION OF A STRIPPED ENVELOPE SUPERNOVA iPTF13bvn. Astrophysical Journal Letters, 2013, 775, L7. | 8.3 | 169 |
| 8 | A tidal disruption event coincident with a high-energy neutrino. Nature Astronomy, 2021, 5, 510-518. | 10.1 | 136 |
| 9 | iPTF16fnl: A Faint and Fast Tidal Disruption Event in an E+A Galaxy. Astrophysical Journal, 2017, 844, 46. | 4.5 | 111 |
| 10 | The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. Astrophysical Journal, 2020, 904, 35. | 4.5 | 107 |
| 11 | The Zwicky Transient Facility Alert Distribution System. Publications of the Astronomical Society of the Pacific, 2019, 131, 018001. | 3.1 | 106 |
| 12 | General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. Nature, 2019, 571, 528-531. | 27.8 | 96 |
| 13 | Real-bogus classification for the Zwicky Transient Facility using deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3582-3590. | 4.4 | 94 |
| 14 | CENTAURS AND SCATTERED DISK OBJECTS IN THE THERMAL INFRARED: ANALYSIS OFWISE/NEOWISEOBSERVATIONS. Astrophysical Journal, 2013, 773, 22. | 4.5 | 92 |
| 15 | The Zwicky Transient Facility Bright Transient Survey. I. Spectroscopic Classification and the Redshift Completeness of Local Galaxy Catalogs. Astrophysical Journal, 2020, 895, 32. | 4.5 | 91 |
| 16 | GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19. | 8.3 | 86 |
| 17 | Machine Learning for the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 038002. | 3.1 | 83 |
| 18 | COMMON ENVELOPE EJECTION FOR A LUMINOUS RED NOVA IN M101. Astrophysical Journal, 2017, 834, 107. | 4.5 | 81 |

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|---|---|---|---|
| 19 | The IPAC Image Subtraction and Discovery Pipeline for the Intermediate Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 2017, 129, 014002. | 3.1 | 80 |
| 20 | Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. Astrophysical Journal, 2017, 836, 158. | 4.5 | 79 |
| 21 | ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. Astrophysical Journal, 2019, 886, 152. | 4.5 | 77 |
| 22 | SPIRITS: Uncovering Unusual Infrared Transients with Spitzer. Astrophysical Journal, 2017, 839, 88. | 4.5 | 75 |
| 23 | The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. Astrophysical Journal, 2019, 872, 198. | 4.5 | 74 |
| 24 | The Koala: A Fast Blue Optical Transient with Luminous Radio Emission from a Starburst Dwarf Galaxy at zÂ=Â0.27. Astrophysical Journal, 2020, 895, 49. | 4.5 | 72 |
| 25 | Optical follow-up of the neutron starâ€“black hole mergers S200105ae and S200115j. Nature Astronomy, 2021, 5, 46-53. | 10.1 | 71 |
| 26 | Aperture Photometry Tool. Publications of the Astronomical Society of the Pacific, 2012, 124, 737-763. | 3.1 | 69 |
| 27 | The Broad Absorption Line Tidal Disruption Event iPTF15af: Optical and Ultraviolet Evolution. Astrophysical Journal, 2019, 873, 92. | 4.5 | 69 |
| 28 | Discovery and confirmation of the shortest gamma-ray burst from a collapsar. Nature Astronomy, 2021, 5, 917-927. | 10.1 | 69 |
| 29 | Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145. | 4.5 | 69 |
| 30 | SLOW-SPEED SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY: TWO CHANNELS. Astrophysical Journal, 2015, 799, 52. | 4.5 | 68 |
| 31 | ASTEROID LIGHT CURVES FROM THE PALOMAR TRANSIENT FACTORY SURVEY: ROTATION PERIODS AND PHASE FUNCTIONS FROM SPARSE PHOTOMETRY. Astronomical Journal, 2015, 150, 75. | 4.7 | 66 |
| 32 | A New Class of Changing-look LINERs. Astrophysical Journal, 2019, 883, 31. | 4.5 | 66 |
| 33 | A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. Astrophysical Journal, 2021, 912, 46. | 4.5 | 66 |
