Iair Arcavi - Selected Publications

Citations: 10,000+
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1. Gal-Yam, A., et al., *Supernova 2007bi as a Pair-Instability Explosion*, 2009, Nature, 462, 624.
2. Perets, H. B., et al., *A Faint Type of Supernova From a White Dwarf With a Helium-Rich Companion*, 2010, Nature, 465, 322.
3. **Arcavi, I.**, et al., *Core-Collapse Supernovae from the Palomar Transient Factory: Indications for a Different Population in Dwarf Galaxies*, 2010, ApJ, 721, 777.
4. Kasliwal, M. M., et al., *Rapidly Decaying Supernova 2010X: A Candidate ".Ia" Explosion*, 2010, ApJL, 723, 98.
5. Ofek, E. O., et al., *Supernova PTF 09uj: A Possible Shock Breakout From a Dense Circumstellar Wind*, 2010, ApJ, 724, 1396.
6. Perets, H. B., Kulkarni, S. R., **Arcavi, I.**, et al., *An Emerging Class of Bright, Fast-Evolving Supernovae With Low Mass Ejecta*, 2011, ApJ, 730, 89.
7. Kasliwal, M. M., Kulkarni, S.R., **Arcavi, I.**, et al., *PTF10fqs: A Luminous Red Nova in the Spiral Galaxy Messier 99*, 2011, ApJ, 730, 134.
8. Quimby R. M., et al., *Hydrogen-Poor Superluminous Stellar Explosions*, 2011, Nature, 474, 487.
9. Gal-Yam et al., Kasliwal, M. M., **Arcavi, I.**, et al., *Real-Time Detection and Rapid Multiwavelength Follow-up Observations of a Highly Subluminous Type II-P Supernova from the Palomar Transient Factory Survey*, 2011, ApJ, 736, 159.
10. Drout, M. R., et al., *The First Uniform and Systematic Study of Type Ibc Supernova Multi-Color Light-Curves*, 2011, ApJ, 741, 97.
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13. Kasliwal, M. M., et al., *Calcium-rich Gap Transients In The Remote Outskirts Of Galaxies*, 2012, ApJ, 755, 161.
14. Ofek E. O., et al., *The Palomar Transient Factory Photometric Calalog 1.0*, 2012, PASP, 124, 854.
15. **Arcavi, I.**, et al., *Caltech Core Collapse Project (CCCP) Observations of Type II Supernovae: Evidence for Three Distinct Photometric Subtypes*, 2012, ApJL, 756, 30.
16. Ofek E. O., et al., *An Outburst From a Massive Star 40 Days Before a Supernova Explosion*, 2013, Nature, 494, 65.
17. **Arcavi, I.**, et al., *Supernova 2003ie Was Likely a Faint Type IIP Event*, 2013, AJ, 145, 99.
18. Cao, Y., Kasliwal, M. M., **Arcavi, I.**, et al., *Discovery, Progenitor & Early Evolution of a Stripped Envelope Supernova iPTF13bvn*, ApJL, 775, 7.

19. Singer, L. P., et al., *Discovery and Redshift of an Optical Afterglow in 71 Square Degrees: iPTF13bxl and GRB 130702A*, ApJL, 776, 34.
20. Gal-Yam, A., **Arcavi I.**, et al., *A Wolf-Rayet-Like Wind Around a Supernova Progenitor Identified Using Flash Spectroscopy*, 2014, Nature, 509, 471.
21. Ofek, E. O., **Arcavi I.**, et al., *Interaction-Powered Supernovae: Rise-Time vs. Peak-Luminosity Correlation and the Shock-Breakout Velocity*, 2014, ApJ, 788, 154.
22. **Arcavi, I.**, et al., *A Continuum of H- to He-Rich Tidal Disruption Candidates With a Preference for E+A Galaxies*, 2014, ApJ, 793, 38.
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24. Valenti, S. et al., *Supernova 2013by: A Type IIL Supernova With a IIP-Like Light Curve Drop*, 2015, MNRAS, 448, 2608.
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26. Singer, L., et al., *The Needle in the 100 deg^2 Haystack: Uncovering Afterglows of Fermi GRBs with the Palomar Transient Factory*, 2015, ApJ, 806, 52.
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29. Khazov, D., et al., *Flash Spectroscopy: Emission Lines From the Ionized Circumstellar Material Around < 10-Day-Old Type II Supernovae*, 2016, ApJ, 818, 3.
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31. Cenko, S. B., et al., *Ultraviolet Spectroscopy of Tidal Disruption Flares I: ASASSN-14li*, 2016, ApJL, 818, 32.
32. **Arcavi, I.**, et al., *Rapidly Rising Transients in the Supernova - Superluminous Supernova Gap*, 2016, ApJ, 819, 35.
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37. **Arcavi, I.**, *Hydrogen-Rich Core Collapse Supernovae*, 2016, invited chapter for the Handbook of Supernovae, Springer. Editors: Athem W. Alsabti and Paul Murdin.
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40. Vreeswijk, P. et al., *On the Early-Time Excess Emission in Hydrogen-Poor Superluminous Supernovae*, 2017, ApJ, 835,58.

41. Yaron, O. et al., *Confined Dense Circumstellar Material Surrounding a Regular Type II Supernova*, 2017, Nature Physics, 13, 510.

42. Hosseinzadeh, G., **Arcavi, I.**, et al. *Type Ibn Supernovae Show Photometric Homogeneity and Evidence for Two Spectral Subclasses*, 2017, ApJ, 836, 158.

43. Tartaglia, L. et al., *The Progenitor and Early Evolution of the Type IIb SN 2016gkg*, 2017, ApJL, 836, 12.

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53. LIGO Scientific Collaboration and Virgo Collaboration et al., *Multi-Messenger Observations of a Binary Neutron Star Merger*, 2017, ApJL, 848, 12.

54. McCully C. et al., *The Rapid Reddening and Featureless Optical Spectra of the optical counterpart of GW170817, AT 2017gfo, During the First Four Days*, 2017, ApJL, 848, 32.

55. **Arcavi, I.** et al., *Optical Followup of Gravitational Wave Events With Las Cumbres Observatory*, 2017, ApJL, 848, 33.

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