| 34 | A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32. | 4.5 | 62 |
| 35 | IPAC Image Processing and Data Archiving for the Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 0, , 000-000. | 3.1 | 60 |
| 36 | Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. Astrophysical Journal, 2021, 907, 99. | 4.5 | 59 |

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| 37 | 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. | 4.5 | 57 |
| 38 | ZTF 18aaqeasu (SN2018byg): A Massive Helium-shell Double Detonation on a Sub-Chandrasekhar-mass White Dwarf. Astrophysical Journal Letters, 2019, 873, L18. | 8.3 | 56 |
| 39 | A highly magnetized and rapidly rotating white dwarf as small as the Moon. Nature, 2021, 595, 39-42. | 27.8 | 56 |
| 40 | 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. | 4.5 | 55 |
| 41 | DISCOVERY AND REDSHIFT OF AN OPTICAL AFTERGLOW IN 71 deg <sup>2</sup> : iPTF13bxl AND GRB 130702A. Astrophysical Journal Letters, 2013, 776, L34. | 8.3 | 52 |
| 42 | AN ACCRETING WHITE DWARF NEAR THE CHANDRASEKHAR LIMIT IN THE ANDROMEDA GALAXY. Astrophysical Journal, 2014, 786, 61. | 4.5 | 51 |
| 43 | THENEOWISE-DISCOVERED COMET POPULATION AND THE CO + CO<sub>2</sub>PRODUCTION RATES. Astrophysical Journal, 2015, 814, 85. | 4.5 | 51 |
| 44 | The Massive and Distant Clusters of WISE Survey. I. Survey Overview and a Catalog of >2000 Galaxy Clusters at z â‰ƒ 1. Astrophysical Journal, Supplement Series, 2019, 240, 33. | 7.7 | 50 |
| 45 | 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. | 4.5 | 49 |
| 46 | The First Ultracompact Roche Lobeâ€“Filling Hot Subdwarf Binary. Astrophysical Journal, 2020, 891, 45. | 4.5 | 47 |
| 47 | A SYSTEMATIC STUDY OF MID-INFRARED EMISSION FROM CORE-COLLAPSE SUPERNOVAE WITH SPIRITS. Astrophysical Journal, 2016, 833, 231. | 4.5 | 46 |
| 48 | Real-time discovery of AT2020xnd: a fast, luminous ultraviolet transient with minimal radioactive ejecta. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5138-5147. | 4.4 | 44 |
| 49 | AUTOMATED CLASSIFICATION OF PERIODIC VARIABLE STARS DETECTED BY THEWIDE-FIELD INFRARED SURVEY EXPLORER. Astronomical Journal, 2014, 148, 21. | 4.7 | 43 |
| 50 | THE NEEDLE IN THE 100 deg<sup>2</sup>HAYSTACK: UNCOVERING AFTERGLOWS OFFERMIGRBs WITH THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2015, 806, 52. | 4.5 | 43 |
| 51 | Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields. Astrophysical Journal, 2019, 880, 7. | 4.5 | 43 |
| 52 | The bumpy light curve of Type IIn supernova iPTF13z over 3 years. Astronomy and Astrophysics, 2017, 605, A6. | 5.1 | 41 |
| 53 | A UV resonance line echo from a shell around a hydrogen-poor superluminous supernova. Nature Astronomy, 2018, 2, 887-895. | 10.1 | 39 |
| 54 | Discovery of Highly Blueshifted Broad Balmer and Metastable Helium Absorption Lines in a Tidal Disruption Event. Astrophysical Journal, 2019, 879, 119. | 4.5 | 38 |

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| 55 | The SPIRITS Sample of Luminous Infrared Transients: Uncovering Hidden Supernovae and Dusty Stellar Outbursts in Nearby Galaxies*. Astrophysical Journal, 2019, 886, 40. | 4.5 | 38 |
| 56 | SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. Astrophysical Journal, 2020, 900, 46. | 4.5 | 38 |
| 57 | ZTF Early Observations of Type Ia Supernovae. II. First Light, the Initial Rise, and Time to Reach Maximum Brightness. Astrophysical Journal, 2020, 902, 47. | 4.5 | 35 |
| 58 | 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. | 4.5 | 35 |
| 59 | An 8.8 Minute Orbital Period Eclipsing Detached Double White Dwarf Binary. Astrophysical Journal Letters, 2020, 905, L7. | 8.3 | 34 |
| 60 | AN EXCESS OF MID-INFRARED EMISSION FROM THE TYPE Iax SN 2014dt. Astrophysical Journal Letters, 2016, 816, L13. | 8.3 | 33 |
| 61 | A New Class of Roche Lobeâ€“filling Hot Subdwarf Binaries. Astrophysical Journal Letters, 2020, 898, L25. | 8.3 | 33 |
| 62 | THE MASSIVE DISTANT CLUSTERS OF WISE SURVEY: THE FIRST DISTANT GALAXY CLUSTER DISCOVERED BY WISE. Astrophysical Journal Letters, 2012, 759, L23. | 8.3 | 32 |
| 63 | A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. Astrophysical Journal Letters, 2019, 878, L35. | 8.3 | 32 |
| 64 | The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. Astrophysical Journal, 2020, 898, 56. | 4.5 | 32 |
| 65 | iPTF 16hgs: A Double-peaked Ca-rich Gap Transient in a Metal-poor, Star-forming Dwarf Galaxy. Astrophysical Journal, 2018, 866, 72. | 4.5 | 31 |
| 66 | An extremely energetic supernova from a very massive star in a dense medium. Nature Astronomy, 2020, 4, 893-899. | 10.1 | 31 |
| 67 | WISE/NEOWISE OBSERVATIONS OF COMET 103P/HARTLEY 2. Astrophysical Journal, 2011, 738, 171. | 4.5 | 30 |
| 68 | Sifting for Sapphires: Systematic Selection of Tidal Disruption Events in iPTF. Astrophysical Journal, Supplement Series, 2018, 238, 15. | 7.7 | 30 |
| 69 | Tidal Disruption Event Hosts Are Green and Centrally Concentrated: Signatures of a Post-merger System. Astrophysical Journal Letters, 2021, 908, L20. | 8.3 | 30 |
| 70 | Color Me Intrigued: The Discovery of iPTF 16fnm, an SN 2002cxâ€“like Object. Astrophysical Journal, 2017, 848, 59. | 4.5 | 28 |
| 71 | Variability of Red Supergiants in M31 from the Palomar Transient Factory. Astrophysical Journal, 2018, 859, 73. | 4.5 | 28 |
| 72 | Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. Astronomical Journal, 2020, 160, 26. | 4.7 | 28 |

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|---|---|---|---|
| 73 | The luminous red nova AT 2018bwo in NGC 45 and its binary yellow supergiant progenitor. Astronomy and Astrophysics, 2021, 653, A134. | 5.1 | 28 |
| 74 | A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. Astrophysical Journal, 2021, 920, 56. | 4.5 | 28 |
| 75 | 2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 048001. | 3.1 | 27 |
| 76 | Pre-discovery Activity of New Interstellar Comet 2I/Borisov beyond 5 au. Astronomical Journal, 2020, 159, 77. | 4.7 | 27 |
| 77 | Year 1 of the ZTF high-cadence Galactic plane survey: strategy, goals, and early results on new single-mode hot subdwarf B-star pulsators. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1254-1267. | 4.4 | 27 |
| 78 | Multiple Outbursts of Asteroid (6478) Gault*. Astrophysical Journal Letters, 2019, 874, L16. | 8.3 | 26 |
| 79 | ZTF Early Observations of Type Ia Supernovae. III. Early-time Colors As a Test for Explosion Models and Multiple Populations. Astrophysical Journal, 2020, 902, 48. | 4.5 | 26 |
| 80 | Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. Astrophysical Journal, 2020, 904, 155. | 4.5 | 26 |
| 81 | A Twilight Search for Atiras, Vatiras, and Co-orbital Asteroids: Preliminary Results. Astronomical Journal, 2020, 159, 70. | 4.7 | 25 |
| 82 | 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. | 4.5 | 25 |
| 83 | Four (Super)luminous Supernovae from the First Months of the ZTF Survey. Astrophysical Journal, 2020, 901, 61. | 4.5 | 25 |
| 84 | Small Near-Earth Asteroids in the Palomar Transient Factory Survey: A Real-Time Streak-detection System. Publications of the Astronomical Society of the Pacific, 2017, 129, 034402. | 3.1 | 24 |
| 85 | Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova M31N 2008-12a. Astrophysical Journal, 2018, 857, 68. | 4.5 | 24 |
| 86 | ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. Astrophysical Journal Letters, 2019, 878, L5. | 8.3 | 24 |
| 87 | DeepStreaks: identifying fast-moving objects in the Zwicky Transient Facility data with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4158-4165. | 4.4 | 24 |
| 88 | ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at zÂâ‰ˆÂ2.9 with No Detected Gamma-Ray Burst Counterpart. Astrophysical Journal, 2020, 905, 98. | 4.5 | 24 |
| 89 | WISE/NEOWISE PRELIMINARY ANALYSIS AND HIGHLIGHTS OF THE 67P/CHURYUMOV-GERASIMENKO NEAR NUCLEUS ENVIRONS. Astrophysical Journal, 2012, 758, 18. | 4.5 | 23 |
| 90 | iPTF Archival Search for Fast Optical Transients. Astrophysical Journal Letters, 2018, 854, L13. | 8.3 | 23 |

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| 91 | Uncovering Red and Dusty Ultraluminous X-Ray Sources with Spitzer. Astrophysical Journal, 2019, 878, 71. | 4.5 | 23 |
| 92 | SN2002es-LIKE SUPERNOVAE FROM DIFFERENT VIEWING ANGLES. Astrophysical Journal, 2016, 832, 86. | 4.5 | 23 |
| 93 | RISING FROM THE ASHES: MID-INFRARED RE-BRIGHTENING OF THE IMPOSTOR SN 2010da IN NGC 300. Astrophysical Journal, 2016, 830, 142. | 4.5 | 22 |
| 94 | Cataclysmic Variables in the First Year of the Zwicky Transient Facility. Astronomical Journal, 2020, 159, 198. | 4.7 | 22 |
| 95 | Impact of the SpaceX Starlink Satellites on the Zwicky Transient Facility Survey Observations. Astrophysical Journal Letters, 2022, 924, L30. | 8.3 | 22 |
| 96 | Zwicky Transient Facility Constraints on the Optical Emission from the Nearby Repeating FRB 180916.J0158+65. Astrophysical Journal Letters, 2020, 896, L2. | 8.3 | 20 |
| 97 | Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor. Astrophysical Journal Letters, 2019, 880, L20. | 8.3 | 19 |
| 98 | ZTF J1901+5309: a 40.6-min orbital period eclipsing double white dwarf system. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 494, L91-L96. | 3.3 | 19 |
| 99 | AGNs on the Move: A Search for Off-nuclear AGNs from Recoiling Supermassive Black Holes and Ongoing Galaxy Mergers with the Zwicky Transient Facility. Astrophysical Journal, 2021, 913, 102. | 4.5 | 19 |
| 100 | A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. Astrophysical Journal, 2020, 903, 132. | 4.5 | 19 |
| 101 | ABSENCE OF FAST-MOVING IRON IN AN INTERMEDIATE TYPE Ia SUPERNOVA BETWEEN NORMAL AND SUPER-CHANDRASEKHAR. Astrophysical Journal, 2016, 823, 147. | 4.5 | 18 |
| 102 | Supernova 2014C: Ongoing Interaction with Extended Circumstellar Material with Silicate Dust. Astrophysical Journal, 2019, 887, 75. | 4.5 | 18 |
| 103 | Two stripped envelope supernovae with circumstellar interaction. Astronomy and Astrophysics, 2020, 643, A79. | 5.1 | 18 |
| 104 | SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. Astrophysical Journal, 2020, 902, 6. | 4.5 | 18 |
| 105 | Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. Astrophysical Journal Letters, 2020, 902, L8. | 8.3 | 18 |
| 106 | PREPARING FOR ADVANCED LIGO: A STARâ€“GALAXY SEPARATION CATALOG FOR THE PALOMAR TRANSIENT FACTORY. Astronomical Journal, 2017, 153, 73. | 4.7 | 17 |
| 107 | Small particles dominate Saturnâ€™s Phoebe ring to surprisingly large distances. Nature, 2015, 522, 185-187. | 27.8 | 16 |
| 108 | SPIRITS 15c and SPIRITS 14buu: Two Obscured Supernovae in the Nearby Star-forming Galaxy IC 2163. Astrophysical Journal, 2017, 837, 167. | 4.5 | 16 |

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| 109 | The ZTF Source Classification Project. I. Methods and Infrastructure. Astronomical Journal, 2021, 161, 267. | 4.7 | 16 |
| 110 | NEOWISE OBSERVATIONS OF COMET C/2013 A1 (SIDING SPRING) AS IT APPROACHES MARS. Astrophysical Journal Letters, 2015, 798, L31. | 8.3 | 15 |
| 111 | Is supernova SN 2020faa an iPTF14hls look-alike?. Astronomy and Astrophysics, 2021, 646, A22. | 5.1 | 15 |
| 112 | A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. Astronomical Journal, 2021, 162, 113. | 4.7 | 15 |
| 113 | Characterization of Temporarily Captured Minimoon 2020 CD<sub>3</sub> by Keck Time-resolved Spectrophotometry. Astrophysical Journal Letters, 2020, 900, L45. | 8.3 | 15 |
| 114 | Toward Efficient Detection of Small Near-Earth Asteroids Using the Zwicky Transient Facility (ZTF). Publications of the Astronomical Society of the Pacific, 2019, 131, 078002. | 3.1 | 14 |
| 115 | The luminous and rapidly evolving SN 2018bcc. Astronomy and Astrophysics, 2021, 649, A163. | 5.1 | 14 |
| 116 | Initial Characterization of Active Transitioning Centaur, P/2019 LD<sub>2</sub> (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. Astronomical Journal, 2021, 161, 116. | 4.7 | 13 |
| 117 | iPTF Survey for Cool Transients. Publications of the Astronomical Society of the Pacific, 2018, 130, 034202. | 3.1 | 12 |
| 118 | SPIRITS 16tn in NGCÂ3556: A Heavily Obscured and Low-luminosity Supernova at 8.8ÂMpc. Astrophysical Journal, 2018, 863, 20. | 4.5 | 12 |
| 119 | RINGO3 polarimetry of very young ZTF supernovae. Monthly Notices of the Royal Astronomical Society, 2021, 503, 312-323. | 4.4 | 12 |
| 120 | Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. Astrophysical Journal, 2021, 920, 120. | 4.5 | 12 |
| 121 | A catalogue of over 10 million variable source candidates in ZTF Data Release 1. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5782-5790. | 4.4 | 11 |
| 122 | The Broad-lined Ic Supernova ZTF18aaqjovh (SN 2018bvw): An Optically Discovered Engine-driven Supernova Candidate with Luminous Radio Emission. Astrophysical Journal, 2020, 893, 132. | 4.5 | 11 |
| 123 | Simultaneous Observations of the Northern TESS Sectors by the Zwicky Transient Facility. Research Notes of the AAS, 2019, 3, 136. | 0.7 | 11 |
| 124 | Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. Astrophysical Journal Letters, 2021, 911, L35. | 8.3 | 10 |
| 125 | The ZTF Source Classification Project â€“ II. Periodicity and variability processing metrics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2954-2965. | 4.4 | 10 |
| 126 | SN 2018ijp: the explosion of a stripped-envelope star within a dense H-rich shell?. Astronomy and Astrophysics, 2021, 650, A174. | 5.1 | 10 |

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| 127 | A low-energy explosion yields the underluminous Type IIP SN 2020cxd. Astronomy and Astrophysics, 2021, 655, A90. | 5.1 | 10 |
| 128 | Early Ultraviolet Observations of Type IIn Supernovae Constrain the Asphericity of Their Circumstellar Material. Astrophysical Journal, 2020, 899, 51. | 4.5 | 9 |
| 129 | On the Origin of SN 2016hilâ€"A Type II Supernova in the Remote Outskirts of an Elliptical Host. Astrophysical Journal, 2019, 887, 127. | 4.5 | 8 |
| 130 | Zwicky Transient Facility and Globular Clusters: the Periodâ€"Luminosity and Periodâ€"Luminosityâ€"Color Relations for Late-type Contact Binaries. Astronomical Journal, 2021, 162, 63. | 4.7 | 8 |
| 131 | Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. Astronomical Journal, 2021, 162, 94. | 4.7 | 8 |
| 132 | Variability of Massive Stars in M31 from the Palomar Transient Factory. Astrophysical Journal, 2020, 893, 11. | 4.5 | 8 |
| 133 | Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. Research Notes of the AAS, 2020, 4, 13. | 0.7 | 8 |
| 134 | A Luminous X-Ray Transient in SDSS J143359.16+400636.0: A Likely Tidal Disruption Event. Astrophysical Journal, 2021, 909, 102. | 4.5 | 7 |
| 135 | Six Outbursts of Comet 46P/Wirtanen. Planetary Science Journal, 2021, 2, 131. | 3.6 | 7 |
| 136 | SN 2020bqj: A Type Ibn supernova with a long-lasting peak plateau. Astronomy and Astrophysics, 2021, 652, A136. | 5.1 | 7 |
| 137 | The Blue Supergiant Progenitor of the Supernova Imposter AT 2019krl. Astrophysical Journal, 2021, 917, 63. | 4.5 | 7 |
| 138 | Outbursts at Comets 46P/Wirtanen, 64P/Swift-Gehrels, and 78P/Gehrels 2 in 2018. Research Notes of the AAS, 2019, 3, 126. | 0.7 | 7 |
| 139 | Zwicky Transient Facility and Globular Clusters: The RR Lyrae gri-band Periodâ€"Luminosityâ€"Metallicity and Periodâ€"Wesenheitâ€"Metallicity Relations. Astronomical Journal, 2022, 163, 239. | 4.7 | 7 |
| 140 | The Southern 2MASS Active Galactic Nuclei Survey: Spectroscopic Follow-up with Six Degree Field. Publications of the Astronomical Society of Australia, 2010, 27, 302-320. | 3.4 | 6 |
| 141 | A novel method for transient detection in high-cadence optical surveys. Astronomy and Astrophysics, 2017, 599, A48. | 5.1 | 6 |
| 142 | Tails: Chasing Comets with the Zwicky Transient Facility and Deep Learning. Astronomical Journal, 2021, 161, 218. | 4.7 | 6 |
| 143 | Processing Images from the Zwicky Transient Facility. , 0, , . | | 6 |
| 144 | Microlensing Events in the Galactic Plane Using the Zwicky Transient Facility. Astrophysical Journal, 2022, 927, 150. | 4.5 | 6 |

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| 145 | Synthetic Tracking Using ZTF Deep Drilling Data Sets. Publications of the Astronomical Society of the Pacific, 2020, 132, 064502. | 3.1 | 4 |
| 146 | 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 |
| 147 | HO Puppis: Not a Be Star, but a Newly Confirmed IW And-type Star. Astrophysical Journal, 2021, 911, 51. | 4.5 | 3 |
| 148 | Comet 240P/NEAT Is Stirring. Astrophysical Journal Letters, 2019, 886, L16. | 8.3 | 2 |
| 149 | Removing Atmospheric Fringes from Zwicky Transient Facility i-band Images using Principal Component Analysis. Publications of the Astronomical Society of the Pacific, 2021, 133, 064503. | 3.1 | 2 |
| 150 | A Flaring AGN in a ULIRG Candidate in Stripe 82. Astrophysical Journal, 2019, 883, 154. | 4.5 | 2 |
| 151 | Characterizing Sparse Asteroid Light Curves with Gaussian Processes. Astronomical Journal, 2022, 163, 29. | 4.7 | 2 |
| 152 | An Optical and Infrared Time-domain Study of the Supergiant Fast X-Ray Transient Candidate IC 10 X-2. Astrophysical Journal, 2018, 856, 38. | 4.5 | 1 |
| 153 | A Search for Extra-tidal RR Lyrae in Globular Clusters NGC 5024 and NGC 5053. Astronomical Journal, 2020, 160, 31. | 4.7 | 1 |
| 154 | Hubble Space Telescope Imaging of Luminous Extragalactic Infrared Transients and Variables from the Spitzer Infrared Intensive Transients Survey*. Astrophysical Journal, 2022, 928, 158. | 4.5 | 1 |
| 155 | Recurring Outbursts of P/2019 LM<sub>4</sub> (Palomar). Research Notes of the AAS, 2020, 4, 76. | 0.7 | 0 |